

	p_val	avg_logFC	pct.1	pct.2	p_val_adj	cluster	gene
MALAT1	4.38E-68	0.964054	0.963	0.996	6.54E-64	Undiff-G	MALAT1
SEC61G	1.46E-62	1.571338	0.941	0.797	2.19E-58	Undiff-G	SEC61G
CHI3L1	5.47E-62	1.86183	0.89	0.52	8.17E-58	Undiff-G	CHI3L1
MT2A	8.38E-62	1.579659	0.934	0.782	1.25E-57	Undiff-G	MT2A
FTL	9.75E-62	1.145351	0.956	0.994	1.46E-57	Undiff-G	FTL
TMSB4X	1.78E-61	1.046026	0.971	0.997	2.66E-57	Undiff-G	TMSB4X
ACTB	4.78E-60	1.035659	0.971	0.993	7.15E-56	Undiff-G	ACTB
GAPDH	1.42E-55	1.198554	0.934	0.985	2.12E-51	Undiff-G	GAPDH
CLU	2.22E-53	1.412215	0.904	0.781	3.32E-49	Undiff-G	CLU
B2M	8.66E-49	1.002675	0.919	0.971	1.29E-44	Undiff-G	B2M
TMSB10	2.53E-46	1.140405	0.897	0.966	3.77E-42	Undiff-G	TMSB10
CCNI	2.10E-44	-1.61265	0.022	0.714	3.14E-40	Undiff-G	CCNI
ITM2B	2.72E-44	-1.07166	0.074	0.808	4.06E-40	Undiff-G	ITM2B
YBX1	2.34E-42	-1.11148	0.066	0.771	3.49E-38	Undiff-G	YBX1
EEF1A1	5.67E-42	1.134212	0.868	0.825	8.47E-38	Undiff-G	EEF1A1
MT1X	3.25E-41	1.79932	0.794	0.575	4.86E-37	Undiff-G	MT1X
RAC1	5.41E-41	-1.05258	0.059	0.751	8.09E-37	Undiff-G	RAC1
RTN4	3.60E-40	-1.41526	0.044	0.708	5.38E-36	Undiff-G	RTN4
C19orf43	6.83E-40	-1.34805	0.029	0.68	1.02E-35	Undiff-G	C19orf43
CLTA	3.33E-39	-1.49863	0	0.635	4.98E-35	Undiff-G	CLTA
HMGNI	4.42E-37	-1.18581	0.037	0.672	6.61E-33	Undiff-G	HMGNI
PFN1	7.47E-37	-0.71159	0.118	0.817	1.12E-32	Undiff-G	PFN1
HNRNPAO	7.56E-36	-1.2231	0.029	0.649	1.13E-31	Undiff-G	HNRNPAO
U2AF1	8.25E-36	-1.30541	0.022	0.638	1.23E-31	Undiff-G	U2AF1
JUNB	2.95E-35	-1.03809	0.074	0.731	4.41E-31	Undiff-G	JUNB
BTG1	5.30E-35	-1.14297	0.066	0.696	7.93E-31	Undiff-G	BTG1
SNX3	1.36E-34	-0.63161	0.074	0.724	2.03E-30	Undiff-G	SNX3
MTDH	4.51E-34	-1.29312	0.022	0.617	6.74E-30	Undiff-G	MTDH
JTB	7.73E-34	-1.272	0.022	0.616	1.15E-29	Undiff-G	JTB
SLPI	1.59E-33	1.891948	0.463	0.146	2.38E-29	Undiff-G	SLPI
YWHAQ	1.62E-33	-0.83352	0.044	0.651	2.42E-29	Undiff-G	YWHAQ
COX5A	2.04E-33	-1.18729	0.022	0.605	3.05E-29	Undiff-G	COX5A
ACTG1	3.18E-33	0.985502	0.846	0.95	4.75E-29	Undiff-G	ACTG1
MZT2B	3.98E-33	-1.30089	0.015	0.6	5.94E-29	Undiff-G	MZT2B
ATP5D	4.00E-33	-1.26139	0.029	0.621	5.97E-29	Undiff-G	ATP5D
YWHAB	4.21E-33	-0.71795	0.081	0.71	6.29E-29	Undiff-G	YWHAB
CHI3L2	6.18E-33	1.894952	0.5	0.177	9.23E-29	Undiff-G	CHI3L2
NDFIP1	2.48E-32	-1.18967	0.029	0.608	3.70E-28	Undiff-G	NDFIP1
ATP6VOB	3.10E-32	-0.40856	0.132	0.806	4.63E-28	Undiff-G	ATP6VOB
GLTSCR2	5.89E-32	-1.33797	0.007	0.57	8.80E-28	Undiff-G	GLTSCR2
EIF3F	6.36E-32	-0.89849	0.029	0.612	9.50E-28	Undiff-G	EIF3F
MARCKS	9.46E-32	-1.39723	0.037	0.604	1.41E-27	Undiff-G	MARCKS
HN1	1.00E-31	-0.65701	0.066	0.682	1.50E-27	Undiff-G	HN1
IER2	1.44E-31	-1.23506	0.037	0.622	2.16E-27	Undiff-G	IER2
UBE2D2	1.65E-31	-0.89032	0.022	0.595	2.46E-27	Undiff-G	UBE2D2
APOE	3.06E-31	-0.94488	0.088	0.693	4.57E-27	Undiff-G	APOE
SERP1	3.55E-31	-1.20539	0.037	0.61	5.30E-27	Undiff-G	SERP1
NDUFA3	7.45E-31	-0.68208	0.066	0.655	1.11E-26	Undiff-G	NDUFA3
LGALS3	1.04E-30	1.739438	0.699	0.478	1.56E-26	Undiff-G	LGALS3
MAP1LC3B	1.18E-30	-1.0051	0.015	0.572	1.77E-26	Undiff-G	MAP1LC3B

C1QBP	1.79E-30	-1.20821	0.015	0.561	2.68E-26	Undiff-G	C1QBP
ASAH1	2.16E-30	-0.61971	0.066	0.658	3.23E-26	Undiff-G	ASAH1
H2AFY	3.66E-30	-0.8835	0.044	0.614	5.47E-26	Undiff-G	H2AFY
FIS1	7.00E-30	-0.59951	0.059	0.645	1.05E-25	Undiff-G	FIS1
MIF	9.39E-30	-0.80724	0.081	0.677	1.40E-25	Undiff-G	MIF
UQCR11	9.69E-30	1.61225	0.39	0.112	1.45E-25	Undiff-G	UQCR11
YWHAH	1.16E-29	-1.22609	0.022	0.571	1.73E-25	Undiff-G	YWHAH
ARL6IP4	1.41E-29	-0.97335	0.059	0.631	2.10E-25	Undiff-G	ARL6IP4
PABPC1	6.20E-29	-0.39326	0.125	0.752	9.26E-25	Undiff-G	PABPC1
SCAND1	6.48E-29	-1.1351	0.037	0.577	9.68E-25	Undiff-G	SCAND1
UQCRFS1	7.27E-29	-0.90412	0.015	0.551	1.09E-24	Undiff-G	UQCRFS1
KDELR2	1.07E-28	-0.88235	0.029	0.575	1.60E-24	Undiff-G	KDELR2
CYC1	1.17E-28	-1.0107	0.015	0.546	1.75E-24	Undiff-G	CYC1
C4orf48	1.41E-28	-1.32118	0.007	0.532	2.11E-24	Undiff-G	C4orf48
SEPW1	2.18E-28	-0.58992	0.096	0.679	3.26E-24	Undiff-G	SEPW1
SRSF2	2.80E-28	-0.90552	0.051	0.612	4.19E-24	Undiff-G	SRSF2
VAPA	4.02E-28	-0.64291	0.074	0.64	6.01E-24	Undiff-G	VAPA
SRSF9	4.31E-28	-0.94002	0.029	0.568	6.44E-24	Undiff-G	SRSF9
RANBP1	4.35E-28	-0.92159	0.044	0.584	6.49E-24	Undiff-G	RANBP1
ATP1B3	4.72E-28	-1.07282	0.022	0.551	7.05E-24	Undiff-G	ATP1B3
CST3	5.30E-28	-0.50083	0.154	0.794	7.92E-24	Undiff-G	CST3
ZNF428	5.81E-28	-1.23888	0.022	0.551	8.68E-24	Undiff-G	ZNF428
AP2S1	6.43E-28	-0.44398	0.088	0.667	9.61E-24	Undiff-G	AP2S1
STMN1	9.00E-28	-0.81352	0.074	0.637	1.34E-23	Undiff-G	STMN1
PRELID1	1.88E-27	-1.07763	0.037	0.566	2.81E-23	Undiff-G	PRELID1
UQCRB	2.38E-27	-0.37434	0.096	0.685	3.56E-23	Undiff-G	UQCRB
KIF5B	7.74E-27	-1.15248	0.015	0.517	1.16E-22	Undiff-G	KIF5B
HNRNPM	8.34E-27	-0.98411	0.029	0.549	1.25E-22	Undiff-G	HNRNPM
EIF4G2	1.04E-26	-0.35335	0.088	0.666	1.56E-22	Undiff-G	EIF4G2
RHOB	1.13E-26	-0.76651	0.066	0.615	1.69E-22	Undiff-G	RHOB
LAMP1	1.31E-26	-1.18827	0.022	0.527	1.96E-22	Undiff-G	LAMP1
ARF5	1.50E-26	-0.92397	0.022	0.535	2.24E-22	Undiff-G	ARF5
LTF	1.99E-26	1.794555	0.426	0.148	2.97E-22	Undiff-G	LTF
DUSP1	2.67E-26	-1.03827	0.051	0.581	3.99E-22	Undiff-G	DUSP1
PCBP2	3.45E-26	-0.45538	0.096	0.669	5.16E-22	Undiff-G	PCBP2
GNB2	3.67E-26	-0.79922	0.051	0.575	5.49E-22	Undiff-G	GNB2
AKR1B1	7.37E-26	-0.36768	0.081	0.631	1.10E-21	Undiff-G	AKR1B1
CAPZA2	8.16E-26	-0.29829	0.096	0.661	1.22E-21	Undiff-G	CAPZA2
ARL5A	8.59E-26	-1.08686	0.022	0.523	1.28E-21	Undiff-G	ARL5A
FSCN1	9.90E-26	-0.99281	0.015	0.51	1.48E-21	Undiff-G	FSCN1
GTF3A	1.29E-25	-0.98054	0.015	0.51	1.92E-21	Undiff-G	GTF3A
RNASSET2	1.94E-25	-1.45935	0.007	0.488	2.90E-21	Undiff-G	RNASSET2
MATR3	1.96E-25	-1.13142	0.007	0.492	2.92E-21	Undiff-G	MATR3
PDIA3	1.97E-25	-0.57373	0.059	0.589	2.94E-21	Undiff-G	PDIA3
PYURF	2.26E-25	-0.82294	0.037	0.547	3.37E-21	Undiff-G	PYURF
CALM1	3.11E-25	-0.42898	0.162	0.779	4.64E-21	Undiff-G	CALM1
COTL1	3.30E-25	-0.98412	0.022	0.515	4.93E-21	Undiff-G	COTL1
ISCU	3.34E-25	-0.62877	0.051	0.572	5.00E-21	Undiff-G	ISCU
RHEB	4.84E-25	-0.32222	0.088	0.644	7.23E-21	Undiff-G	RHEB
EIF1	5.47E-25	1.009729	0.794	0.976	8.18E-21	Undiff-G	EIF1
MARCKSL1	7.06E-25	-1.23708	0.051	0.55	1.05E-20	Undiff-G	MARCKSL1

CALM3	7.43E-25	-0.60858	0.074	0.599	1.11E-20	Undiff-G	CALM3
UBXN1	7.87E-25	-0.40843	0.088	0.627	1.18E-20	Undiff-G	UBXN1
PCBP1	8.59E-25	-0.46815	0.066	0.594	1.28E-20	Undiff-G	PCBP1
AURKAIP1	9.95E-25	-0.51949	0.081	0.612	1.49E-20	Undiff-G	AURKAIP1
GADD45GIP1	1.22E-24	-0.71476	0.059	0.569	1.82E-20	Undiff-G	GADD45GIP1
ARPC4	2.51E-24	-0.72092	0.029	0.519	3.75E-20	Undiff-G	ARPC4
PNRC1	2.63E-24	-0.75231	0.044	0.546	3.93E-20	Undiff-G	PNRC1
UBE2N	2.71E-24	-0.68294	0.037	0.527	4.05E-20	Undiff-G	UBE2N
PGLS	2.77E-24	-0.91938	0.029	0.516	4.14E-20	Undiff-G	PGLS
BLOC1S1	3.31E-24	-0.18881	0.103	0.654	4.95E-20	Undiff-G	BLOC1S1
ARPC5	4.42E-24	-0.21949	0.118	0.679	6.60E-20	Undiff-G	ARPC5
MTCH1	4.65E-24	-0.70713	0.044	0.54	6.96E-20	Undiff-G	MTCH1
RALY	4.82E-24	-1.13799	0	0.461	7.20E-20	Undiff-G	RALY
AP1S2	5.18E-24	-1.10314	0.029	0.506	7.74E-20	Undiff-G	AP1S2
RTFDC1	5.57E-24	-0.50239	0.044	0.544	8.33E-20	Undiff-G	RTFDC1
RAB31	7.76E-24	-1.17132	0.007	0.465	1.16E-19	Undiff-G	RAB31
FAM49B	1.07E-23	-1.00356	0.029	0.512	1.60E-19	Undiff-G	FAM49B
C7orf50	1.09E-23	-0.59912	0.029	0.513	1.62E-19	Undiff-G	C7orf50
P4HB	1.24E-23	-0.54834	0.066	0.578	1.85E-19	Undiff-G	P4HB
TPM3	1.40E-23	-0.54612	0.059	0.564	2.09E-19	Undiff-G	TPM3
SUB1	2.14E-23	-0.20952	0.169	0.763	3.19E-19	Undiff-G	SUB1
HNRNPU	2.23E-23	-0.69382	0.044	0.536	3.33E-19	Undiff-G	HNRNPU
USMG5	2.27E-23	-0.23591	0.096	0.626	3.39E-19	Undiff-G	USMG5
KRT10	2.29E-23	-0.78472	0.066	0.564	3.42E-19	Undiff-G	KRT10
COX16	2.61E-23	-0.92214	0.029	0.506	3.90E-19	Undiff-G	COX16
SNF8	2.94E-23	-0.86159	0.007	0.465	4.40E-19	Undiff-G	SNF8
PPP4C	3.04E-23	-0.57071	0.051	0.549	4.55E-19	Undiff-G	PPP4C
HMGN3	3.36E-23	-0.41057	0.088	0.615	5.02E-19	Undiff-G	HMGN3
NDUFB10	3.41E-23	-0.43101	0.11	0.646	5.10E-19	Undiff-G	NDUFB10
PARP1	3.63E-23	-0.95312	0.015	0.477	5.42E-19	Undiff-G	PARP1
PPP1R15A	4.00E-23	-1.18967	0.015	0.472	5.98E-19	Undiff-G	PPP1R15A
CTSD	4.09E-23	-0.34779	0.103	0.645	6.11E-19	Undiff-G	CTSD
TMEM160	5.63E-23	-1.01016	0.015	0.471	8.42E-19	Undiff-G	TMEM160
TIMM13	5.66E-23	-0.35364	0.081	0.597	8.45E-19	Undiff-G	TIMM13
H2AFV	5.87E-23	-0.51311	0.044	0.528	8.77E-19	Undiff-G	H2AFV
BRI3	6.59E-23	-0.99465	0.015	0.473	9.85E-19	Undiff-G	BRI3
NME1	6.87E-23	-0.36565	0.066	0.574	1.03E-18	Undiff-G	NME1
METTL9	6.98E-23	-0.80173	0.015	0.474	1.04E-18	Undiff-G	METTL9
DEK	7.89E-23	-1.06733	0.015	0.469	1.18E-18	Undiff-G	DEK
GNAS	8.08E-23	-0.43196	0.118	0.653	1.21E-18	Undiff-G	GNAS
TTC3	8.15E-23	-1.00972	0.044	0.522	1.22E-18	Undiff-G	TTC3
CSNK1A1	8.43E-23	-0.57698	0.066	0.564	1.26E-18	Undiff-G	CSNK1A1
GRB2	1.02E-22	-0.67399	0.022	0.486	1.53E-18	Undiff-G	GRB2
ZFP36L2	1.07E-22	-0.77031	0.044	0.521	1.59E-18	Undiff-G	ZFP36L2
GUK1	1.09E-22	-0.17214	0.14	0.71	1.63E-18	Undiff-G	GUK1
NDUFA11	1.34E-22	-0.20448	0.162	0.748	2.00E-18	Undiff-G	NDUFA11
PTMS	1.42E-22	-0.90506	0.074	0.559	2.12E-18	Undiff-G	PTMS
APLP2	1.46E-22	-0.47205	0.088	0.599	2.18E-18	Undiff-G	APLP2
TIMP1	1.46E-22	1.467713	0.699	0.62	2.19E-18	Undiff-G	TIMP1
NOP10	1.50E-22	-0.33571	0.088	0.612	2.24E-18	Undiff-G	NOP10
KHDRBS1	1.55E-22	-0.98834	0.029	0.491	2.31E-18	Undiff-G	KHDRBS1

FUS	1.68E-22	-0.22804	0.11	0.649	2.51E-18	Undiff-G	FUS
NFKBIA	1.74E-22	-0.75591	0.037	0.505	2.60E-18	Undiff-G	NFKBIA
C9orf16	1.78E-22	-0.27404	0.081	0.588	2.66E-18	Undiff-G	C9orf16
CKB	1.89E-22	-0.8866	0.088	0.588	2.83E-18	Undiff-G	CKB
KTN1	1.90E-22	-0.81555	0.051	0.533	2.84E-18	Undiff-G	KTN1
DYNC1I2	2.01E-22	-0.902	0.022	0.474	3.01E-18	Undiff-G	DYNC1I2
RBPJ	2.21E-22	-0.8189	0.022	0.474	3.30E-18	Undiff-G	RBPJ
SET	2.21E-22	-0.5842	0.074	0.566	3.31E-18	Undiff-G	SET
LAMTOR2	2.39E-22	-0.42152	0.088	0.593	3.58E-18	Undiff-G	LAMTOR2
AUP1	2.46E-22	-0.4517	0.051	0.528	3.68E-18	Undiff-G	AUP1
RTN3	2.75E-22	-0.16032	0.118	0.661	4.11E-18	Undiff-G	RTN3
NENF	2.83E-22	-0.79239	0.037	0.499	4.23E-18	Undiff-G	NENF
PUF60	3.44E-22	-0.43335	0.059	0.547	5.15E-18	Undiff-G	PUF60
C20orf24	3.77E-22	-0.81109	0.022	0.472	5.63E-18	Undiff-G	C20orf24
RWDD1	3.87E-22	-0.41128	0.051	0.533	5.78E-18	Undiff-G	RWDD1
UFC1	4.48E-22	-0.33947	0.074	0.567	6.69E-18	Undiff-G	UFC1
TERF2IP	4.75E-22	-0.78439	0.051	0.523	7.10E-18	Undiff-G	TERF2IP
RBX1	5.60E-22	-0.11953	0.125	0.672	8.38E-18	Undiff-G	RBX1
ANP32B	6.79E-22	-1.04197	0.015	0.455	1.01E-17	Undiff-G	ANP32B
TALDO1	6.84E-22	-0.17593	0.096	0.603	1.02E-17	Undiff-G	TALDO1
ACTR2	7.07E-22	-1.03844	0.022	0.464	1.06E-17	Undiff-G	ACTR2
STUB1	7.33E-22	-0.89521	0.022	0.466	1.09E-17	Undiff-G	STUB1
STRAP	8.29E-22	-0.1935	0.066	0.559	1.24E-17	Undiff-G	STRAP
POLR2E	9.10E-22	-0.44896	0.059	0.541	1.36E-17	Undiff-G	POLR2E
SQSTM1	9.38E-22	-0.69316	0.059	0.529	1.40E-17	Undiff-G	SQSTM1
LAPTM5	1.08E-21	-1.558	0.007	0.441	1.61E-17	Undiff-G	LAPTM5
DUT	1.17E-21	-1.03579	0.022	0.46	1.75E-17	Undiff-G	DUT
EIF3D	1.19E-21	-0.83499	0.029	0.482	1.77E-17	Undiff-G	EIF3D
FEZ2	1.33E-21	-0.93186	0.015	0.454	1.98E-17	Undiff-G	FEZ2
BCAP31	1.59E-21	-0.19915	0.103	0.624	2.37E-17	Undiff-G	BCAP31
NUTF2	1.59E-21	-0.65181	0.015	0.454	2.37E-17	Undiff-G	NUTF2
NUCKS1	1.75E-21	-0.34338	0.118	0.642	2.62E-17	Undiff-G	NUCKS1
SFPQ	1.78E-21	-0.61605	0.066	0.548	2.67E-17	Undiff-G	SFPQ
BAX	1.81E-21	-0.3102	0.081	0.571	2.71E-17	Undiff-G	BAX
ATP6VOD1	2.46E-21	-0.30258	0.051	0.516	3.68E-17	Undiff-G	ATP6VOD1
HSPA1A	2.46E-21	-1.05774	0.044	0.497	3.68E-17	Undiff-G	HSPA1A
PSMA2	2.57E-21	1.590678	0.243	0.059	3.84E-17	Undiff-G	PSMA2
CD63	2.76E-21	1.037496	0.757	0.926	4.12E-17	Undiff-G	CD63
C6orf62	2.88E-21	-0.7813	0.022	0.457	4.30E-17	Undiff-G	C6orf62
OAZ2	3.10E-21	-0.57258	0.051	0.511	4.64E-17	Undiff-G	OAZ2
ZFAND5	3.27E-21	-0.94339	0.029	0.468	4.89E-17	Undiff-G	ZFAND5
PDAP1	3.53E-21	-0.23266	0.066	0.541	5.28E-17	Undiff-G	PDAP1
ALKBH7	3.62E-21	-0.57697	0.029	0.477	5.41E-17	Undiff-G	ALKBH7
ZNF706	3.74E-21	-0.2226	0.088	0.58	5.59E-17	Undiff-G	ZNF706
UBE2L3	3.90E-21	-0.24619	0.066	0.541	5.82E-17	Undiff-G	UBE2L3
KDELR1	3.91E-21	-0.50384	0.044	0.498	5.85E-17	Undiff-G	KDELR1
PSMA5	4.76E-21	-0.71375	0.015	0.448	7.12E-17	Undiff-G	PSMA5
NDUFB6	4.79E-21	-0.51605	0.044	0.502	7.16E-17	Undiff-G	NDUFB6
RAB2A	5.06E-21	-0.19579	0.096	0.597	7.56E-17	Undiff-G	RAB2A
GNAI2	5.48E-21	-0.52056	0.037	0.488	8.19E-17	Undiff-G	GNAI2
UBXN4	5.61E-21	-0.20881	0.074	0.55	8.39E-17	Undiff-G	UBXN4

NCL	6.50E-21	-0.15449	0.074	0.56	9.71E-17	Undiff-G	NCL
OCIAD1	6.56E-21	-0.18256	0.118	0.642	9.80E-17	Undiff-G	OCIAD1
SRRM2	6.98E-21	-0.61561	0.066	0.538	1.04E-16	Undiff-G	SRRM2
HNRNPF	7.25E-21	-0.38061	0.051	0.514	1.08E-16	Undiff-G	HNRNPF
EI24	7.53E-21	-0.79472	0.015	0.438	1.13E-16	Undiff-G	EI24
CSDE1	7.98E-21	-0.11268	0.103	0.607	1.19E-16	Undiff-G	CSDE1
CXCL16	8.04E-21	-0.76343	0.022	0.458	1.20E-16	Undiff-G	CXCL16
GRN	8.15E-21	-0.43663	0.088	0.576	1.22E-16	Undiff-G	GRN
NUDC	9.40E-21	-0.19521	0.088	0.585	1.40E-16	Undiff-G	NUDC
OS9	9.87E-21	-0.34627	0.066	0.541	1.47E-16	Undiff-G	OS9
IFNGR1	1.02E-20	-0.98606	0.015	0.442	1.53E-16	Undiff-G	IFNGR1
NINJ1	1.03E-20	-0.7428	0.022	0.457	1.54E-16	Undiff-G	NINJ1
CCT6A	1.07E-20	-0.22576	0.088	0.58	1.59E-16	Undiff-G	CCT6A
ZC3H15	1.17E-20	-0.20533	0.051	0.509	1.75E-16	Undiff-G	ZC3H15
FTH1	1.21E-20	-0.36292	0.279	0.94	1.81E-16	Undiff-G	FTH1
CHMP4B	1.27E-20	-0.96156	0.029	0.459	1.89E-16	Undiff-G	CHMP4B
TCF25	1.27E-20	-0.68255	0.081	0.557	1.90E-16	Undiff-G	TCF25
EMC10	1.35E-20	-0.75414	0.022	0.455	2.02E-16	Undiff-G	EMC10
ENY2	1.40E-20	-0.15606	0.103	0.61	2.09E-16	Undiff-G	ENY2
ATP5C1	1.48E-20	-0.21793	0.096	0.592	2.22E-16	Undiff-G	ATP5C1
PTP4A1	1.50E-20	-0.99473	0	0.412	2.25E-16	Undiff-G	PTP4A1
TMEM219	1.53E-20	-0.11535	0.081	0.566	2.28E-16	Undiff-G	TMEM219
SF3B2	1.58E-20	-0.39916	0.066	0.53	2.37E-16	Undiff-G	SF3B2
PDCD6	1.63E-20	-0.28066	0.066	0.54	2.44E-16	Undiff-G	PDCD6
TMEM165	1.74E-20	-0.91398	0.029	0.461	2.60E-16	Undiff-G	TMEM165
HEXB	1.91E-20	-1.06785	0	0.41	2.86E-16	Undiff-G	HEXB
VCP	2.17E-20	-0.92277	0.015	0.437	3.24E-16	Undiff-G	VCP
TCF4	2.25E-20	-0.7341	0.066	0.528	3.36E-16	Undiff-G	TCF4
UBE2E3	2.49E-20	-0.63475	0.029	0.465	3.72E-16	Undiff-G	UBE2E3
ETFB	2.66E-20	-0.46181	0.051	0.505	3.97E-16	Undiff-G	ETFB
SSNA1	2.66E-20	-0.61499	0.022	0.451	3.98E-16	Undiff-G	SSNA1
PPP2R1A	2.87E-20	-0.26143	0.059	0.52	4.28E-16	Undiff-G	PPP2R1A
EIF3G	3.22E-20	-0.10855	0.118	0.626	4.81E-16	Undiff-G	EIF3G
EIF5	3.50E-20	-0.11104	0.132	0.656	5.23E-16	Undiff-G	EIF5
NCOR1	3.61E-20	-0.62746	0.037	0.469	5.39E-16	Undiff-G	NCOR1
PRPF40A	3.97E-20	-0.77722	0.029	0.455	5.93E-16	Undiff-G	PRPF40A
APH1A	4.03E-20	-0.47143	0.044	0.49	6.02E-16	Undiff-G	APH1A
NONO	4.05E-20	-0.71073	0.029	0.46	6.05E-16	Undiff-G	NONO
TRA2B	4.18E-20	-0.22426	0.074	0.545	6.25E-16	Undiff-G	TRA2B
HLA-E	4.79E-20	-0.3527	0.11	0.602	7.15E-16	Undiff-G	HLA-E
PPP2CA	4.93E-20	-0.65039	0.044	0.485	7.37E-16	Undiff-G	PPP2CA
PGRMC1	5.02E-20	-0.85609	0.029	0.452	7.51E-16	Undiff-G	PGRMC1
ATP6AP1	5.18E-20	-0.51954	0.051	0.498	7.74E-16	Undiff-G	ATP6AP1
RAB10	5.50E-20	-0.28175	0.051	0.501	8.21E-16	Undiff-G	RAB10
C19orf60	5.52E-20	-0.63294	0.059	0.507	8.24E-16	Undiff-G	C19orf60
NFE2L2	5.57E-20	-0.5569	0.037	0.473	8.33E-16	Undiff-G	NFE2L2
FEZ1	6.46E-20	-0.94109	0.022	0.434	9.65E-16	Undiff-G	FEZ1
PTOV1	6.49E-20	-0.92365	0.022	0.443	9.70E-16	Undiff-G	PTOV1
PPM1G	7.25E-20	-0.92884	0.015	0.423	1.08E-15	Undiff-G	PPM1G
DPY30	7.46E-20	-0.42543	0.051	0.501	1.12E-15	Undiff-G	DPY30
DCXR	8.10E-20	-0.57826	0.029	0.458	1.21E-15	Undiff-G	DCXR

LDHA	8.30E-20	1.238561	0.706	0.767	1.24E-15	Undiff-G	LDHA
PPP1CC	8.45E-20	-0.79599	0.029	0.45	1.26E-15	Undiff-G	PPP1CC
ILF2	9.46E-20	-0.26528	0.096	0.58	1.41E-15	Undiff-G	ILF2
ENSA	9.69E-20	-0.33223	0.059	0.506	1.45E-15	Undiff-G	ENSA
PTMA	9.89E-20	0.874744	0.772	0.969	1.48E-15	Undiff-G	PTMA
PNISR	1.06E-19	-0.27976	0.118	0.617	1.58E-15	Undiff-G	PNISR
PSMD2	1.08E-19	-0.45766	0.037	0.466	1.62E-15	Undiff-G	PSMD2
CLK1	1.09E-19	-0.60447	0.015	0.427	1.63E-15	Undiff-G	CLK1
DHRS7	1.17E-19	-0.2407	0.088	0.562	1.76E-15	Undiff-G	DHRS7
RAB11B	1.19E-19	-0.47179	0.059	0.509	1.78E-15	Undiff-G	RAB11B
BEX4	1.31E-19	-0.52078	0.044	0.482	1.96E-15	Undiff-G	BEX4
ASNA1	1.32E-19	-0.31673	0.066	0.525	1.97E-15	Undiff-G	ASNA1
CBX3	1.37E-19	-0.34676	0.088	0.559	2.05E-15	Undiff-G	CBX3
RNF130	1.43E-19	-0.59799	0.037	0.468	2.14E-15	Undiff-G	RNF130
CAV1	1.47E-19	1.872622	0.346	0.124	2.20E-15	Undiff-G	CAV1
DNAJB11	1.49E-19	-0.68826	0.022	0.438	2.22E-15	Undiff-G	DNAJB11
CYBA	1.59E-19	-1.39133	0.007	0.409	2.37E-15	Undiff-G	CYBA
STAT3	1.64E-19	-0.58886	0.037	0.463	2.45E-15	Undiff-G	STAT3
NDUFS2	1.66E-19	-0.20964	0.088	0.556	2.49E-15	Undiff-G	NDUFS2
PSMC3	1.88E-19	-0.25836	0.074	0.536	2.81E-15	Undiff-G	PSMC3
RAP1A	1.89E-19	-0.17166	0.066	0.521	2.82E-15	Undiff-G	RAP1A
APMAP	2.10E-19	-0.17529	0.066	0.523	3.14E-15	Undiff-G	APMAP
HP1BP3	2.13E-19	-0.81846	0.029	0.447	3.18E-15	Undiff-G	HP1BP3
OLA1	2.15E-19	-0.24192	0.051	0.493	3.22E-15	Undiff-G	OLA1
COMT	2.19E-19	-0.24431	0.088	0.553	3.27E-15	Undiff-G	COMT
SRGN	2.21E-19	-0.69385	0.059	0.504	3.30E-15	Undiff-G	SRGN
CCDC88A	2.29E-19	-0.91319	0.015	0.421	3.43E-15	Undiff-G	CCDC88A
UXT	2.39E-19	-0.12115	0.081	0.543	3.57E-15	Undiff-G	UXT
GTF3C6	2.45E-19	-0.28636	0.066	0.519	3.66E-15	Undiff-G	GTF3C6
DPYSL2	2.59E-19	-0.8752	0.022	0.428	3.87E-15	Undiff-G	DPYSL2
HLA-A	2.59E-19	1.002054	0.743	0.898	3.88E-15	Undiff-G	HLA-A
HNRNPD	2.60E-19	-0.92575	0.015	0.419	3.88E-15	Undiff-G	HNRNPD
PAIP2	2.81E-19	0.124316	0.132	0.636	4.20E-15	Undiff-G	PAIP2
AIF1	2.97E-19	-1.35672	0.015	0.415	4.43E-15	Undiff-G	AIF1
RCN2	3.34E-19	-0.6944	0.044	0.472	4.99E-15	Undiff-G	RCN2
LMO4	3.55E-19	-0.37249	0.051	0.483	5.30E-15	Undiff-G	LMO4
ARRB2	3.78E-19	-0.90934	0.007	0.405	5.65E-15	Undiff-G	ARRB2
ARPP19	3.95E-19	-0.85547	0.022	0.43	5.90E-15	Undiff-G	ARPP19
HTRA1	3.99E-19	-0.68209	0.044	0.465	5.96E-15	Undiff-G	HTRA1
PRPF38B	4.00E-19	-0.93041	0.029	0.44	5.97E-15	Undiff-G	PRPF38B
CLTB	4.23E-19	-0.66829	0.029	0.446	6.32E-15	Undiff-G	CLTB
RBMX	4.33E-19	-0.30575	0.103	0.572	6.47E-15	Undiff-G	RBMX
EMC6	5.00E-19	-0.61395	0.029	0.438	7.47E-15	Undiff-G	EMC6
CD81	5.09E-19	-0.86774	0.029	0.443	7.61E-15	Undiff-G	CD81
RER1	5.14E-19	-0.27356	0.059	0.502	7.68E-15	Undiff-G	RER1
GRINA	5.16E-19	-0.6213	0.029	0.441	7.71E-15	Undiff-G	GRINA
CKLF	5.40E-19	-0.19602	0.074	0.525	8.08E-15	Undiff-G	CKLF
SNRNP70	5.76E-19	-0.6159	0.051	0.48	8.60E-15	Undiff-G	SNRNP70
NDUFV1	5.87E-19	-0.55326	0.051	0.484	8.78E-15	Undiff-G	NDUFV1
TSPAN3	6.51E-19	-0.59756	0.044	0.464	9.72E-15	Undiff-G	TSPAN3
TMEM123	6.55E-19	-0.71623	0.007	0.401	9.79E-15	Undiff-G	TMEM123

LSM7	6.67E-19	-0.10798	0.132	0.636	9.97E-15	Undiff-G	LSM7
CD14	6.70E-19	-1.37115	0.015	0.413	1.00E-14	Undiff-G	CD14
SNX2	6.95E-19	-0.7313	0.015	0.415	1.04E-14	Undiff-G	SNX2
TUBB2A	7.13E-19	-0.54981	0.051	0.483	1.07E-14	Undiff-G	TUBB2A
CHMP1B	7.59E-19	-0.57972	0.029	0.443	1.13E-14	Undiff-G	CHMP1B
XRCC5	7.85E-19	-0.2281	0.096	0.566	1.17E-14	Undiff-G	XRCC5
HNRNP3	8.35E-19	-0.38965	0.037	0.45	1.25E-14	Undiff-G	HNRNP3
APP	8.54E-19	-0.57884	0.081	0.53	1.28E-14	Undiff-G	APP
RDX	9.00E-19	-0.53598	0.059	0.495	1.34E-14	Undiff-G	RDX
DDAH2	9.42E-19	-0.40916	0.059	0.494	1.41E-14	Undiff-G	DDAH2
BRD2	9.97E-19	-0.58087	0.044	0.458	1.49E-14	Undiff-G	BRD2
EIF4A3	1.02E-18	-0.50482	0.037	0.455	1.52E-14	Undiff-G	EIF4A3
CCT3	1.03E-18	-0.1108	0.103	0.583	1.55E-14	Undiff-G	CCT3
RGS1	1.09E-18	-0.91529	0.037	0.452	1.63E-14	Undiff-G	RGS1
DPP7	1.12E-18	-0.6717	0.051	0.472	1.67E-14	Undiff-G	DPP7
CREM	1.15E-18	-0.92707	0.015	0.411	1.72E-14	Undiff-G	CREM
QKI	1.18E-18	-0.5302	0.051	0.476	1.76E-14	Undiff-G	QKI
SELK	1.19E-18	0.186636	0.162	0.707	1.77E-14	Undiff-G	SELK
H3F3B	1.29E-18	0.822538	0.75	0.973	1.93E-14	Undiff-G	H3F3B
CCDC85B	1.31E-18	-0.80238	0.022	0.418	1.96E-14	Undiff-G	CCDC85B
TIMM8B	1.38E-18	-0.18319	0.088	0.549	2.06E-14	Undiff-G	TIMM8B
ATG3	1.43E-18	-0.96405	0	0.381	2.14E-14	Undiff-G	ATG3
CMPK1	1.53E-18	-0.71907	0.022	0.421	2.28E-14	Undiff-G	CMPK1
VPS29	1.53E-18	-0.11795	0.096	0.559	2.29E-14	Undiff-G	VPS29
NUCB1	1.59E-18	-0.49732	0.037	0.45	2.38E-14	Undiff-G	NUCB1
PRRC2C	1.67E-18	-0.54616	0.059	0.487	2.50E-14	Undiff-G	PRRC2C
C9orf142	1.69E-18	-0.93002	0	0.38	2.52E-14	Undiff-G	C9orf142
MTPN	1.70E-18	-0.53059	0.029	0.437	2.54E-14	Undiff-G	MTPN
PPA1	1.81E-18	-0.12758	0.081	0.534	2.70E-14	Undiff-G	PPA1
CEBPD	1.83E-18	-0.81247	0.044	0.464	2.74E-14	Undiff-G	CEBPD
XRN2	1.95E-18	-0.46305	0.044	0.462	2.92E-14	Undiff-G	XRN2
POLR2F	1.98E-18	-0.25451	0.088	0.547	2.95E-14	Undiff-G	POLR2F
NDUFB11	1.98E-18	0.104083	0.184	0.741	2.96E-14	Undiff-G	NDUFB11
TOP1	1.99E-18	-0.63698	0.007	0.393	2.98E-14	Undiff-G	TOP1
TKT	2.17E-18	-0.11257	0.074	0.514	3.24E-14	Undiff-G	TKT
VAMP2	2.27E-18	-0.13046	0.132	0.628	3.39E-14	Undiff-G	VAMP2
DDX5	2.29E-18	-0.12037	0.221	0.824	3.42E-14	Undiff-G	DDX5
NAA10	2.29E-18	-0.62059	0.029	0.43	3.43E-14	Undiff-G	NAA10
SCARB2	2.62E-18	-0.92698	0.007	0.386	3.92E-14	Undiff-G	SCARB2
MAF1	2.67E-18	-0.62218	0.029	0.433	3.98E-14	Undiff-G	MAF1
GBAS	2.67E-18	-0.7858	0.015	0.404	4.00E-14	Undiff-G	GBAS
WBP2	2.68E-18	-0.63948	0.044	0.457	4.00E-14	Undiff-G	WBP2
ODC1	2.81E-18	-0.97576	0.015	0.398	4.20E-14	Undiff-G	ODC1
MZT2A	2.83E-18	-0.66992	0.022	0.418	4.23E-14	Undiff-G	MZT2A
SMARCB1	2.85E-18	-0.75826	0.022	0.419	4.26E-14	Undiff-G	SMARCB1
WASF2	2.93E-18	-0.63152	0.037	0.443	4.38E-14	Undiff-G	WASF2
PCSK1N	2.99E-18	-1.05338	0.029	0.425	4.47E-14	Undiff-G	PCSK1N
ATF4	3.13E-18	-0.36912	0.081	0.522	4.68E-14	Undiff-G	ATF4
FNTA	3.14E-18	-0.87478	0.007	0.39	4.69E-14	Undiff-G	FNTA
TCEAL8	3.16E-18	-0.4792	0.037	0.446	4.72E-14	Undiff-G	TCEAL8
NUDT3	3.26E-18	-0.66001	0.015	0.404	4.87E-14	Undiff-G	NUDT3

XBP1	3.40E-18	-1.03876	0	0.375	5.08E-14	Undiff-G	XBP1
IDH2	3.47E-18	-0.7345	0.029	0.431	5.19E-14	Undiff-G	IDH2
H1FX	3.58E-18	-0.94071	0.007	0.389	5.36E-14	Undiff-G	H1FX
SRPK2	3.61E-18	-0.85599	0.022	0.415	5.39E-14	Undiff-G	SRPK2
WTAP	3.90E-18	-0.63409	0.029	0.425	5.84E-14	Undiff-G	WTAP
TOMM22	3.95E-18	-0.19286	0.051	0.474	5.90E-14	Undiff-G	TOMM22
COPE	4.00E-18	0.109372	0.199	0.777	5.97E-14	Undiff-G	COPE
KPNB1	4.27E-18	-0.59174	0.044	0.452	6.38E-14	Undiff-G	KPNB1
PSMD3	4.35E-18	-0.85356	0.022	0.409	6.50E-14	Undiff-G	PSMD3
SAA1	4.69E-18	1.628611	0.331	0.116	7.01E-14	Undiff-G	SAA1
RBM17	4.81E-18	-0.89856	0	0.373	7.19E-14	Undiff-G	RBM17
HNRNPAB	4.82E-18	-0.61693	0.015	0.402	7.20E-14	Undiff-G	HNRNPAB
SUMO3	5.04E-18	-0.39459	0.037	0.444	7.53E-14	Undiff-G	SUMO3
CACYBP	5.26E-18	-0.13236	0.074	0.511	7.86E-14	Undiff-G	CACYBP
ATP6VOE2	5.78E-18	-0.49386	0.044	0.457	8.64E-14	Undiff-G	ATP6VOE2
ABHD12	6.02E-18	-0.76206	0.007	0.386	9.00E-14	Undiff-G	ABHD12
SFT2D1	6.03E-18	-0.15852	0.074	0.506	9.01E-14	Undiff-G	SFT2D1
BRK1	6.15E-18	0.10117	0.206	0.787	9.20E-14	Undiff-G	BRK1
EIF3M	6.25E-18	-0.17392	0.088	0.531	9.34E-14	Undiff-G	EIF3M
FAM3C	6.33E-18	-0.51121	0.037	0.441	9.46E-14	Undiff-G	FAM3C
TMEM70	6.37E-18	-0.65437	0.015	0.4	9.51E-14	Undiff-G	TMEM70
PRKAR1A	6.76E-18	-0.23676	0.059	0.477	1.01E-13	Undiff-G	PRKAR1A
CTNNA1	6.88E-18	-0.45217	0.029	0.426	1.03E-13	Undiff-G	CTNNA1
GNB1	7.22E-18	-0.72491	0.029	0.42	1.08E-13	Undiff-G	GNB1
MAPRE1	7.52E-18	-0.16497	0.059	0.482	1.12E-13	Undiff-G	MAPRE1
ADI1	7.59E-18	-0.70543	0.022	0.411	1.13E-13	Undiff-G	ADI1
CLNS1A	7.70E-18	-0.20185	0.066	0.497	1.15E-13	Undiff-G	CLNS1A
PRMT1	8.39E-18	-0.20153	0.103	0.559	1.25E-13	Undiff-G	PRMT1
FLOT1	8.86E-18	-0.22289	0.074	0.508	1.32E-13	Undiff-G	FLOT1
HSPD1	8.96E-18	0.124026	0.132	0.62	1.34E-13	Undiff-G	HSPD1
LYPLA1	9.24E-18	-0.45101	0.022	0.411	1.38E-13	Undiff-G	LYPLA1
HADHA	1.02E-17	-0.45169	0.044	0.446	1.52E-13	Undiff-G	HADHA
IFNGR2	1.07E-17	-0.8934	0.015	0.394	1.59E-13	Undiff-G	IFNGR2
GDI1	1.09E-17	-0.22666	0.066	0.491	1.62E-13	Undiff-G	GDI1
HDAC2	1.13E-17	-0.33365	0.044	0.452	1.69E-13	Undiff-G	HDAC2
SIRT2	1.19E-17	-0.74095	0.029	0.421	1.78E-13	Undiff-G	SIRT2
MPC1	1.27E-17	-0.24609	0.066	0.493	1.90E-13	Undiff-G	MPC1
LMNA	1.30E-17	-0.77157	0.029	0.42	1.94E-13	Undiff-G	LMNA
SPAG7	1.46E-17	-0.15341	0.066	0.483	2.18E-13	Undiff-G	SPAG7
FXYD6	1.48E-17	-0.67694	0.059	0.465	2.20E-13	Undiff-G	FXYD6
TMEM9B	1.53E-17	-0.10332	0.096	0.541	2.29E-13	Undiff-G	TMEM9B
LEPROTL1	1.56E-17	-0.71727	0.015	0.392	2.33E-13	Undiff-G	LEPROTL1
DCTN6	1.57E-17	-0.40228	0.044	0.448	2.34E-13	Undiff-G	DCTN6
MIDN	1.66E-17	-0.65997	0.029	0.419	2.49E-13	Undiff-G	MIDN
ATP6V1F	1.69E-17	0.132222	0.221	0.808	2.52E-13	Undiff-G	ATP6V1F
C17orf89	1.72E-17	-0.78094	0.037	0.426	2.58E-13	Undiff-G	C17orf89
IMP3	1.81E-17	-0.9008	0	0.364	2.70E-13	Undiff-G	IMP3
MTCH2	1.85E-17	-0.39755	0.037	0.433	2.77E-13	Undiff-G	MTCH2
C16orf13	1.91E-17	-0.57368	0.059	0.465	2.85E-13	Undiff-G	C16orf13
CHCHD10	1.91E-17	-0.86468	0.015	0.385	2.85E-13	Undiff-G	CHCHD10
SGK1	1.99E-17	-0.81434	0.044	0.441	2.98E-13	Undiff-G	SGK1



SNX6	2.01E-17	-0.29668	0.037	0.434	3.00E-13	Undiff-G	SNX6
FCER1G	2.06E-17	-0.6909	0.044	0.446	3.08E-13	Undiff-G	FCER1G
ARPC1B	2.14E-17	-0.45248	0.096	0.536	3.20E-13	Undiff-G	ARPC1B
MAGOH	2.35E-17	-0.45573	0.029	0.418	3.52E-13	Undiff-G	MAGOH
PSIP1	2.39E-17	-0.88328	0.015	0.388	3.57E-13	Undiff-G	PSIP1
ARGLU1	2.42E-17	-0.48497	0.059	0.473	3.61E-13	Undiff-G	ARGLU1
TUBB4B	2.42E-17	-0.13149	0.074	0.497	3.62E-13	Undiff-G	TUBB4B
PAIP1	2.43E-17	-0.82304	0.022	0.4	3.63E-13	Undiff-G	PAIP1
EMC4	2.84E-17	-0.17764	0.066	0.487	4.24E-13	Undiff-G	EMC4
WIPI2	2.90E-17	-0.47173	0.022	0.402	4.33E-13	Undiff-G	WIPI2
PTP4A2	2.94E-17	-0.51739	0.051	0.458	4.39E-13	Undiff-G	PTP4A2
DDX46	3.18E-17	-0.43435	0.051	0.451	4.75E-13	Undiff-G	DDX46
NSA2	3.18E-17	-0.27515	0.022	0.403	4.75E-13	Undiff-G	NSA2
CCNL1	3.23E-17	-0.14704	0.088	0.53	4.83E-13	Undiff-G	CCNL1
TXN2	3.32E-17	-0.67476	0.044	0.438	4.96E-13	Undiff-G	TXN2
AES	3.35E-17	-0.57457	0.029	0.415	5.00E-13	Undiff-G	AES
CMTM6	3.60E-17	-0.33135	0.037	0.43	5.38E-13	Undiff-G	CMTM6
DDX17	3.66E-17	-0.47454	0.037	0.428	5.47E-13	Undiff-G	DDX17
ACADVL	3.79E-17	-0.44152	0.051	0.455	5.66E-13	Undiff-G	ACADVL
AKIRIN2	3.84E-17	-0.68798	0.015	0.385	5.73E-13	Undiff-G	AKIRIN2
HIST1H4C	4.05E-17	-0.48901	0.037	0.429	6.05E-13	Undiff-G	HIST1H4C
PTTG1IP	4.07E-17	-0.5241	0.059	0.461	6.08E-13	Undiff-G	PTTG1IP
YTHDF2	4.10E-17	-0.48307	0.044	0.435	6.13E-13	Undiff-G	YTHDF2
UGP2	4.17E-17	-0.11902	0.059	0.465	6.23E-13	Undiff-G	UGP2
YPEL5	4.43E-17	-0.21123	0.051	0.457	6.62E-13	Undiff-G	YPEL5
RNF13	4.54E-17	-0.15205	0.066	0.485	6.79E-13	Undiff-G	RNF13
MKRN1	4.84E-17	-0.52067	0.029	0.412	7.23E-13	Undiff-G	MKRN1
RHOG	4.85E-17	-0.54882	0.029	0.414	7.24E-13	Undiff-G	RHOG
BAG1	5.11E-17	-0.88055	0	0.356	7.64E-13	Undiff-G	BAG1
PSMC2	5.19E-17	-0.1167	0.059	0.463	7.76E-13	Undiff-G	PSMC2
POLR2G	5.22E-17	0.118973	0.11	0.572	7.79E-13	Undiff-G	POLR2G
GABARAPL2	5.48E-17	0.145768	0.199	0.749	8.19E-13	Undiff-G	GABARAPL2
RNF145	5.97E-17	-0.82837	0.015	0.382	8.93E-13	Undiff-G	RNF145
C8orf59	6.44E-17	-0.42627	0.022	0.398	9.62E-13	Undiff-G	C8orf59
GRHPR	6.48E-17	-0.60979	0.022	0.397	9.68E-13	Undiff-G	GRHPR
STOML2	6.91E-17	-0.27829	0.037	0.425	1.03E-12	Undiff-G	STOML2
CCDC107	7.08E-17	-0.79286	0.022	0.395	1.06E-12	Undiff-G	CCDC107
POLR1D	7.20E-17	-0.18587	0.037	0.42	1.08E-12	Undiff-G	POLR1D
MYL6B	7.27E-17	-0.18338	0.051	0.447	1.09E-12	Undiff-G	MYL6B
TPM4	7.31E-17	-0.33834	0.081	0.502	1.09E-12	Undiff-G	TPM4
CEBPB	7.43E-17	-0.82178	0.051	0.439	1.11E-12	Undiff-G	CEBPB
LAGE3	7.61E-17	-0.68439	0.029	0.403	1.14E-12	Undiff-G	LAGE3
LIMS1	7.68E-17	-0.40408	0.051	0.444	1.15E-12	Undiff-G	LIMS1
PFKL	7.70E-17	-0.82265	0.007	0.367	1.15E-12	Undiff-G	PFKL
EIF3J	7.73E-17	-0.50091	0.015	0.382	1.16E-12	Undiff-G	EIF3J
DTD1	7.97E-17	-0.58286	0.022	0.396	1.19E-12	Undiff-G	DTD1
SMARCA5	8.54E-17	-0.83361	0	0.353	1.28E-12	Undiff-G	SMARCA5
ATOX1	8.59E-17	0.131272	0.132	0.61	1.28E-12	Undiff-G	ATOX1
GDI2	9.12E-17	-0.16217	0.074	0.493	1.36E-12	Undiff-G	GDI2
CISD2	9.54E-17	-0.54856	0.029	0.408	1.43E-12	Undiff-G	CISD2
CNPY3	9.76E-17	-0.52384	0.037	0.417	1.46E-12	Undiff-G	CNPY3

BIN1	1.09E-16	-0.84618	0.007	0.365	1.63E-12	Undiff-G	BIN1
C1QB	1.14E-16	-0.43289	0.125	0.575	1.70E-12	Undiff-G	C1QB
BASP1	1.16E-16	-0.87382	0.015	0.377	1.73E-12	Undiff-G	BASP1
WDR45B	1.20E-16	-0.33607	0.029	0.407	1.79E-12	Undiff-G	WDR45B
CSTB	1.20E-16	0.149391	0.176	0.696	1.79E-12	Undiff-G	CSTB
EIF3H	1.24E-16	0.246003	0.162	0.675	1.85E-12	Undiff-G	EIF3H
AKIRIN1	1.25E-16	-0.82898	0.015	0.372	1.87E-12	Undiff-G	AKIRIN1
COMMD7	1.30E-16	-0.76308	0.029	0.404	1.94E-12	Undiff-G	COMMD7
COR01A	1.31E-16	-1.03416	0.015	0.377	1.95E-12	Undiff-G	COR01A
PSMD13	1.32E-16	-0.6725	0.037	0.418	1.97E-12	Undiff-G	PSMD13
NME4	1.36E-16	-0.78972	0.022	0.386	2.03E-12	Undiff-G	NME4
HMGA1	1.36E-16	-0.88992	0	0.349	2.03E-12	Undiff-G	HMGA1
SRSF11	1.42E-16	-0.20082	0.103	0.544	2.12E-12	Undiff-G	SRSF11
RAB6A	1.51E-16	-0.652	0.029	0.398	2.26E-12	Undiff-G	RAB6A
DNAJC7	1.55E-16	-0.47058	0.066	0.469	2.32E-12	Undiff-G	DNAJC7
PLEKHB2	1.60E-16	-0.37539	0.029	0.403	2.38E-12	Undiff-G	PLEKHB2
HMGB2	1.61E-16	-0.1238	0.081	0.499	2.41E-12	Undiff-G	HMGB2
EIF5A	1.62E-16	-0.10148	0.096	0.532	2.42E-12	Undiff-G	EIF5A
MFSD1	1.62E-16	-1.05634	0	0.348	2.42E-12	Undiff-G	MFSD1
UBA2	1.65E-16	-0.63266	0.007	0.362	2.47E-12	Undiff-G	UBA2
TYROBP	1.66E-16	-0.78587	0.066	0.464	2.48E-12	Undiff-G	TYROBP
MGAT1	1.69E-16	-0.91791	0.007	0.362	2.52E-12	Undiff-G	MGAT1
CD164	1.70E-16	-0.11765	0.081	0.495	2.54E-12	Undiff-G	CD164
CHMP4A	1.76E-16	-0.25086	0.066	0.473	2.64E-12	Undiff-G	CHMP4A
STAU1	1.82E-16	-0.79087	0.015	0.37	2.72E-12	Undiff-G	STAU1
SPG21	2.06E-16	-0.49424	0.022	0.389	3.07E-12	Undiff-G	SPG21
PAK2	2.07E-16	-0.81685	0.007	0.356	3.10E-12	Undiff-G	PAK2
ARID4B	2.11E-16	-0.39915	0.037	0.41	3.16E-12	Undiff-G	ARID4B
SRA1	2.12E-16	-0.45471	0.029	0.403	3.17E-12	Undiff-G	SRA1
PSMF1	2.13E-16	-0.26056	0.029	0.403	3.18E-12	Undiff-G	PSMF1
ATP5B	2.15E-16	0.204932	0.221	0.782	3.21E-12	Undiff-G	ATP5B
BCAS2	2.22E-16	-0.22812	0.066	0.467	3.31E-12	Undiff-G	BCAS2
SSR2	2.46E-16	0.244985	0.191	0.72	3.67E-12	Undiff-G	SSR2
LAMTOR1	2.47E-16	0.179725	0.169	0.66	3.69E-12	Undiff-G	LAMTOR1
IDH3B	2.47E-16	-0.36116	0.044	0.428	3.69E-12	Undiff-G	IDH3B
NDUFA12	2.50E-16	0.116192	0.118	0.563	3.74E-12	Undiff-G	NDUFA12
SOX4	2.55E-16	-0.84089	0.066	0.45	3.82E-12	Undiff-G	SOX4
RTF1	2.56E-16	-0.5181	0.051	0.435	3.83E-12	Undiff-G	RTF1
SNRPC	2.58E-16	0.174166	0.088	0.517	3.85E-12	Undiff-G	SNRPC
ATRX	2.64E-16	-0.5295	0.059	0.449	3.94E-12	Undiff-G	ATRX
VPS28	2.71E-16	0.267035	0.154	0.642	4.05E-12	Undiff-G	VPS28
MKKS	2.80E-16	-0.4105	0.037	0.408	4.18E-12	Undiff-G	MKKS
SUCLG1	3.31E-16	-0.36949	0.051	0.441	4.95E-12	Undiff-G	SUCLG1
NDUFB3	3.52E-16	0.118924	0.11	0.559	5.26E-12	Undiff-G	NDUFB3
ADIPOR1	3.71E-16	-0.5935	0.022	0.384	5.54E-12	Undiff-G	ADIPOR1
CCDC109B	3.76E-16	-0.90365	0.007	0.353	5.61E-12	Undiff-G	CCDC109B
SURF1	3.80E-16	-0.77264	0.007	0.356	5.67E-12	Undiff-G	SURF1
CNDP2	3.81E-16	-0.27051	0.051	0.435	5.69E-12	Undiff-G	CNDP2
ATP6V1B2	3.88E-16	-0.31015	0.037	0.413	5.80E-12	Undiff-G	ATP6V1B2
SDF4	3.98E-16	-0.68563	0.037	0.408	5.95E-12	Undiff-G	SDF4
ZYX	4.03E-16	-0.52962	0.037	0.406	6.03E-12	Undiff-G	ZYX

PFN2	4.06E-16	-0.2603	0.051	0.439	6.06E-12	Undiff-G	PFN2
ARL4C	4.20E-16	-0.51508	0.022	0.382	6.28E-12	Undiff-G	ARL4C
RNF187	4.48E-16	-0.74843	0.022	0.382	6.69E-12	Undiff-G	RNF187
SEC11A	4.52E-16	0.114875	0.132	0.596	6.76E-12	Undiff-G	SEC11A
SMARCE1	4.67E-16	-0.67687	0.022	0.383	6.98E-12	Undiff-G	SMARCE1
BBX	4.78E-16	-0.33187	0.037	0.411	7.14E-12	Undiff-G	BBX
MLEC	4.88E-16	-0.53948	0.037	0.405	7.30E-12	Undiff-G	MLEC
EIF4B	5.09E-16	-0.43621	0.022	0.382	7.60E-12	Undiff-G	EIF4B
EIF3K	5.26E-16	0.238331	0.213	0.765	7.86E-12	Undiff-G	EIF3K
SLC25A11	5.58E-16	-0.42093	0.044	0.424	8.34E-12	Undiff-G	SLC25A11
CCT7	6.11E-16	-0.18776	0.103	0.535	9.14E-12	Undiff-G	CCT7
DNPH1	6.24E-16	-0.50701	0.022	0.381	9.33E-12	Undiff-G	DNPH1
GCSH	6.43E-16	-0.86329	0.007	0.351	9.61E-12	Undiff-G	GCSH
COPRS	6.58E-16	-0.82932	0	0.338	9.84E-12	Undiff-G	COPRS
BTG3	6.68E-16	-0.58833	0.022	0.375	9.98E-12	Undiff-G	BTG3
STARD3NL	6.69E-16	-0.41785	0.037	0.402	1.00E-11	Undiff-G	STARD3NL
SNRPE	6.84E-16	0.128981	0.132	0.585	1.02E-11	Undiff-G	SNRPE
ATP6V1E1	6.87E-16	-0.18219	0.051	0.437	1.03E-11	Undiff-G	ATP6V1E1
ATP5G1	7.02E-16	0.211549	0.147	0.623	1.05E-11	Undiff-G	ATP5G1
RBM42	7.55E-16	-0.55271	0.029	0.39	1.13E-11	Undiff-G	RBM42
HIGD2A	7.58E-16	0.181779	0.147	0.624	1.13E-11	Undiff-G	HIGD2A
SF3B5	7.93E-16	0.232594	0.154	0.635	1.18E-11	Undiff-G	SF3B5
NDUFA1	9.74E-16	0.221599	0.199	0.73	1.46E-11	Undiff-G	NDUFA1
PEPD	9.96E-16	-0.25684	0.051	0.433	1.49E-11	Undiff-G	PEPD
ALDH2	1.03E-15	-0.72917	0.022	0.375	1.53E-11	Undiff-G	ALDH2
TAF9	1.03E-15	0.135232	0.088	0.505	1.54E-11	Undiff-G	TAF9
PSMC6	1.04E-15	-0.38978	0.029	0.391	1.55E-11	Undiff-G	PSMC6
LMAN2	1.09E-15	0.114166	0.125	0.579	1.62E-11	Undiff-G	LMAN2
NAPA	1.10E-15	-0.48297	0.037	0.398	1.65E-11	Undiff-G	NAPA
FHL1	1.13E-15	-0.85759	0.015	0.361	1.68E-11	Undiff-G	FHL1
CCL3	1.16E-15	-0.75441	0.051	0.426	1.73E-11	Undiff-G	CCL3
IFI27L2	1.20E-15	-0.11925	0.074	0.476	1.80E-11	Undiff-G	IFI27L2
WBSCR22	1.23E-15	0.124145	0.088	0.498	1.84E-11	Undiff-G	WBSCR22
TNFRSF1A	1.26E-15	-0.50356	0.022	0.376	1.88E-11	Undiff-G	TNFRSF1A
CD68	1.27E-15	-0.47048	0.059	0.446	1.90E-11	Undiff-G	CD68
TMEM126A	1.28E-15	-0.8783	0	0.333	1.92E-11	Undiff-G	TMEM126A
MAP1LC3A	1.32E-15	-0.77501	0.022	0.369	1.98E-11	Undiff-G	MAP1LC3A
TMEM179B	1.37E-15	-0.20868	0.044	0.418	2.05E-11	Undiff-G	TMEM179B
BCLAF1	1.39E-15	-0.32035	0.029	0.389	2.08E-11	Undiff-G	BCLAF1
NOL7	1.42E-15	-0.14981	0.059	0.443	2.13E-11	Undiff-G	NOL7
SELT	1.43E-15	0.122762	0.176	0.665	2.14E-11	Undiff-G	SELT
RGS10	1.45E-15	-1.07926	0.007	0.346	2.16E-11	Undiff-G	RGS10
AHSA1	1.47E-15	-0.25311	0.037	0.403	2.19E-11	Undiff-G	AHSA1
COX7B	1.48E-15	0.151584	0.169	0.648	2.22E-11	Undiff-G	COX7B
TRAPPC2L	1.50E-15	-0.22652	0.051	0.424	2.24E-11	Undiff-G	TRAPPC2L
DBNL	1.52E-15	-0.29306	0.051	0.43	2.27E-11	Undiff-G	DBNL
C19orf24	1.52E-15	-0.48216	0.022	0.369	2.27E-11	Undiff-G	C19orf24
DHX36	1.60E-15	-0.32157	0.051	0.43	2.39E-11	Undiff-G	DHX36
PSMG2	1.63E-15	-0.14511	0.044	0.416	2.43E-11	Undiff-G	PSMG2
TSEN34	1.67E-15	-0.6695	0.022	0.372	2.49E-11	Undiff-G	TSEN34
CCT5	1.70E-15	0.118478	0.081	0.487	2.54E-11	Undiff-G	CCT5

BTF3L4	1. 81E-15	0. 170267	0. 096	0. 517	2. 71E-11	Undiff-G	BTF3L4
PHLDA1	1. 88E-15	-0. 71369	0. 037	0. 4	2. 81E-11	Undiff-G	PHLDA1
GPAA1	1. 94E-15	-0. 49302	0. 037	0. 397	2. 90E-11	Undiff-G	GPAA1
PCMT1	1. 97E-15	0. 168989	0. 11	0. 546	2. 95E-11	Undiff-G	PCMT1
GATM	2. 02E-15	-0. 83102	0. 015	0. 356	3. 01E-11	Undiff-G	GATM
ARL6IP1	2. 11E-15	0. 157431	0. 213	0. 748	3. 15E-11	Undiff-G	ARL6IP1
APLP1	2. 14E-15	-0. 83446	0. 015	0. 355	3. 21E-11	Undiff-G	APLP1
ATP5F1	2. 15E-15	0. 208051	0. 162	0. 649	3. 22E-11	Undiff-G	ATP5F1
YBX3	2. 22E-15	-0. 56637	0. 044	0. 409	3. 32E-11	Undiff-G	YBX3
ANAPC5	2. 24E-15	-0. 20026	0. 037	0. 4	3. 34E-11	Undiff-G	ANAPC5
N4BP2L2	2. 36E-15	-0. 27821	0. 103	0. 521	3. 53E-11	Undiff-G	N4BP2L2
CYB5R3	2. 37E-15	-0. 73909	0. 022	0. 365	3. 54E-11	Undiff-G	CYB5R3
TSC22D1	2. 44E-15	-0. 20176	0. 103	0. 517	3. 65E-11	Undiff-G	TSC22D1
ITGB2	2. 46E-15	-1. 27152	0	0. 328	3. 68E-11	Undiff-G	ITGB2
C6orf48	2. 52E-15	0. 246023	0. 169	0. 652	3. 76E-11	Undiff-G	C6orf48
RAD23B	2. 52E-15	-0. 38457	0. 029	0. 384	3. 76E-11	Undiff-G	RAD23B
SOX2	2. 58E-15	-0. 7843	0. 059	0. 434	3. 86E-11	Undiff-G	SOX2
LITAF	2. 65E-15	-0. 2353	0. 074	0. 463	3. 96E-11	Undiff-G	LITAF
PSMD11	2. 92E-15	-0. 16999	0. 044	0. 412	4. 36E-11	Undiff-G	PSMD11
FAM50A	2. 96E-15	-0. 57254	0. 029	0. 377	4. 43E-11	Undiff-G	FAM50A
PDHB	2. 98E-15	-0. 51719	0. 022	0. 367	4. 46E-11	Undiff-G	PDHB
GRSF1	3. 02E-15	-0. 76889	0	0. 326	4. 51E-11	Undiff-G	GRSF1
APOC1	3. 04E-15	-0. 41666	0. 103	0. 521	4. 54E-11	Undiff-G	APOC1
TAOK3	3. 09E-15	-0. 56503	0. 037	0. 39	4. 61E-11	Undiff-G	TAOK3
TUBB2B	3. 11E-15	-0. 46272	0. 132	0. 56	4. 64E-11	Undiff-G	TUBB2B
ARHGDIB	3. 24E-15	-0. 87621	0. 029	0. 376	4. 85E-11	Undiff-G	ARHGDIB
NEDD8	3. 33E-15	0. 187903	0. 213	0. 751	4. 98E-11	Undiff-G	NEDD8
MAP7D1	3. 35E-15	-0. 66162	0. 015	0. 35	5. 00E-11	Undiff-G	MAP7D1
ARL2BP	3. 42E-15	-0. 13979	0. 044	0. 409	5. 11E-11	Undiff-G	ARL2BP
GTF2I	3. 44E-15	-0. 38516	0. 059	0. 431	5. 13E-11	Undiff-G	GTF2I
UBE2I	3. 53E-15	0. 260799	0. 132	0. 582	5. 28E-11	Undiff-G	UBE2I
JMJD1C	3. 64E-15	-0. 80728	0. 007	0. 338	5. 43E-11	Undiff-G	JMJD1C
TMEM59	3. 65E-15	0. 31542	0. 228	0. 792	5. 46E-11	Undiff-G	TMEM59
SNRPD3	3. 72E-15	-0. 45129	0. 051	0. 418	5. 56E-11	Undiff-G	SNRPD3
C21orf33	3. 73E-15	-0. 42378	0. 022	0. 367	5. 57E-11	Undiff-G	C21orf33
MAGED2	3. 88E-15	0. 121247	0. 103	0. 513	5. 80E-11	Undiff-G	MAGED2
ERCC1	3. 90E-15	-0. 13465	0. 081	0. 477	5. 83E-11	Undiff-G	ERCC1
HIGD1A	3. 98E-15	-0. 13744	0. 059	0. 431	5. 94E-11	Undiff-G	HIGD1A
NAP1L4	4. 01E-15	-0. 42871	0. 044	0. 408	6. 00E-11	Undiff-G	NAP1L4
NSFL1C	4. 07E-15	-0. 30586	0. 044	0. 406	6. 08E-11	Undiff-G	NSFL1C
RBM25	4. 16E-15	-0. 35509	0. 066	0. 445	6. 22E-11	Undiff-G	RBM25
RHOBTB3	4. 19E-15	-0. 58706	0. 051	0. 413	6. 26E-11	Undiff-G	RHOBTB3
ATP5A1	4. 27E-15	0. 225084	0. 184	0. 68	6. 38E-11	Undiff-G	ATP5A1
IDH3G	4. 54E-15	-0. 25617	0. 044	0. 407	6. 79E-11	Undiff-G	IDH3G
POLDIP2	4. 56E-15	-0. 72202	0. 015	0. 351	6. 82E-11	Undiff-G	POLDIP2
ERI3	4. 64E-15	-0. 76769	0. 029	0. 373	6. 93E-11	Undiff-G	ERI3
ALOX5AP	4. 78E-15	-0. 78016	0. 044	0. 403	7. 15E-11	Undiff-G	ALOX5AP
WHSC1L1	4. 79E-15	-0. 68898	0. 029	0. 377	7. 15E-11	Undiff-G	WHSC1L1
RNF181	4. 80E-15	0. 200021	0. 125	0. 56	7. 18E-11	Undiff-G	RNF181
15-Sep	4. 89E-15	0. 1561	0. 176	0. 662	7. 31E-11	Undiff-G	15-Sep
PIH1D1	4. 91E-15	-0. 15181	0. 037	0. 394	7. 33E-11	Undiff-G	PIH1D1

CCNH	4.98E-15	-0.4214	0.051	0.416	7.44E-11	Undiff-G	CCNH
HSPH1	5.03E-15	-0.59899	0.022	0.365	7.51E-11	Undiff-G	HSPH1
NDUFV3	5.16E-15	-0.29503	0.051	0.414	7.71E-11	Undiff-G	NDUFV3
PEA15	5.31E-15	-0.22781	0.066	0.448	7.93E-11	Undiff-G	PEA15
ENOPH1	5.32E-15	-0.23553	0.037	0.393	7.95E-11	Undiff-G	ENOPH1
RALA	5.35E-15	-0.38024	0.022	0.364	8.00E-11	Undiff-G	RALA
KLC1	5.40E-15	-0.58294	0.022	0.363	8.07E-11	Undiff-G	KLC1
HNRNPUL1	5.42E-15	-0.49117	0.037	0.388	8.10E-11	Undiff-G	HNRNPUL1
NDUFB4	5.44E-15	0.168714	0.191	0.686	8.13E-11	Undiff-G	NDUFB4
GLOD4	5.47E-15	-0.1373	0.037	0.393	8.18E-11	Undiff-G	GLOD4
CANX	5.53E-15	0.177119	0.132	0.579	8.27E-11	Undiff-G	CANX
FUNDC2	5.66E-15	-0.21214	0.044	0.407	8.46E-11	Undiff-G	FUNDC2
SRSF4	5.71E-15	-0.43707	0.022	0.364	8.53E-11	Undiff-G	SRSF4
YIPF3	5.72E-15	-0.16169	0.088	0.488	8.55E-11	Undiff-G	YIPF3
LAPTM4B	5.87E-15	-0.81124	0.007	0.335	8.77E-11	Undiff-G	LAPTM4B
THRAP3	5.96E-15	-0.17642	0.066	0.442	8.90E-11	Undiff-G	THRAP3
PABPC4	6.02E-15	-0.82711	0.007	0.332	8.99E-11	Undiff-G	PABPC4
LSM14A	6.20E-15	-0.4533	0.037	0.385	9.26E-11	Undiff-G	LSM14A
SEC63	6.25E-15	-0.11254	0.037	0.392	9.34E-11	Undiff-G	SEC63
NFIB	6.27E-15	-0.78049	0.037	0.382	9.37E-11	Undiff-G	NFIB
ATP5H	6.34E-15	0.313699	0.169	0.655	9.48E-11	Undiff-G	ATP5H
UBL3	6.59E-15	-0.60441	0.022	0.358	9.84E-11	Undiff-G	UBL3
UBE2V2	6.73E-15	0.199357	0.096	0.499	1.01E-10	Undiff-G	UBE2V2
TGOLN2	6.94E-15	-0.45633	0.029	0.377	1.04E-10	Undiff-G	TGOLN2
UBE2A	8.17E-15	-0.24122	0.059	0.426	1.22E-10	Undiff-G	UBE2A
CTSS	8.67E-15	-0.97724	0.022	0.358	1.30E-10	Undiff-G	CTSS
MAFB	8.68E-15	-1.06232	0	0.318	1.30E-10	Undiff-G	MAFB
NDUFA10	8.75E-15	-0.10604	0.066	0.443	1.31E-10	Undiff-G	NDUFA10
PSME1	8.87E-15	0.157109	0.14	0.588	1.33E-10	Undiff-G	PSME1
PRMT2	9.05E-15	-0.144	0.074	0.453	1.35E-10	Undiff-G	PRMT2
CD47	9.07E-15	-0.41387	0.037	0.388	1.36E-10	Undiff-G	CD47
VSIG4	9.10E-15	-1.10043	0.029	0.369	1.36E-10	Undiff-G	VSIG4
EZR	9.16E-15	-0.70421	0.015	0.346	1.37E-10	Undiff-G	EZR
NASP	9.17E-15	-0.39975	0.051	0.413	1.37E-10	Undiff-G	NASP
LRRFIP1	9.34E-15	-0.65455	0.022	0.357	1.40E-10	Undiff-G	LRRFIP1
MS4A6A	9.44E-15	-1.06726	0.015	0.345	1.41E-10	Undiff-G	MS4A6A
CTDNEP1	9.70E-15	-0.79412	0	0.317	1.45E-10	Undiff-G	CTDNEP1
ORMDL1	9.75E-15	0.107668	0.088	0.487	1.46E-10	Undiff-G	ORMDL1
RBBP6	1.00E-14	-0.78407	0	0.317	1.50E-10	Undiff-G	RBBP6
SEPHS2	1.03E-14	-0.75729	0	0.317	1.53E-10	Undiff-G	SEPHS2
BLOC1S2	1.04E-14	-0.3742	0.029	0.372	1.55E-10	Undiff-G	BLOC1S2
FCGR3A	1.04E-14	-0.98857	0.015	0.345	1.56E-10	Undiff-G	FCGR3A
TMED2	1.07E-14	0.207365	0.154	0.617	1.61E-10	Undiff-G	TMED2
RCN1	1.09E-14	-0.49729	0.022	0.358	1.63E-10	Undiff-G	RCN1
KPNA2	1.12E-14	-0.61103	0.022	0.359	1.68E-10	Undiff-G	KPNA2
YY1	1.18E-14	-0.62687	0.015	0.344	1.76E-10	Undiff-G	YY1
ATP1A1	1.20E-14	-0.26121	0.088	0.478	1.79E-10	Undiff-G	ATP1A1
SEC11C	1.21E-14	0.159024	0.096	0.502	1.80E-10	Undiff-G	SEC11C
FIBP	1.23E-14	0.117216	0.088	0.487	1.83E-10	Undiff-G	FIBP
NDUFS3	1.24E-14	0.156388	0.096	0.494	1.86E-10	Undiff-G	NDUFS3
KLF6	1.25E-14	-0.18318	0.118	0.536	1.87E-10	Undiff-G	KLF6

FAM96B	1. 27E-14	0. 214885	0. 184	0. 663	1. 90E-10	Undiff-G	FAM96B
SCAMP2	1. 28E-14	-0. 7141	0. 037	0. 378	1. 91E-10	Undiff-G	SCAMP2
RHOA	1. 31E-14	0. 208697	0. 228	0. 761	1. 95E-10	Undiff-G	RHOA
TIMM10	1. 33E-14	-0. 2607	0. 022	0. 358	1. 98E-10	Undiff-G	TIMM10
CLTC	1. 34E-14	-0. 57434	0. 022	0. 353	2. 00E-10	Undiff-G	CLTC
CBX1	1. 39E-14	-0. 3201	0. 029	0. 371	2. 08E-10	Undiff-G	CBX1
UQCR10	1. 41E-14	0. 128469	0. 221	0. 748	2. 11E-10	Undiff-G	UQCR10
PFDN2	1. 47E-14	0. 199341	0. 154	0. 616	2. 19E-10	Undiff-G	PFDN2
PSMB8	1. 49E-14	-0. 14155	0. 059	0. 419	2. 22E-10	Undiff-G	PSMB8
RBCK1	1. 51E-14	-0. 5566	0. 015	0. 341	2. 25E-10	Undiff-G	RBCK1
SRM	1. 54E-14	-0. 59999	0. 029	0. 369	2. 30E-10	Undiff-G	SRM
EID1	1. 58E-14	0. 156695	0. 206	0. 713	2. 36E-10	Undiff-G	EID1
RNF167	1. 61E-14	-0. 25951	0. 051	0. 412	2. 40E-10	Undiff-G	RNF167
ZCCHC17	1. 62E-14	-0. 59882	0. 022	0. 355	2. 42E-10	Undiff-G	ZCCHC17
GNAI3	1. 63E-14	-0. 18476	0. 044	0. 397	2. 43E-10	Undiff-G	GNAI3
PIN1	1. 64E-14	0. 150507	0. 118	0. 542	2. 45E-10	Undiff-G	PIN1
ATP6AP2	1. 66E-14	0. 200293	0. 176	0. 662	2. 48E-10	Undiff-G	ATP6AP2
DPM2	1. 66E-14	-0. 74991	0. 022	0. 35	2. 48E-10	Undiff-G	DPM2
SURF4	1. 77E-14	-0. 49352	0. 022	0. 354	2. 65E-10	Undiff-G	SURF4
SNRPF	1. 77E-14	0. 118362	0. 125	0. 552	2. 65E-10	Undiff-G	SNRPF
HSBP1	1. 97E-14	0. 165345	0. 206	0. 721	2. 94E-10	Undiff-G	HSBP1
AP2M1	2. 00E-14	0. 144632	0. 213	0. 718	2. 99E-10	Undiff-G	AP2M1
CHD4	2. 02E-14	-0. 54325	0. 007	0. 326	3. 02E-10	Undiff-G	CHD4
BCL7B	2. 02E-14	-0. 7034	0. 007	0. 326	3. 02E-10	Undiff-G	BCL7B
PSAP	2. 05E-14	0. 128631	0. 265	0. 825	3. 06E-10	Undiff-G	PSAP
CXADR	2. 18E-14	-0. 88201	0	0. 311	3. 25E-10	Undiff-G	CXADR
SNRPB2	2. 23E-14	0. 304008	0. 132	0. 569	3. 34E-10	Undiff-G	SNRPB2
SNRNP25	2. 25E-14	-0. 35777	0. 022	0. 353	3. 37E-10	Undiff-G	SNRNP25
NFIX	2. 27E-14	-0. 81299	0. 015	0. 336	3. 39E-10	Undiff-G	NFIX
FKBP4	2. 33E-14	-0. 70008	0. 007	0. 325	3. 49E-10	Undiff-G	FKBP4
RAD23A	2. 40E-14	0. 18234	0. 14	0. 572	3. 58E-10	Undiff-G	RAD23A
EIF1B	2. 40E-14	0. 122698	0. 147	0. 593	3. 58E-10	Undiff-G	EIF1B
TPR	2. 46E-14	-0. 19594	0. 051	0. 409	3. 67E-10	Undiff-G	TPR
ROMO1	2. 47E-14	0. 157667	0. 147	0. 6	3. 69E-10	Undiff-G	ROMO1
UBE2J2	2. 48E-14	-0. 51965	0. 015	0. 338	3. 70E-10	Undiff-G	UBE2J2
JOSD2	2. 48E-14	-0. 59819	0. 015	0. 339	3. 71E-10	Undiff-G	JOSD2
CAPG	2. 49E-14	-0. 53604	0. 059	0. 419	3. 71E-10	Undiff-G	CAPG
FAU	2. 51E-14	0. 951005	0. 713	0. 961	3. 75E-10	Undiff-G	FAU
GSPT1	2. 59E-14	-0. 56148	0. 022	0. 352	3. 88E-10	Undiff-G	GSPT1
FAM192A	2. 67E-14	-0. 438	0. 029	0. 361	4. 00E-10	Undiff-G	FAM192A
MGP	2. 69E-14	1. 54327	0. 279	0. 102	4. 02E-10	Undiff-G	MGP
DTYMK	2. 74E-14	-0. 64702	0. 015	0. 333	4. 10E-10	Undiff-G	DTYMK
SNHG7	2. 92E-14	-0. 68781	0. 022	0. 35	4. 37E-10	Undiff-G	SNHG7
SRP19	2. 99E-14	-0. 12779	0. 051	0. 408	4. 48E-10	Undiff-G	SRP19
NANS	3. 01E-14	-0. 4977	0. 029	0. 364	4. 49E-10	Undiff-G	NANS
PAFAH1B3	3. 04E-14	-0. 40421	0. 066	0. 428	4. 54E-10	Undiff-G	PAFAH1B3
HINT2	3. 07E-14	-0. 62077	0. 022	0. 35	4. 59E-10	Undiff-G	HINT2
JUND	3. 14E-14	-0. 41785	0. 051	0. 403	4. 69E-10	Undiff-G	JUND
C6orf1	3. 19E-14	-0. 53319	0. 029	0. 364	4. 77E-10	Undiff-G	C6orf1
METTL23	3. 19E-14	-0. 67788	0. 007	0. 322	4. 77E-10	Undiff-G	METTL23
PRKRA	3. 22E-14	-0. 44671	0. 029	0. 365	4. 81E-10	Undiff-G	PRKRA

YIPF4	3.36E-14	-0.27064	0.037	0.378	5.02E-10	Undiff-G	YIPF4
PHB2	3.38E-14	0.104528	0.074	0.447	5.05E-10	Undiff-G	PHB2
HNRNPC	3.45E-14	0.26077	0.199	0.699	5.16E-10	Undiff-G	HNRNPC
CSNK1D	3.53E-14	-0.47063	0.029	0.363	5.27E-10	Undiff-G	CSNK1D
CHD9	3.55E-14	-0.11743	0.088	0.472	5.31E-10	Undiff-G	CHD9
FGFR10P2	3.63E-14	-0.68903	0.007	0.321	5.43E-10	Undiff-G	FGFR10P2
AFF4	3.70E-14	-0.65642	0.022	0.344	5.52E-10	Undiff-G	AFF4
CLPTM1	3.71E-14	-0.40634	0.022	0.349	5.54E-10	Undiff-G	CLPTM1
EIF1AX	3.88E-14	0.350317	0.132	0.565	5.80E-10	Undiff-G	EIF1AX
EVL	3.91E-14	-0.72159	0.029	0.356	5.85E-10	Undiff-G	EVL
ILF3	4.01E-14	-0.20466	0.059	0.416	6.00E-10	Undiff-G	ILF3
PLSCR1	4.06E-14	-0.46027	0.029	0.363	6.07E-10	Undiff-G	PLSCR1
NXT1	4.07E-14	-0.66326	0.007	0.32	6.08E-10	Undiff-G	NXT1
CSNK2A1	4.21E-14	-0.67566	0.007	0.32	6.30E-10	Undiff-G	CSNK2A1
CTNNB1	4.23E-14	-0.66883	0.029	0.359	6.32E-10	Undiff-G	CTNNB1
PRAF2	4.24E-14	-0.75785	0	0.306	6.34E-10	Undiff-G	PRAF2
CRK	4.25E-14	-0.62484	0.007	0.32	6.36E-10	Undiff-G	CRK
GPBP1	4.36E-14	-0.19527	0.081	0.453	6.52E-10	Undiff-G	GPBP1
TIMP2	4.41E-14	-0.75924	0.015	0.329	6.60E-10	Undiff-G	TIMP2
LGALS1	4.46E-14	1.21913	0.654	0.704	6.66E-10	Undiff-G	LGALS1
DYNC1H1	4.51E-14	-0.75465	0.022	0.342	6.73E-10	Undiff-G	DYNC1H1
PQBP1	4.51E-14	-0.37988	0.022	0.348	6.75E-10	Undiff-G	PQBP1
HAGH	4.55E-14	-0.50684	0.029	0.357	6.80E-10	Undiff-G	HAGH
EIF4EBP1	4.62E-14	-0.15404	0.066	0.431	6.90E-10	Undiff-G	EIF4EBP1
DYNLT1	4.65E-14	0.217254	0.169	0.634	6.95E-10	Undiff-G	DYNLT1
DLD	4.75E-14	-0.42235	0.022	0.348	7.10E-10	Undiff-G	DLD
NFIC	4.82E-14	-0.27458	0.074	0.438	7.20E-10	Undiff-G	NFIC
COA1	4.87E-14	-0.30744	0.051	0.401	7.28E-10	Undiff-G	COA1
TREM2	4.91E-14	-1.02518	0.029	0.354	7.34E-10	Undiff-G	TREM2
VAMP8	5.16E-14	-0.75108	0.022	0.347	7.70E-10	Undiff-G	VAMP8
PAPOLA	5.23E-14	0.212377	0.096	0.489	7.82E-10	Undiff-G	PAPOLA
TCEA2	5.37E-14	-0.56426	0.037	0.372	8.02E-10	Undiff-G	TCEA2
TAPBP	5.56E-14	-0.3674	0.022	0.346	8.32E-10	Undiff-G	TAPBP
TMEM50A	5.59E-14	0.272666	0.154	0.597	8.35E-10	Undiff-G	TMEM50A
TCEB1	5.59E-14	0.299157	0.169	0.628	8.35E-10	Undiff-G	TCEB1
CYTH2	5.63E-14	-0.54172	0.022	0.345	8.42E-10	Undiff-G	CYTH2
CXXC5	5.77E-14	-0.59856	0.044	0.384	8.63E-10	Undiff-G	CXXC5
ACSL3	5.82E-14	-0.63732	0.022	0.345	8.70E-10	Undiff-G	ACSL3
CMTM3	5.87E-14	-0.64589	0.015	0.327	8.78E-10	Undiff-G	CMTM3
C7orf55-L	5.93E-14	-0.70813	0.022	0.342	8.87E-10	Undiff-G	C7orf55-LUC7L2
RAB4A	5.93E-14	-0.48309	0.022	0.345	8.87E-10	Undiff-G	RAB4A
SF3B1	6.04E-14	-0.25271	0.074	0.441	9.03E-10	Undiff-G	SF3B1
SLC25A4	6.06E-14	-0.12254	0.066	0.431	9.06E-10	Undiff-G	SLC25A4
ARPC5L	6.20E-14	-0.33679	0.037	0.373	9.26E-10	Undiff-G	ARPC5L
PHF14	6.20E-14	-0.40638	0.066	0.427	9.26E-10	Undiff-G	PHF14
SSRP1	6.24E-14	-0.55602	0.029	0.358	9.32E-10	Undiff-G	SSRP1
TSPAN13	6.41E-14	-0.92531	0	0.302	9.58E-10	Undiff-G	TSPAN13
PRCP	6.47E-14	-0.28978	0.029	0.359	9.66E-10	Undiff-G	PRCP
PTBP1	6.48E-14	-0.63933	0.015	0.327	9.68E-10	Undiff-G	PTBP1
ESD	6.79E-14	0.234759	0.103	0.494	1.01E-09	Undiff-G	ESD
FGD5-AS1	6.94E-14	-0.5631	0.007	0.316	1.04E-09	Undiff-G	FGD5-AS1

SSBP1	7.08E-14	0.445862	0.176	0.644	1.06E-09	Undiff-G	SSBP1
SPAG9	7.09E-14	-0.60843	0.029	0.357	1.06E-09	Undiff-G	SPAG9
SCD5	7.10E-14	-0.46609	0.051	0.398	1.06E-09	Undiff-G	SCD5
SPCS3	7.14E-14	-0.76161	0.015	0.329	1.07E-09	Undiff-G	SPCS3
TYMP	7.15E-14	-1.06134	0.007	0.31	1.07E-09	Undiff-G	TYMP
USP16	7.16E-14	-0.49217	0.037	0.367	1.07E-09	Undiff-G	USP16
TWF2	7.17E-14	-0.32055	0.022	0.344	1.07E-09	Undiff-G	TWF2
USF2	7.24E-14	-0.47309	0.015	0.329	1.08E-09	Undiff-G	USF2
OSBPL8	7.25E-14	-0.72484	0.007	0.315	1.08E-09	Undiff-G	OSBPL8
HLA-DPB1	7.26E-14	-0.27566	0.103	0.499	1.09E-09	Undiff-G	HLA-DPB1
SMAP1	7.54E-14	-0.73248	0	0.301	1.13E-09	Undiff-G	SMAP1
ECH1	7.54E-14	0.187089	0.14	0.563	1.13E-09	Undiff-G	ECH1
SERPINB6	7.59E-14	0.15434	0.096	0.482	1.13E-09	Undiff-G	SERPINB6
SERINC3	7.78E-14	-0.37906	0.037	0.369	1.16E-09	Undiff-G	SERINC3
MYEOV2	7.90E-14	0.18061	0.191	0.679	1.18E-09	Undiff-G	MYEOV2
YWHAE	7.96E-14	0.214054	0.235	0.758	1.19E-09	Undiff-G	YWHAE
VPS4A	7.98E-14	-0.72026	0.007	0.311	1.19E-09	Undiff-G	VPS4A
NLRP1	8.13E-14	-0.48133	0.022	0.342	1.21E-09	Undiff-G	NLRP1
M6PR	8.18E-14	-0.12045	0.044	0.386	1.22E-09	Undiff-G	M6PR
CREG1	8.21E-14	-0.89567	0	0.3	1.23E-09	Undiff-G	CREG1
PET100	8.34E-14	0.130318	0.118	0.529	1.25E-09	Undiff-G	PET100
TPGS2	8.48E-14	-0.56702	0.022	0.342	1.27E-09	Undiff-G	TPGS2
GPM6A	8.55E-14	-0.22473	0.118	0.509	1.28E-09	Undiff-G	GPM6A
HMG20B	8.58E-14	-0.68559	0.022	0.34	1.28E-09	Undiff-G	HMG20B
UBC	8.67E-14	0.891802	0.713	0.953	1.30E-09	Undiff-G	UBC
ARMC10	8.67E-14	-0.68577	0	0.3	1.30E-09	Undiff-G	ARMC10
SLC39A3	8.68E-14	-0.62691	0.022	0.342	1.30E-09	Undiff-G	SLC39A3
IFI6	8.86E-14	-0.3678	0.059	0.41	1.32E-09	Undiff-G	IFI6
DDX18	9.12E-14	0.114426	0.11	0.506	1.36E-09	Undiff-G	DDX18
PRPF6	9.14E-14	-0.3146	0.029	0.357	1.37E-09	Undiff-G	PRPF6
CKS2	9.18E-14	-0.44573	0.037	0.37	1.37E-09	Undiff-G	CKS2
TPGS1	9.25E-14	-0.68857	0.007	0.313	1.38E-09	Undiff-G	TPGS1
NPDC1	9.32E-14	-0.74848	0.015	0.327	1.39E-09	Undiff-G	NPDC1
GYPC	9.62E-14	-0.93913	0.007	0.313	1.44E-09	Undiff-G	GYPC
KLHDC3	9.82E-14	-0.25942	0.037	0.366	1.47E-09	Undiff-G	KLHDC3
ACAA1	9.88E-14	-0.59574	0.029	0.353	1.48E-09	Undiff-G	ACAA1
PTPMT1	9.93E-14	-0.34866	0.029	0.356	1.48E-09	Undiff-G	PTPMT1
SMIM19	1.00E-13	-0.48356	0.015	0.327	1.50E-09	Undiff-G	SMIM19
SOCS3	1.02E-13	-0.72372	0.029	0.352	1.52E-09	Undiff-G	SOCS3
ATF6B	1.03E-13	-0.51488	0.051	0.391	1.54E-09	Undiff-G	ATF6B
SNRNP27	1.03E-13	-0.33591	0.029	0.356	1.54E-09	Undiff-G	SNRNP27
RBM39	1.04E-13	0.226617	0.184	0.66	1.56E-09	Undiff-G	RBM39
CORO1B	1.06E-13	-0.40543	0.037	0.365	1.58E-09	Undiff-G	CORO1B
CAPZA1	1.06E-13	-0.22102	0.051	0.396	1.59E-09	Undiff-G	CAPZA1
CFDP1	1.07E-13	-0.12172	0.066	0.42	1.61E-09	Undiff-G	CFDP1
CELF2	1.09E-13	-0.3516	0.051	0.387	1.63E-09	Undiff-G	CELF2
STMN4	1.10E-13	-1.13275	0.007	0.309	1.65E-09	Undiff-G	STMN4
NME3	1.13E-13	-0.27224	0.066	0.421	1.69E-09	Undiff-G	NME3
PITHD1	1.14E-13	-0.48522	0.029	0.35	1.70E-09	Undiff-G	PITHD1
TMEM256	1.14E-13	-0.10711	0.074	0.434	1.71E-09	Undiff-G	TMEM256
RDH11	1.16E-13	-0.12792	0.051	0.392	1.73E-09	Undiff-G	RDH11



PAPSS1	1.16E-13	-0.75276	0	0.298	1.73E-09	Undiff-G	PAPSS1
APEX1	1.16E-13	0.261685	0.125	0.542	1.74E-09	Undiff-G	APEX1
NUDT1	1.16E-13	-0.40718	0.029	0.354	1.74E-09	Undiff-G	NUDT1
PMF1	1.17E-13	-0.79635	0.015	0.324	1.74E-09	Undiff-G	PMF1
ITFG1	1.17E-13	-0.43573	0.029	0.352	1.75E-09	Undiff-G	ITFG1
PFDN4	1.17E-13	-0.50549	0.037	0.363	1.75E-09	Undiff-G	PFDN4
SDF2L1	1.22E-13	-0.5808	0.037	0.364	1.82E-09	Undiff-G	SDF2L1
RNF11	1.25E-13	-0.66524	0.007	0.311	1.88E-09	Undiff-G	RNF11
C14orf166	1.26E-13	0.316878	0.154	0.59	1.89E-09	Undiff-G	C14orf166
HNRNPH2	1.28E-13	-0.11388	0.059	0.404	1.91E-09	Undiff-G	HNRNPH2
SSB	1.32E-13	0.231751	0.154	0.597	1.97E-09	Undiff-G	SSB
C11orf31	1.32E-13	0.301167	0.191	0.673	1.98E-09	Undiff-G	C11orf31
TUSC2	1.34E-13	-0.55447	0.022	0.339	2.00E-09	Undiff-G	TUSC2
NSMCE1	1.38E-13	-0.12493	0.059	0.408	2.07E-09	Undiff-G	NSMCE1
GOLGA4	1.40E-13	-0.45981	0.029	0.35	2.09E-09	Undiff-G	GOLGA4
MRFAP1	1.41E-13	0.27132	0.191	0.676	2.10E-09	Undiff-G	MRFAP1
TMEM30A	1.41E-13	-0.64443	0.022	0.338	2.11E-09	Undiff-G	TMEM30A
ARF6	1.42E-13	-0.55584	0.029	0.347	2.12E-09	Undiff-G	ARF6
STMN3	1.44E-13	-0.63234	0.007	0.31	2.15E-09	Undiff-G	STMN3
AAMP	1.45E-13	-0.19465	0.074	0.431	2.17E-09	Undiff-G	AAMP
LY86	1.50E-13	-1.23079	0	0.296	2.24E-09	Undiff-G	LY86
CBX5	1.51E-13	-0.44018	0.029	0.348	2.25E-09	Undiff-G	CBX5
TMEM183A	1.53E-13	-0.67947	0	0.295	2.29E-09	Undiff-G	TMEM183A
CAPRIN1	1.58E-13	-0.50512	0.015	0.324	2.35E-09	Undiff-G	CAPRIN1
YWHAG	1.58E-13	-0.18299	0.051	0.394	2.36E-09	Undiff-G	YWHAG
PHF20	1.59E-13	-0.4945	0.015	0.324	2.38E-09	Undiff-G	PHF20
STK25	1.63E-13	-0.6986	0.007	0.306	2.44E-09	Undiff-G	STK25
U2SURP	1.74E-13	-0.496	0.044	0.373	2.59E-09	Undiff-G	U2SURP
MYL12A	1.78E-13	0.163866	0.132	0.548	2.66E-09	Undiff-G	MYL12A
ANKRD12	1.78E-13	-0.3046	0.074	0.43	2.67E-09	Undiff-G	ANKRD12
TMEM261	1.79E-13	-0.25849	0.037	0.364	2.68E-09	Undiff-G	TMEM261
MSN	1.81E-13	-0.22997	0.044	0.379	2.70E-09	Undiff-G	MSN
VTI1B	1.81E-13	-0.40391	0.029	0.35	2.70E-09	Undiff-G	VTI1B
MTFR1L	1.84E-13	-0.72159	0	0.294	2.74E-09	Undiff-G	MTFR1L
HCLS1	1.85E-13	-1.16703	0	0.294	2.77E-09	Undiff-G	HCLS1
C20orf27	1.86E-13	-0.36657	0.037	0.364	2.78E-09	Undiff-G	C20orf27
CWC15	1.87E-13	0.271136	0.103	0.492	2.80E-09	Undiff-G	CWC15
AKR7A2	1.89E-13	-0.53367	0.015	0.318	2.82E-09	Undiff-G	AKR7A2
TOMM40	1.90E-13	-0.68038	0.022	0.331	2.84E-09	Undiff-G	TOMM40
CDC42SE1	1.91E-13	-0.77956	0.007	0.307	2.86E-09	Undiff-G	CDC42SE1
TXNL4A	1.92E-13	-0.15652	0.066	0.414	2.87E-09	Undiff-G	TXNL4A
VBP1	1.93E-13	0.247106	0.103	0.491	2.89E-09	Undiff-G	VBP1
EIF4E2	1.98E-13	-0.40209	0.022	0.336	2.97E-09	Undiff-G	EIF4E2
EBPL	2.04E-13	-0.69743	0.007	0.306	3.05E-09	Undiff-G	EBPL
MS4A7	2.08E-13	-0.86702	0.022	0.336	3.11E-09	Undiff-G	MS4A7
CCDC50	2.10E-13	-0.73004	0.007	0.303	3.13E-09	Undiff-G	CCDC50
MPG	2.12E-13	-0.36976	0.029	0.349	3.17E-09	Undiff-G	MPG
COMMD3	2.13E-13	-0.41935	0.037	0.358	3.18E-09	Undiff-G	COMMD3
TCEAL4	2.18E-13	0.244815	0.147	0.576	3.26E-09	Undiff-G	TCEAL4
ELAVL1	2.20E-13	-0.42676	0.029	0.348	3.28E-09	Undiff-G	ELAVL1
C1QA	2.24E-13	-0.322	0.14	0.542	3.34E-09	Undiff-G	C1QA

ARMCX3	2. 27E-13	0. 125059	0. 074	0. 434	3. 40E-09	Undiff-G	ARMCX3
TTC1	2. 28E-13	-0. 11654	0. 044	0. 377	3. 40E-09	Undiff-G	TTC1
SRP72	2. 30E-13	-0. 10052	0. 088	0. 463	3. 43E-09	Undiff-G	SRP72
IDH1	2. 35E-13	-0. 39134	0. 051	0. 384	3. 52E-09	Undiff-G	IDH1
SHARPIN	2. 36E-13	-0. 7071	0. 007	0. 305	3. 53E-09	Undiff-G	SHARPIN
DNASE2	2. 41E-13	-0. 46131	0. 051	0. 387	3. 60E-09	Undiff-G	DNASE2
FKBP2	2. 45E-13	0. 299289	0. 154	0. 595	3. 66E-09	Undiff-G	FKBP2
NHP2	2. 49E-13	0. 300994	0. 154	0. 585	3. 73E-09	Undiff-G	NHP2
MMP24-AS1	2. 51E-13	-0. 65114	0. 015	0. 315	3. 75E-09	Undiff-G	MMP24-AS1
CCL4	2. 59E-13	-1. 01195	0. 022	0. 328	3. 87E-09	Undiff-G	CCL4
ATP2B1	2. 64E-13	-0. 36009	0. 037	0. 358	3. 94E-09	Undiff-G	ATP2B1
SCP2	2. 69E-13	0. 226488	0. 154	0. 589	4. 02E-09	Undiff-G	SCP2
SYNCRIP	2. 72E-13	-0. 19775	0. 051	0. 387	4. 07E-09	Undiff-G	SYNCRIP
SARS	2. 74E-13	0. 136066	0. 081	0. 447	4. 10E-09	Undiff-G	SARS
ATP50	2. 82E-13	0. 354987	0. 243	0. 756	4. 22E-09	Undiff-G	ATP50
PSMC4	2. 92E-13	0. 122347	0. 11	0. 499	4. 36E-09	Undiff-G	PSMC4
CD53	2. 94E-13	-0. 97879	0. 015	0. 319	4. 39E-09	Undiff-G	CD53
PTPRA	3. 01E-13	-0. 67009	0. 037	0. 358	4. 50E-09	Undiff-G	PTPRA
RSL1D1	3. 07E-13	0. 136421	0. 11	0. 501	4. 58E-09	Undiff-G	RSL1D1
TTC19	3. 14E-13	-0. 29945	0. 037	0. 36	4. 69E-09	Undiff-G	TTC19
DNAJC8	3. 16E-13	0. 29912	0. 14	0. 556	4. 72E-09	Undiff-G	DNAJC8
RAD21	3. 19E-13	-0. 40152	0. 044	0. 37	4. 77E-09	Undiff-G	RAD21
EPB41L2	3. 24E-13	-0. 83633	0. 015	0. 314	4. 85E-09	Undiff-G	EPB41L2
SDHC	3. 25E-13	0. 300841	0. 14	0. 562	4. 85E-09	Undiff-G	SDHC
PSMB2	3. 25E-13	0. 294069	0. 147	0. 579	4. 85E-09	Undiff-G	PSMB2
DDRGK1	3. 26E-13	-0. 18616	0. 074	0. 422	4. 87E-09	Undiff-G	DDRGK1
RAB5A	3. 40E-13	0. 102243	0. 088	0. 452	5. 08E-09	Undiff-G	RAB5A
SYNGR2	3. 42E-13	-0. 66893	0. 022	0. 332	5. 12E-09	Undiff-G	SYNGR2
PCM1	3. 43E-13	-0. 65057	0. 022	0. 327	5. 12E-09	Undiff-G	PCM1
ALKBH5	3. 44E-13	-0. 64013	0. 022	0. 327	5. 14E-09	Undiff-G	ALKBH5
RNH1	3. 52E-13	0. 243793	0. 132	0. 542	5. 26E-09	Undiff-G	RNH1
FDPS	3. 71E-13	-0. 16346	0. 074	0. 42	5. 54E-09	Undiff-G	FDPS
SLBP	3. 72E-13	-0. 68851	0. 015	0. 314	5. 55E-09	Undiff-G	SLBP
CITED2	3. 81E-13	-0. 59114	0. 037	0. 356	5. 70E-09	Undiff-G	CITED2
FPR1	3. 85E-13	-1. 23109	0	0. 288	5. 76E-09	Undiff-G	FPR1
PHB	3. 88E-13	0. 317246	0. 14	0. 559	5. 80E-09	Undiff-G	PHB
TSC22D4	3. 90E-13	-0. 31851	0. 103	0. 474	5. 83E-09	Undiff-G	TSC22D4
FXR1	3. 92E-13	-0. 40692	0. 022	0. 33	5. 86E-09	Undiff-G	FXR1
MAGEF1	3. 95E-13	-0. 29463	0. 044	0. 367	5. 91E-09	Undiff-G	MAGEF1
SRSF7	4. 05E-13	0. 257709	0. 162	0. 595	6. 05E-09	Undiff-G	SRSF7
IRS2	4. 05E-13	-0. 34074	0. 037	0. 352	6. 06E-09	Undiff-G	IRS2
SLC22A17	4. 19E-13	-0. 74583	0	0. 287	6. 26E-09	Undiff-G	SLC22A17
TSN	4. 36E-13	-0. 1231	0. 051	0. 381	6. 52E-09	Undiff-G	TSN
HSP90B1	4. 63E-13	0. 290917	0. 199	0. 663	6. 91E-09	Undiff-G	HSP90B1
IFITM2	4. 70E-13	-1. 08715	0	0. 286	7. 03E-09	Undiff-G	IFITM2
HLA-B	4. 84E-13	1. 001428	0. 684	0. 854	7. 23E-09	Undiff-G	HLA-B
DCAF7	4. 85E-13	-0. 51017	0. 022	0. 324	7. 25E-09	Undiff-G	DCAF7
NUBP2	4. 87E-13	-0. 13571	0. 051	0. 385	7. 27E-09	Undiff-G	NUBP2
USP11	4. 91E-13	-0. 3748	0. 037	0. 356	7. 33E-09	Undiff-G	USP11
VKORC1	5. 10E-13	0. 298952	0. 11	0. 501	7. 63E-09	Undiff-G	VKORC1
LGMN	5. 11E-13	-0. 41305	0. 037	0. 354	7. 64E-09	Undiff-G	LGMN

TM9SF2	5.19E-13	-0.23133	0.029	0.343	7.76E-09	Undiff-G	TM9SF2
GLRX5	5.31E-13	-0.50988	0.007	0.3	7.94E-09	Undiff-G	GLRX5
BPTF	5.33E-13	-0.49971	0.015	0.314	7.96E-09	Undiff-G	BPTF
APPL1	5.53E-13	-0.69164	0.007	0.299	8.26E-09	Undiff-G	APPL1
UQCRH	5.57E-13	0.277688	0.25	0.787	8.32E-09	Undiff-G	UQCRH
GPS1	5.64E-13	-0.36903	0.022	0.328	8.44E-09	Undiff-G	GPS1
NELFCD	5.76E-13	-0.54549	0.029	0.34	8.61E-09	Undiff-G	NELFCD
CTSH	5.82E-13	-0.87119	0.007	0.299	8.69E-09	Undiff-G	CTSH
ZNF580	5.85E-13	-0.71146	0.007	0.295	8.75E-09	Undiff-G	ZNF580
ATP6V1G1	5.92E-13	0.302401	0.243	0.76	8.84E-09	Undiff-G	ATP6V1G1
DGCR6L	5.92E-13	-0.59874	0.029	0.339	8.85E-09	Undiff-G	DGCR6L
G6PC3	5.93E-13	-0.33204	0.037	0.351	8.86E-09	Undiff-G	G6PC3
PRPF31	5.95E-13	-0.21745	0.059	0.396	8.90E-09	Undiff-G	PRPF31
TMEM134	5.99E-13	-0.40323	0.015	0.313	8.95E-09	Undiff-G	TMEM134
AK1	6.02E-13	-0.45739	0.029	0.339	9.00E-09	Undiff-G	AK1
CYB5B	6.04E-13	-0.29692	0.029	0.341	9.02E-09	Undiff-G	CYB5B
HRAS	6.13E-13	-0.66135	0.007	0.297	9.16E-09	Undiff-G	HRAS
MEST	6.20E-13	-0.40929	0.059	0.39	9.27E-09	Undiff-G	MEST
SAR1B	6.35E-13	-0.37578	0.022	0.326	9.48E-09	Undiff-G	SAR1B
CAMTA1	6.52E-13	0.281027	0.088	0.453	9.74E-09	Undiff-G	CAMTA1
TMED3	6.62E-13	-0.53429	0.015	0.311	9.90E-09	Undiff-G	TMED3
SLC52A2	6.65E-13	-0.67166	0	0.283	9.93E-09	Undiff-G	SLC52A2
STK17A	6.73E-13	-0.74154	0.007	0.297	1.01E-08	Undiff-G	STK17A
PDCD2	6.83E-13	-0.45819	0.007	0.298	1.02E-08	Undiff-G	PDCD2
LINC00657	6.86E-13	-0.32724	0.029	0.335	1.02E-08	Undiff-G	LINC00657
SNRPD2	7.00E-13	0.364122	0.235	0.754	1.05E-08	Undiff-G	SNRPD2
IFRD1	7.10E-13	0.187077	0.11	0.492	1.06E-08	Undiff-G	IFRD1
NR1H2	7.15E-13	-0.72891	0.015	0.307	1.07E-08	Undiff-G	NR1H2
SPNS1	7.16E-13	-0.67504	0.007	0.294	1.07E-08	Undiff-G	SPNS1
NDUFC2	7.22E-13	0.356016	0.235	0.759	1.08E-08	Undiff-G	NDUFC2
CUEDC2	7.23E-13	-0.21287	0.066	0.404	1.08E-08	Undiff-G	CUEDC2
DDX39A	7.28E-13	-0.12421	0.059	0.396	1.09E-08	Undiff-G	DDX39A
ITM2C	7.29E-13	-0.10158	0.074	0.421	1.09E-08	Undiff-G	ITM2C
IGFBP2	7.48E-13	-0.60728	0.051	0.378	1.12E-08	Undiff-G	IGFBP2
NT5C3B	7.64E-13	-0.27662	0.029	0.335	1.14E-08	Undiff-G	NT5C3B
POLR2J	7.74E-13	0.295653	0.191	0.649	1.16E-08	Undiff-G	POLR2J
MINOS1	7.79E-13	0.295433	0.184	0.645	1.16E-08	Undiff-G	MINOS1
ARF1	7.85E-13	0.379545	0.213	0.7	1.17E-08	Undiff-G	ARF1
CCDC12	7.90E-13	-0.16063	0.081	0.434	1.18E-08	Undiff-G	CCDC12
WNK1	7.93E-13	-0.72342	0	0.282	1.19E-08	Undiff-G	WNK1
MPST	8.13E-13	-0.64451	0.015	0.31	1.21E-08	Undiff-G	MPST
BAG6	8.32E-13	-0.30802	0.029	0.335	1.24E-08	Undiff-G	BAG6
AZIN1	8.39E-13	-0.53283	0.029	0.333	1.25E-08	Undiff-G	AZIN1
RHBDD2	8.44E-13	0.21922	0.096	0.463	1.26E-08	Undiff-G	RHBDD2
CPVL	8.46E-13	-0.44513	0.037	0.352	1.26E-08	Undiff-G	CPVL
RNF7	8.49E-13	0.11692	0.132	0.537	1.27E-08	Undiff-G	RNF7
SUGT1	8.49E-13	-0.21571	0.037	0.348	1.27E-08	Undiff-G	SUGT1
VIMP	8.56E-13	0.244066	0.096	0.46	1.28E-08	Undiff-G	VIMP
MCL1	8.68E-13	0.254964	0.169	0.603	1.30E-08	Undiff-G	MCL1
RAB7A	8.72E-13	0.301002	0.199	0.664	1.30E-08	Undiff-G	RAB7A
ERLEC1	9.02E-13	-0.17095	0.044	0.365	1.35E-08	Undiff-G	ERLEC1

SLC16A3	9.16E-13	-0.57964	0.022	0.324	1.37E-08	Undiff-G	SLC16A3
UFD1L	9.25E-13	-0.31848	0.029	0.334	1.38E-08	Undiff-G	UFD1L
HSPA9	9.39E-13	0.239733	0.11	0.492	1.40E-08	Undiff-G	HSPA9
GAA	9.53E-13	-0.54575	0.022	0.323	1.42E-08	Undiff-G	GAA
SPATS2L	9.55E-13	-0.58829	0.029	0.335	1.43E-08	Undiff-G	SPATS2L
DNAJA2	9.66E-13	-0.34027	0.029	0.333	1.44E-08	Undiff-G	DNAJA2
ZC3H13	9.67E-13	-0.12133	0.029	0.337	1.45E-08	Undiff-G	ZC3H13
OSTF1	9.67E-13	-0.78296	0.007	0.295	1.45E-08	Undiff-G	OSTF1
PDIA4	9.72E-13	0.187915	0.096	0.466	1.45E-08	Undiff-G	PDIA4
SYT11	9.72E-13	-0.1676	0.059	0.388	1.45E-08	Undiff-G	SYT11
FDX1	9.80E-13	-0.36436	0.015	0.309	1.46E-08	Undiff-G	FDX1
BID	1.01E-12	-0.19749	0.044	0.36	1.51E-08	Undiff-G	BID
CD37	1.01E-12	-0.95965	0.015	0.304	1.51E-08	Undiff-G	CD37
S100A6	1.04E-12	1.275746	0.625	0.644	1.55E-08	Undiff-G	S100A6
RTCB	1.05E-12	-0.10108	0.029	0.337	1.58E-08	Undiff-G	RTCB
MPHOSPH6	1.05E-12	-0.61121	0.007	0.294	1.58E-08	Undiff-G	MPHOSPH6
ADH5	1.05E-12	0.112282	0.059	0.393	1.58E-08	Undiff-G	ADH5
IGBP1	1.06E-12	-0.30105	0.037	0.349	1.59E-08	Undiff-G	IGBP1
TM2D1	1.08E-12	-0.1223	0.059	0.39	1.62E-08	Undiff-G	TM2D1
GNAQ	1.09E-12	-0.70004	0.007	0.29	1.62E-08	Undiff-G	GNAQ
C4orf27	1.10E-12	-0.33285	0.022	0.322	1.64E-08	Undiff-G	C4orf27
TSR3	1.11E-12	-0.65075	0	0.279	1.65E-08	Undiff-G	TSR3
CD163	1.13E-12	-1.15384	0	0.279	1.69E-08	Undiff-G	CD163
IIFT20	1.14E-12	-0.39179	0.037	0.348	1.71E-08	Undiff-G	IIFT20
ETF1	1.15E-12	-0.31357	0.037	0.349	1.72E-08	Undiff-G	ETF1
RGS19	1.17E-12	-0.83951	0	0.279	1.74E-08	Undiff-G	RGS19
QDPR	1.17E-12	-0.17843	0.044	0.364	1.75E-08	Undiff-G	QDPR
POMP	1.19E-12	0.288517	0.235	0.741	1.78E-08	Undiff-G	POMP
MVB12A	1.20E-12	-0.69403	0.015	0.305	1.80E-08	Undiff-G	MVB12A
ADAM9	1.22E-12	-0.36489	0.029	0.333	1.82E-08	Undiff-G	ADAM9
GOLIM4	1.23E-12	-0.57379	0.029	0.33	1.83E-08	Undiff-G	GOLIM4
RNASE6	1.23E-12	-1.14846	0	0.278	1.83E-08	Undiff-G	RNASE6
TOMM20	1.24E-12	0.305258	0.125	0.521	1.85E-08	Undiff-G	TOMM20
POLR2I	1.24E-12	0.239852	0.147	0.557	1.85E-08	Undiff-G	POLR2I
ISG15	1.25E-12	-0.46539	0.044	0.36	1.87E-08	Undiff-G	ISG15
SMIM12	1.27E-12	-0.59539	0.015	0.306	1.89E-08	Undiff-G	SMIM12
PSMD12	1.27E-12	-0.21951	0.037	0.346	1.89E-08	Undiff-G	PSMD12
DNTTIP1	1.28E-12	-0.38892	0.029	0.333	1.91E-08	Undiff-G	DNTTIP1
GAMT	1.28E-12	-0.46816	0.015	0.303	1.92E-08	Undiff-G	GAMT
PDHA1	1.31E-12	-0.43563	0.015	0.306	1.96E-08	Undiff-G	PDHA1
REL	1.32E-12	-0.76668	0.015	0.301	1.97E-08	Undiff-G	REL
ATF3	1.33E-12	-0.8308	0.015	0.305	1.99E-08	Undiff-G	ATF3
CDH2	1.34E-12	-0.72235	0.007	0.287	2.00E-08	Undiff-G	CDH2
YTHDC1	1.34E-12	-0.56799	0.015	0.305	2.00E-08	Undiff-G	YTHDC1
C10orf54	1.34E-12	-1.05681	0.007	0.291	2.01E-08	Undiff-G	C10orf54
TRAPPC4	1.36E-12	0.287608	0.088	0.449	2.04E-08	Undiff-G	TRAPPC4
ZNF331	1.36E-12	-0.62152	0.022	0.319	2.04E-08	Undiff-G	ZNF331
PPM1B	1.38E-12	-0.65766	0.015	0.304	2.06E-08	Undiff-G	PPM1B
PPP1R10	1.38E-12	-0.7369	0.007	0.291	2.06E-08	Undiff-G	PPP1R10
SGTA	1.41E-12	-0.49436	0.022	0.319	2.11E-08	Undiff-G	SGTA
DBN1	1.43E-12	-0.69357	0.022	0.315	2.14E-08	Undiff-G	DBN1

FKBP3	1.44E-12	0.131798	0.11	0.481	2.16E-08	Undiff-G	FKBP3
PPP1R14B	1.45E-12	-0.27224	0.037	0.348	2.17E-08	Undiff-G	PPP1R14B
TACC1	1.48E-12	-0.61079	0.022	0.316	2.21E-08	Undiff-G	TACC1
HCST	1.50E-12	-1.15316	0.007	0.288	2.24E-08	Undiff-G	HCST
IRF2BP2	1.52E-12	-0.44558	0.022	0.319	2.27E-08	Undiff-G	IRF2BP2
EBNA1BP2	1.52E-12	-0.13832	0.044	0.357	2.27E-08	Undiff-G	EBNA1BP2
RBBP7	1.57E-12	0.112863	0.081	0.428	2.34E-08	Undiff-G	RBBP7
NR4A1	1.62E-12	-1.00224	0	0.276	2.42E-08	Undiff-G	NR4A1
PAFAH1B2	1.63E-12	-0.63452	0.029	0.329	2.44E-08	Undiff-G	PAFAH1B2
CD2BP2	1.64E-12	-0.35267	0.029	0.332	2.45E-08	Undiff-G	CD2BP2
AMZ2	1.68E-12	-0.12657	0.059	0.384	2.51E-08	Undiff-G	AMZ2
SNRPG	1.70E-12	0.352002	0.191	0.645	2.54E-08	Undiff-G	SNRPG
WDR18	1.73E-12	-0.64935	0.007	0.289	2.58E-08	Undiff-G	WDR18
SCAF11	1.74E-12	0.104522	0.066	0.4	2.60E-08	Undiff-G	SCAF11
NAA50	1.80E-12	-0.69276	0	0.275	2.69E-08	Undiff-G	NAA50
ATP6V1D	1.81E-12	-0.11371	0.051	0.374	2.70E-08	Undiff-G	ATP6V1D
UBE2R2	1.81E-12	-0.34337	0.007	0.289	2.71E-08	Undiff-G	UBE2R2
EMC8	1.82E-12	-0.64362	0	0.275	2.71E-08	Undiff-G	EMC8
SMC3	1.85E-12	-0.69311	0.007	0.289	2.76E-08	Undiff-G	SMC3
YIF1A	1.87E-12	0.203818	0.081	0.428	2.80E-08	Undiff-G	YIF1A
EIF4A2	1.88E-12	0.179411	0.228	0.725	2.80E-08	Undiff-G	EIF4A2
ROCK1	1.90E-12	-0.6696	0.022	0.312	2.84E-08	Undiff-G	ROCK1
GTF2B	1.92E-12	-0.38661	0.015	0.303	2.86E-08	Undiff-G	GTF2B
CTSC	1.96E-12	-0.31931	0.059	0.388	2.93E-08	Undiff-G	CTSC
CDIPT	1.97E-12	-0.52294	0.007	0.289	2.94E-08	Undiff-G	CDIPT
G3BP1	1.97E-12	-0.34917	0.022	0.317	2.95E-08	Undiff-G	G3BP1
COPA	2.04E-12	-0.51615	0.022	0.316	3.05E-08	Undiff-G	COPA
SLC44A1	2.09E-12	-0.38022	0.022	0.317	3.12E-08	Undiff-G	SLC44A1
SCNM1	2.10E-12	-0.354	0.037	0.343	3.14E-08	Undiff-G	SCNM1
PHF5A	2.11E-12	-0.16863	0.029	0.331	3.16E-08	Undiff-G	PHF5A
PFDN6	2.11E-12	-0.22952	0.044	0.356	3.16E-08	Undiff-G	PFDN6
TPP1	2.12E-12	-0.46871	0.029	0.326	3.17E-08	Undiff-G	TPP1
LST1	2.15E-12	-0.7933	0.022	0.316	3.21E-08	Undiff-G	LST1
NAE1	2.19E-12	-0.15956	0.037	0.344	3.27E-08	Undiff-G	NAE1
PSMG3	2.20E-12	-0.26313	0.029	0.33	3.28E-08	Undiff-G	PSMG3
NFIA	2.27E-12	-0.37208	0.059	0.383	3.39E-08	Undiff-G	NFIA
HLA-DQB1	2.30E-12	-0.80355	0.029	0.329	3.44E-08	Undiff-G	HLA-DQB1
9-Sep	2.33E-12	-0.21624	0.037	0.344	3.48E-08	Undiff-G	9-Sep
BAZ2B	2.34E-12	-0.62994	0.029	0.324	3.50E-08	Undiff-G	BAZ2B
FXVD5	2.36E-12	-0.50631	0.037	0.344	3.53E-08	Undiff-G	FXVD5
ABCF1	2.38E-12	-0.60779	0.007	0.287	3.56E-08	Undiff-G	ABCF1
PMVK	2.40E-12	0.110066	0.088	0.441	3.58E-08	Undiff-G	PMVK
TMEM176B	2.40E-12	-0.66385	0.044	0.356	3.59E-08	Undiff-G	TMEM176B
PNMA1	2.42E-12	-0.64145	0.007	0.287	3.61E-08	Undiff-G	PNMA1
TMEM14B	2.54E-12	0.290342	0.132	0.53	3.80E-08	Undiff-G	TMEM14B
TSSC4	2.58E-12	-0.11473	0.022	0.315	3.85E-08	Undiff-G	TSSC4
NDUFA6	2.61E-12	0.308124	0.162	0.576	3.90E-08	Undiff-G	NDUFA6
ARL2	2.64E-12	0.136344	0.088	0.442	3.95E-08	Undiff-G	ARL2
LIPA	2.65E-12	-0.39064	0.037	0.338	3.96E-08	Undiff-G	LIPA
TNRC6B	2.65E-12	-0.39687	0.044	0.356	3.97E-08	Undiff-G	TNRC6B
CRELD2	2.67E-12	-0.62287	0.007	0.286	3.99E-08	Undiff-G	CRELD2

CUTA	2.68E-12	0.359403	0.206	0.687	4.00E-08	Undiff-G	CUTA
EPN1	2.81E-12	-0.23252	0.037	0.338	4.19E-08	Undiff-G	EPN1
PPP2CB	2.86E-12	-0.43161	0.015	0.3	4.27E-08	Undiff-G	PPP2CB
BAZ1A	2.89E-12	-0.41543	0.029	0.323	4.32E-08	Undiff-G	BAZ1A
ACTN4	2.92E-12	-0.48228	0.037	0.336	4.36E-08	Undiff-G	ACTN4
ITGAV	2.93E-12	-0.68944	0.007	0.282	4.38E-08	Undiff-G	ITGAV
IDI1	2.99E-12	-0.40408	0.029	0.327	4.47E-08	Undiff-G	IDI1
BNIP3L	3.01E-12	0.390817	0.169	0.604	4.50E-08	Undiff-G	BNIP3L
BRMS1	3.02E-12	-0.2635	0.022	0.314	4.51E-08	Undiff-G	BRMS1
PRPSAP1	3.09E-12	-0.52423	0.022	0.309	4.62E-08	Undiff-G	PRPSAP1
DST	3.14E-12	-0.52624	0.059	0.38	4.69E-08	Undiff-G	DST
C1D	3.29E-12	-0.4336	0.022	0.313	4.92E-08	Undiff-G	C1D
PSMB7	3.35E-12	0.332914	0.191	0.645	5.01E-08	Undiff-G	PSMB7
PRKAG1	3.38E-12	-0.66473	0.015	0.297	5.06E-08	Undiff-G	PRKAG1
FLYWCH2	3.41E-12	-0.23336	0.022	0.313	5.10E-08	Undiff-G	FLYWCH2
TXNDC12	3.45E-12	0.169995	0.088	0.436	5.15E-08	Undiff-G	TXNDC12
BUB3	3.54E-12	-0.6029	0.022	0.311	5.29E-08	Undiff-G	BUB3
MANF	3.55E-12	0.243476	0.096	0.455	5.31E-08	Undiff-G	MANF
PSMD6	3.56E-12	-0.25321	0.044	0.354	5.32E-08	Undiff-G	PSMD6
DENR	3.63E-12	-0.54832	0.029	0.324	5.42E-08	Undiff-G	DENR
KIF1B	3.64E-12	-0.64248	0.015	0.297	5.44E-08	Undiff-G	KIF1B
AHCY	3.74E-12	-0.4565	0.015	0.297	5.59E-08	Undiff-G	AHCY
TGIF1	3.81E-12	-0.24061	0.051	0.361	5.70E-08	Undiff-G	TGIF1
CCDC47	3.82E-12	0.183964	0.074	0.408	5.70E-08	Undiff-G	CCDC47
NCBP2-AS2	3.85E-12	-0.64665	0.007	0.28	5.76E-08	Undiff-G	NCBP2-AS2
MYL12B	3.91E-12	0.380759	0.235	0.733	5.85E-08	Undiff-G	MYL12B
ATAT1	3.92E-12	-0.72167	0.015	0.292	5.85E-08	Undiff-G	ATAT1
SMARCA4	3.93E-12	-0.3173	0.051	0.365	5.88E-08	Undiff-G	SMARCA4
GARS	3.93E-12	-0.6337	0.015	0.296	5.88E-08	Undiff-G	GARS
SAFB2	4.04E-12	-0.37263	0.037	0.335	6.04E-08	Undiff-G	SAFB2
DPM1	4.25E-12	0.164174	0.059	0.382	6.35E-08	Undiff-G	DPM1
NT5C	4.34E-12	-0.46619	0.029	0.323	6.48E-08	Undiff-G	NT5C
METAP2	4.37E-12	0.336281	0.11	0.474	6.52E-08	Undiff-G	METAP2
ZCRB1	4.37E-12	0.398919	0.118	0.495	6.53E-08	Undiff-G	ZCRB1
PPP1R18	4.38E-12	-0.62754	0.015	0.296	6.55E-08	Undiff-G	PPP1R18
HNRNPK	4.50E-12	0.269867	0.265	0.795	6.72E-08	Undiff-G	HNRNPK
C1QC	4.51E-12	-0.2559	0.132	0.506	6.74E-08	Undiff-G	C1QC
MEAF6	4.61E-12	0.222722	0.11	0.481	6.89E-08	Undiff-G	MEAF6
FCGR2A	4.67E-12	-0.9607	0.015	0.292	6.98E-08	Undiff-G	FCGR2A
CORO1C	4.71E-12	-0.19817	0.059	0.377	7.04E-08	Undiff-G	CORO1C
ACTR1A	4.73E-12	-0.4277	0.007	0.281	7.07E-08	Undiff-G	ACTR1A
HNRNPH1	4.75E-12	-0.10059	0.103	0.461	7.09E-08	Undiff-G	HNRNPH1
FYTTD1	4.79E-12	-0.4494	0.015	0.292	7.15E-08	Undiff-G	FYTTD1
HLA-DMB	4.80E-12	-0.6124	0.029	0.324	7.17E-08	Undiff-G	HLA-DMB
KLHDC2	4.84E-12	-0.4769	0.022	0.305	7.23E-08	Undiff-G	KLHDC2
NDUFS6	4.99E-12	0.334954	0.191	0.633	7.45E-08	Undiff-G	NDUFS6
EIF3A	4.99E-12	-0.4621	0.037	0.336	7.46E-08	Undiff-G	EIF3A
SPCS1	5.01E-12	0.418368	0.235	0.742	7.48E-08	Undiff-G	SPCS1
MYCBP2	5.29E-12	-0.44783	0.022	0.308	7.91E-08	Undiff-G	MYCBP2
HLA-DMA	5.44E-12	-0.39987	0.081	0.412	8.14E-08	Undiff-G	HLA-DMA
NSL1	5.45E-12	-0.18995	0.044	0.35	8.15E-08	Undiff-G	NSL1

RNF126	5.48E-12	-0.56788	0.015	0.294	8.20E-08	Undiff-G	RNF126
LAMP2	5.50E-12	0.11926	0.11	0.475	8.22E-08	Undiff-G	LAMP2
DDR1	5.57E-12	-0.50821	0.037	0.335	8.33E-08	Undiff-G	DDR1
HADHB	5.59E-12	0.244269	0.103	0.465	8.35E-08	Undiff-G	HADHB
SLC11A1	5.61E-12	-0.57036	0.022	0.309	8.38E-08	Undiff-G	SLC11A1
RSBN1L	5.70E-12	-0.21018	0.051	0.358	8.51E-08	Undiff-G	RSBN1L
TSPAN5	5.74E-12	-0.6795	0	0.265	8.58E-08	Undiff-G	TSPAN5
CHPT1	5.85E-12	-0.59441	0.022	0.306	8.75E-08	Undiff-G	CHPT1
RAB18	5.88E-12	0.159215	0.074	0.402	8.79E-08	Undiff-G	RAB18
PNPLA8	5.94E-12	0.153671	0.044	0.351	8.88E-08	Undiff-G	PNPLA8
FAM173A	5.95E-12	-0.60369	0.015	0.29	8.90E-08	Undiff-G	FAM173A
ZFAS1	6.00E-12	0.336542	0.221	0.703	8.97E-08	Undiff-G	ZFAS1
MAP2	6.04E-12	-0.50016	0.044	0.341	9.02E-08	Undiff-G	MAP2
ZEB2	6.08E-12	-0.54723	0.022	0.307	9.08E-08	Undiff-G	ZEB2
C19orf70	6.08E-12	0.255502	0.169	0.583	9.09E-08	Undiff-G	C19orf70
SH3GLB1	6.09E-12	0.111932	0.088	0.434	9.10E-08	Undiff-G	SH3GLB1
RRAGA	6.25E-12	0.337407	0.066	0.393	9.35E-08	Undiff-G	RRAGA
ZBTB20	6.26E-12	-0.38174	0.066	0.389	9.36E-08	Undiff-G	ZBTB20
DNAJC19	6.26E-12	0.206327	0.066	0.393	9.36E-08	Undiff-G	DNAJC19
MAGED1	6.36E-12	-0.21153	0.044	0.348	9.51E-08	Undiff-G	MAGED1
SKIL	6.37E-12	-0.54797	0.015	0.289	9.53E-08	Undiff-G	SKIL
UBE2S	6.40E-12	-0.33794	0.044	0.348	9.57E-08	Undiff-G	UBE2S
BCAP29	6.41E-12	-0.39213	0.029	0.32	9.58E-08	Undiff-G	BCAP29
SCRG1	6.41E-12	-0.33101	0.044	0.349	9.59E-08	Undiff-G	SCRG1
BEX1	6.53E-12	-0.46363	0.051	0.354	9.76E-08	Undiff-G	BEX1
ZNF22	6.60E-12	-0.53022	0.007	0.279	9.86E-08	Undiff-G	ZNF22
ITGB1BP1	6.60E-12	0.12524	0.066	0.39	9.86E-08	Undiff-G	ITGB1BP1
DYNC1LI2	6.65E-12	-0.31099	0.044	0.348	9.94E-08	Undiff-G	DYNC1LI2
CYB5A	6.68E-12	-0.11863	0.044	0.345	9.99E-08	Undiff-G	CYB5A
MAGEH1	6.88E-12	-0.19051	0.029	0.321	1.03E-07	Undiff-G	MAGEH1
CCDC112	6.95E-12	-0.65195	0	0.264	1.04E-07	Undiff-G	CCDC112
CCND2	7.00E-12	-0.49316	0.037	0.33	1.05E-07	Undiff-G	CCND2
UBE3A	7.03E-12	-0.6154	0.015	0.29	1.05E-07	Undiff-G	UBE3A
AKAP9	7.07E-12	0.100564	0.103	0.454	1.06E-07	Undiff-G	AKAP9
CHURC1	7.28E-12	0.21224	0.074	0.404	1.09E-07	Undiff-G	CHURC1
REPIN1	7.30E-12	-0.59902	0.007	0.277	1.09E-07	Undiff-G	REPIN1
INTS10	7.31E-12	-0.48319	0.022	0.305	1.09E-07	Undiff-G	INTS10
YIPF6	7.42E-12	-0.18981	0.029	0.316	1.11E-07	Undiff-G	YIPF6
PAFAH1B1	7.47E-12	-0.20122	0.059	0.371	1.12E-07	Undiff-G	PAFAH1B1
TUFM	7.58E-12	0.305611	0.191	0.638	1.13E-07	Undiff-G	TUFM
TCF12	7.73E-12	-0.68177	0.015	0.287	1.16E-07	Undiff-G	TCF12
ACADM	7.78E-12	-0.1934	0.037	0.334	1.16E-07	Undiff-G	ACADM
6-Mar	7.96E-12	-0.12116	0.051	0.36	1.19E-07	Undiff-G	6-Mar
IMMT	8.07E-12	-0.19165	0.022	0.305	1.21E-07	Undiff-G	IMMT
RABAC1	8.15E-12	0.362418	0.206	0.67	1.22E-07	Undiff-G	RABAC1
EIF2AK2	8.25E-12	-0.17902	0.022	0.305	1.23E-07	Undiff-G	EIF2AK2
H2AFJ	8.33E-12	-0.80446	0	0.262	1.24E-07	Undiff-G	H2AFJ
PTPRE	8.33E-12	-0.77753	0.007	0.273	1.25E-07	Undiff-G	PTPRE
BAZ1B	8.44E-12	-0.5339	0.022	0.301	1.26E-07	Undiff-G	BAZ1B
NUDCD2	8.44E-12	0.22544	0.074	0.404	1.26E-07	Undiff-G	NUDCD2
PRDX4	8.47E-12	0.466061	0.147	0.551	1.27E-07	Undiff-G	PRDX4

CDKN1B	8.50E-12	-0.70042	0	0.262	1.27E-07	Undiff-G	CDKN1B
PSMA1	8.56E-12	0.298623	0.184	0.616	1.28E-07	Undiff-G	PSMA1
COMMD6	8.62E-12	0.313929	0.257	0.782	1.29E-07	Undiff-G	COMMD6
AP1B1	8.67E-12	-0.79469	0	0.262	1.30E-07	Undiff-G	AP1B1
SUCLA2	8.75E-12	-0.41638	0.015	0.29	1.31E-07	Undiff-G	SUCLA2
TECR	8.81E-12	0.263148	0.147	0.547	1.32E-07	Undiff-G	TECR
PABPN1	8.94E-12	-0.22934	0.051	0.359	1.34E-07	Undiff-G	PABPN1
DNMT1	8.96E-12	-0.5785	0.015	0.289	1.34E-07	Undiff-G	DNMT1
LRRC59	8.99E-12	0.174533	0.051	0.361	1.34E-07	Undiff-G	LRRC59
GMFG	9.24E-12	-0.82299	0.022	0.301	1.38E-07	Undiff-G	GMFG
ANXA7	9.31E-12	-0.1516	0.044	0.342	1.39E-07	Undiff-G	ANXA7
NCAM1	9.32E-12	-0.55394	0.044	0.339	1.39E-07	Undiff-G	NCAM1
TMEM258	9.35E-12	0.294735	0.235	0.734	1.40E-07	Undiff-G	TMEM258
MOB1A	9.38E-12	-0.13267	0.044	0.344	1.40E-07	Undiff-G	MOB1A
DPM3	9.44E-12	-0.13416	0.051	0.356	1.41E-07	Undiff-G	DPM3
SLC39A6	9.56E-12	-0.1612	0.037	0.332	1.43E-07	Undiff-G	SLC39A6
FASTK	9.65E-12	-0.1764	0.044	0.341	1.44E-07	Undiff-G	FASTK
ARHGDI A	9.69E-12	0.159479	0.162	0.569	1.45E-07	Undiff-G	ARHGDI A
DNAJB2	9.69E-12	-0.23703	0.029	0.317	1.45E-07	Undiff-G	DNAJB2
ACTL6A	9.78E-12	-0.67104	0	0.261	1.46E-07	Undiff-G	ACTL6A
TCEAL3	1.00E-11	-0.1339	0.044	0.345	1.50E-07	Undiff-G	TCEAL3
MLX	1.02E-11	-0.32277	0.022	0.302	1.52E-07	Undiff-G	MLX
RSRC2	1.04E-11	0.221648	0.118	0.479	1.55E-07	Undiff-G	RSRC2
STX4	1.07E-11	-0.22451	0.029	0.317	1.60E-07	Undiff-G	STX4
HOOK3	1.07E-11	-0.6077	0.015	0.287	1.60E-07	Undiff-G	HOOK3
C5orf24	1.07E-11	-0.37818	0.022	0.299	1.60E-07	Undiff-G	C5orf24
CAMLG	1.08E-11	0.245762	0.125	0.498	1.61E-07	Undiff-G	CAMLG
SLTM	1.08E-11	-0.28913	0.051	0.353	1.61E-07	Undiff-G	SLTM
JKAMP	1.10E-11	-0.31292	0.022	0.303	1.65E-07	Undiff-G	JKAMP
GCA	1.11E-11	-0.5415	0.022	0.302	1.66E-07	Undiff-G	GCA
CDC123	1.11E-11	-0.16487	0.044	0.34	1.66E-07	Undiff-G	CDC123
MEF2C	1.12E-11	-0.79429	0.015	0.286	1.67E-07	Undiff-G	MEF2C
GDE1	1.15E-11	-0.26042	0.022	0.302	1.72E-07	Undiff-G	GDE1
NDUFS8	1.16E-11	0.375992	0.184	0.614	1.74E-07	Undiff-G	NDUFS8
GLO1	1.17E-11	0.112784	0.081	0.414	1.75E-07	Undiff-G	GLO1
PPP6C	1.17E-11	-0.68337	0	0.259	1.75E-07	Undiff-G	PPP6C
C1orf162	1.18E-11	-0.69908	0.037	0.325	1.76E-07	Undiff-G	C1orf162
FAM134A	1.19E-11	-0.47281	0.022	0.301	1.78E-07	Undiff-G	FAM134A
PYCARD	1.19E-11	-0.68999	0.015	0.288	1.78E-07	Undiff-G	PYCARD
CTSF	1.21E-11	-0.64392	0.007	0.273	1.81E-07	Undiff-G	CTSF
UBE2J1	1.23E-11	-0.58446	0.015	0.284	1.84E-07	Undiff-G	UBE2J1
SSBP4	1.23E-11	-0.56262	0.007	0.273	1.85E-07	Undiff-G	SSBP4
ECHDC1	1.25E-11	-0.15961	0.037	0.33	1.87E-07	Undiff-G	ECHDC1
TRAF4	1.27E-11	-0.65817	0.007	0.272	1.89E-07	Undiff-G	TRAF4
CRLS1	1.28E-11	-0.57969	0.015	0.286	1.91E-07	Undiff-G	CRLS1
PODXL2	1.28E-11	-0.55922	0.029	0.311	1.92E-07	Undiff-G	PODXL2
PHF20L1	1.29E-11	-0.49973	0.029	0.311	1.93E-07	Undiff-G	PHF20L1
NUDT22	1.30E-11	-0.5569	0.007	0.273	1.94E-07	Undiff-G	NUDT22
PSMB5	1.32E-11	0.314511	0.176	0.6	1.97E-07	Undiff-G	PSMB5
LILRB4	1.32E-11	-1.08149	0	0.258	1.97E-07	Undiff-G	LILRB4
ELAVL3	1.33E-11	-0.49257	0.029	0.314	1.99E-07	Undiff-G	ELAVL3



CNOT7	1.34E-11	0.114141	0.059	0.372	2.00E-07	Undiff-G	CNOT7
POLR2H	1.34E-11	-0.16407	0.037	0.326	2.01E-07	Undiff-G	POLR2H
KIDINS220	1.34E-11	-0.6418	0.007	0.272	2.01E-07	Undiff-G	KIDINS220
MLF2	1.37E-11	0.326798	0.184	0.614	2.05E-07	Undiff-G	MLF2
NOVA1	1.38E-11	-0.24458	0.118	0.483	2.06E-07	Undiff-G	NOVA1
PPIE	1.42E-11	-0.37546	0.015	0.286	2.12E-07	Undiff-G	PPIE
MAP2K1	1.43E-11	-0.63513	0.007	0.272	2.13E-07	Undiff-G	MAP2K1
CYFIP1	1.43E-11	-0.50647	0.015	0.286	2.13E-07	Undiff-G	CYFIP1
LRP1	1.46E-11	-0.33174	0.051	0.354	2.17E-07	Undiff-G	LRP1
C9orf78	1.46E-11	0.171648	0.103	0.448	2.18E-07	Undiff-G	C9orf78
CD59	1.46E-11	0.31708	0.154	0.558	2.18E-07	Undiff-G	CD59
ATRAID	1.46E-11	0.419997	0.184	0.616	2.19E-07	Undiff-G	ATRAID
EXOC7	1.49E-11	-0.22342	0.051	0.355	2.22E-07	Undiff-G	EXOC7
FAM195A	1.49E-11	-0.64646	0	0.257	2.22E-07	Undiff-G	FAM195A
RPN1	1.49E-11	0.257508	0.081	0.414	2.22E-07	Undiff-G	RPN1
GIPC1	1.52E-11	-0.61887	0.007	0.271	2.27E-07	Undiff-G	GIPC1
ATP2A2	1.54E-11	-0.55195	0.015	0.282	2.30E-07	Undiff-G	ATP2A2
POP5	1.55E-11	-0.36909	0.022	0.299	2.32E-07	Undiff-G	POP5
TRAPPC3	1.55E-11	0.197326	0.096	0.441	2.32E-07	Undiff-G	TRAPPC3
TBCB	1.56E-11	0.291486	0.213	0.663	2.32E-07	Undiff-G	TBCB
PICALM	1.57E-11	-0.43336	0.015	0.284	2.34E-07	Undiff-G	PICALM
TERF1	1.57E-11	-0.2748	0.037	0.327	2.35E-07	Undiff-G	TERF1
SPECC1	1.58E-11	-0.55837	0.022	0.299	2.36E-07	Undiff-G	SPECC1
PON2	1.58E-11	0.100423	0.103	0.454	2.36E-07	Undiff-G	PON2
PIN4	1.58E-11	0.305157	0.088	0.422	2.37E-07	Undiff-G	PIN4
CSF1R	1.60E-11	-0.92598	0.007	0.271	2.39E-07	Undiff-G	CSF1R
SMS	1.60E-11	0.317849	0.169	0.577	2.40E-07	Undiff-G	SMS
CHMP2A	1.60E-11	0.294876	0.206	0.66	2.40E-07	Undiff-G	CHMP2A
KIF5C	1.61E-11	-0.62966	0.007	0.271	2.40E-07	Undiff-G	KIF5C
CCDC90B	1.61E-11	0.266347	0.081	0.413	2.41E-07	Undiff-G	CCDC90B
COPS6	1.62E-11	0.22768	0.184	0.609	2.43E-07	Undiff-G	COPS6
PPP1R12A	1.63E-11	-0.28698	0.059	0.363	2.44E-07	Undiff-G	PPP1R12A
PTGES2	1.64E-11	-0.59229	0.007	0.27	2.45E-07	Undiff-G	PTGES2
SLC35C2	1.66E-11	-0.64476	0	0.256	2.48E-07	Undiff-G	SLC35C2
AP3D1	1.69E-11	-0.4155	0.029	0.312	2.52E-07	Undiff-G	AP3D1
DHX9	1.69E-11	-0.50452	0.015	0.281	2.53E-07	Undiff-G	DHX9
ATP5L	1.69E-11	0.282845	0.301	0.866	2.53E-07	Undiff-G	ATP5L
FBXO7	1.72E-11	-0.12532	0.029	0.313	2.57E-07	Undiff-G	FBXO7
BAALC	1.72E-11	-0.35155	0.051	0.349	2.57E-07	Undiff-G	BAALC
CDC5L	1.75E-11	-0.4229	0.015	0.284	2.62E-07	Undiff-G	CDC5L
UBE2D1	1.79E-11	-0.5899	0.007	0.27	2.68E-07	Undiff-G	UBE2D1
TAF12	1.82E-11	-0.31242	0.029	0.312	2.72E-07	Undiff-G	TAF12
CMAS	1.83E-11	-0.58453	0.007	0.27	2.74E-07	Undiff-G	CMAS
BUD31	1.85E-11	0.471352	0.191	0.633	2.77E-07	Undiff-G	BUD31
NDUFB9	1.89E-11	0.358828	0.221	0.694	2.83E-07	Undiff-G	NDUFB9
MORF4L1	1.90E-11	0.37094	0.25	0.75	2.84E-07	Undiff-G	MORF4L1
HDLBP	1.91E-11	-0.13733	0.044	0.339	2.86E-07	Undiff-G	HDLBP
WBP4	1.92E-11	-0.23594	0.029	0.308	2.87E-07	Undiff-G	WBP4
MIF4GD	1.92E-11	-0.71947	0	0.255	2.88E-07	Undiff-G	MIF4GD
THYN1	1.93E-11	0.153871	0.081	0.41	2.88E-07	Undiff-G	THYN1
SERPINE2	1.93E-11	-0.61263	0.022	0.296	2.89E-07	Undiff-G	SERPINE2

LYRM2	1.94E-11	-0.43699	0.022	0.297	2.90E-07	Undiff-G	LYRM2
SAMSN1	1.94E-11	-1.04193	0	0.255	2.90E-07	Undiff-G	SAMSN1
GHITM	1.98E-11	0.378828	0.14	0.528	2.95E-07	Undiff-G	GHITM
PHIP	1.98E-11	-0.41842	0.044	0.335	2.96E-07	Undiff-G	PHIP
ASPH	1.99E-11	-0.53202	0.015	0.28	2.97E-07	Undiff-G	ASPH
RAF1	2.00E-11	-0.58917	0.015	0.28	2.98E-07	Undiff-G	RAF1
VGLL4	2.01E-11	-0.37284	0.037	0.321	3.00E-07	Undiff-G	VGLL4
11-Sep	2.05E-11	-0.5224	0.029	0.306	3.07E-07	Undiff-G	11-Sep
PAICS	2.07E-11	-0.23742	0.029	0.311	3.09E-07	Undiff-G	PAICS
FMNL2	2.07E-11	-0.63242	0.007	0.268	3.09E-07	Undiff-G	FMNL2
PLEKH01	2.08E-11	-0.65923	0.015	0.278	3.11E-07	Undiff-G	PLEKH01
YEATS4	2.08E-11	-0.74769	0	0.254	3.11E-07	Undiff-G	YEATS4
ANKRD10	2.10E-11	-0.37424	0.029	0.309	3.14E-07	Undiff-G	ANKRD10
EBP	2.10E-11	-0.68758	0	0.254	3.14E-07	Undiff-G	EBP
TMEM170A	2.12E-11	-0.66195	0	0.254	3.17E-07	Undiff-G	TMEM170A
FAM32A	2.17E-11	0.102134	0.11	0.456	3.24E-07	Undiff-G	FAM32A
CRMP1	2.19E-11	-0.64759	0.007	0.268	3.27E-07	Undiff-G	CRMP1
DAZAP2	2.21E-11	0.256759	0.154	0.541	3.31E-07	Undiff-G	DAZAP2
NIPA2	2.24E-11	-0.59817	0.007	0.267	3.35E-07	Undiff-G	NIPA2
PIK3R1	2.24E-11	-0.32421	0.029	0.31	3.35E-07	Undiff-G	PIK3R1
HSD17B12	2.28E-11	0.114084	0.088	0.417	3.40E-07	Undiff-G	HSD17B12
CSNK1E	2.30E-11	-0.44217	0.029	0.309	3.44E-07	Undiff-G	CSNK1E
IFNAR1	2.30E-11	-0.25242	0.022	0.293	3.44E-07	Undiff-G	IFNAR1
MAPKAP1	2.32E-11	-0.61889	0	0.253	3.47E-07	Undiff-G	MAPKAP1
PGD	2.36E-11	-0.23562	0.022	0.296	3.53E-07	Undiff-G	PGD
FARSA	2.46E-11	-0.17002	0.037	0.323	3.67E-07	Undiff-G	FARSA
NDUFB1	2.47E-11	0.214149	0.176	0.598	3.70E-07	Undiff-G	NDUFB1
TAF1D	2.49E-11	-0.28832	0.051	0.346	3.72E-07	Undiff-G	TAF1D
RBM8A	2.49E-11	0.319427	0.191	0.618	3.72E-07	Undiff-G	RBM8A
MPHOSPH8	2.50E-11	0.138564	0.081	0.403	3.73E-07	Undiff-G	MPHOSPH8
RNF114	2.53E-11	0.242003	0.088	0.419	3.79E-07	Undiff-G	RNF114
NAA20	2.55E-11	0.314439	0.132	0.501	3.82E-07	Undiff-G	NAA20
PTPRZ1	2.61E-11	-0.31102	0.074	0.388	3.90E-07	Undiff-G	PTPRZ1
EEF1B2	2.61E-11	0.410374	0.265	0.782	3.91E-07	Undiff-G	EEF1B2
C7orf55	2.64E-11	0.200838	0.096	0.427	3.94E-07	Undiff-G	C7orf55
C1orf35	2.65E-11	-0.58468	0.007	0.266	3.96E-07	Undiff-G	C1orf35
KIF21A	2.66E-11	-0.62666	0.029	0.305	3.98E-07	Undiff-G	KIF21A
HSPB11	2.66E-11	-0.23637	0.044	0.332	3.98E-07	Undiff-G	HSPB11
CADM4	2.69E-11	-0.50856	0.007	0.266	4.02E-07	Undiff-G	CADM4
VPS51	2.70E-11	-0.58131	0.007	0.266	4.03E-07	Undiff-G	VPS51
PEF1	2.71E-11	-0.2949	0.037	0.323	4.05E-07	Undiff-G	PEF1
MTIF3	2.73E-11	-0.12388	0.051	0.349	4.08E-07	Undiff-G	MTIF3
RHOT1	2.74E-11	-0.59406	0	0.252	4.10E-07	Undiff-G	RHOT1
AIMP1	2.78E-11	0.147664	0.066	0.374	4.15E-07	Undiff-G	AIMP1
TDG	2.81E-11	-0.64532	0.015	0.276	4.21E-07	Undiff-G	TDG
ATF6	2.83E-11	-0.65729	0	0.251	4.22E-07	Undiff-G	ATF6
LARP7	2.84E-11	-0.13717	0.059	0.363	4.25E-07	Undiff-G	LARP7
MPLKIP	2.89E-11	0.240316	0.103	0.449	4.31E-07	Undiff-G	MPLKIP
GPR183	2.91E-11	-0.77602	0.022	0.293	4.34E-07	Undiff-G	GPR183
VPS4B	2.91E-11	-0.65664	0	0.251	4.35E-07	Undiff-G	VPS4B
CLCN3	2.94E-11	-0.60641	0	0.251	4.39E-07	Undiff-G	CLCN3

STARD7	2.97E-11	-0.52218	0.037	0.32	4.43E-07	Undiff-G	STARD7
VOPPI	3.01E-11	-0.32289	0.022	0.294	4.49E-07	Undiff-G	VOPPI
OGFR	3.02E-11	-0.46382	0.022	0.29	4.51E-07	Undiff-G	OGFR
RFC1	3.03E-11	-0.26314	0.015	0.28	4.53E-07	Undiff-G	RFC1
SAFB	3.03E-11	-0.48241	0.022	0.292	4.53E-07	Undiff-G	SAFB
SOX11	3.05E-11	-0.80473	0.015	0.275	4.56E-07	Undiff-G	SOX11
VPS72	3.26E-11	-0.30596	0.015	0.279	4.87E-07	Undiff-G	VPS72
TLN1	3.29E-11	-0.66349	0.022	0.288	4.92E-07	Undiff-G	TLN1
ADORA3	3.35E-11	-0.99037	0.007	0.264	5.01E-07	Undiff-G	ADORA3
RNF149	3.53E-11	-0.68567	0.015	0.274	5.28E-07	Undiff-G	RNF149
RRAGC	3.54E-11	-0.63491	0	0.249	5.29E-07	Undiff-G	RRAGC
CAMK2N1	3.68E-11	-0.26001	0.037	0.32	5.50E-07	Undiff-G	CAMK2N1
RALBP1	3.70E-11	-0.23509	0.029	0.306	5.52E-07	Undiff-G	RALBP1
GRAMD1A	3.71E-11	-0.40151	0.015	0.278	5.55E-07	Undiff-G	GRAMD1A
CPSF6	3.81E-11	-0.24782	0.044	0.333	5.69E-07	Undiff-G	CPSF6
ANP32A	3.81E-11	0.33458	0.096	0.432	5.70E-07	Undiff-G	ANP32A
BOD1	3.83E-11	-0.20759	0.029	0.306	5.72E-07	Undiff-G	BOD1
SCOC	3.83E-11	0.21355	0.088	0.418	5.73E-07	Undiff-G	SCOC
SEC13	3.84E-11	0.201688	0.066	0.372	5.73E-07	Undiff-G	SEC13
HTATSF1	3.89E-11	-0.30304	0.015	0.277	5.81E-07	Undiff-G	HTATSF1
TMEM59L	3.89E-11	-0.64204	0.007	0.261	5.82E-07	Undiff-G	TMEM59L
C22orf39	3.93E-11	-0.59592	0.007	0.262	5.87E-07	Undiff-G	C22orf39
SEC61B	3.98E-11	0.386898	0.25	0.742	5.95E-07	Undiff-G	SEC61B
GNB2L1	3.98E-11	0.846719	0.691	0.945	5.95E-07	Undiff-G	GNB2L1
CNIH1	4.07E-11	0.216425	0.066	0.376	6.08E-07	Undiff-G	CNIH1
MAP3K13	4.26E-11	0.189804	0.081	0.397	6.37E-07	Undiff-G	MAP3K13
MOSPD3	4.32E-11	-0.31636	0.022	0.29	6.46E-07	Undiff-G	MOSPD3
DRAM2	4.36E-11	-0.34167	0.051	0.339	6.52E-07	Undiff-G	DRAM2
TP53I13	4.44E-11	-0.59773	0	0.248	6.63E-07	Undiff-G	TP53I13
TGFB1	4.52E-11	-0.71336	0	0.247	6.76E-07	Undiff-G	TGFB1
FCGR1A	4.63E-11	-0.94156	0.007	0.262	6.91E-07	Undiff-G	FCGR1A
GTF2A2	4.67E-11	0.464283	0.132	0.503	6.97E-07	Undiff-G	GTF2A2
FAM200B	4.68E-11	0.199927	0.066	0.37	6.99E-07	Undiff-G	FAM200B
CNP	4.71E-11	-0.27878	0.074	0.38	7.03E-07	Undiff-G	CNP
7-Sep	4.71E-11	0.222718	0.235	0.708	7.03E-07	Undiff-G	7-Sep
GANAB	4.75E-11	-0.38666	0.015	0.276	7.09E-07	Undiff-G	GANAB
AKIP1	4.77E-11	-0.15676	0.022	0.29	7.12E-07	Undiff-G	AKIP1
H2AFZ	4.78E-11	0.361414	0.25	0.745	7.15E-07	Undiff-G	H2AFZ
EGLN2	4.80E-11	-0.42005	0.022	0.286	7.17E-07	Undiff-G	EGLN2
CLPP	4.84E-11	0.190599	0.081	0.402	7.24E-07	Undiff-G	CLPP
UCP2	4.85E-11	-0.68808	0.015	0.275	7.25E-07	Undiff-G	UCP2
VDAC1	4.85E-11	0.451087	0.199	0.636	7.25E-07	Undiff-G	VDAC1
CTSL	4.92E-11	0.20312	0.147	0.528	7.35E-07	Undiff-G	CTSL
GNG7	4.96E-11	-0.33773	0.029	0.302	7.41E-07	Undiff-G	GNG7
TMED7	5.06E-11	-0.57585	0.015	0.274	7.56E-07	Undiff-G	TMED7
AKAP13	5.06E-11	-0.25671	0.044	0.329	7.56E-07	Undiff-G	AKAP13
BRD4	5.09E-11	-0.15957	0.044	0.33	7.60E-07	Undiff-G	BRD4
TBCA	5.10E-11	0.375999	0.243	0.716	7.62E-07	Undiff-G	TBCA
CTSZ	5.11E-11	-0.88962	0.007	0.259	7.63E-07	Undiff-G	CTSZ
MUM1	5.18E-11	-0.22186	0.066	0.367	7.74E-07	Undiff-G	MUM1
KEAP1	5.21E-11	-0.42261	0.015	0.275	7.79E-07	Undiff-G	KEAP1

PVRL2	5. 29E-11	-0. 63225	0	0. 246	7. 90E-07	Undiff-G	PVRL2
DDX56	5. 29E-11	-0. 63713	0. 007	0. 26	7. 90E-07	Undiff-G	DDX56
TMEM33	5. 30E-11	-0. 26453	0. 022	0. 289	7. 93E-07	Undiff-G	TMEM33
WDR13	5. 33E-11	-0. 37492	0. 022	0. 289	7. 96E-07	Undiff-G	WDR13
KRAS	5. 40E-11	-0. 60162	0. 007	0. 257	8. 06E-07	Undiff-G	KRAS
CCZ1	5. 45E-11	-0. 13647	0. 059	0. 354	8. 15E-07	Undiff-G	CCZ1
NMT1	5. 49E-11	-0. 57521	0. 015	0. 271	8. 20E-07	Undiff-G	NMT1
ADSL	5. 55E-11	-0. 42873	0. 007	0. 26	8. 30E-07	Undiff-G	ADSL
UBAC2	5. 67E-11	-0. 29947	0. 015	0. 274	8. 47E-07	Undiff-G	UBAC2
DEF8	5. 72E-11	-0. 46459	0. 015	0. 273	8. 55E-07	Undiff-G	DEF8
TMEM259	5. 85E-11	-0. 4557	0. 051	0. 339	8. 74E-07	Undiff-G	TMEM259
TMEM248	5. 88E-11	-0. 23607	0. 029	0. 298	8. 79E-07	Undiff-G	TMEM248
CNPY2	5. 90E-11	0. 327281	0. 169	0. 573	8. 81E-07	Undiff-G	CNPY2
FOXN3	6. 00E-11	-0. 71632	0. 007	0. 258	8. 97E-07	Undiff-G	FOXN3
DNAJC2	6. 01E-11	-0. 37312	0. 029	0. 301	8. 98E-07	Undiff-G	DNAJC2
PLAUR	6. 06E-11	-0. 19754	0. 066	0. 37	9. 05E-07	Undiff-G	PLAUR
GABARAPL1	6. 06E-11	-0. 31263	0. 029	0. 301	9. 06E-07	Undiff-G	GABARAPL1
BIRC2	6. 13E-11	-0. 40004	0. 022	0. 284	9. 17E-07	Undiff-G	BIRC2
TMEM208	6. 20E-11	0. 33062	0. 118	0. 471	9. 26E-07	Undiff-G	TMEM208
TPD52L2	6. 22E-11	-0. 32627	0. 044	0. 327	9. 30E-07	Undiff-G	TPD52L2
TSTA3	6. 32E-11	-0. 47759	0. 015	0. 272	9. 44E-07	Undiff-G	TSTA3
GRPEL1	6. 37E-11	-0. 39292	0. 015	0. 273	9. 52E-07	Undiff-G	GRPEL1
EIF4E	6. 40E-11	0. 372532	0. 132	0. 493	9. 57E-07	Undiff-G	EIF4E
7-Mar	6. 44E-11	-0. 60264	0. 007	0. 258	9. 62E-07	Undiff-G	7-Mar
TMUB1	6. 54E-11	-0. 57189	0. 015	0. 269	9. 77E-07	Undiff-G	TMUB1
DNER	6. 67E-11	-0. 61358	0. 022	0. 283	9. 97E-07	Undiff-G	DNER
TBXAS1	6. 68E-11	-0. 99	0	0. 244	9. 98E-07	Undiff-G	TBXAS1
RTCA	6. 72E-11	-0. 37615	0. 015	0. 273	1. 00E-06	Undiff-G	RTCA
RRBP1	6. 74E-11	-0. 4251	0. 029	0. 3	1. 01E-06	Undiff-G	RRBP1
PSMD14	6. 87E-11	0. 375997	0. 118	0. 471	1. 03E-06	Undiff-G	PSMD14
RNF139	6. 87E-11	-0. 50939	0. 007	0. 258	1. 03E-06	Undiff-G	RNF139
CELF1	6. 91E-11	-0. 26106	0. 037	0. 311	1. 03E-06	Undiff-G	CELF1
PRDX3	6. 95E-11	0. 187355	0. 118	0. 471	1. 04E-06	Undiff-G	PRDX3
NDUFS1	7. 00E-11	-0. 48373	0. 007	0. 258	1. 05E-06	Undiff-G	NDUFS1
NTMT1	7. 04E-11	-0. 11848	0. 044	0. 328	1. 05E-06	Undiff-G	NTMT1
UROS	7. 09E-11	-0. 59916	0. 007	0. 255	1. 06E-06	Undiff-G	UROS
RMDN3	7. 15E-11	-0. 59941	0	0. 243	1. 07E-06	Undiff-G	RMDN3
CHID1	7. 17E-11	0. 288929	0. 103	0. 441	1. 07E-06	Undiff-G	CHID1
DDOST	7. 18E-11	0. 289655	0. 118	0. 469	1. 07E-06	Undiff-G	DDOST
BRD7	7. 50E-11	-0. 56513	0. 007	0. 257	1. 12E-06	Undiff-G	BRD7
ISCA1	7. 60E-11	-0. 16179	0. 029	0. 3	1. 14E-06	Undiff-G	ISCA1
IL6ST	7. 61E-11	-0. 595	0. 007	0. 257	1. 14E-06	Undiff-G	IL6ST
PDCD10	7. 62E-11	-0. 14681	0. 022	0. 286	1. 14E-06	Undiff-G	PDCD10
GOLGB1	7. 65E-11	-0. 65043	0	0. 243	1. 14E-06	Undiff-G	GOLGB1
ZFR	7. 71E-11	-0. 23977	0. 037	0. 309	1. 15E-06	Undiff-G	ZFR
PEX2	7. 75E-11	-0. 38893	0. 015	0. 271	1. 16E-06	Undiff-G	PEX2
FAM133B	7. 82E-11	0. 28055	0. 125	0. 475	1. 17E-06	Undiff-G	FAM133B
SEC14L1	7. 83E-11	-0. 42518	0. 029	0. 295	1. 17E-06	Undiff-G	SEC14L1
EIF4A1	7. 93E-11	0. 23672	0. 309	0. 868	1. 18E-06	Undiff-G	EIF4A1
DPYSL3	7. 93E-11	-0. 41668	0. 044	0. 325	1. 18E-06	Undiff-G	DPYSL3
GLTP	8. 00E-11	-0. 16854	0. 015	0. 271	1. 20E-06	Undiff-G	GLTP

TM7SF3	8. 01E-11	-0. 59563	0. 007	0. 254	1. 20E-06	Undiff-G	TM7SF3
PSMD1	8. 14E-11	-0. 23064	0. 044	0. 326	1. 22E-06	Undiff-G	PSMD1
GORASP2	8. 20E-11	-0. 13324	0. 029	0. 296	1. 23E-06	Undiff-G	GORASP2
ACIN1	8. 24E-11	-0. 31863	0. 015	0. 268	1. 23E-06	Undiff-G	ACIN1
QTRT1	8. 34E-11	-0. 23486	0. 051	0. 334	1. 25E-06	Undiff-G	QTRT1
MED30	8. 34E-11	-0. 48164	0. 007	0. 256	1. 25E-06	Undiff-G	MED30
SCG3	8. 52E-11	-0. 73552	0. 015	0. 269	1. 27E-06	Undiff-G	SCG3
ALG5	8. 52E-11	0. 190844	0. 066	0. 369	1. 27E-06	Undiff-G	ALG5
NIPBL	8. 59E-11	-0. 59004	0	0. 242	1. 28E-06	Undiff-G	NIPBL
SPI1	8. 59E-11	-0. 92295	0	0. 242	1. 28E-06	Undiff-G	SPI1
DHX29	8. 63E-11	0. 181621	0. 037	0. 313	1. 29E-06	Undiff-G	DHX29
SPOP	8. 77E-11	-0. 16836	0. 037	0. 312	1. 31E-06	Undiff-G	SPOP
YKT6	8. 84E-11	-0. 58951	0	0. 241	1. 32E-06	Undiff-G	YKT6
RNASEH2B	8. 84E-11	-0. 63243	0	0. 241	1. 32E-06	Undiff-G	RNASEH2B
PLGRKT	8. 89E-11	-0. 44321	0. 015	0. 27	1. 33E-06	Undiff-G	PLGRKT
PJA2	8. 91E-11	-0. 25091	0. 051	0. 338	1. 33E-06	Undiff-G	PJA2
ELP5	8. 95E-11	-0. 30405	0. 015	0. 27	1. 34E-06	Undiff-G	ELP5
RABEP1	9. 05E-11	-0. 51695	0. 007	0. 256	1. 35E-06	Undiff-G	RABEP1
RNF10	9. 05E-11	-0. 1459	0. 051	0. 336	1. 35E-06	Undiff-G	RNF10
TMEM203	9. 13E-11	-0. 53989	0. 007	0. 255	1. 36E-06	Undiff-G	TMEM203
GPR34	9. 17E-11	-0. 8097	0. 015	0. 27	1. 37E-06	Undiff-G	GPR34
DCK	9. 30E-11	-0. 59529	0. 015	0. 269	1. 39E-06	Undiff-G	DCK
WAC	9. 35E-11	-0. 43561	0. 015	0. 267	1. 40E-06	Undiff-G	WAC
KLHL7	9. 46E-11	-0. 47987	0. 022	0. 282	1. 41E-06	Undiff-G	KLHL7
CD83	9. 47E-11	-0. 43831	0. 029	0. 298	1. 42E-06	Undiff-G	CD83
GPSM3	9. 51E-11	-0. 96508	0. 015	0. 265	1. 42E-06	Undiff-G	GPSM3
DKC1	9. 52E-11	-0. 5788	0. 015	0. 268	1. 42E-06	Undiff-G	DKC1
EPRS	9. 66E-11	-0. 36645	0. 029	0. 297	1. 44E-06	Undiff-G	EPRS
RB1CC1	9. 81E-11	-0. 51868	0. 022	0. 28	1. 47E-06	Undiff-G	RB1CC1
VAMP3	9. 85E-11	-0. 21604	0. 059	0. 352	1. 47E-06	Undiff-G	VAMP3
HES6	9. 85E-11	-0. 69166	0. 029	0. 289	1. 47E-06	Undiff-G	HES6
ABRACL	9. 88E-11	-0. 18665	0. 037	0. 307	1. 48E-06	Undiff-G	ABRACL
SLC38A2	9. 94E-11	-0. 46112	0. 022	0. 282	1. 49E-06	Undiff-G	SLC38A2
TWF1	9. 96E-11	-0. 47542	0. 015	0. 266	1. 49E-06	Undiff-G	TWF1
DDX1	1. 00E-10	0. 11598	0. 066	0. 363	1. 49E-06	Undiff-G	DDX1
ACBD6	1. 01E-10	-0. 26611	0. 022	0. 28	1. 51E-06	Undiff-G	ACBD6
AP2A2	1. 02E-10	-0. 57858	0. 007	0. 254	1. 52E-06	Undiff-G	AP2A2
ITPA	1. 03E-10	0. 137991	0. 088	0. 408	1. 54E-06	Undiff-G	ITPA
TRAM1	1. 04E-10	0. 360642	0. 103	0. 437	1. 56E-06	Undiff-G	TRAM1
PWP1	1. 04E-10	-0. 4057	0. 037	0. 306	1. 56E-06	Undiff-G	PWP1
TOLLIP	1. 05E-10	-0. 40893	0. 015	0. 269	1. 56E-06	Undiff-G	TOLLIP
RASSF4	1. 06E-10	-0. 21877	0. 051	0. 332	1. 58E-06	Undiff-G	RASSF4
PRPF38A	1. 06E-10	-0. 3409	0. 029	0. 293	1. 59E-06	Undiff-G	PRPF38A
MAP4	1. 07E-10	-0. 13514	0. 051	0. 338	1. 59E-06	Undiff-G	MAP4
SHKBP1	1. 07E-10	-0. 62687	0	0. 24	1. 60E-06	Undiff-G	SHKBP1
TMEM50B	1. 10E-10	-0. 26594	0. 037	0. 306	1. 64E-06	Undiff-G	TMEM50B
CDKN1A	1. 12E-10	-0. 37865	0. 037	0. 31	1. 67E-06	Undiff-G	CDKN1A
CAST	1. 12E-10	-0. 23064	0. 044	0. 321	1. 68E-06	Undiff-G	CAST
CRTAP	1. 12E-10	-0. 65233	0	0. 239	1. 68E-06	Undiff-G	CRTAP
TRPC4AP	1. 15E-10	-0. 52839	0. 007	0. 253	1. 72E-06	Undiff-G	TRPC4AP
RAB20	1. 16E-10	-0. 86218	0	0. 239	1. 73E-06	Undiff-G	RAB20

SMAP2	1. 17E-10	-0. 74984	0	0. 239	1. 75E-06	Undiff-G	SMAP2
IMP4	1. 18E-10	0. 223016	0. 066	0. 362	1. 77E-06	Undiff-G	IMP4
GPATCH8	1. 18E-10	-0. 47744	0. 037	0. 307	1. 77E-06	Undiff-G	GPATCH8
HDAC3	1. 19E-10	-0. 47167	0. 015	0. 266	1. 78E-06	Undiff-G	HDAC3
PPP2R3C	1. 19E-10	-0. 28162	0. 037	0. 309	1. 78E-06	Undiff-G	PPP2R3C
HMGB3	1. 20E-10	-0. 26653	0. 022	0. 282	1. 79E-06	Undiff-G	HMGB3
OLR1	1. 21E-10	-0. 89634	0. 007	0. 253	1. 80E-06	Undiff-G	OLR1
SZRD1	1. 21E-10	-0. 2148	0. 015	0. 267	1. 81E-06	Undiff-G	SZRD1
EPC1	1. 22E-10	-0. 33615	0. 029	0. 294	1. 82E-06	Undiff-G	EPC1
NBPF1	1. 23E-10	-0. 56065	0	0. 238	1. 83E-06	Undiff-G	NBPF1
DAD1	1. 24E-10	0. 402909	0. 243	0. 726	1. 85E-06	Undiff-G	DAD1
RABGGTB	1. 25E-10	-0. 34615	0. 029	0. 294	1. 87E-06	Undiff-G	RABGGTB
COMMD2	1. 25E-10	-0. 23021	0. 029	0. 292	1. 87E-06	Undiff-G	COMMD2
FDFT1	1. 28E-10	-0. 12166	0. 037	0. 309	1. 91E-06	Undiff-G	FDFT1
TRIM28	1. 28E-10	-0. 53832	0. 007	0. 252	1. 91E-06	Undiff-G	TRIM28
ABHD17A	1. 29E-10	-0. 57465	0	0. 238	1. 92E-06	Undiff-G	ABHD17A
MBD4	1. 31E-10	-0. 51277	0. 015	0. 266	1. 96E-06	Undiff-G	MBD4
SPSB3	1. 31E-10	-0. 37401	0. 037	0. 307	1. 96E-06	Undiff-G	SPSB3
CRYAB	1. 35E-10	1. 352686	0. 551	0. 499	2. 01E-06	Undiff-G	CRYAB
USP22	1. 37E-10	-0. 21061	0. 044	0. 322	2. 04E-06	Undiff-G	USP22
SHISA4	1. 37E-10	-0. 62852	0. 007	0. 249	2. 05E-06	Undiff-G	SHISA4
IL13RA1	1. 38E-10	-0. 56695	0. 007	0. 252	2. 06E-06	Undiff-G	IL13RA1
EXOSC8	1. 41E-10	-0. 38602	0. 029	0. 292	2. 11E-06	Undiff-G	EXOSC8
LIMD2	1. 41E-10	-0. 57812	0. 007	0. 252	2. 11E-06	Undiff-G	LIMD2
EIF2AK1	1. 42E-10	-0. 19732	0. 051	0. 335	2. 12E-06	Undiff-G	EIF2AK1
MICU2	1. 42E-10	-0. 59695	0	0. 237	2. 12E-06	Undiff-G	MICU2
CYCS	1. 44E-10	0. 408949	0. 25	0. 739	2. 16E-06	Undiff-G	CYCS
COPS7A	1. 44E-10	-0. 25684	0. 022	0. 279	2. 16E-06	Undiff-G	COPS7A
PLD3	1. 45E-10	0. 326206	0. 154	0. 533	2. 16E-06	Undiff-G	PLD3
MCUR1	1. 45E-10	-0. 53325	0. 015	0. 265	2. 17E-06	Undiff-G	MCUR1
STK4	1. 46E-10	-0. 53084	0. 029	0. 29	2. 18E-06	Undiff-G	STK4
RSRC1	1. 46E-10	-0. 17908	0. 037	0. 308	2. 19E-06	Undiff-G	RSRC1
DAP	1. 47E-10	-0. 33028	0. 022	0. 279	2. 20E-06	Undiff-G	DAP
TMX4	1. 47E-10	-0. 56822	0. 007	0. 248	2. 20E-06	Undiff-G	TMX4
NKTR	1. 51E-10	-0. 3778	0. 066	0. 36	2. 25E-06	Undiff-G	NKTR
KARS	1. 56E-10	0. 196846	0. 074	0. 377	2. 33E-06	Undiff-G	KARS
LSM12	1. 57E-10	-0. 43093	0. 015	0. 262	2. 34E-06	Undiff-G	LSM12
ADPRHL2	1. 58E-10	-0. 52911	0. 015	0. 264	2. 36E-06	Undiff-G	ADPRHL2
ACP1	1. 58E-10	0. 361652	0. 14	0. 503	2. 37E-06	Undiff-G	ACP1
MCFD2	1. 63E-10	-0. 37191	0. 029	0. 289	2. 43E-06	Undiff-G	MCFD2
TMC01	1. 64E-10	0. 429268	0. 176	0. 58	2. 45E-06	Undiff-G	TMC01
ERGIC1	1. 68E-10	-0. 33013	0. 029	0. 292	2. 50E-06	Undiff-G	ERGIC1
FBXW5	1. 68E-10	-0. 37856	0. 029	0. 291	2. 52E-06	Undiff-G	FBXW5
RABL6	1. 71E-10	-0. 53148	0. 007	0. 25	2. 56E-06	Undiff-G	RABL6
2-Mar	1. 73E-10	-0. 60578	0	0. 235	2. 59E-06	Undiff-G	2-Mar
A1BG	1. 74E-10	-0. 17789	0. 037	0. 302	2. 60E-06	Undiff-G	A1BG
BRD3	1. 75E-10	-0. 36625	0. 022	0. 277	2. 61E-06	Undiff-G	BRD3
TTYH3	1. 75E-10	-0. 43454	0. 007	0. 25	2. 61E-06	Undiff-G	TTYH3
UBXN6	1. 82E-10	-0. 30178	0. 037	0. 302	2. 72E-06	Undiff-G	UBXN6
ERICH1	1. 82E-10	-0. 6133	0. 022	0. 275	2. 72E-06	Undiff-G	ERICH1
UBALD2	1. 91E-10	-0. 45646	0. 015	0. 262	2. 85E-06	Undiff-G	UBALD2

DDX49	1.91E-10	-0.4142	0.022	0.277	2.85E-06	Undiff-G	DDX49
TRABD	1.92E-10	-0.59983	0.015	0.262	2.86E-06	Undiff-G	TRABD
USP8	1.93E-10	-0.43003	0.015	0.262	2.89E-06	Undiff-G	USP8
DAZAP1	1.94E-10	-0.58914	0	0.234	2.90E-06	Undiff-G	DAZAP1
CLEC11A	1.94E-10	-0.59024	0	0.234	2.90E-06	Undiff-G	CLEC11A
NTPCR	1.96E-10	-0.17103	0.022	0.276	2.93E-06	Undiff-G	NTPCR
C19orf25	1.98E-10	-0.3794	0.037	0.302	2.96E-06	Undiff-G	C19orf25
TPT1	1.98E-10	0.835507	0.691	0.956	2.96E-06	Undiff-G	TPT1
BCKDK	1.99E-10	-0.10334	0.044	0.317	2.97E-06	Undiff-G	BCKDK
SDHAF2	2.00E-10	-0.22366	0.022	0.274	2.99E-06	Undiff-G	SDHAF2
CHMP1A	2.08E-10	-0.16482	0.022	0.276	3.11E-06	Undiff-G	CHMP1A
PSMC1	2.09E-10	0.331745	0.081	0.388	3.13E-06	Undiff-G	PSMC1
SAE1	2.12E-10	-0.30544	0.022	0.276	3.17E-06	Undiff-G	SAE1
TMEM87A	2.14E-10	-0.14316	0.022	0.276	3.21E-06	Undiff-G	TMEM87A
SNX27	2.20E-10	-0.55661	0.007	0.247	3.29E-06	Undiff-G	SNX27
ZNF106	2.22E-10	-0.56333	0.015	0.26	3.32E-06	Undiff-G	ZNF106
ARL8A	2.22E-10	-0.28653	0.022	0.275	3.32E-06	Undiff-G	ARL8A
TRAPPC6A	2.24E-10	-0.46928	0.015	0.262	3.35E-06	Undiff-G	TRAPPC6A
ARID1A	2.25E-10	-0.58542	0.007	0.245	3.36E-06	Undiff-G	ARID1A
ZFAND3	2.30E-10	-0.2257	0.022	0.276	3.44E-06	Undiff-G	ZFAND3
VDAC3	2.34E-10	0.388902	0.125	0.468	3.50E-06	Undiff-G	VDAC3
NOC2L	2.35E-10	-0.28592	0.044	0.316	3.51E-06	Undiff-G	NOC2L
TRAP1	2.37E-10	-0.49156	0.015	0.261	3.54E-06	Undiff-G	TRAP1
SIRPA	2.37E-10	-0.63997	0.007	0.246	3.54E-06	Undiff-G	SIRPA
USP1	2.40E-10	-0.24326	0.015	0.261	3.59E-06	Undiff-G	USP1
MSRB2	2.41E-10	-0.52545	0.015	0.258	3.60E-06	Undiff-G	MSRB2
CLSTN1	2.42E-10	-0.38446	0.029	0.285	3.62E-06	Undiff-G	CLSTN1
POLR2L	2.45E-10	0.397482	0.228	0.693	3.67E-06	Undiff-G	POLR2L
CPNE1	2.46E-10	-0.21542	0.059	0.342	3.68E-06	Undiff-G	CPNE1
GPR137B	2.49E-10	-0.59801	0	0.232	3.71E-06	Undiff-G	GPR137B
UBE2G1	2.53E-10	-0.40597	0.015	0.261	3.78E-06	Undiff-G	UBE2G1
SEC62	2.55E-10	0.428267	0.235	0.696	3.81E-06	Undiff-G	SEC62
LRPAP1	2.57E-10	0.298262	0.169	0.551	3.84E-06	Undiff-G	LRPAP1
RNASEH1	2.63E-10	-0.58028	0	0.232	3.93E-06	Undiff-G	RNASEH1
CHCHD3	2.67E-10	0.247583	0.074	0.372	3.99E-06	Undiff-G	CHCHD3
DHPS	2.68E-10	0.355231	0.118	0.451	4.00E-06	Undiff-G	DHPS
PIGT	2.68E-10	0.247442	0.088	0.401	4.01E-06	Undiff-G	PIGT
FUCA2	2.70E-10	-0.58078	0.007	0.246	4.03E-06	Undiff-G	FUCA2
FAM204A	2.76E-10	-0.41503	0.015	0.26	4.12E-06	Undiff-G	FAM204A
TAX1BP3	2.76E-10	0.245299	0.081	0.385	4.13E-06	Undiff-G	TAX1BP3
KPNA3	2.82E-10	-0.31224	0.015	0.258	4.21E-06	Undiff-G	KPNA3
FOSB	2.84E-10	-0.15947	0.088	0.395	4.24E-06	Undiff-G	FOSB
PLEKHJ1	2.87E-10	0.120809	0.074	0.37	4.28E-06	Undiff-G	PLEKHJ1
TFPT	2.88E-10	-0.1819	0.044	0.311	4.31E-06	Undiff-G	TFPT
ZDHHC4	2.95E-10	0.343758	0.066	0.358	4.41E-06	Undiff-G	ZDHHC4
CGGBP1	3.04E-10	-0.1985	0.022	0.272	4.55E-06	Undiff-G	CGGBP1
ROGDI	3.18E-10	-0.60399	0	0.23	4.75E-06	Undiff-G	ROGDI
PARL	3.19E-10	0.16777	0.059	0.341	4.77E-06	Undiff-G	PARL
ANAPC13	3.21E-10	0.212464	0.066	0.357	4.80E-06	Undiff-G	ANAPC13
PIGX	3.21E-10	-0.3969	0.015	0.256	4.80E-06	Undiff-G	PIGX
MZT1	3.23E-10	-0.49461	0.015	0.258	4.82E-06	Undiff-G	MZT1

IER3	3.23E-10	-0.8241	0.007	0.244	4.83E-06	Undiff-G	IER3
B3GAT3	3.30E-10	0.214099	0.081	0.382	4.93E-06	Undiff-G	B3GAT3
SYF2	3.33E-10	0.376934	0.154	0.522	4.98E-06	Undiff-G	SYF2
RB1	3.44E-10	-0.39774	0.044	0.308	5.14E-06	Undiff-G	RB1
SMARCC1	3.44E-10	-0.5029	0.015	0.257	5.14E-06	Undiff-G	SMARCC1
CUX1	3.45E-10	-0.54161	0.007	0.243	5.16E-06	Undiff-G	CUX1
GTF2F1	3.46E-10	-0.16591	0.029	0.286	5.17E-06	Undiff-G	GTF2F1
EIF3I	3.52E-10	0.413064	0.191	0.607	5.26E-06	Undiff-G	EIF3I
C3AR1	3.56E-10	-0.97026	0.007	0.241	5.33E-06	Undiff-G	C3AR1
RBM27	3.66E-10	-0.53135	0	0.229	5.47E-06	Undiff-G	RBM27
RUFY3	3.77E-10	-0.35544	0.044	0.308	5.63E-06	Undiff-G	RUFY3
SREK1IP1	3.86E-10	0.177392	0.059	0.341	5.77E-06	Undiff-G	SREK1IP1
ANP32E	4.01E-10	-0.18293	0.022	0.27	6.00E-06	Undiff-G	ANP32E
SECISBP2	4.01E-10	-0.30988	0.015	0.256	6.00E-06	Undiff-G	SECISBP2
SMARCC2	4.02E-10	-0.57397	0.022	0.266	6.00E-06	Undiff-G	SMARCC2
CISD3	4.04E-10	-0.33509	0.015	0.256	6.04E-06	Undiff-G	CISD3
NR4A2	4.06E-10	-0.80435	0.015	0.254	6.06E-06	Undiff-G	NR4A2
CHD7	4.14E-10	-0.53527	0.037	0.292	6.18E-06	Undiff-G	CHD7
UTP18	4.19E-10	-0.46496	0.022	0.267	6.26E-06	Undiff-G	UTP18
METRN	4.20E-10	-0.35194	0.037	0.297	6.27E-06	Undiff-G	METRN
GPN3	4.22E-10	-0.32057	0.015	0.256	6.30E-06	Undiff-G	GPN3
ARF3	4.33E-10	0.282926	0.081	0.381	6.47E-06	Undiff-G	ARF3
MAZ	4.33E-10	-0.44529	0.015	0.253	6.48E-06	Undiff-G	MAZ
PARK7	4.37E-10	0.392728	0.272	0.771	6.54E-06	Undiff-G	PARK7
CHD1	4.38E-10	-0.3868	0.037	0.296	6.54E-06	Undiff-G	CHD1
ANAPC11	4.39E-10	0.259283	0.257	0.732	6.56E-06	Undiff-G	ANAPC11
KIAA1033	4.40E-10	-0.52725	0.007	0.241	6.58E-06	Undiff-G	KIAA1033
NQO2	4.44E-10	-0.30009	0.015	0.256	6.63E-06	Undiff-G	NQO2
RAB32	4.45E-10	-0.535	0.007	0.241	6.64E-06	Undiff-G	RAB32
BSDC1	4.50E-10	-0.2124	0.037	0.293	6.72E-06	Undiff-G	BSDC1
LARP1	4.58E-10	-0.3712	0.015	0.255	6.85E-06	Undiff-G	LARP1
EGFR	4.61E-10	-0.4417	0.044	0.303	6.89E-06	Undiff-G	EGFR
C12orf76	4.63E-10	-0.18158	0.022	0.269	6.92E-06	Undiff-G	C12orf76
BNIP2	4.68E-10	-0.57408	0.022	0.267	7.00E-06	Undiff-G	BNIP2
PROSC	4.70E-10	-0.42969	0.015	0.255	7.02E-06	Undiff-G	PROSC
MOCS2	4.70E-10	-0.3993	0.022	0.266	7.03E-06	Undiff-G	MOCS2
EXOSC4	4.72E-10	-0.46042	0.015	0.254	7.05E-06	Undiff-G	EXOSC4
LPAR6	4.81E-10	-0.74483	0.007	0.24	7.19E-06	Undiff-G	LPAR6
HSP90AB1	4.95E-10	0.191296	0.294	0.827	7.39E-06	Undiff-G	HSP90AB1
YAF2	4.97E-10	-0.10771	0.066	0.35	7.42E-06	Undiff-G	YAF2
SLC30A9	5.02E-10	-0.17816	0.015	0.254	7.51E-06	Undiff-G	SLC30A9
ZNF638	5.02E-10	-0.44741	0.015	0.254	7.51E-06	Undiff-G	ZNF638
ZNF292	5.04E-10	-0.53303	0.022	0.267	7.53E-06	Undiff-G	ZNF292
PXMP2	5.04E-10	-0.5243	0	0.226	7.53E-06	Undiff-G	PXMP2
COX6C	5.04E-10	0.198312	0.301	0.837	7.54E-06	Undiff-G	COX6C
FYB	5.14E-10	-0.91303	0	0.225	7.68E-06	Undiff-G	FYB
DR1	5.17E-10	-0.55943	0.007	0.237	7.73E-06	Undiff-G	DR1
KATNBL1	5.24E-10	-0.42092	0.015	0.254	7.83E-06	Undiff-G	KATNBL1
IMPDH2	5.24E-10	0.24319	0.103	0.42	7.83E-06	Undiff-G	IMPDH2
AC010642.1	5.28E-10	-0.55574	0	0.225	7.90E-06	Undiff-G	AC010642.1
TMEM128	5.32E-10	-0.25877	0.037	0.294	7.94E-06	Undiff-G	TMEM128



FNBP1	5.33E-10	-0.56236	0.022	0.266	7.97E-06	Undiff-G	FNBP1
ZNF32	5.33E-10	-0.55831	0	0.225	7.97E-06	Undiff-G	ZNF32
C14orf2	5.33E-10	0.383718	0.221	0.659	7.97E-06	Undiff-G	C14orf2
KAT5	5.34E-10	-0.3557	0.015	0.254	7.98E-06	Undiff-G	KAT5
AAK1	5.42E-10	-0.53013	0.029	0.28	8.09E-06	Undiff-G	AAK1
RANBP3	5.43E-10	-0.54316	0	0.225	8.12E-06	Undiff-G	RANBP3
DMAP1	5.46E-10	-0.16805	0.015	0.254	8.16E-06	Undiff-G	DMAP1
TMED5	5.49E-10	0.171149	0.044	0.309	8.20E-06	Undiff-G	TMED5
ASPSCR1	5.49E-10	-0.52478	0.007	0.239	8.20E-06	Undiff-G	ASPSCR1
ANXA5	5.49E-10	0.255186	0.265	0.732	8.21E-06	Undiff-G	ANXA5
SMPD1	5.60E-10	-0.33668	0.007	0.239	8.37E-06	Undiff-G	SMPD1
CD276	5.64E-10	-0.56091	0	0.225	8.43E-06	Undiff-G	CD276
PGM1	5.66E-10	-0.20927	0.015	0.253	8.46E-06	Undiff-G	PGM1
TRIB2	5.68E-10	-0.59582	0.022	0.266	8.49E-06	Undiff-G	TRIB2
MLST8	5.76E-10	-0.3433	0.007	0.239	8.61E-06	Undiff-G	MLST8
KCTD12	5.82E-10	-0.46705	0.007	0.239	8.69E-06	Undiff-G	KCTD12
ANKRD11	5.83E-10	-0.17493	0.051	0.319	8.71E-06	Undiff-G	ANKRD11
COPB2	5.89E-10	-0.11437	0.044	0.309	8.80E-06	Undiff-G	COPB2
MARK3	5.93E-10	-0.47247	0.037	0.29	8.86E-06	Undiff-G	MARK3
PNN	5.93E-10	0.118367	0.096	0.405	8.86E-06	Undiff-G	PNN
TNP01	5.96E-10	-0.21516	0.029	0.281	8.90E-06	Undiff-G	TNP01
IL1B	5.97E-10	-0.94322	0	0.224	8.92E-06	Undiff-G	IL1B
SH3GL1	6.00E-10	-0.31176	0.015	0.253	8.97E-06	Undiff-G	SH3GL1
ERV3-1	6.05E-10	-0.62194	0.022	0.263	9.04E-06	Undiff-G	ERV3-1
WDR1	6.05E-10	0.21308	0.103	0.418	9.05E-06	Undiff-G	WDR1
DARS	6.15E-10	0.243814	0.096	0.406	9.19E-06	Undiff-G	DARS
ORAI2	6.17E-10	-0.35201	0.029	0.279	9.22E-06	Undiff-G	ORAI2
NRP2	6.19E-10	-0.60785	0	0.224	9.26E-06	Undiff-G	NRP2
AP3S1	6.21E-10	0.353478	0.11	0.43	9.28E-06	Undiff-G	AP3S1
RBMX2	6.22E-10	-0.51666	0.007	0.238	9.29E-06	Undiff-G	RBMX2
LINC00493	6.22E-10	0.401347	0.162	0.534	9.30E-06	Undiff-G	LINC00493
CHD2	6.24E-10	-0.20952	0.037	0.295	9.33E-06	Undiff-G	CHD2
URI1	6.31E-10	-0.53879	0	0.224	9.43E-06	Undiff-G	URI1
FN3KRP	6.31E-10	-0.59318	0	0.224	9.43E-06	Undiff-G	FN3KRP
AHCYL1	6.37E-10	-0.10922	0.059	0.331	9.52E-06	Undiff-G	AHCYL1
KIF2A	6.39E-10	-0.29277	0.007	0.238	9.55E-06	Undiff-G	KIF2A
CWC27	6.39E-10	-0.11182	0.022	0.266	9.55E-06	Undiff-G	CWC27
SNX4	6.40E-10	-0.20151	0.015	0.252	9.57E-06	Undiff-G	SNX4
DNTTIP2	6.47E-10	-0.16128	0.037	0.29	9.67E-06	Undiff-G	DNTTIP2
ESF1	6.53E-10	-0.14561	0.066	0.349	9.75E-06	Undiff-G	ESF1
MGAT4A	6.61E-10	-0.79756	0	0.223	9.88E-06	Undiff-G	MGAT4A
ZFPL1	6.62E-10	-0.40095	0.007	0.238	9.89E-06	Undiff-G	ZFPL1
UBQLN2	6.68E-10	-0.56386	0	0.223	9.98E-06	Undiff-G	UBQLN2
KIF3A	6.68E-10	-0.59427	0.007	0.237	9.99E-06	Undiff-G	KIF3A
CCDC53	6.70E-10	0.140648	0.059	0.332	1.00E-05	Undiff-G	CCDC53
RP11-1094	6.73E-10	-0.55692	0.007	0.237	1.01E-05	Undiff-G	RP11-1094M14.11
CPM	6.76E-10	-0.76959	0.007	0.237	1.01E-05	Undiff-G	CPM
PLA2G16	6.85E-10	0.174855	0.103	0.408	1.02E-05	Undiff-G	PLA2G16
GSTA4	6.93E-10	-0.16523	0.037	0.293	1.04E-05	Undiff-G	GSTA4
RP11-345J	6.94E-10	-0.32867	0.007	0.237	1.04E-05	Undiff-G	RP11-345J4.5
ATP1B1	7.00E-10	-0.5735	0.007	0.237	1.05E-05	Undiff-G	ATP1B1

CEBPG	7.10E-10	-0.28032	0.015	0.251	1.06E-05	Undiff-G	CEBPG
FUCA1	7.13E-10	-0.66965	0	0.222	1.06E-05	Undiff-G	FUCA1
NCOA4	7.16E-10	-0.15098	0.022	0.265	1.07E-05	Undiff-G	NCOA4
CPNE3	7.22E-10	0.106275	0.059	0.334	1.08E-05	Undiff-G	CPNE3
TM9SF3	7.26E-10	-0.55959	0	0.222	1.08E-05	Undiff-G	TM9SF3
TAOK1	7.27E-10	-0.3413	0.022	0.262	1.09E-05	Undiff-G	TAOK1
FOXO3	7.30E-10	-0.37161	0.029	0.275	1.09E-05	Undiff-G	FOXO3
MRFAP1L1	7.40E-10	-0.5915	0	0.222	1.11E-05	Undiff-G	MRFAP1L1
RSPRY1	7.49E-10	-0.29833	0.015	0.251	1.12E-05	Undiff-G	RSPRY1
CEP170	7.52E-10	-0.35487	0.022	0.264	1.12E-05	Undiff-G	CEP170
KXD1	7.54E-10	0.341139	0.125	0.452	1.13E-05	Undiff-G	KXD1
EEA1	7.55E-10	-0.50039	0.015	0.248	1.13E-05	Undiff-G	EEA1
G3BP2	7.55E-10	-0.19507	0.029	0.279	1.13E-05	Undiff-G	G3BP2
HEY1	7.56E-10	-0.60632	0.015	0.25	1.13E-05	Undiff-G	HEY1
REEP3	7.64E-10	-0.3846	0.015	0.247	1.14E-05	Undiff-G	REEP3
SSR4	7.85E-10	0.433719	0.272	0.768	1.17E-05	Undiff-G	SSR4
KNOP1	7.86E-10	-0.35376	0.022	0.262	1.17E-05	Undiff-G	KNOP1
CTSA	7.86E-10	0.291926	0.096	0.403	1.17E-05	Undiff-G	CTSA
ACYP2	8.00E-10	-0.21978	0.051	0.315	1.20E-05	Undiff-G	ACYP2
ANAPC15	8.03E-10	-0.21628	0.022	0.264	1.20E-05	Undiff-G	ANAPC15
MID1IP1	8.08E-10	-0.27781	0.022	0.264	1.21E-05	Undiff-G	MID1IP1
CYB5R1	8.16E-10	-0.43326	0.022	0.261	1.22E-05	Undiff-G	CYB5R1
USP14	8.26E-10	-0.51481	0.022	0.26	1.23E-05	Undiff-G	USP14
CDC42SE2	8.27E-10	-0.61077	0	0.221	1.24E-05	Undiff-G	CDC42SE2
CHCHD5	8.43E-10	0.168238	0.081	0.376	1.26E-05	Undiff-G	CHCHD5
TRIM44	8.51E-10	-0.336	0.037	0.29	1.27E-05	Undiff-G	TRIM44
GNB4	8.53E-10	-0.38456	0.007	0.235	1.27E-05	Undiff-G	GNB4
CCDC106	8.66E-10	-0.52594	0.007	0.235	1.29E-05	Undiff-G	CCDC106
COX6A1	8.73E-10	0.321639	0.309	0.851	1.31E-05	Undiff-G	COX6A1
UBAC1	8.83E-10	-0.55005	0	0.22	1.32E-05	Undiff-G	UBAC1
MAPT	8.88E-10	-0.39027	0.037	0.288	1.33E-05	Undiff-G	MAPT
RASSF2	8.89E-10	-0.52305	0.022	0.261	1.33E-05	Undiff-G	RASSF2
YPEL3	8.90E-10	-0.60717	0.015	0.247	1.33E-05	Undiff-G	YPEL3
DCTPP1	8.91E-10	0.167923	0.059	0.333	1.33E-05	Undiff-G	DCTPP1
THEMIS2	8.91E-10	-0.70832	0.015	0.244	1.33E-05	Undiff-G	THEMIS2
ZDHHC12	8.91E-10	-0.24052	0.022	0.263	1.33E-05	Undiff-G	ZDHHC12
C11orf73	8.92E-10	0.291686	0.11	0.424	1.33E-05	Undiff-G	C11orf73
PTPN1	8.93E-10	-0.55449	0.007	0.234	1.34E-05	Undiff-G	PTPN1
OARD1	9.10E-10	-0.26777	0.007	0.235	1.36E-05	Undiff-G	OARD1
CIR1	9.32E-10	0.13017	0.059	0.332	1.39E-05	Undiff-G	CIR1
ABL2	9.44E-10	-0.61396	0.029	0.271	1.41E-05	Undiff-G	ABL2
CCDC66	9.52E-10	-0.52917	0.007	0.232	1.42E-05	Undiff-G	CCDC66
HAVCR2	9.53E-10	-0.70582	0.007	0.234	1.42E-05	Undiff-G	HAVCR2
PCNA	9.55E-10	0.151822	0.051	0.318	1.43E-05	Undiff-G	PCNA
PLEKHA3	9.65E-10	-0.47078	0.007	0.234	1.44E-05	Undiff-G	PLEKHA3
GOLM1	9.71E-10	0.227705	0.051	0.319	1.45E-05	Undiff-G	GOLM1
PPA2	9.82E-10	0.250475	0.051	0.319	1.47E-05	Undiff-G	PPA2
MTX1	9.91E-10	-0.13586	0.015	0.248	1.48E-05	Undiff-G	MTX1
DNAJC4	9.95E-10	-0.61804	0.007	0.231	1.49E-05	Undiff-G	DNAJC4
DRG1	1.00E-09	-0.20632	0.015	0.248	1.50E-05	Undiff-G	DRG1
XP01	1.00E-09	-0.4743	0.022	0.261	1.50E-05	Undiff-G	XP01

EEF1E1	1. 01E-09	0. 154462	0. 051	0. 318	1. 51E-05	Undiff-G	EEF1E1
MMD	1. 02E-09	-0. 44412	0. 015	0. 247	1. 52E-05	Undiff-G	MMD
TSPAN31	1. 02E-09	-0. 26446	0. 044	0. 298	1. 52E-05	Undiff-G	TSPAN31
SEC23B	1. 02E-09	-0. 10957	0. 029	0. 273	1. 52E-05	Undiff-G	SEC23B
NREP	1. 03E-09	-0. 26765	0. 029	0. 276	1. 54E-05	Undiff-G	NREP
TMEM251	1. 03E-09	-0. 35022	0. 015	0. 245	1. 54E-05	Undiff-G	TMEM251
CD151	1. 03E-09	0. 325882	0. 14	0. 486	1. 54E-05	Undiff-G	CD151
SPINT2	1. 03E-09	-0. 79429	0	0. 219	1. 54E-05	Undiff-G	SPINT2
R3HCC1	1. 04E-09	-0. 19255	0. 037	0. 289	1. 55E-05	Undiff-G	R3HCC1
OSTM1	1. 04E-09	-0. 55227	0. 007	0. 231	1. 55E-05	Undiff-G	OSTM1
CENPV	1. 04E-09	-0. 53482	0. 022	0. 258	1. 55E-05	Undiff-G	CENPV
SSR3	1. 04E-09	0. 440048	0. 162	0. 531	1. 56E-05	Undiff-G	SSR3
CDK2AP2	1. 05E-09	0. 131906	0. 059	0. 332	1. 57E-05	Undiff-G	CDK2AP2
HECTD1	1. 06E-09	-0. 54841	0. 007	0. 231	1. 58E-05	Undiff-G	HECTD1
RILPL2	1. 08E-09	-0. 47739	0. 022	0. 261	1. 62E-05	Undiff-G	RILPL2
UBE2M	1. 09E-09	-0. 49513	0. 007	0. 233	1. 62E-05	Undiff-G	UBE2M
ANXA11	1. 10E-09	-0. 70156	0	0. 218	1. 65E-05	Undiff-G	ANXA11
ARFIP2	1. 11E-09	-0. 49815	0. 015	0. 246	1. 65E-05	Undiff-G	ARFIP2
ASAP1	1. 11E-09	-0. 53689	0. 007	0. 23	1. 66E-05	Undiff-G	ASAP1
DECR1	1. 12E-09	0. 293673	0. 103	0. 416	1. 67E-05	Undiff-G	DECR1
MS4A4A	1. 12E-09	-0. 422	0. 037	0. 289	1. 68E-05	Undiff-G	MS4A4A
FAM210B	1. 13E-09	-0. 47483	0. 029	0. 273	1. 69E-05	Undiff-G	FAM210B
GUSB	1. 14E-09	-0. 25562	0. 029	0. 275	1. 70E-05	Undiff-G	GUSB
ABCF2	1. 14E-09	-0. 55153	0	0. 218	1. 71E-05	Undiff-G	ABCF2
ARF4	1. 15E-09	0. 530912	0. 206	0. 627	1. 72E-05	Undiff-G	ARF4
LARS	1. 15E-09	0. 145556	0. 066	0. 345	1. 72E-05	Undiff-G	LARS
PKN1	1. 17E-09	-0. 49503	0. 015	0. 246	1. 74E-05	Undiff-G	PKN1
POLE4	1. 17E-09	-0. 19565	0. 037	0. 288	1. 76E-05	Undiff-G	POLE4
MEF2A	1. 18E-09	-0. 68811	0	0. 218	1. 76E-05	Undiff-G	MEF2A
TMED9	1. 18E-09	0. 474372	0. 243	0. 694	1. 76E-05	Undiff-G	TMED9
SCAMP4	1. 18E-09	-0. 43944	0. 029	0. 271	1. 76E-05	Undiff-G	SCAMP4
ARID5B	1. 19E-09	0. 182218	0. 074	0. 359	1. 78E-05	Undiff-G	ARID5B
CHIC2	1. 21E-09	-0. 31122	0. 015	0. 246	1. 81E-05	Undiff-G	CHIC2
MCOLN1	1. 21E-09	-0. 49667	0. 015	0. 246	1. 81E-05	Undiff-G	MCOLN1
DDX27	1. 22E-09	-0. 21123	0. 037	0. 285	1. 82E-05	Undiff-G	DDX27
KCNQ2	1. 22E-09	-0. 58701	0	0. 217	1. 82E-05	Undiff-G	KCNQ2
DDIT4	1. 25E-09	0. 180803	0. 103	0. 412	1. 86E-05	Undiff-G	DDIT4
CTNNBIP1	1. 27E-09	-0. 50784	0	0. 217	1. 89E-05	Undiff-G	CTNNBIP1
BLOC1S4	1. 29E-09	-0. 10032	0. 015	0. 246	1. 92E-05	Undiff-G	BLOC1S4
CCDC25	1. 29E-09	-0. 2134	0. 044	0. 3	1. 92E-05	Undiff-G	CCDC25
CCSER2	1. 29E-09	-0. 55169	0. 007	0. 231	1. 93E-05	Undiff-G	CCSER2
EIF2S2	1. 30E-09	0. 495413	0. 199	0. 592	1. 94E-05	Undiff-G	EIF2S2
SIAH1	1. 31E-09	-0. 33242	0. 007	0. 231	1. 95E-05	Undiff-G	SIAH1
SNX10	1. 31E-09	-0. 55673	0. 007	0. 231	1. 96E-05	Undiff-G	SNX10
SCYL1	1. 32E-09	-0. 53602	0. 007	0. 229	1. 97E-05	Undiff-G	SCYL1
MAPK1	1. 32E-09	-0. 394	0. 015	0. 245	1. 97E-05	Undiff-G	MAPK1
COQ9	1. 33E-09	-0. 49408	0. 015	0. 245	1. 98E-05	Undiff-G	COQ9
RFC2	1. 35E-09	-0. 40237	0. 015	0. 245	2. 01E-05	Undiff-G	RFC2
UQCRC1	1. 36E-09	0. 391092	0. 147	0. 492	2. 03E-05	Undiff-G	UQCRC1
RPA1	1. 37E-09	-0. 35149	0. 015	0. 242	2. 04E-05	Undiff-G	RPA1
EAPP	1. 37E-09	0. 296059	0. 074	0. 358	2. 05E-05	Undiff-G	EAPP

CHCHD1	1.37E-09	-0.13075	0.029	0.273	2.05E-05	Undiff-G	CHCHD1
ADAM17	1.38E-09	-0.34965	0.022	0.258	2.06E-05	Undiff-G	ADAM17
DCTD	1.38E-09	-0.41483	0.022	0.258	2.07E-05	Undiff-G	DCTD
LAMTOR5	1.40E-09	0.419259	0.243	0.697	2.09E-05	Undiff-G	LAMTOR5
AP1S1	1.40E-09	0.399523	0.132	0.471	2.10E-05	Undiff-G	AP1S1
CCM2	1.42E-09	-0.10302	0.037	0.287	2.12E-05	Undiff-G	CCM2
IFT52	1.43E-09	-0.10649	0.022	0.259	2.14E-05	Undiff-G	IFT52
CLN8	1.44E-09	-0.38093	0.029	0.272	2.15E-05	Undiff-G	CLN8
JAK1	1.44E-09	-0.3084	0.022	0.255	2.15E-05	Undiff-G	JAK1
SH3KBP1	1.44E-09	-0.49455	0.015	0.244	2.15E-05	Undiff-G	SH3KBP1
BZW2	1.45E-09	-0.17865	0.029	0.273	2.16E-05	Undiff-G	BZW2
CD58	1.46E-09	-0.65675	0.007	0.23	2.18E-05	Undiff-G	CD58
PDLIM7	1.48E-09	-0.52351	0.015	0.241	2.21E-05	Undiff-G	PDLIM7
STX7	1.48E-09	-0.22254	0.029	0.27	2.21E-05	Undiff-G	STX7
ATPAF2	1.48E-09	-0.54911	0	0.216	2.21E-05	Undiff-G	ATPAF2
PRKRIP1	1.49E-09	-0.40299	0.015	0.244	2.23E-05	Undiff-G	PRKRIP1
PKIB	1.50E-09	-0.19468	0.037	0.287	2.24E-05	Undiff-G	PKIB
DAPK3	1.50E-09	-0.49747	0.015	0.241	2.24E-05	Undiff-G	DAPK3
VPS37B	1.50E-09	-0.47452	0.022	0.257	2.25E-05	Undiff-G	VPS37B
RNF146	1.51E-09	-0.24094	0.022	0.258	2.26E-05	Undiff-G	RNF146
POP7	1.52E-09	0.399106	0.096	0.398	2.27E-05	Undiff-G	POP7
ACSL1	1.52E-09	-0.62721	0.007	0.23	2.28E-05	Undiff-G	ACSL1
COQ4	1.54E-09	-0.11723	0.029	0.27	2.30E-05	Undiff-G	COQ4
NDUFV2	1.54E-09	0.560227	0.199	0.596	2.31E-05	Undiff-G	NDUFV2
SBN01	1.54E-09	-0.1722	0.029	0.268	2.31E-05	Undiff-G	SBN01
GLIPR2	1.56E-09	-0.29766	0.029	0.271	2.33E-05	Undiff-G	GLIPR2
TSPAN14	1.59E-09	-0.63556	0	0.215	2.38E-05	Undiff-G	TSPAN14
CTDSP2	1.62E-09	-0.43866	0.037	0.279	2.41E-05	Undiff-G	CTDSP2
LIMA1	1.62E-09	-0.17605	0.059	0.321	2.41E-05	Undiff-G	LIMA1
PSMB1	1.62E-09	0.471069	0.257	0.73	2.42E-05	Undiff-G	PSMB1
GTF2H5	1.65E-09	0.308181	0.103	0.408	2.46E-05	Undiff-G	GTF2H5
JMJD6	1.65E-09	-0.11403	0.037	0.285	2.47E-05	Undiff-G	JMJD6
HSF1	1.66E-09	-0.31372	0.037	0.281	2.49E-05	Undiff-G	HSF1
GALNT11	1.67E-09	-0.38112	0.007	0.229	2.50E-05	Undiff-G	GALNT11
SAP30	1.69E-09	-0.4689	0.015	0.243	2.52E-05	Undiff-G	SAP30
CDK5	1.69E-09	-0.28494	0.015	0.241	2.52E-05	Undiff-G	CDK5
NUDT16L1	1.69E-09	-0.24705	0.037	0.284	2.52E-05	Undiff-G	NUDT16L1
RAB1A	1.69E-09	0.641456	0.206	0.625	2.52E-05	Undiff-G	RAB1A
SLC25A3	1.72E-09	0.346001	0.265	0.752	2.57E-05	Undiff-G	SLC25A3
CTD-2336C	1.73E-09	-0.56917	0.007	0.226	2.59E-05	Undiff-G	CTD-233602.1
GTPBP6	1.73E-09	-0.51537	0	0.214	2.59E-05	Undiff-G	GTPBP6
ATP5EP2	1.75E-09	0.214435	0.125	0.451	2.61E-05	Undiff-G	ATP5EP2
GLG1	1.75E-09	-0.44669	0.029	0.269	2.62E-05	Undiff-G	GLG1
C5orf15	1.76E-09	0.148737	0.059	0.327	2.63E-05	Undiff-G	C5orf15
UBE2E2	1.77E-09	-0.25804	0.015	0.243	2.65E-05	Undiff-G	UBE2E2
GSS	1.79E-09	-0.19448	0.015	0.243	2.67E-05	Undiff-G	GSS
SNN	1.79E-09	-0.53668	0.007	0.228	2.67E-05	Undiff-G	SNN
ATPAF1	1.79E-09	-0.39871	0.015	0.243	2.68E-05	Undiff-G	ATPAF1
PRPSAP2	1.80E-09	-0.20797	0.029	0.269	2.68E-05	Undiff-G	PRPSAP2
AKT1S1	1.80E-09	-0.29539	0.015	0.243	2.69E-05	Undiff-G	AKT1S1
MTF2	1.80E-09	-0.28067	0.022	0.256	2.69E-05	Undiff-G	MTF2

TPST1	1. 82E-09	-0. 45826	0. 015	0. 242	2. 72E-05	Undiff-G	TPST1
VASP	1. 84E-09	-0. 2773	0. 015	0. 242	2. 75E-05	Undiff-G	VASP
HSPE1	1. 85E-09	0. 407077	0. 257	0. 735	2. 76E-05	Undiff-G	HSPE1
INO80E	1. 85E-09	-0. 39939	0. 007	0. 228	2. 77E-05	Undiff-G	INO80E
RBM5	1. 89E-09	-0. 14274	0. 037	0. 281	2. 83E-05	Undiff-G	RBM5
RAE1	1. 92E-09	0. 111484	0. 029	0. 27	2. 87E-05	Undiff-G	RAE1
TXNDC17	1. 93E-09	0. 397723	0. 169	0. 529	2. 88E-05	Undiff-G	TXNDC17
PRPF19	1. 94E-09	-0. 18928	0. 022	0. 256	2. 90E-05	Undiff-G	PRPF19
ZC2HC1A	1. 95E-09	-0. 61573	0	0. 213	2. 92E-05	Undiff-G	ZC2HC1A
MAP2K2	1. 96E-09	-0. 46128	0. 051	0. 305	2. 92E-05	Undiff-G	MAP2K2
EIF4H	1. 97E-09	0. 487215	0. 176	0. 545	2. 94E-05	Undiff-G	EIF4H
TRMT10C	1. 99E-09	-0. 41927	0. 022	0. 252	2. 97E-05	Undiff-G	TRMT10C
ETNK1	1. 99E-09	-0. 5625	0. 007	0. 226	2. 97E-05	Undiff-G	ETNK1
KHSRP	1. 99E-09	-0. 46714	0. 015	0. 241	2. 98E-05	Undiff-G	KHSRP
SPTLC2	2. 02E-09	-0. 72121	0	0. 213	3. 02E-05	Undiff-G	SPTLC2
CECR5	2. 03E-09	-0. 17331	0. 022	0. 254	3. 03E-05	Undiff-G	CECR5
RAB22A	2. 04E-09	-0. 3902	0. 015	0. 241	3. 04E-05	Undiff-G	RAB22A
RGCC	2. 05E-09	-0. 70696	0. 022	0. 253	3. 06E-05	Undiff-G	RGCC
KMT2A	2. 05E-09	-0. 43185	0. 015	0. 239	3. 06E-05	Undiff-G	KMT2A
ING4	2. 08E-09	-0. 22699	0. 029	0. 269	3. 10E-05	Undiff-G	ING4
TIMM44	2. 08E-09	-0. 49631	0. 029	0. 265	3. 11E-05	Undiff-G	TIMM44
IQGAP1	2. 09E-09	-0. 17141	0. 022	0. 255	3. 13E-05	Undiff-G	IQGAP1
TM2D3	2. 10E-09	0. 104107	0. 066	0. 334	3. 13E-05	Undiff-G	TM2D3
TRIM27	2. 14E-09	-0. 52849	0	0. 212	3. 20E-05	Undiff-G	TRIM27
PCNP	2. 14E-09	0. 420156	0. 176	0. 541	3. 20E-05	Undiff-G	PCNP
EBAG9	2. 14E-09	-0. 15667	0. 022	0. 255	3. 21E-05	Undiff-G	EBAG9
TBRG4	2. 17E-09	-0. 36764	0. 015	0. 24	3. 24E-05	Undiff-G	TBRG4
RFK	2. 19E-09	-0. 45073	0. 015	0. 24	3. 28E-05	Undiff-G	RFK
LASP1	2. 20E-09	-0. 57738	0	0. 212	3. 28E-05	Undiff-G	LASP1
RGS16	2. 22E-09	-0. 40678	0. 037	0. 278	3. 31E-05	Undiff-G	RGS16
B4GALT7	2. 22E-09	-0. 52355	0	0. 212	3. 31E-05	Undiff-G	B4GALT7
SLC35F6	2. 22E-09	-0. 5563	0	0. 212	3. 31E-05	Undiff-G	SLC35F6
HYAL2	2. 26E-09	-0. 49366	0. 007	0. 225	3. 37E-05	Undiff-G	HYAL2
LAIR1	2. 26E-09	-0. 87536	0. 015	0. 233	3. 38E-05	Undiff-G	LAIR1
TPRKB	2. 29E-09	0. 319603	0. 081	0. 367	3. 43E-05	Undiff-G	TPRKB
PUM1	2. 31E-09	-0. 24174	0. 015	0. 24	3. 45E-05	Undiff-G	PUM1
TXNRD1	2. 32E-09	-0. 34196	0. 015	0. 24	3. 46E-05	Undiff-G	TXNRD1
BEST1	2. 32E-09	-0. 44181	0. 037	0. 278	3. 47E-05	Undiff-G	BEST1
EPN2	2. 33E-09	-0. 50027	0. 015	0. 24	3. 49E-05	Undiff-G	EPN2
ILVBL	2. 36E-09	-0. 27	0. 022	0. 254	3. 52E-05	Undiff-G	ILVBL
PLRG1	2. 37E-09	-0. 22765	0. 015	0. 24	3. 54E-05	Undiff-G	PLRG1
ADPGK	2. 38E-09	-0. 29842	0. 029	0. 264	3. 55E-05	Undiff-G	ADPGK
SUPT5H	2. 38E-09	-0. 37481	0. 022	0. 252	3. 56E-05	Undiff-G	SUPT5H
DERA	2. 38E-09	-0. 34618	0. 022	0. 254	3. 56E-05	Undiff-G	DERA
TOR1A	2. 40E-09	-0. 25508	0. 029	0. 264	3. 58E-05	Undiff-G	TOR1A
CAND1	2. 43E-09	-0. 53335	0. 015	0. 238	3. 63E-05	Undiff-G	CAND1
FAM136A	2. 43E-09	-0. 20717	0. 029	0. 265	3. 63E-05	Undiff-G	FAM136A
MANBAL	2. 44E-09	0. 200699	0. 066	0. 338	3. 65E-05	Undiff-G	MANBAL
C1orf52	2. 45E-09	0. 128777	0. 051	0. 31	3. 66E-05	Undiff-G	C1orf52
LY96	2. 46E-09	-0. 47107	0. 007	0. 225	3. 67E-05	Undiff-G	LY96
KDM6B	2. 46E-09	-0. 62702	0. 007	0. 225	3. 68E-05	Undiff-G	KDM6B

GGA1	2.46E-09	-0.41157	0.044	0.292	3.68E-05	Undiff-G	GGA1
HLA-DQA1	2.46E-09	-0.26299	0.051	0.309	3.68E-05	Undiff-G	HLA-DQA1
BTG2	2.47E-09	0.293489	0.14	0.471	3.69E-05	Undiff-G	BTG2
SLC35A4	2.52E-09	-0.52159	0	0.211	3.77E-05	Undiff-G	SLC35A4
CCND1	2.53E-09	-0.66622	0.007	0.221	3.78E-05	Undiff-G	CCND1
ATP6VOA1	2.54E-09	-0.51851	0.044	0.288	3.80E-05	Undiff-G	ATP6VOA1
FAM174A	2.55E-09	-0.41566	0.007	0.225	3.81E-05	Undiff-G	FAM174A
PLA2G12A	2.57E-09	-0.47708	0.015	0.236	3.83E-05	Undiff-G	PLA2G12A
HIST1H2BK	2.57E-09	-0.63363	0	0.21	3.84E-05	Undiff-G	HIST1H2BK
CUL5	2.62E-09	-0.31244	0.007	0.225	3.92E-05	Undiff-G	CUL5
CPSF3L	2.63E-09	-0.23831	0.037	0.277	3.92E-05	Undiff-G	CPSF3L
TMEM14C	2.63E-09	0.501407	0.199	0.595	3.93E-05	Undiff-G	TMEM14C
TATDN1	2.65E-09	-0.2009	0.015	0.239	3.96E-05	Undiff-G	TATDN1
VMP1	2.70E-09	0.248001	0.14	0.476	4.03E-05	Undiff-G	VMP1
AFG3L2	2.74E-09	-0.49116	0	0.21	4.09E-05	Undiff-G	AFG3L2
P4HTM	2.75E-09	-0.47979	0.029	0.264	4.11E-05	Undiff-G	P4HTM
ARMC1	2.77E-09	-0.19412	0.029	0.267	4.14E-05	Undiff-G	ARMC1
PMP2	2.77E-09	-0.40856	0.081	0.353	4.15E-05	Undiff-G	PMP2
NES	2.79E-09	-0.2961	0.037	0.279	4.18E-05	Undiff-G	NES
TNFRSF12A	2.81E-09	-0.24412	0.044	0.29	4.20E-05	Undiff-G	TNFRSF12A
SUPT20H	2.81E-09	-0.5074	0	0.21	4.20E-05	Undiff-G	SUPT20H
CTDSP1	2.82E-09	-0.48448	0.007	0.224	4.21E-05	Undiff-G	CTDSP1
RAB1B	2.84E-09	-0.27204	0.015	0.238	4.25E-05	Undiff-G	RAB1B
PPIF	2.87E-09	-0.59486	0.007	0.223	4.29E-05	Undiff-G	PPIF
MTHFD2	2.91E-09	-0.45993	0.044	0.291	4.35E-05	Undiff-G	MTHFD2
KMT2C	2.93E-09	-0.32359	0.029	0.264	4.38E-05	Undiff-G	KMT2C
CHP1	2.94E-09	-0.39452	0.015	0.237	4.39E-05	Undiff-G	CHP1
RAB4B	2.95E-09	-0.24055	0.029	0.265	4.41E-05	Undiff-G	RAB4B
CHCHD6	2.95E-09	-0.22514	0.015	0.238	4.41E-05	Undiff-G	CHCHD6
CDK16	2.96E-09	-0.29295	0.015	0.238	4.43E-05	Undiff-G	CDK16
DHR SX	2.96E-09	-0.45708	0.015	0.235	4.43E-05	Undiff-G	DHR SX
PPP1R11	2.97E-09	0.328838	0.081	0.363	4.44E-05	Undiff-G	PPP1R11
ORC4	2.98E-09	-0.40698	0.015	0.237	4.45E-05	Undiff-G	ORC4
ZMAT5	2.98E-09	-0.20144	0.015	0.238	4.45E-05	Undiff-G	ZMAT5
CLN5	2.98E-09	-0.33872	0.007	0.224	4.45E-05	Undiff-G	CLN5
CDC34	2.98E-09	-0.24466	0.015	0.237	4.46E-05	Undiff-G	CDC34
HIPK2	3.02E-09	-0.5393	0.007	0.223	4.51E-05	Undiff-G	HIPK2
SRSF6	3.02E-09	0.240329	0.081	0.362	4.51E-05	Undiff-G	SRSF6
NFYC	3.02E-09	-0.47918	0.007	0.223	4.52E-05	Undiff-G	NFYC
PMPCA	3.02E-09	-0.45358	0.022	0.249	4.52E-05	Undiff-G	PMPCA
FKBP5	3.06E-09	-0.29536	0.059	0.32	4.57E-05	Undiff-G	FKBP5
SQLE	3.06E-09	-0.29399	0.022	0.251	4.57E-05	Undiff-G	SQLE
HDGF	3.06E-09	-0.14798	0.037	0.276	4.58E-05	Undiff-G	HDGF
TBL1XR1	3.08E-09	-0.44114	0.022	0.251	4.60E-05	Undiff-G	TBL1XR1
TMEM98	3.09E-09	-0.18917	0.015	0.238	4.62E-05	Undiff-G	TMEM98
RGS12	3.17E-09	-0.49885	0.037	0.273	4.74E-05	Undiff-G	RGS12
CDS2	3.22E-09	-0.34799	0.022	0.251	4.81E-05	Undiff-G	CDS2
CAPN1	3.22E-09	-0.30886	0.029	0.261	4.81E-05	Undiff-G	CAPN1
AGGF1	3.22E-09	-0.4942	0.007	0.222	4.81E-05	Undiff-G	AGGF1
ARL8B	3.22E-09	-0.54396	0	0.208	4.82E-05	Undiff-G	ARL8B
POLR2B	3.22E-09	-0.2224	0.029	0.265	4.82E-05	Undiff-G	POLR2B

MSRB1	3. 27E-09	-0. 45569	0. 007	0. 223	4. 89E-05	Undiff-G	MSRB1
COA6	3. 30E-09	0. 122145	0. 037	0. 279	4. 94E-05	Undiff-G	COA6
NABP2	3. 31E-09	-0. 1799	0. 037	0. 279	4. 94E-05	Undiff-G	NABP2
GALNT1	3. 31E-09	-0. 49984	0	0. 208	4. 95E-05	Undiff-G	GALNT1
CACUL1	3. 31E-09	-0. 56307	0	0. 208	4. 95E-05	Undiff-G	CACUL1
GOPC	3. 31E-09	-0. 48667	0. 029	0. 26	4. 95E-05	Undiff-G	GOPC
ASF1A	3. 35E-09	-0. 28949	0. 015	0. 237	5. 00E-05	Undiff-G	ASF1A
WIF1	3. 40E-09	0. 33469	0. 015	0. 001	5. 08E-05	Undiff-G	WIF1
RP11-286N	3. 40E-09	0. 326086	0. 015	0. 001	5. 08E-05	Undiff-G	RP11-286N22. 8
PDXK	3. 41E-09	-0. 15043	0. 044	0. 287	5. 09E-05	Undiff-G	PDXK
HSPA4	3. 41E-09	0. 13989	0. 037	0. 279	5. 10E-05	Undiff-G	HSPA4
MED28	3. 42E-09	0. 104994	0. 074	0. 342	5. 12E-05	Undiff-G	MED28
TM7SF2	3. 43E-09	-0. 54611	0. 015	0. 233	5. 12E-05	Undiff-G	TM7SF2
CBFB	3. 44E-09	-0. 3453	0. 015	0. 236	5. 14E-05	Undiff-G	CBFB
H2AFX	3. 49E-09	-0. 54315	0. 007	0. 222	5. 21E-05	Undiff-G	H2AFX
MYL6	3. 50E-09	0. 860697	0. 676	0. 945	5. 23E-05	Undiff-G	MYL6
PDLIM5	3. 50E-09	-0. 4813	0. 007	0. 222	5. 24E-05	Undiff-G	PDLIM5
SIVA1	3. 51E-09	0. 403994	0. 147	0. 489	5. 24E-05	Undiff-G	SIVA1
SRGAP2	3. 53E-09	-0. 5524	0. 015	0. 235	5. 27E-05	Undiff-G	SRGAP2
MOB4	3. 54E-09	0. 343679	0. 088	0. 375	5. 30E-05	Undiff-G	MOB4
LBR	3. 59E-09	-0. 53548	0. 015	0. 235	5. 36E-05	Undiff-G	LBR
NUDT16	3. 60E-09	-0. 51764	0. 007	0. 222	5. 37E-05	Undiff-G	NUDT16
ZCCHC10	3. 63E-09	-0. 26233	0. 015	0. 236	5. 42E-05	Undiff-G	ZCCHC10
FAM207A	3. 66E-09	-0. 51116	0	0. 207	5. 47E-05	Undiff-G	FAM207A
TMEM109	3. 66E-09	-0. 65953	0	0. 207	5. 47E-05	Undiff-G	TMEM109
NRBF2	3. 66E-09	-0. 12802	0. 037	0. 274	5. 47E-05	Undiff-G	NRBF2
PCSK7	3. 69E-09	-0. 51126	0. 044	0. 285	5. 51E-05	Undiff-G	PCSK7
GAS6	3. 69E-09	-0. 6616	0	0. 207	5. 52E-05	Undiff-G	GAS6
BICD1	3. 76E-09	-0. 47955	0	0. 207	5. 62E-05	Undiff-G	BICD1
SENP6	3. 76E-09	-0. 50045	0. 007	0. 221	5. 62E-05	Undiff-G	SENP6
HEBP2	3. 79E-09	-0. 43542	0. 007	0. 221	5. 66E-05	Undiff-G	HEBP2
DCX	3. 79E-09	-0. 68736	0	0. 207	5. 67E-05	Undiff-G	DCX
PPIL4	3. 82E-09	-0. 17665	0. 022	0. 249	5. 71E-05	Undiff-G	PPIL4
PRPF4B	3. 90E-09	-0. 2056	0. 037	0. 276	5. 83E-05	Undiff-G	PRPF4B
TMEM55B	3. 92E-09	-0. 51027	0. 007	0. 221	5. 86E-05	Undiff-G	TMEM55B
SLC25A33	3. 95E-09	-0. 4663	0. 007	0. 221	5. 91E-05	Undiff-G	SLC25A33
DHX30	3. 96E-09	-0. 25203	0. 029	0. 26	5. 92E-05	Undiff-G	DHX30
DCTN1	3. 96E-09	-0. 55276	0. 007	0. 218	5. 92E-05	Undiff-G	DCTN1
SAMHD1	4. 00E-09	-0. 6859	0. 007	0. 217	5. 98E-05	Undiff-G	SAMHD1
BZW1	4. 00E-09	0. 496043	0. 176	0. 542	5. 98E-05	Undiff-G	BZW1
FAM89B	4. 06E-09	-0. 26165	0. 022	0. 249	6. 07E-05	Undiff-G	FAM89B
HCFC1R1	4. 13E-09	-0. 23561	0. 044	0. 285	6. 18E-05	Undiff-G	HCFC1R1
NHLRC3	4. 16E-09	-0. 11717	0. 037	0. 273	6. 22E-05	Undiff-G	NHLRC3
AASDHPPT	4. 19E-09	0. 331411	0. 044	0. 291	6. 27E-05	Undiff-G	AASDHPPT
NUDT21	4. 24E-09	0. 11109	0. 029	0. 263	6. 34E-05	Undiff-G	NUDT21
SMC1A	4. 28E-09	-0. 52148	0. 007	0. 22	6. 39E-05	Undiff-G	SMC1A
ACP2	4. 30E-09	-0. 44986	0. 022	0. 246	6. 43E-05	Undiff-G	ACP2
SMARCD3	4. 32E-09	-0. 38496	0. 015	0. 234	6. 46E-05	Undiff-G	SMARCD3
SEZ6L2	4. 34E-09	-0. 14727	0. 037	0. 276	6. 48E-05	Undiff-G	SEZ6L2
PTPRC	4. 35E-09	-0. 82808	0	0. 205	6. 49E-05	Undiff-G	PTPRC
SF3A2	4. 36E-09	-0. 22461	0. 029	0. 262	6. 52E-05	Undiff-G	SF3A2

TMEM107	4.37E-09	-0.51957	0.007	0.22	6.54E-05	Undiff-G	TMEM107
VPS26B	4.39E-09	-0.44976	0.015	0.234	6.56E-05	Undiff-G	VPS26B
MOAP1	4.39E-09	-0.4874	0.007	0.22	6.57E-05	Undiff-G	MOAP1
U2AF2	4.41E-09	-0.17638	0.029	0.26	6.59E-05	Undiff-G	U2AF2
KIFAP3	4.46E-09	-0.54197	0	0.205	6.67E-05	Undiff-G	KIFAP3
LAT2	4.46E-09	-0.83432	0	0.205	6.67E-05	Undiff-G	LAT2
EVI2B	4.50E-09	-0.86641	0	0.205	6.73E-05	Undiff-G	EVI2B
FAM213A	4.52E-09	0.268574	0.096	0.386	6.76E-05	Undiff-G	FAM213A
RARS	4.55E-09	-0.23427	0.022	0.247	6.80E-05	Undiff-G	RARS
DHX15	4.61E-09	-0.43288	0.022	0.247	6.89E-05	Undiff-G	DHX15
PLK3	4.62E-09	-0.53879	0.022	0.243	6.90E-05	Undiff-G	PLK3
CSF2RA	4.67E-09	-0.88882	0	0.205	6.98E-05	Undiff-G	CSF2RA
NPM3	4.73E-09	-0.39654	0.007	0.219	7.06E-05	Undiff-G	NPM3
DNAJC15	4.73E-09	0.284273	0.103	0.393	7.07E-05	Undiff-G	DNAJC15
TMEM206	4.78E-09	-0.19308	0.015	0.233	7.14E-05	Undiff-G	TMEM206
RBFOX2	4.81E-09	-0.54726	0.007	0.218	7.19E-05	Undiff-G	RBFOX2
DERL1	4.86E-09	0.183566	0.059	0.316	7.27E-05	Undiff-G	DERL1
CCDC137	4.89E-09	-0.47619	0	0.204	7.30E-05	Undiff-G	CCDC137
MECP2	4.89E-09	-0.54553	0	0.204	7.30E-05	Undiff-G	MECP2
SLA	4.93E-09	-0.83458	0	0.204	7.37E-05	Undiff-G	SLA
BOLA3	4.98E-09	0.111157	0.074	0.339	7.44E-05	Undiff-G	BOLA3
BRWD1	5.00E-09	-0.43161	0.022	0.244	7.47E-05	Undiff-G	BRWD1
MSRA	5.04E-09	-0.32634	0.029	0.259	7.54E-05	Undiff-G	MSRA
SF3A3	5.06E-09	0.118424	0.044	0.288	7.56E-05	Undiff-G	SF3A3
VAT1	5.07E-09	-0.54067	0	0.204	7.57E-05	Undiff-G	VAT1
SOX9	5.10E-09	-0.35036	0.037	0.274	7.62E-05	Undiff-G	SOX9
BECN1	5.12E-09	-0.33067	0.015	0.232	7.65E-05	Undiff-G	BECN1
MMP2	5.13E-09	-0.55409	0.015	0.229	7.66E-05	Undiff-G	MMP2
SRP68	5.14E-09	-0.43658	0.015	0.232	7.69E-05	Undiff-G	SRP68
ARL1	5.21E-09	0.188974	0.059	0.316	7.79E-05	Undiff-G	ARL1
PSMB10	5.22E-09	-0.43519	0.029	0.258	7.79E-05	Undiff-G	PSMB10
IL10RB	5.22E-09	-0.31809	0.022	0.246	7.80E-05	Undiff-G	IL10RB
PCMTD2	5.32E-09	-0.2973	0.015	0.23	7.95E-05	Undiff-G	PCMTD2
HDHD2	5.32E-09	-0.16344	0.029	0.26	7.95E-05	Undiff-G	HDHD2
ELF1	5.33E-09	-0.19016	0.022	0.246	7.96E-05	Undiff-G	ELF1
TCEAL1	5.34E-09	-0.2751	0.029	0.258	7.98E-05	Undiff-G	TCEAL1
ACAT1	5.34E-09	0.332443	0.088	0.369	7.98E-05	Undiff-G	ACAT1
PMEPA1	5.40E-09	-0.5817	0	0.203	8.06E-05	Undiff-G	PMEPA1
PRKACB	5.46E-09	-0.49383	0.007	0.218	8.17E-05	Undiff-G	PRKACB
EIF2S3	5.48E-09	-0.10296	0.051	0.297	8.19E-05	Undiff-G	EIF2S3
PCBP4	5.49E-09	-0.37003	0.029	0.258	8.20E-05	Undiff-G	PCBP4
EFTUD2	5.52E-09	-0.49022	0.007	0.217	8.24E-05	Undiff-G	EFTUD2
PPIL3	5.53E-09	-0.52988	0.007	0.215	8.27E-05	Undiff-G	PPIL3
SYS1	5.53E-09	-0.3516	0.022	0.243	8.27E-05	Undiff-G	SYS1
SAR1A	5.54E-09	0.113785	0.051	0.301	8.28E-05	Undiff-G	SAR1A
ASRGL1	5.54E-09	-0.53936	0	0.203	8.28E-05	Undiff-G	ASRGL1
VPS36	5.54E-09	-0.56013	0	0.203	8.28E-05	Undiff-G	VPS36
USO1	5.56E-09	-0.32559	0.007	0.218	8.31E-05	Undiff-G	USO1
SORT1	5.58E-09	-0.33751	0.015	0.232	8.34E-05	Undiff-G	SORT1
UNC93B1	5.59E-09	-0.62536	0	0.203	8.36E-05	Undiff-G	UNC93B1
CTNND1	5.62E-09	-0.49352	0.007	0.217	8.40E-05	Undiff-G	CTNND1



QARS	5.71E-09	-0.28119	0.044	0.285	8.54E-05	Undiff-G	QARS
TTYH1	5.76E-09	-0.43413	0.037	0.271	8.61E-05	Undiff-G	TTYH1
SMIM20	5.81E-09	0.191134	0.074	0.343	8.68E-05	Undiff-G	SMIM20
KIAA1715	5.81E-09	-0.20938	0.029	0.258	8.69E-05	Undiff-G	KIAA1715
CSTF3	5.82E-09	-0.12919	0.037	0.27	8.70E-05	Undiff-G	CSTF3
DDX41	5.85E-09	-0.24276	0.022	0.245	8.74E-05	Undiff-G	DDX41
APOO	5.86E-09	-0.16583	0.015	0.231	8.76E-05	Undiff-G	APOO
PPHLN1	5.88E-09	0.43297	0.088	0.37	8.79E-05	Undiff-G	PPHLN1
SMARCD1	5.89E-09	-0.46332	0.007	0.217	8.80E-05	Undiff-G	SMARCD1
CAMK1	5.91E-09	-0.45501	0.015	0.228	8.83E-05	Undiff-G	CAMK1
SNRPA1	5.92E-09	0.153667	0.051	0.298	8.85E-05	Undiff-G	SNRPA1
CTNNBL1	5.98E-09	0.170438	0.051	0.299	8.94E-05	Undiff-G	CTNNBL1
RND3	5.98E-09	-0.35388	0.022	0.245	8.94E-05	Undiff-G	RND3
CHTOP	6.01E-09	0.355262	0.088	0.37	8.99E-05	Undiff-G	CHTOP
DNPEP	6.04E-09	-0.35587	0.022	0.244	9.03E-05	Undiff-G	DNPEP
GART	6.06E-09	-0.53223	0	0.202	9.06E-05	Undiff-G	GART
MRPS23	6.09E-09	0.379341	0.088	0.37	9.11E-05	Undiff-G	MRPS23
BFAR	6.13E-09	-0.25979	0.015	0.231	9.16E-05	Undiff-G	BFAR
DNM2	6.14E-09	-0.22294	0.022	0.245	9.18E-05	Undiff-G	DNM2
RNF141	6.19E-09	-0.34058	0.007	0.217	9.26E-05	Undiff-G	RNF141
ALDH9A1	6.22E-09	0.271191	0.074	0.342	9.29E-05	Undiff-G	ALDH9A1
DEAF1	6.22E-09	-0.4952	0.007	0.214	9.29E-05	Undiff-G	DEAF1
PGRMC2	6.23E-09	-0.37014	0.015	0.228	9.31E-05	Undiff-G	PGRMC2
ECI2	6.23E-09	0.124768	0.066	0.326	9.32E-05	Undiff-G	ECI2
SORL1	6.26E-09	-0.49922	0.015	0.23	9.35E-05	Undiff-G	SORL1
MYO6	6.39E-09	-0.53048	0.015	0.227	9.55E-05	Undiff-G	MYO6
PPIH	6.41E-09	-0.44563	0.015	0.23	9.57E-05	Undiff-G	PPIH
E2F4	6.41E-09	-0.47043	0.007	0.216	9.58E-05	Undiff-G	E2F4
TPM1	6.54E-09	-0.31489	0.029	0.255	9.78E-05	Undiff-G	TPM1
CD86	6.58E-09	-0.78278	0.007	0.216	9.84E-05	Undiff-G	CD86
HIBADH	6.59E-09	-0.16397	0.015	0.23	9.85E-05	Undiff-G	HIBADH
DAAM1	6.63E-09	-0.34473	0.022	0.243	9.91E-05	Undiff-G	DAAM1
S100A9	6.64E-09	-0.9593	0.015	0.226	9.92E-05	Undiff-G	S100A9
ERAL1	6.64E-09	-0.227	0.022	0.243	9.92E-05	Undiff-G	ERAL1
INSIG1	6.66E-09	-0.55394	0.015	0.229	9.96E-05	Undiff-G	INSIG1
AGPAT1	6.67E-09	-0.25022	0.015	0.229	9.97E-05	Undiff-G	AGPAT1
CREB1	6.69E-09	-0.25699	0.022	0.244	0.0001	Undiff-G	CREB1
HOMER3	6.74E-09	-0.21278	0.022	0.244	0.000101	Undiff-G	HOMER3
CCPG1	6.80E-09	-0.51237	0.007	0.215	0.000102	Undiff-G	CCPG1
ECI1	6.84E-09	-0.21105	0.007	0.216	0.000102	Undiff-G	ECI1
PDCL3	6.88E-09	0.125899	0.051	0.296	0.000103	Undiff-G	PDCL3
S100A4	6.93E-09	-0.30591	0.051	0.298	0.000104	Undiff-G	S100A4
ZNF146	6.96E-09	-0.26586	0.015	0.23	0.000104	Undiff-G	ZNF146
KLHDC8A	6.96E-09	-0.50556	0.029	0.253	0.000104	Undiff-G	KLHDC8A
ACOT7	7.00E-09	-0.44327	0.015	0.229	0.000105	Undiff-G	ACOT7
SRSF3	7.06E-09	0.444135	0.272	0.734	0.000105	Undiff-G	SRSF3
TMEM242	7.09E-09	-0.16867	0.022	0.243	0.000106	Undiff-G	TMEM242
PSME3	7.15E-09	-0.45131	0.015	0.229	0.000107	Undiff-G	PSME3
RAD51C	7.18E-09	-0.13932	0.037	0.269	0.000107	Undiff-G	RAD51C
HSD17B4	7.18E-09	-0.15939	0.022	0.244	0.000107	Undiff-G	HSD17B4
MSI2	7.20E-09	-0.13192	0.066	0.324	0.000108	Undiff-G	MSI2

RPS6KB2	7. 20E-09	-0. 36976	0. 015	0. 229	0. 000108	Undiff-G	RPS6KB2
PPP1CB	7. 20E-09	0. 300902	0. 162	0. 51	0. 000108	Undiff-G	PPP1CB
UBTF	7. 30E-09	-0. 34661	0. 015	0. 229	0. 000109	Undiff-G	UBTF
FABP7	7. 31E-09	-0. 17456	0. 103	0. 387	0. 000109	Undiff-G	FABP7
SP3	7. 35E-09	-0. 52214	0. 007	0. 212	0. 00011	Undiff-G	SP3
THUMPD1	7. 37E-09	-0. 52002	0. 007	0. 214	0. 00011	Undiff-G	THUMPD1
CBX6	7. 40E-09	-0. 1617	0. 022	0. 243	0. 000111	Undiff-G	CBX6
SLC2A3	7. 40E-09	-0. 23652	0. 029	0. 257	0. 000111	Undiff-G	SLC2A3
SNHG9	7. 43E-09	-0. 11501	0. 059	0. 307	0. 000111	Undiff-G	SNHG9
AK3	7. 45E-09	-0. 30451	0. 022	0. 24	0. 000111	Undiff-G	AK3
EEF1D	7. 54E-09	0. 266208	0. 331	0. 851	0. 000113	Undiff-G	EEF1D
C5AR1	7. 56E-09	-0. 52166	0. 022	0. 24	0. 000113	Undiff-G	C5AR1
PNPLA2	7. 58E-09	-0. 43472	0. 007	0. 215	0. 000113	Undiff-G	PNPLA2
CHORDC1	7. 58E-09	-0. 4686	0. 007	0. 215	0. 000113	Undiff-G	CHORDC1
NF1	7. 65E-09	-0. 4977	0. 015	0. 226	0. 000114	Undiff-G	NF1
COX14	7. 83E-09	0. 420043	0. 14	0. 464	0. 000117	Undiff-G	COX14
LGALS9	7. 93E-09	-0. 40841	0. 022	0. 243	0. 000118	Undiff-G	LGALS9
SPPL3	7. 93E-09	-0. 50775	0	0. 2	0. 000119	Undiff-G	SPPL3
RANBP2	7. 97E-09	-0. 55893	0. 007	0. 211	0. 000119	Undiff-G	RANBP2
UFL1	8. 05E-09	-0. 51247	0. 007	0. 214	0. 00012	Undiff-G	UFL1
EIF4G1	8. 06E-09	-0. 23843	0. 044	0. 28	0. 00012	Undiff-G	EIF4G1
VAPB	8. 15E-09	-0. 46519	0	0. 199	0. 000122	Undiff-G	VAPB
ARHGEF2	8. 21E-09	-0. 26753	0. 051	0. 292	0. 000123	Undiff-G	ARHGEF2
QSOX1	8. 33E-09	-0. 4516	0. 022	0. 239	0. 000125	Undiff-G	QSOX1
MGST2	8. 34E-09	-0. 20558	0. 029	0. 256	0. 000125	Undiff-G	MGST2
ARIH2	8. 34E-09	-0. 29104	0. 029	0. 253	0. 000125	Undiff-G	ARIH2
HTRA2	8. 40E-09	-0. 36581	0. 015	0. 227	0. 000126	Undiff-G	HTRA2
THRA	8. 43E-09	-0. 45593	0. 022	0. 241	0. 000126	Undiff-G	THRA
CASP3	8. 45E-09	-0. 51794	0	0. 199	0. 000126	Undiff-G	CASP3
OFD1	8. 51E-09	-0. 34274	0. 044	0. 277	0. 000127	Undiff-G	OFD1
PYGB	8. 58E-09	-0. 47323	0. 007	0. 213	0. 000128	Undiff-G	PYGB
NDN	8. 60E-09	-0. 49886	0	0. 199	0. 000129	Undiff-G	NDN
FNBP4	8. 66E-09	-0. 40477	0. 029	0. 254	0. 000129	Undiff-G	FNBP4
ATP5I	8. 67E-09	0. 314516	0. 279	0. 757	0. 00013	Undiff-G	ATP5I
TRIM13	8. 68E-09	-0. 52938	0. 029	0. 252	0. 00013	Undiff-G	TRIM13
SIAH2	8. 70E-09	-0. 50401	0. 007	0. 213	0. 00013	Undiff-G	SIAH2
CSE1L	8. 80E-09	-0. 42009	0. 015	0. 225	0. 000131	Undiff-G	CSE1L
TMEM223	9. 01E-09	-0. 20023	0. 015	0. 227	0. 000135	Undiff-G	TMEM223
TIMM17A	9. 01E-09	0. 393374	0. 096	0. 379	0. 000135	Undiff-G	TIMM17A
SIGIRR	9. 15E-09	-0. 56786	0	0. 198	0. 000137	Undiff-G	SIGIRR
OXR1	9. 17E-09	-0. 11503	0. 029	0. 254	0. 000137	Undiff-G	OXR1
AKAP8L	9. 18E-09	-0. 41759	0. 029	0. 252	0. 000137	Undiff-G	AKAP8L
NT5C3A	9. 20E-09	0. 291022	0. 051	0. 297	0. 000137	Undiff-G	NT5C3A
COQ5	9. 24E-09	-0. 54702	0	0. 198	0. 000138	Undiff-G	COQ5
FAM120A	9. 32E-09	-0. 41352	0. 007	0. 213	0. 000139	Undiff-G	FAM120A
TSPYL1	9. 45E-09	-0. 19328	0. 022	0. 24	0. 000141	Undiff-G	TSPYL1
EXOC1	9. 46E-09	-0. 28254	0. 029	0. 252	0. 000141	Undiff-G	EXOC1
MAGOHB	9. 49E-09	-0. 27666	0. 022	0. 24	0. 000142	Undiff-G	MAGOHB
WDR46	9. 59E-09	-0. 3722	0. 022	0. 238	0. 000143	Undiff-G	WDR46
HPCAL1	9. 59E-09	-0. 43434	0. 007	0. 212	0. 000143	Undiff-G	HPCAL1
IVNS1ABP	9. 65E-09	-0. 18782	0. 022	0. 24	0. 000144	Undiff-G	IVNS1ABP

PELI1	9.76E-09	-0.62054	0.007	0.211	0.000146	Undiff-G	PELI1
MTMR14	9.80E-09	-0.46216	0.015	0.224	0.000147	Undiff-G	MTMR14
RAB9A	9.81E-09	0.249956	0.059	0.307	0.000147	Undiff-G	RAB9A
GPN1	9.81E-09	-0.25563	0.015	0.226	0.000147	Undiff-G	GPN1
RNPEP	9.83E-09	-0.36773	0.015	0.226	0.000147	Undiff-G	RNPEP
FBXL15	9.92E-09	-0.54262	0	0.198	0.000148	Undiff-G	FBXL15
LRP10	1.00E-08	-0.2463	0.029	0.254	0.00015	Undiff-G	LRP10
MPZL1	1.00E-08	-0.19223	0.029	0.251	0.00015	Undiff-G	MPZL1
THAP7	1.01E-08	-0.44524	0.007	0.212	0.00015	Undiff-G	THAP7
METTL5	1.01E-08	0.264354	0.088	0.363	0.000151	Undiff-G	METTL5
RNF34	1.02E-08	-0.49095	0	0.197	0.000152	Undiff-G	RNF34
NUFIP2	1.03E-08	-0.44941	0.022	0.239	0.000153	Undiff-G	NUFIP2
SON	1.03E-08	0.43982	0.265	0.716	0.000154	Undiff-G	SON
WSB2	1.03E-08	-0.13393	0.015	0.226	0.000154	Undiff-G	WSB2
PDE4B	1.04E-08	-0.15922	0.044	0.279	0.000155	Undiff-G	PDE4B
WDR77	1.04E-08	-0.24344	0.007	0.212	0.000156	Undiff-G	WDR77
AIG1	1.05E-08	0.285488	0.074	0.337	0.000156	Undiff-G	AIG1
TOP2B	1.06E-08	-0.19132	0.022	0.24	0.000158	Undiff-G	TOP2B
KDM5A	1.06E-08	-0.45269	0.029	0.25	0.000158	Undiff-G	KDM5A
UTP6	1.07E-08	-0.36995	0.007	0.211	0.000159	Undiff-G	UTP6
ARFGAP2	1.08E-08	-0.10305	0.051	0.295	0.000161	Undiff-G	ARFGAP2
GGPS1	1.08E-08	0.154123	0.066	0.32	0.000162	Undiff-G	GGPS1
ENAH	1.10E-08	-0.14136	0.037	0.267	0.000164	Undiff-G	ENAH
TMEM218	1.12E-08	-0.31087	0.015	0.224	0.000167	Undiff-G	TMEM218
KLF4	1.13E-08	-0.75196	0.007	0.208	0.00017	Undiff-G	KLF4
ANKIB1	1.14E-08	-0.39315	0.007	0.211	0.000171	Undiff-G	ANKIB1
CCAR1	1.15E-08	-0.24789	0.029	0.252	0.000172	Undiff-G	CCAR1
XPA	1.15E-08	-0.44784	0.015	0.224	0.000172	Undiff-G	XPA
UTP11L	1.17E-08	0.156263	0.051	0.294	0.000174	Undiff-G	UTP11L
GNL3	1.17E-08	0.324374	0.081	0.349	0.000175	Undiff-G	GNL3
BHLHE41	1.17E-08	-0.58066	0.007	0.21	0.000175	Undiff-G	BHLHE41
CAT	1.17E-08	0.131697	0.059	0.308	0.000175	Undiff-G	CAT
TMPO	1.17E-08	-0.5392	0	0.196	0.000175	Undiff-G	TMPO
ETS2	1.18E-08	-0.69628	0.007	0.209	0.000176	Undiff-G	ETS2
SLC02B1	1.18E-08	-0.68005	0.015	0.223	0.000177	Undiff-G	SLC02B1
ABHD14A	1.19E-08	-0.23116	0.015	0.224	0.000178	Undiff-G	ABHD14A
KCTD5	1.21E-08	-0.22492	0.007	0.21	0.000181	Undiff-G	KCTD5
ACAT2	1.21E-08	0.121984	0.044	0.28	0.000181	Undiff-G	ACAT2
SLC43A2	1.21E-08	-0.36175	0.029	0.248	0.000181	Undiff-G	SLC43A2
EIF3B	1.22E-08	-0.32177	0.029	0.249	0.000182	Undiff-G	EIF3B
DFFA	1.23E-08	-0.26884	0.015	0.222	0.000183	Undiff-G	DFFA
GPANK1	1.23E-08	-0.49926	0	0.195	0.000183	Undiff-G	GPANK1
C7orf49	1.23E-08	-0.24203	0.007	0.21	0.000184	Undiff-G	C7orf49
SPRY2	1.24E-08	-0.53521	0.015	0.22	0.000185	Undiff-G	SPRY2
KANSL1-AS	1.24E-08	-0.52707	0	0.195	0.000185	Undiff-G	KANSL1-AS1
ZMYND8	1.24E-08	-0.32344	0.007	0.21	0.000186	Undiff-G	ZMYND8
ARL3	1.24E-08	0.288898	0.081	0.349	0.000186	Undiff-G	ARL3
MNAT1	1.26E-08	-0.50693	0	0.195	0.000188	Undiff-G	MNAT1
C12orf75	1.26E-08	-0.57509	0	0.195	0.000188	Undiff-G	C12orf75
LYSMD2	1.28E-08	-0.49438	0	0.195	0.000192	Undiff-G	LYSMD2
CHPF	1.31E-08	-0.39193	0.037	0.261	0.000196	Undiff-G	CHPF

HERPUD1	1. 31E-08	0. 374298	0. 235	0. 647	0. 000196	Undiff-G	HERPUD1
DEXI	1. 33E-08	-0. 44408	0. 007	0. 209	0. 000199	Undiff-G	DEXI
ETFA	1. 35E-08	0. 395673	0. 096	0. 375	0. 000202	Undiff-G	ETFA
PEX10	1. 35E-08	-0. 45591	0	0. 195	0. 000202	Undiff-G	PEX10
PLS3	1. 36E-08	-0. 26518	0. 015	0. 223	0. 000203	Undiff-G	PLS3
ZNF326	1. 37E-08	-0. 34347	0. 029	0. 25	0. 000205	Undiff-G	ZNF326
LINC01003	1. 38E-08	-0. 47282	0	0. 194	0. 000206	Undiff-G	LINC01003
NEK6	1. 40E-08	0. 117652	0. 051	0. 292	0. 000209	Undiff-G	NEK6
PLIN3	1. 40E-08	0. 353862	0. 088	0. 361	0. 000209	Undiff-G	PLIN3
NUDT14	1. 40E-08	-0. 61055	0	0. 194	0. 00021	Undiff-G	NUDT14
ING2	1. 41E-08	-0. 38363	0. 007	0. 209	0. 00021	Undiff-G	ING2
DNM1L	1. 41E-08	-0. 25794	0. 022	0. 234	0. 000211	Undiff-G	DNM1L
MAN1A2	1. 42E-08	-0. 45835	0. 007	0. 206	0. 000213	Undiff-G	MAN1A2
CCS	1. 42E-08	-0. 13278	0. 037	0. 262	0. 000213	Undiff-G	CCS
LYZ	1. 43E-08	-0. 65013	0. 007	0. 208	0. 000214	Undiff-G	LYZ
ZMYM2	1. 44E-08	-0. 52162	0. 007	0. 207	0. 000215	Undiff-G	ZMYM2
HNRNPA1	1. 44E-08	0. 276205	0. 346	0. 883	0. 000216	Undiff-G	HNRNPA1
MFSD10	1. 45E-08	0. 112432	0. 059	0. 304	0. 000216	Undiff-G	MFSD10
CHD6	1. 45E-08	-0. 42762	0. 029	0. 247	0. 000216	Undiff-G	CHD6
CD300A	1. 45E-08	-0. 80173	0	0. 194	0. 000217	Undiff-G	CD300A
TRIM24	1. 47E-08	-0. 45313	0	0. 194	0. 000219	Undiff-G	TRIM24
PFKFB3	1. 50E-08	-0. 33907	0. 029	0. 246	0. 000224	Undiff-G	PFKFB3
SLAIN1	1. 50E-08	-0. 59452	0. 007	0. 205	0. 000224	Undiff-G	SLAIN1
RSBN1	1. 51E-08	-0. 20845	0. 015	0. 219	0. 000226	Undiff-G	RSBN1
BANF1	1. 51E-08	0. 478993	0. 243	0. 666	0. 000226	Undiff-G	BANF1
SNRNP40	1. 53E-08	0. 210047	0. 074	0. 332	0. 000229	Undiff-G	SNRNP40
PPP2R5E	1. 55E-08	-0. 25431	0. 029	0. 25	0. 000231	Undiff-G	PPP2R5E
PGAM1	1. 57E-08	0. 530694	0. 162	0. 505	0. 000235	Undiff-G	PGAM1
UBE2H	1. 58E-08	-0. 16275	0. 037	0. 262	0. 000237	Undiff-G	UBE2H
IFI30	1. 60E-08	-0. 51999	0. 015	0. 222	0. 000239	Undiff-G	IFI30
SPTAN1	1. 60E-08	-0. 22574	0. 037	0. 263	0. 000239	Undiff-G	SPTAN1
TIMM50	1. 62E-08	0. 165059	0. 066	0. 313	0. 000242	Undiff-G	TIMM50
FCGBP	1. 62E-08	-0. 70883	0. 022	0. 232	0. 000243	Undiff-G	FCGBP
1-Mar	1. 63E-08	-0. 65762	0	0. 193	0. 000244	Undiff-G	1-Mar
LONP1	1. 64E-08	-0. 42635	0. 007	0. 207	0. 000245	Undiff-G	LONP1
AZI2	1. 66E-08	0. 135685	0. 059	0. 304	0. 000248	Undiff-G	AZI2
SLC30A5	1. 66E-08	-0. 21573	0. 007	0. 207	0. 000249	Undiff-G	SLC30A5
TMF1	1. 69E-08	-0. 21583	0. 015	0. 221	0. 000253	Undiff-G	TMF1
RPA3	1. 69E-08	0. 340259	0. 081	0. 346	0. 000253	Undiff-G	RPA3
FLAD1	1. 69E-08	-0. 35477	0. 022	0. 234	0. 000253	Undiff-G	FLAD1
PTCD3	1. 71E-08	-0. 42545	0. 022	0. 232	0. 000256	Undiff-G	PTCD3
MAP1A	1. 73E-08	-0. 15819	0. 022	0. 232	0. 000258	Undiff-G	MAP1A
PREX1	1. 73E-08	-0. 45665	0. 015	0. 22	0. 000258	Undiff-G	PREX1
GSK3A	1. 73E-08	-0. 4594	0	0. 192	0. 000259	Undiff-G	GSK3A
GADD45G	1. 74E-08	-0. 56867	0. 037	0. 258	0. 00026	Undiff-G	GADD45G
RAP1B	1. 74E-08	0. 349713	0. 132	0. 438	0. 00026	Undiff-G	RAP1B
HNMT	1. 74E-08	-0. 33667	0. 015	0. 221	0. 000261	Undiff-G	HNMT
SOCS6	1. 75E-08	-0. 51461	0. 022	0. 232	0. 000261	Undiff-G	SOCS6
PRPF8	1. 75E-08	-0. 14249	0. 037	0. 259	0. 000261	Undiff-G	PRPF8
DDX42	1. 75E-08	-0. 20755	0. 015	0. 221	0. 000262	Undiff-G	DDX42
SURF2	1. 75E-08	-0. 15306	0. 022	0. 234	0. 000262	Undiff-G	SURF2

LUC7L	1.75E-08	-0.28574	0.029	0.248	0.000262	Undiff-G	LUC7L
ZNF593	1.76E-08	0.286302	0.059	0.304	0.000264	Undiff-G	ZNF593
C6orf226	1.76E-08	-0.50329	0	0.192	0.000264	Undiff-G	C6orf226
VCAN	1.78E-08	-0.19075	0.029	0.249	0.000265	Undiff-G	VCAN
ARPC1A	1.78E-08	0.507641	0.191	0.562	0.000266	Undiff-G	ARPC1A
ZSCAN18	1.78E-08	-0.43392	0.022	0.234	0.000266	Undiff-G	ZSCAN18
ANKRD17	1.78E-08	-0.40789	0.015	0.219	0.000267	Undiff-G	ANKRD17
RPF1	1.82E-08	-0.12693	0.029	0.248	0.000272	Undiff-G	RPF1
SPCS2	1.82E-08	0.481952	0.272	0.735	0.000272	Undiff-G	SPCS2
GALNT2	1.82E-08	-0.36909	0.029	0.246	0.000272	Undiff-G	GALNT2
CHST12	1.82E-08	-0.11403	0.029	0.248	0.000272	Undiff-G	CHST12
RELA	1.83E-08	-0.29261	0.007	0.206	0.000274	Undiff-G	RELA
RAB21	1.83E-08	-0.25965	0.007	0.206	0.000274	Undiff-G	RAB21
CDKN2C	1.84E-08	-0.10943	0.051	0.285	0.000275	Undiff-G	CDKN2C
ABHD2	1.84E-08	-0.14259	0.022	0.232	0.000275	Undiff-G	ABHD2
HEBP1	1.84E-08	-0.54929	0	0.191	0.000276	Undiff-G	HEBP1
IFT27	1.86E-08	-0.2248	0.037	0.259	0.000278	Undiff-G	IFT27
EFCAB14	1.86E-08	-0.46932	0.007	0.205	0.000278	Undiff-G	EFCAB14
FAF2	1.86E-08	-0.47856	0	0.191	0.000278	Undiff-G	FAF2
NDUFB7	1.87E-08	0.413	0.272	0.725	0.000279	Undiff-G	NDUFB7
UNC119	1.87E-08	-0.28091	0.015	0.219	0.000279	Undiff-G	UNC119
EXOSC7	1.87E-08	-0.17568	0.022	0.231	0.00028	Undiff-G	EXOSC7
RAB28	1.87E-08	-0.39231	0.015	0.22	0.00028	Undiff-G	RAB28
APOC2	1.88E-08	-1.00614	0	0.191	0.00028	Undiff-G	APOC2
ERGIC3	1.89E-08	0.467988	0.206	0.58	0.000283	Undiff-G	ERGIC3
CERS2	1.90E-08	-0.22127	0.022	0.234	0.000283	Undiff-G	CERS2
TNFSF13B	1.90E-08	-0.49111	0.007	0.206	0.000284	Undiff-G	TNFSF13B
BCAT1	1.91E-08	-0.29789	0.022	0.234	0.000285	Undiff-G	BCAT1
FNDC3A	1.91E-08	-0.48508	0.015	0.217	0.000286	Undiff-G	FNDC3A
ID4	1.92E-08	-0.61351	0.015	0.218	0.000288	Undiff-G	ID4
BDP1	1.92E-08	-0.24286	0.029	0.247	0.000288	Undiff-G	BDP1
PDE6D	1.93E-08	-0.49563	0	0.191	0.000288	Undiff-G	PDE6D
ZSCAN16-A	1.93E-08	-0.36207	0.037	0.26	0.000289	Undiff-G	ZSCAN16-AS1
SPATS2	1.94E-08	-0.22136	0.037	0.261	0.00029	Undiff-G	SPATS2
ZMPSTE24	1.94E-08	-0.35522	0.015	0.22	0.00029	Undiff-G	ZMPSTE24
SWI5	1.95E-08	-0.11253	0.029	0.248	0.000291	Undiff-G	SWI5
IER5	1.95E-08	-0.55095	0.007	0.205	0.000292	Undiff-G	IER5
IAH1	1.96E-08	0.453746	0.125	0.424	0.000293	Undiff-G	IAH1
ATP5SL	1.97E-08	-0.27543	0.022	0.233	0.000294	Undiff-G	ATP5SL
THY1	1.98E-08	-0.33925	0.037	0.258	0.000296	Undiff-G	THY1
NCOR2	1.98E-08	-0.21324	0.022	0.233	0.000297	Undiff-G	NCOR2
UBA1	1.99E-08	0.305099	0.081	0.345	0.000297	Undiff-G	UBA1
ZC3H14	2.00E-08	-0.2582	0.007	0.205	0.000299	Undiff-G	ZC3H14
LRRC47	2.02E-08	-0.43683	0.015	0.219	0.000302	Undiff-G	LRRC47
COX19	2.03E-08	-0.22457	0.022	0.233	0.000303	Undiff-G	COX19
MXD4	2.03E-08	-0.49134	0	0.191	0.000304	Undiff-G	MXD4
PRADC1	2.05E-08	-0.406	0.015	0.219	0.000306	Undiff-G	PRADC1
CNOT2	2.06E-08	0.127847	0.059	0.301	0.000308	Undiff-G	CNOT2
SRRT	2.09E-08	-0.18574	0.015	0.219	0.000312	Undiff-G	SRRT
PYCR2	2.10E-08	-0.23048	0.029	0.244	0.000314	Undiff-G	PYCR2
LTA4H	2.10E-08	-0.3964	0.022	0.232	0.000314	Undiff-G	LTA4H

ZMAT3	2.13E-08	-0.44095	0.007	0.204	0.000319	Undiff-G	ZMAT3
CUL3	2.13E-08	-0.47571	0.007	0.202	0.000319	Undiff-G	CUL3
LMBRD1	2.14E-08	-0.27254	0.015	0.219	0.000319	Undiff-G	LMBRD1
POU3F2	2.14E-08	-0.50578	0.015	0.218	0.000321	Undiff-G	POU3F2
HNRNPA2B1	2.15E-08	0.293204	0.324	0.851	0.000321	Undiff-G	HNRNPA2B1
CAMK2D	2.16E-08	-0.14405	0.029	0.246	0.000322	Undiff-G	CAMK2D
ZDHHC24	2.16E-08	-0.46824	0	0.19	0.000323	Undiff-G	ZDHHC24
LRRFIP2	2.18E-08	-0.46104	0	0.19	0.000326	Undiff-G	LRRFIP2
PRRC2A	2.18E-08	-0.18465	0.029	0.245	0.000326	Undiff-G	PRRC2A
IGFBP7	2.19E-08	-0.32367	0.044	0.271	0.000327	Undiff-G	IGFBP7
IGSF8	2.21E-08	-0.51502	0.015	0.215	0.00033	Undiff-G	IGSF8
SLC12A9	2.21E-08	-0.49969	0.007	0.204	0.00033	Undiff-G	SLC12A9
REEP2	2.23E-08	-0.18694	0.007	0.204	0.000333	Undiff-G	REEP2
SV2A	2.24E-08	-0.33779	0.007	0.204	0.000335	Undiff-G	SV2A
SMCHD1	2.26E-08	-0.46239	0	0.19	0.000337	Undiff-G	SMCHD1
THOP1	2.26E-08	-0.42486	0.007	0.204	0.000338	Undiff-G	THOP1
MBOAT7	2.27E-08	-0.27269	0.029	0.245	0.000339	Undiff-G	MBOAT7
USP9X	2.28E-08	-0.3314	0.007	0.204	0.000341	Undiff-G	USP9X
CIB1	2.29E-08	0.418625	0.162	0.496	0.000342	Undiff-G	CIB1
TMEM189	2.30E-08	-0.45062	0	0.189	0.000343	Undiff-G	TMEM189
COX8A	2.30E-08	0.453149	0.287	0.776	0.000344	Undiff-G	COX8A
CARHSP1	2.31E-08	0.414529	0.125	0.426	0.000345	Undiff-G	CARHSP1
GLA	2.31E-08	-0.4463	0.015	0.218	0.000346	Undiff-G	GLA
USB1	2.32E-08	-0.23181	0.022	0.232	0.000347	Undiff-G	USB1
KHDRBS3	2.34E-08	-0.22878	0.015	0.217	0.00035	Undiff-G	KHDRBS3
RPP14	2.36E-08	-0.47052	0	0.189	0.000352	Undiff-G	RPP14
TMEM9	2.37E-08	0.253452	0.096	0.37	0.000354	Undiff-G	TMEM9
LYRM7	2.38E-08	-0.40012	0.007	0.203	0.000356	Undiff-G	LYRM7
USP10	2.39E-08	-0.10688	0.029	0.245	0.000357	Undiff-G	USP10
NAA15	2.41E-08	-0.27528	0.015	0.218	0.00036	Undiff-G	NAA15
PSME2	2.41E-08	0.429339	0.191	0.562	0.000361	Undiff-G	PSME2
BLVRA	2.42E-08	0.35209	0.081	0.343	0.000361	Undiff-G	BLVRA
DSEL	2.42E-08	-0.52789	0.022	0.227	0.000361	Undiff-G	DSEL
SREK1	2.44E-08	0.127659	0.074	0.325	0.000365	Undiff-G	SREK1
TXN	2.44E-08	0.462714	0.243	0.671	0.000365	Undiff-G	TXN
MGAT2	2.44E-08	-0.45981	0	0.189	0.000365	Undiff-G	MGAT2
FUBP3	2.46E-08	-0.37782	0.029	0.242	0.000368	Undiff-G	FUBP3
EDEM2	2.46E-08	-0.16005	0.029	0.243	0.000368	Undiff-G	EDEM2
GMPR2	2.51E-08	-0.15883	0.015	0.217	0.000375	Undiff-G	GMPR2
CISD1	2.52E-08	0.252607	0.081	0.34	0.000376	Undiff-G	CISD1
SMC4	2.53E-08	-0.50499	0.015	0.214	0.000379	Undiff-G	SMC4
ZNF644	2.54E-08	-0.18991	0.037	0.255	0.000379	Undiff-G	ZNF644
HNRNPA1L2	2.54E-08	-0.35702	0.007	0.203	0.000379	Undiff-G	HNRNPA1L2
NPL	2.56E-08	-0.52607	0.007	0.203	0.000382	Undiff-G	NPL
FOSL2	2.57E-08	-0.55873	0	0.188	0.000385	Undiff-G	FOSL2
CLINT1	2.58E-08	-0.42242	0.007	0.203	0.000385	Undiff-G	CLINT1
TMA16	2.58E-08	-0.33104	0.007	0.203	0.000386	Undiff-G	TMA16
C19orf48	2.63E-08	-0.39485	0.022	0.23	0.000393	Undiff-G	C19orf48
KLF3	2.63E-08	-0.30087	0.015	0.217	0.000393	Undiff-G	KLF3
C17orf58	2.64E-08	-0.44066	0	0.188	0.000395	Undiff-G	C17orf58
MAP3K2	2.65E-08	-0.43906	0.007	0.202	0.000396	Undiff-G	MAP3K2

NTAN1	2.66E-08	-0.47229	0.007	0.202	0.000398	Undiff-G	NTAN1
SRPRB	2.68E-08	0.111736	0.037	0.258	0.0004	Undiff-G	SRPRB
ASCL1	2.69E-08	-0.61715	0	0.188	0.000402	Undiff-G	ASCL1
DRG2	2.72E-08	-0.28772	0.007	0.202	0.000407	Undiff-G	DRG2
REST	2.74E-08	-0.4521	0.007	0.2	0.000409	Undiff-G	REST
MCM7	2.76E-08	-0.19945	0.037	0.257	0.000412	Undiff-G	MCM7
CYSTM1	2.77E-08	0.319093	0.074	0.327	0.000413	Undiff-G	CYSTM1
SEMA6A	2.79E-08	-0.4526	0.007	0.202	0.000417	Undiff-G	SEMA6A
IFNAR2	2.80E-08	-0.44253	0.007	0.202	0.000418	Undiff-G	IFNAR2
MTSS1	2.83E-08	-0.55603	0.015	0.215	0.000422	Undiff-G	MTSS1
CBWD1	2.85E-08	-0.33572	0.015	0.216	0.000426	Undiff-G	CBWD1
FIP1L1	2.87E-08	0.257519	0.059	0.299	0.000429	Undiff-G	FIP1L1
ENC1	2.89E-08	-0.3903	0.022	0.227	0.000432	Undiff-G	ENC1
ZC3H11A	2.89E-08	-0.32719	0.007	0.202	0.000432	Undiff-G	ZC3H11A
ZNF281	2.91E-08	-0.49166	0	0.187	0.000435	Undiff-G	ZNF281
ACER3	2.91E-08	-0.55924	0	0.187	0.000435	Undiff-G	ACER3
ATP6V1A	2.93E-08	-0.45566	0.007	0.201	0.000438	Undiff-G	ATP6V1A
ZBTB80S	2.94E-08	0.199003	0.059	0.297	0.000439	Undiff-G	ZBTB80S
RP11-553L	2.97E-08	-0.41288	0.022	0.229	0.000444	Undiff-G	RP11-553L6.5
ENTPD6	2.97E-08	-0.45627	0.007	0.201	0.000445	Undiff-G	ENTPD6
COMMD8	3.00E-08	-0.21951	0.022	0.227	0.000448	Undiff-G	COMMD8
NAGA	3.01E-08	-0.64291	0	0.187	0.00045	Undiff-G	NAGA
ABCA1	3.03E-08	-0.421	0.029	0.241	0.000453	Undiff-G	ABCA1
CHST11	3.05E-08	-0.46568	0.015	0.215	0.000456	Undiff-G	CHST11
UBQLN1	3.08E-08	0.168816	0.051	0.284	0.00046	Undiff-G	UBQLN1
ABI1	3.10E-08	-0.14913	0.029	0.243	0.000463	Undiff-G	ABI1
WDR82	3.11E-08	-0.16884	0.037	0.257	0.000464	Undiff-G	WDR82
MBNL1	3.12E-08	-0.43131	0.022	0.226	0.000467	Undiff-G	MBNL1
TMEM176A	3.12E-08	-0.26779	0.022	0.229	0.000467	Undiff-G	TMEM176A
IRF2	3.13E-08	-0.52613	0.007	0.2	0.000467	Undiff-G	IRF2
HINT3	3.13E-08	-0.33126	0.007	0.201	0.000468	Undiff-G	HINT3
BCAN	3.15E-08	-0.36692	0.051	0.278	0.000471	Undiff-G	BCAN
MESDC2	3.20E-08	0.533074	0.118	0.407	0.000478	Undiff-G	MESDC2
OLFML3	3.20E-08	-0.38339	0.022	0.229	0.000478	Undiff-G	OLFML3
ISCA2	3.21E-08	0.251062	0.051	0.284	0.00048	Undiff-G	ISCA2
EPM2AIP1	3.24E-08	-0.31686	0.007	0.2	0.000485	Undiff-G	EPM2AIP1
SMIM14	3.24E-08	0.356979	0.081	0.333	0.000485	Undiff-G	SMIM14
GOSR1	3.25E-08	0.134304	0.044	0.27	0.000486	Undiff-G	GOSR1
OXLD1	3.26E-08	-0.21397	0.037	0.255	0.000487	Undiff-G	OXLD1
HRSP12	3.29E-08	-0.39656	0.007	0.2	0.000492	Undiff-G	HRSP12
MED10	3.32E-08	0.471827	0.162	0.487	0.000496	Undiff-G	MED10
GPCPD1	3.33E-08	-0.34737	0.007	0.2	0.000497	Undiff-G	GPCPD1
WASL	3.35E-08	-0.4453	0	0.186	0.0005	Undiff-G	WASL
SMIM4	3.36E-08	0.105784	0.044	0.27	0.000502	Undiff-G	SMIM4
MAP3K8	3.38E-08	-0.74879	0	0.186	0.000504	Undiff-G	MAP3K8
TIAL1	3.38E-08	-0.22163	0.022	0.228	0.000505	Undiff-G	TIAL1
IPO7	3.42E-08	-0.32103	0.015	0.214	0.000511	Undiff-G	IPO7
LYRM1	3.43E-08	-0.51441	0	0.185	0.000513	Undiff-G	LYRM1
HDAC1	3.44E-08	-0.1629	0.022	0.228	0.000514	Undiff-G	HDAC1
CETN2	3.45E-08	0.353927	0.074	0.325	0.000515	Undiff-G	CETN2
PKN2	3.48E-08	-0.33833	0.015	0.213	0.00052	Undiff-G	PKN2

TMX1	3.49E-08	0.344891	0.118	0.406	0.000521	Undiff-G	TMX1
SAP30BP	3.49E-08	0.32764	0.096	0.365	0.000521	Undiff-G	SAP30BP
C1orf54	3.49E-08	-0.36871	0.022	0.228	0.000522	Undiff-G	C1orf54
TAF10	3.50E-08	-0.11595	0.022	0.228	0.000523	Undiff-G	TAF10
RNMT	3.52E-08	0.276923	0.066	0.306	0.000526	Undiff-G	RNMT
GSK3B	3.53E-08	-0.39537	0.007	0.2	0.000527	Undiff-G	GSK3B
INIP	3.60E-08	-0.27197	0.007	0.199	0.000538	Undiff-G	INIP
RBP1	3.60E-08	0.439277	0.147	0.463	0.000538	Undiff-G	RBP1
PSPC1	3.61E-08	-0.3783	0.015	0.213	0.000539	Undiff-G	PSPC1
EVI2A	3.61E-08	-0.57115	0.022	0.225	0.000539	Undiff-G	EVI2A
HMBS	3.62E-08	-0.45092	0.007	0.199	0.000541	Undiff-G	HMBS
SNAPC5	3.62E-08	-0.13305	0.015	0.214	0.000541	Undiff-G	SNAPC5
ZNF677	3.63E-08	-0.29187	0.007	0.199	0.000542	Undiff-G	ZNF677
ARHGEF1	3.65E-08	-0.50939	0.007	0.199	0.000545	Undiff-G	ARHGEF1
EFHD2	3.65E-08	-0.46393	0.015	0.213	0.000546	Undiff-G	EFHD2
FLNA	3.68E-08	-0.34352	0.037	0.253	0.00055	Undiff-G	FLNA
ISOC2	3.70E-08	0.386178	0.088	0.352	0.000552	Undiff-G	ISOC2
PHAX	3.73E-08	0.226888	0.066	0.308	0.000558	Undiff-G	PHAX
ABHD3	3.75E-08	-0.51344	0	0.185	0.00056	Undiff-G	ABHD3
PPM1K	3.75E-08	-0.30796	0.022	0.227	0.00056	Undiff-G	PPM1K
TFRC	3.77E-08	-0.58067	0.015	0.211	0.000563	Undiff-G	TFRC
LZIC	3.78E-08	-0.48651	0	0.184	0.000565	Undiff-G	LZIC
RNASEH2A	3.81E-08	-0.18031	0.015	0.213	0.000569	Undiff-G	RNASEH2A
PI4KB	3.84E-08	-0.43408	0.015	0.212	0.000574	Undiff-G	PI4KB
HBB	3.84E-08	0.44019	0.118	0.402	0.000574	Undiff-G	HBB
PTPN18	3.88E-08	-0.24158	0.015	0.213	0.00058	Undiff-G	PTPN18
TMEM141	3.88E-08	0.118909	0.037	0.255	0.000581	Undiff-G	TMEM141
NUP214	3.89E-08	-0.63482	0.007	0.197	0.000582	Undiff-G	NUP214
C2orf69	3.94E-08	-0.4618	0.007	0.196	0.000589	Undiff-G	C2orf69
COPS2	3.94E-08	-0.41324	0.015	0.212	0.000589	Undiff-G	COPS2
NNAT	3.95E-08	-0.91355	0.007	0.198	0.00059	Undiff-G	NNAT
PLXDC2	3.95E-08	-0.52738	0.015	0.211	0.000591	Undiff-G	PLXDC2
PANK2	3.96E-08	-0.4315	0.015	0.21	0.000592	Undiff-G	PANK2
RBMS1	3.96E-08	-0.18543	0.037	0.252	0.000592	Undiff-G	RBMS1
SPATC1L	3.96E-08	-0.42101	0.007	0.197	0.000592	Undiff-G	SPATC1L
SCAMP3	3.97E-08	0.214534	0.059	0.293	0.000593	Undiff-G	SCAMP3
CDC16	3.97E-08	-0.39777	0.007	0.198	0.000593	Undiff-G	CDC16
CSRP1	3.97E-08	-0.21338	0.029	0.241	0.000594	Undiff-G	CSRP1
OGFOD3	3.98E-08	-0.33034	0.022	0.224	0.000595	Undiff-G	OGFOD3
EPB41L4A-AS1	3.99E-08	0.176379	0.059	0.296	0.000596	Undiff-G	EPB41L4A-AS1
ALCAM	4.01E-08	-0.51278	0.007	0.198	0.0006	Undiff-G	ALCAM
ARHGAP21	4.03E-08	-0.37389	0.037	0.253	0.000602	Undiff-G	ARHGAP21
PITPNA	4.05E-08	-0.42333	0	0.184	0.000606	Undiff-G	PITPNA
ACTR1B	4.06E-08	-0.42246	0.015	0.212	0.000607	Undiff-G	ACTR1B
STOM	4.07E-08	-0.14885	0.037	0.254	0.000608	Undiff-G	STOM
ERBB2IP	4.07E-08	-0.27462	0.022	0.224	0.000608	Undiff-G	ERBB2IP
VEZF1	4.10E-08	-0.12402	0.029	0.24	0.000612	Undiff-G	VEZF1
HELZ	4.11E-08	-0.42166	0.007	0.198	0.000614	Undiff-G	HELZ
ATP2C1	4.11E-08	-0.24499	0.022	0.226	0.000614	Undiff-G	ATP2C1
LPCAT1	4.12E-08	-0.48765	0	0.184	0.000616	Undiff-G	LPCAT1
ITSN2	4.12E-08	-0.50079	0	0.184	0.000616	Undiff-G	ITSN2



SNRNP35	4. 14E-08	-0. 34024	0. 007	0. 198	0. 000618	Undiff-G	SNRNP35
8-Sep	4. 14E-08	-0. 47887	0. 007	0. 198	0. 000619	Undiff-G	8-Sep
RING1	4. 15E-08	-0. 16947	0. 044	0. 264	0. 00062	Undiff-G	RING1
SDCCAG8	4. 17E-08	0. 216503	0. 081	0. 332	0. 000624	Undiff-G	SDCCAG8
LTBP3	4. 18E-08	-0. 30281	0. 015	0. 212	0. 000624	Undiff-G	LTBP3
CNOT8	4. 20E-08	-0. 4762	0	0. 183	0. 000627	Undiff-G	CNOT8
CCNG2	4. 20E-08	-0. 53983	0	0. 183	0. 000627	Undiff-G	CCNG2
MIA3	4. 20E-08	-0. 25455	0. 015	0. 212	0. 000628	Undiff-G	MIA3
AAED1	4. 23E-08	-0. 49176	0	0. 183	0. 000632	Undiff-G	AAED1
SAT2	4. 25E-08	0. 4457	0. 213	0. 59	0. 000635	Undiff-G	SAT2
LY6E	4. 25E-08	0. 277004	0. 103	0. 379	0. 000636	Undiff-G	LY6E
SUZ12	4. 27E-08	-0. 42744	0. 007	0. 197	0. 000639	Undiff-G	SUZ12
DCAF8	4. 36E-08	-0. 2432	0. 015	0. 21	0. 000651	Undiff-G	DCAF8
TOMM5	4. 39E-08	-0. 39905	0. 015	0. 211	0. 000656	Undiff-G	TOMM5
ZHX1	4. 45E-08	-0. 37127	0. 015	0. 211	0. 000665	Undiff-G	ZHX1
TCOF1	4. 45E-08	-0. 49273	0. 007	0. 197	0. 000665	Undiff-G	TCOF1
TMED4	4. 46E-08	0. 488729	0. 14	0. 441	0. 000667	Undiff-G	TMED4
RNF14	4. 47E-08	-0. 42911	0. 007	0. 197	0. 000668	Undiff-G	RNF14
SIRT6	4. 51E-08	-0. 25843	0. 007	0. 197	0. 000674	Undiff-G	SIRT6
LYPLA2	4. 52E-08	-0. 18584	0. 022	0. 223	0. 000675	Undiff-G	LYPLA2
AXL	4. 54E-08	-0. 76296	0	0. 183	0. 000678	Undiff-G	AXL
HMGXB4	4. 60E-08	-0. 34676	0. 022	0. 225	0. 000688	Undiff-G	HMGXB4
IL18	4. 62E-08	-0. 79257	0. 007	0. 195	0. 00069	Undiff-G	IL18
CTBP1	4. 65E-08	-0. 28918	0. 022	0. 225	0. 000696	Undiff-G	CTBP1
GNA13	4. 70E-08	-0. 56676	0	0. 182	0. 000702	Undiff-G	GNA13
GFER	4. 70E-08	-0. 30411	0. 015	0. 211	0. 000702	Undiff-G	GFER
ARHGAP5	4. 72E-08	-0. 45248	0. 007	0. 196	0. 000705	Undiff-G	ARHGAP5
PRRC2B	4. 72E-08	-0. 14464	0. 029	0. 239	0. 000705	Undiff-G	PRRC2B
GLUD1	4. 72E-08	-0. 18627	0. 037	0. 25	0. 000705	Undiff-G	GLUD1
SLC25A1	4. 75E-08	-0. 31947	0. 007	0. 197	0. 00071	Undiff-G	SLC25A1
RBM4	4. 77E-08	-0. 41495	0. 022	0. 222	0. 000713	Undiff-G	RBM4
FBX011	4. 79E-08	-0. 44133	0. 015	0. 208	0. 000716	Undiff-G	FBX011
CDC25B	4. 82E-08	-0. 4701	0. 007	0. 196	0. 000721	Undiff-G	CDC25B
PSD3	4. 83E-08	-0. 254	0. 007	0. 196	0. 000722	Undiff-G	PSD3
GPR137	4. 85E-08	-0. 19904	0. 015	0. 211	0. 000725	Undiff-G	GPR137
NUDT9	4. 85E-08	-0. 1452	0. 022	0. 225	0. 000725	Undiff-G	NUDT9
WDR33	4. 87E-08	0. 298995	0. 066	0. 303	0. 000727	Undiff-G	WDR33
WBP11	4. 88E-08	0. 275711	0. 059	0. 294	0. 000729	Undiff-G	WBP11
TSEN15	4. 89E-08	-0. 39559	0. 029	0. 235	0. 00073	Undiff-G	TSEN15
ZKSCAN1	4. 98E-08	0. 207264	0. 074	0. 319	0. 000744	Undiff-G	ZKSCAN1
NR3C1	4. 99E-08	-0. 29117	0. 037	0. 251	0. 000746	Undiff-G	NR3C1
PTPN12	4. 99E-08	-0. 18786	0. 022	0. 224	0. 000746	Undiff-G	PTPN12
CALCOCO2	5. 03E-08	-0. 51419	0. 007	0. 196	0. 000752	Undiff-G	CALCOCO2
ACTR10	5. 06E-08	0. 455352	0. 096	0. 363	0. 000756	Undiff-G	ACTR10
PIGF	5. 07E-08	0. 227871	0. 059	0. 29	0. 000758	Undiff-G	PIGF
ARC	5. 08E-08	-0. 52183	0. 015	0. 21	0. 000759	Undiff-G	ARC
CIZ1	5. 12E-08	-0. 43978	0	0. 181	0. 000765	Undiff-G	CIZ1
AGPAT2	5. 12E-08	-0. 49426	0	0. 181	0. 000765	Undiff-G	AGPAT2
PGP	5. 15E-08	-0. 25904	0. 022	0. 221	0. 000769	Undiff-G	PGP
MMP14	5. 17E-08	-0. 15964	0. 022	0. 224	0. 000773	Undiff-G	MMP14
GLRX3	5. 18E-08	0. 315243	0. 066	0. 307	0. 000773	Undiff-G	GLRX3

MYEF2	5.24E-08	-0.40268	0.007	0.195	0.000782	Undiff-G	MYEF2
TFDP1	5.27E-08	-0.44857	0.007	0.194	0.000788	Undiff-G	TFDP1
BRD9	5.27E-08	-0.32734	0.007	0.196	0.000788	Undiff-G	BRD9
ST3GAL5	5.32E-08	-0.54999	0.007	0.193	0.000794	Undiff-G	ST3GAL5
NGDN	5.36E-08	0.220867	0.044	0.266	0.000801	Undiff-G	NGDN
MAPRE3	5.39E-08	-0.46573	0	0.181	0.000806	Undiff-G	MAPRE3
POLR3K	5.46E-08	-0.16046	0.022	0.223	0.000816	Undiff-G	POLR3K
CDKN2AIPN	5.47E-08	0.125102	0.037	0.251	0.000817	Undiff-G	CDKN2AIPNL
DENND5A	5.49E-08	-0.48348	0	0.181	0.00082	Undiff-G	DENND5A
GNPTG	5.49E-08	-0.30449	0.044	0.26	0.00082	Undiff-G	GNPTG
APBA2	5.50E-08	-0.42334	0.015	0.209	0.000822	Undiff-G	APBA2
PHF23	5.52E-08	-0.19973	0.015	0.209	0.000824	Undiff-G	PHF23
GSTM4	5.54E-08	-0.41904	0.015	0.207	0.000827	Undiff-G	GSTM4
SNAP23	5.55E-08	-0.24485	0.037	0.247	0.00083	Undiff-G	SNAP23
NOB1	5.56E-08	-0.47609	0.007	0.195	0.00083	Undiff-G	NOB1
ZNF131	5.56E-08	-0.29134	0.029	0.234	0.000831	Undiff-G	ZNF131
PINK1	5.63E-08	-0.25112	0.015	0.209	0.000841	Undiff-G	PINK1
TMSB15A	5.63E-08	-0.57365	0	0.18	0.000842	Undiff-G	TMSB15A
ACO09501.	5.63E-08	1.468214	0.287	0.155	0.000842	Undiff-G	ACO09501.4
HSD11B1L	5.65E-08	-0.27835	0.015	0.207	0.000844	Undiff-G	HSD11B1L
LARP6	5.69E-08	-0.38664	0.007	0.195	0.00085	Undiff-G	LARP6
CPEB4	5.70E-08	-0.33515	0.037	0.249	0.000852	Undiff-G	CPEB4
SLC31A2	5.71E-08	-0.66856	0.007	0.195	0.000854	Undiff-G	SLC31A2
TEN1	5.73E-08	-0.42782	0	0.18	0.000856	Undiff-G	TEN1
PMPCB	5.75E-08	0.359439	0.088	0.346	0.000859	Undiff-G	PMPCB
MED11	5.79E-08	-0.418	0.022	0.22	0.000865	Undiff-G	MED11
LRRC58	5.80E-08	-0.29176	0.015	0.209	0.000867	Undiff-G	LRRC58
EPHX1	5.82E-08	-0.27633	0.029	0.234	0.000869	Undiff-G	EPHX1
PDZD11	5.82E-08	0.473994	0.096	0.362	0.00087	Undiff-G	PDZD11
MEX3A	5.83E-08	-0.49266	0	0.18	0.000871	Undiff-G	MEX3A
TRMT1	5.84E-08	-0.26972	0.044	0.26	0.000873	Undiff-G	TRMT1
MTHFD2L	5.85E-08	-0.27092	0.015	0.208	0.000875	Undiff-G	MTHFD2L
DTNBP1	5.89E-08	-0.24319	0.015	0.209	0.00088	Undiff-G	DTNBP1
SPRY1	5.90E-08	-0.30286	0.029	0.235	0.000881	Undiff-G	SPRY1
TMEM101	5.90E-08	-0.22993	0.015	0.209	0.000882	Undiff-G	TMEM101
SMIM7	5.93E-08	0.518174	0.176	0.509	0.000886	Undiff-G	SMIM7
TINF2	5.98E-08	0.226228	0.037	0.251	0.000893	Undiff-G	TINF2
EIF1AY	5.98E-08	-0.44419	0	0.18	0.000894	Undiff-G	EIF1AY
PJA1	6.00E-08	-0.34583	0.007	0.194	0.000896	Undiff-G	PJA1
DERL2	6.03E-08	0.293376	0.096	0.355	0.000901	Undiff-G	DERL2
PLOD3	6.06E-08	-0.21104	0.022	0.22	0.000906	Undiff-G	PLOD3
RHBDF2	6.09E-08	-0.70529	0	0.18	0.00091	Undiff-G	RHBDF2
HGSNAT	6.11E-08	-0.26807	0.015	0.208	0.000913	Undiff-G	HGSNAT
ATP5G2	6.12E-08	0.38582	0.346	0.875	0.000914	Undiff-G	ATP5G2
CYBB	6.15E-08	-0.6131	0.007	0.194	0.000919	Undiff-G	CYBB
NFKBIL1	6.15E-08	-0.32964	0.015	0.206	0.00092	Undiff-G	NFKBIL1
TEX264	6.16E-08	0.359373	0.118	0.399	0.000921	Undiff-G	TEX264
KLF7	6.18E-08	-0.46012	0.015	0.208	0.000923	Undiff-G	KLF7
ABI3	6.21E-08	-0.74706	0.007	0.192	0.000928	Undiff-G	ABI3
MAPK8IP1	6.24E-08	-0.48212	0.007	0.193	0.000932	Undiff-G	MAPK8IP1
PES1	6.32E-08	-0.33241	0.007	0.194	0.000944	Undiff-G	PES1

MTRF1L	6.32E-08	-0.40735	0.007	0.192	0.000945	Undiff-G	MTRF1L
SOX8	6.35E-08	-0.56198	0	0.179	0.00095	Undiff-G	SOX8
SUN2	6.36E-08	-0.46908	0.022	0.221	0.000951	Undiff-G	SUN2
APIP	6.44E-08	-0.12415	0.029	0.235	0.000962	Undiff-G	APIP
TTF1	6.46E-08	-0.45469	0.015	0.205	0.000965	Undiff-G	TTF1
WIPF1	6.46E-08	-0.18732	0.022	0.222	0.000966	Undiff-G	WIPF1
LINC00667	6.47E-08	-0.14389	0.037	0.246	0.000967	Undiff-G	LINC00667
5-Mar	6.49E-08	-0.22976	0.007	0.194	0.00097	Undiff-G	5-Mar
MFSD12	6.49E-08	-0.39004	0.007	0.193	0.000971	Undiff-G	MFSD12
TMEM60	6.52E-08	0.131241	0.037	0.25	0.000974	Undiff-G	TMEM60
GOLGA2	6.52E-08	-0.39957	0.015	0.207	0.000975	Undiff-G	GOLGA2
TAGLN3	6.61E-08	-0.64649	0.007	0.19	0.000988	Undiff-G	TAGLN3
ALG13	6.64E-08	-0.14075	0.022	0.222	0.000992	Undiff-G	ALG13
PLOD1	6.66E-08	-0.44334	0.007	0.193	0.000996	Undiff-G	PLOD1
P2RX4	6.69E-08	-0.578	0	0.179	0.001	Undiff-G	P2RX4
SLC35B4	6.69E-08	-0.39793	0.007	0.193	0.001	Undiff-G	SLC35B4
USP15	6.70E-08	-0.3537	0.037	0.245	0.001001	Undiff-G	USP15
GPRC5B	6.71E-08	-0.23897	0.022	0.221	0.001003	Undiff-G	GPRC5B
KCMF1	6.74E-08	-0.3609	0.007	0.193	0.001008	Undiff-G	KCMF1
PTPRS	6.80E-08	-0.27011	0.044	0.26	0.001016	Undiff-G	PTPRS
ZC3HAV1	6.81E-08	-0.4923	0	0.179	0.001017	Undiff-G	ZC3HAV1
ASNSD1	6.83E-08	0.262434	0.051	0.274	0.001021	Undiff-G	ASNSD1
CLIP2	6.87E-08	-0.47625	0	0.178	0.001026	Undiff-G	CLIP2
POMGNT1	6.98E-08	-0.25065	0.044	0.261	0.001043	Undiff-G	POMGNT1
CD302	6.99E-08	-0.43243	0.015	0.207	0.001045	Undiff-G	CD302
MTMR9	7.04E-08	-0.46687	0.007	0.191	0.001052	Undiff-G	MTMR9
C1orf56	7.10E-08	-0.5443	0.015	0.204	0.001061	Undiff-G	C1orf56
ETV5	7.10E-08	-0.21224	0.044	0.261	0.001061	Undiff-G	ETV5
KAT8	7.11E-08	-0.50508	0	0.178	0.001062	Undiff-G	KAT8
STT3B	7.11E-08	-0.36915	0.015	0.206	0.001062	Undiff-G	STT3B
SIL1	7.12E-08	-0.35791	0.044	0.257	0.001064	Undiff-G	SIL1
MYO9B	7.13E-08	-0.14045	0.051	0.272	0.001065	Undiff-G	MYO9B
HNRNPDL	7.13E-08	0.435659	0.309	0.803	0.001066	Undiff-G	HNRNPDL
C10orf10	7.14E-08	1.593219	0.206	0.089	0.001067	Undiff-G	C10orf10
UHMK1	7.16E-08	-0.42844	0.015	0.205	0.00107	Undiff-G	UHMK1
NFKBIB	7.17E-08	-0.47158	0	0.178	0.001071	Undiff-G	NFKBIB
ALDH3A2	7.18E-08	-0.11961	0.029	0.234	0.001073	Undiff-G	ALDH3A2
PIM3	7.19E-08	-0.36814	0.007	0.193	0.001075	Undiff-G	PIM3
HGS	7.28E-08	-0.18285	0.022	0.218	0.001088	Undiff-G	HGS
DCAF11	7.32E-08	-0.21109	0.007	0.192	0.001094	Undiff-G	DCAF11
IMMP1L	7.35E-08	-0.15205	0.029	0.234	0.001099	Undiff-G	IMMP1L
SLC25A6	7.37E-08	0.324365	0.338	0.864	0.001101	Undiff-G	SLC25A6
ILKAP	7.47E-08	-0.28629	0.029	0.231	0.001116	Undiff-G	ILKAP
FOS	7.54E-08	0.970099	0.632	0.843	0.001127	Undiff-G	FOS
PTTG1	7.58E-08	-0.13622	0.029	0.233	0.001133	Undiff-G	PTTG1
STMN2	7.61E-08	-0.9701	0.007	0.189	0.001137	Undiff-G	STMN2
RNF40	7.61E-08	-0.4231	0	0.177	0.001138	Undiff-G	RNF40
APBB1	7.64E-08	-0.24534	0.007	0.192	0.001142	Undiff-G	APBB1
MT1E	7.73E-08	1.512381	0.456	0.379	0.001156	Undiff-G	MT1E
BLMH	7.75E-08	-0.43439	0	0.177	0.001157	Undiff-G	BLMH
TNFAIP1	7.81E-08	-0.40346	0	0.177	0.001167	Undiff-G	TNFAIP1

ETV1	8.02E-08	-0.19475	0.037	0.247	0.001199	Undiff-G	ETV1
IP6K2	8.03E-08	0.545829	0.14	0.438	0.0012	Undiff-G	IP6K2
HBEGF	8.10E-08	-0.53071	0.022	0.218	0.00121	Undiff-G	HBEGF
NBR1	8.11E-08	-0.22485	0.007	0.191	0.001212	Undiff-G	NBR1
DPP3	8.14E-08	-0.45975	0.007	0.191	0.001216	Undiff-G	DPP3
FAM53C	8.16E-08	-0.19906	0.037	0.244	0.001219	Undiff-G	FAM53C
DBI	8.17E-08	0.992944	0.632	0.846	0.001221	Undiff-G	DBI
RBM10	8.18E-08	-0.40906	0.015	0.204	0.001222	Undiff-G	RBM10
MAP2K3	8.18E-08	-0.35167	0.007	0.191	0.001222	Undiff-G	MAP2K3
HERPUD2	8.22E-08	-0.46557	0	0.177	0.001229	Undiff-G	HERPUD2
SPAG16	8.23E-08	0.357313	0.066	0.299	0.00123	Undiff-G	SPAG16
TLK1	8.24E-08	-0.25091	0.029	0.23	0.001231	Undiff-G	TLK1
PBX1	8.28E-08	-0.38616	0.022	0.216	0.001238	Undiff-G	PBX1
FAM60A	8.37E-08	-0.46701	0	0.176	0.00125	Undiff-G	FAM60A
WAS	8.37E-08	-0.70026	0	0.176	0.00125	Undiff-G	WAS
NCKAP1	8.50E-08	-0.40077	0.007	0.19	0.00127	Undiff-G	NCKAP1
PCCB	8.51E-08	-0.49982	0	0.176	0.001272	Undiff-G	PCCB
FRYL	8.58E-08	-0.44788	0.007	0.19	0.001283	Undiff-G	FRYL
EHMT2	8.60E-08	-0.43326	0.015	0.202	0.001285	Undiff-G	EHMT2
SLC4A7	8.69E-08	-0.37112	0.022	0.216	0.001299	Undiff-G	SLC4A7
TNFRSF1B	8.70E-08	-0.62982	0.007	0.19	0.0013	Undiff-G	TNFRSF1B
ACLY	8.75E-08	-0.22808	0.022	0.219	0.001307	Undiff-G	ACLY
ABCD4	8.78E-08	-0.20303	0.044	0.259	0.001312	Undiff-G	ABCD4
SLC44A2	8.79E-08	-0.21631	0.015	0.205	0.001314	Undiff-G	SLC44A2
SECISBP2L	8.88E-08	-0.47169	0	0.176	0.001328	Undiff-G	SECISBP2L
GTF2E2	9.00E-08	-0.40354	0.007	0.19	0.001345	Undiff-G	GTF2E2
RNFT1	9.03E-08	-0.22041	0.015	0.204	0.001349	Undiff-G	RNFT1
FERMT2	9.03E-08	-0.17205	0.015	0.204	0.001349	Undiff-G	FERMT2
DUSP23	9.03E-08	-0.63015	0.007	0.19	0.00135	Undiff-G	DUSP23
C19orf52	9.04E-08	-0.41121	0	0.176	0.001351	Undiff-G	C19orf52
PRR7	9.13E-08	-0.34826	0.007	0.19	0.001365	Undiff-G	PRR7
STK16	9.14E-08	-0.27553	0.007	0.19	0.001366	Undiff-G	STK16
CXXC1	9.19E-08	-0.46157	0	0.176	0.001374	Undiff-G	CXXC1
RIT1	9.20E-08	-0.1235	0.022	0.216	0.001375	Undiff-G	RIT1
SPRED1	9.22E-08	-0.40343	0.015	0.203	0.001377	Undiff-G	SPRED1
IPO5	9.26E-08	-0.13991	0.022	0.218	0.001384	Undiff-G	IPO5
ZNF524	9.30E-08	-0.32161	0.007	0.19	0.00139	Undiff-G	ZNF524
PTDSS1	9.31E-08	-0.32314	0.015	0.204	0.001391	Undiff-G	PTDSS1
POLR3H	9.32E-08	-0.29317	0.022	0.217	0.001393	Undiff-G	POLR3H
PAK1IP1	9.38E-08	-0.18842	0.022	0.218	0.001402	Undiff-G	PAK1IP1
ITGB8	9.46E-08	-0.22625	0.037	0.242	0.001414	Undiff-G	ITGB8
GNPAT	9.61E-08	-0.15289	0.037	0.242	0.001436	Undiff-G	GNPAT
KCTD20	9.62E-08	-0.31733	0.007	0.19	0.001438	Undiff-G	KCTD20
CNBP	9.64E-08	0.492309	0.294	0.754	0.00144	Undiff-G	CNBP
GON4L	9.66E-08	-0.38186	0.022	0.217	0.001444	Undiff-G	GON4L
MFAP1	9.68E-08	-0.45237	0	0.175	0.001446	Undiff-G	MFAP1
UBXN2A	9.71E-08	-0.21978	0.007	0.19	0.001451	Undiff-G	UBXN2A
AMFR	9.76E-08	-0.43883	0	0.175	0.001459	Undiff-G	AMFR
SMUG1	9.80E-08	-0.2308	0.022	0.215	0.001464	Undiff-G	SMUG1
CMIP	9.85E-08	-0.49032	0	0.175	0.001471	Undiff-G	CMIP
NGLY1	9.94E-08	-0.20807	0.022	0.217	0.001486	Undiff-G	NGLY1

STX5	9.98E-08	0.118438	0.051	0.271	0.001491	Undiff-G	STX5
PTRH1	1.00E-07	-0.39928	0.007	0.189	0.001497	Undiff-G	PTRH1
SDSL	1.00E-07	-0.32349	0.007	0.189	0.001501	Undiff-G	SDSL
COIL	1.01E-07	-0.43782	0.007	0.187	0.00151	Undiff-G	COIL
IWS1	1.01E-07	-0.17674	0.022	0.215	0.001512	Undiff-G	IWS1
CERS4	1.02E-07	-0.30812	0.015	0.201	0.001519	Undiff-G	CERS4
SPP1	1.02E-07	1.022616	0.64	0.856	0.001522	Undiff-G	SPP1
TMEM237	1.02E-07	-0.42147	0.007	0.189	0.001523	Undiff-G	TMEM237
TUBGCP2	1.03E-07	-0.28697	0.022	0.215	0.001541	Undiff-G	TUBGCP2
SH3BP5	1.03E-07	-0.33328	0.015	0.203	0.001543	Undiff-G	SH3BP5
FAM92A1	1.03E-07	-0.11745	0.015	0.203	0.001544	Undiff-G	FAM92A1
C7orf73	1.04E-07	0.553465	0.199	0.559	0.001547	Undiff-G	C7orf73
ARHGAP18	1.04E-07	-0.67867	0	0.174	0.001549	Undiff-G	ARHGAP18
LMBR1L	1.05E-07	-0.50662	0.007	0.186	0.001562	Undiff-G	LMBR1L
SIGMAR1	1.05E-07	-0.40399	0	0.174	0.001575	Undiff-G	SIGMAR1
GPNMB	1.06E-07	-0.55032	0.015	0.203	0.001587	Undiff-G	GPNMB
R3HDM4	1.07E-07	-0.34159	0.015	0.203	0.001598	Undiff-G	R3HDM4
DEDD2	1.07E-07	-0.48687	0	0.174	0.001603	Undiff-G	DEDD2
SPPL2A	1.07E-07	-0.48627	0.007	0.186	0.001603	Undiff-G	SPPL2A
BCHE	1.08E-07	-0.31756	0.007	0.188	0.001607	Undiff-G	BCHE
MPP1	1.08E-07	-0.32458	0.015	0.203	0.001607	Undiff-G	MPP1
PSMB9	1.08E-07	0.378794	0.125	0.408	0.001616	Undiff-G	PSMB9
OSTC	1.08E-07	0.451576	0.176	0.507	0.001618	Undiff-G	OSTC
VEZT	1.10E-07	-0.38842	0.029	0.229	0.001638	Undiff-G	VEZT
POLR2C	1.11E-07	0.404154	0.096	0.353	0.001652	Undiff-G	POLR2C
SPG7	1.11E-07	-0.1118	0.037	0.243	0.001655	Undiff-G	SPG7
MGST1	1.11E-07	1.348858	0.272	0.143	0.001655	Undiff-G	MGST1
RAB5B	1.11E-07	-0.20438	0.022	0.216	0.001657	Undiff-G	RAB5B
SEC31A	1.12E-07	-0.15094	0.029	0.23	0.001673	Undiff-G	SEC31A
GTF3C5	1.12E-07	-0.30508	0.007	0.188	0.001677	Undiff-G	GTF3C5
LINC00665	1.12E-07	-0.24105	0.007	0.188	0.001678	Undiff-G	LINC00665
STX6	1.12E-07	-0.46683	0.015	0.199	0.001679	Undiff-G	STX6
TAF7	1.14E-07	0.522511	0.206	0.557	0.001703	Undiff-G	TAF7
NIPSNAP3A	1.14E-07	-0.27111	0.015	0.202	0.001705	Undiff-G	NIPSNAP3A
PHYHIPL	1.14E-07	-0.5852	0.007	0.187	0.001706	Undiff-G	PHYHIPL
CCDC14	1.15E-07	-0.21196	0.029	0.229	0.001714	Undiff-G	CCDC14
PHPT1	1.15E-07	0.496838	0.25	0.656	0.00172	Undiff-G	PHPT1
FAM120AOS	1.16E-07	-0.36	0.007	0.188	0.001731	Undiff-G	FAM120AOS
MAP1S	1.17E-07	-0.43071	0	0.173	0.001745	Undiff-G	MAP1S
TNFSF12	1.17E-07	-0.3525	0.007	0.188	0.00175	Undiff-G	TNFSF12
PGAP1	1.18E-07	-0.44302	0.007	0.185	0.001757	Undiff-G	PGAP1
DNAJC1	1.18E-07	-0.41561	0.007	0.187	0.001766	Undiff-G	DNAJC1
WIPI1	1.19E-07	-0.33778	0.007	0.187	0.00178	Undiff-G	WIPI1
IFI44	1.20E-07	-0.54869	0.007	0.186	0.001794	Undiff-G	IFI44
DDX54	1.20E-07	-0.21765	0.015	0.201	0.001797	Undiff-G	DDX54
PSMD9	1.21E-07	0.181895	0.059	0.283	0.001804	Undiff-G	PSMD9
RABEPK	1.21E-07	-0.16508	0.015	0.201	0.001815	Undiff-G	RABEPK
CYHR1	1.22E-07	0.105269	0.059	0.281	0.001824	Undiff-G	CYHR1
RNF166	1.23E-07	-0.42826	0.007	0.187	0.001841	Undiff-G	RNF166
PRKCSH	1.24E-07	0.463523	0.14	0.434	0.001857	Undiff-G	PRKCSH
ECSIT	1.25E-07	0.296845	0.051	0.27	0.001861	Undiff-G	ECSIT

SLC2A5	1. 25E-07	-0. 81267	0	0. 172	0. 001868	Undiff-G	SLC2A5
SERPINB1	1. 25E-07	-0. 12822	0. 051	0. 269	0. 00187	Undiff-G	SERPINB1
PDRG1	1. 25E-07	0. 393265	0. 051	0. 271	0. 001871	Undiff-G	PDRG1
MAPKAPK5-	1. 25E-07	-0. 24634	0. 029	0. 226	0. 001872	Undiff-G	MAPKAPK5-AS1
DNAJC5	1. 25E-07	-0. 30738	0. 022	0. 214	0. 001873	Undiff-G	DNAJC5
PQLC3	1. 26E-07	-0. 4591	0. 007	0. 186	0. 001888	Undiff-G	PQLC3
SNX14	1. 26E-07	-0. 20108	0. 022	0. 213	0. 00189	Undiff-G	SNX14
HMOX2	1. 28E-07	0. 301049	0. 066	0. 297	0. 001917	Undiff-G	HMOX2
AIMP2	1. 29E-07	0. 205673	0. 037	0. 243	0. 001935	Undiff-G	AIMP2
CASC4	1. 30E-07	-0. 26408	0. 029	0. 226	0. 001938	Undiff-G	CASC4
RP11-792A	1. 30E-07	-0. 19268	0. 022	0. 212	0. 001941	Undiff-G	RP11-792A8. 4
GOLPH3	1. 31E-07	-0. 30909	0. 007	0. 186	0. 001956	Undiff-G	GOLPH3
SART1	1. 33E-07	-0. 37586	0. 015	0. 2	0. 00198	Undiff-G	SART1
SERPINF1	1. 33E-07	-0. 59639	0. 029	0. 227	0. 001982	Undiff-G	SERPINF1
ATN1	1. 33E-07	-0. 41425	0. 007	0. 185	0. 001985	Undiff-G	ATN1
SRGAP1	1. 33E-07	-0. 13626	0. 029	0. 227	0. 001989	Undiff-G	SRGAP1
THOC3	1. 34E-07	-0. 42024	0	0. 172	0. 002	Undiff-G	THOC3
PAK1	1. 34E-07	-0. 57559	0	0. 172	0. 002	Undiff-G	PAK1
CAB39	1. 35E-07	-0. 44443	0. 007	0. 186	0. 002014	Undiff-G	CAB39
RERE	1. 36E-07	-0. 38358	0. 022	0. 213	0. 002026	Undiff-G	RERE
SNAP29	1. 36E-07	-0. 14688	0. 029	0. 227	0. 002029	Undiff-G	SNAP29
ADAP2	1. 36E-07	-0. 58653	0. 007	0. 186	0. 002038	Undiff-G	ADAP2
CES2	1. 38E-07	-0. 32104	0. 007	0. 186	0. 002056	Undiff-G	CES2
ZNF800	1. 38E-07	-0. 42501	0. 007	0. 184	0. 002057	Undiff-G	ZNF800
TRAPPC12	1. 38E-07	-0. 37931	0. 015	0. 2	0. 002058	Undiff-G	TRAPPC12
ZNRD1	1. 38E-07	-0. 33346	0. 022	0. 213	0. 002059	Undiff-G	ZNRD1
ALKBH4	1. 38E-07	-0. 22421	0. 015	0. 2	0. 002059	Undiff-G	ALKBH4
PDK4	1. 40E-07	-0. 74382	0	0. 171	0. 002087	Undiff-G	PDK4
TRIM69	1. 40E-07	-0. 3614	0. 015	0. 2	0. 002097	Undiff-G	TRIM69
SP110	1. 40E-07	-0. 25482	0. 015	0. 2	0. 002098	Undiff-G	SP110
PTPRN2	1. 41E-07	-0. 21829	0. 022	0. 214	0. 002108	Undiff-G	PTPRN2
MYO1F	1. 41E-07	-0. 45	0. 007	0. 186	0. 002112	Undiff-G	MYO1F
SOAT1	1. 41E-07	-0. 2813	0. 015	0. 2	0. 002113	Undiff-G	SOAT1
ATP6VOE1	1. 41E-07	0. 489322	0. 294	0. 766	0. 002114	Undiff-G	ATP6VOE1
TTC37	1. 42E-07	-0. 30047	0. 007	0. 186	0. 002129	Undiff-G	TTC37
HSP90AA1	1. 43E-07	0. 213479	0. 36	0. 894	0. 002135	Undiff-G	HSP90AA1
MMAB	1. 43E-07	-0. 24052	0. 015	0. 199	0. 00214	Undiff-G	MMAB
B3GALNT1	1. 44E-07	-0. 24419	0. 007	0. 186	0. 002146	Undiff-G	B3GALNT1
PHC2	1. 45E-07	0. 237906	0. 059	0. 279	0. 002173	Undiff-G	PHC2
CKAP2	1. 47E-07	-0. 47401	0	0. 171	0. 002196	Undiff-G	CKAP2
SWAP70	1. 47E-07	-0. 1816	0. 029	0. 224	0. 002197	Undiff-G	SWAP70
SCO2	1. 47E-07	-0. 17202	0. 022	0. 213	0. 002198	Undiff-G	SCO2
MAPKAPK5	1. 47E-07	-0. 31023	0. 007	0. 185	0. 002202	Undiff-G	MAPKAPK5
TOB2	1. 48E-07	-0. 22346	0. 015	0. 199	0. 002216	Undiff-G	TOB2
F2R	1. 49E-07	-0. 41196	0	0. 171	0. 002234	Undiff-G	F2R
MLXIP	1. 50E-07	-0. 25881	0. 007	0. 185	0. 002241	Undiff-G	MLXIP
LRIF1	1. 50E-07	-0. 15443	0. 015	0. 199	0. 002242	Undiff-G	LRIF1
RAC3	1. 51E-07	-0. 38545	0. 007	0. 185	0. 002264	Undiff-G	RAC3
ERH	1. 53E-07	0. 529926	0. 272	0. 719	0. 002281	Undiff-G	ERH
USP34	1. 53E-07	-0. 38169	0. 022	0. 212	0. 002289	Undiff-G	USP34
RNF213	1. 55E-07	-0. 20946	0. 051	0. 264	0. 002315	Undiff-G	RNF213

DNAJC10	1.55E-07	-0.13935	0.015	0.199	0.002321	Undiff-G	DNAJC10
TIA1	1.56E-07	-0.13672	0.044	0.25	0.002333	Undiff-G	TIA1
UPF3B	1.57E-07	0.107856	0.044	0.253	0.00234	Undiff-G	UPF3B
TRIM2	1.57E-07	-0.25502	0.029	0.226	0.002347	Undiff-G	TRIM2
LTC4S	1.59E-07	-0.69419	0	0.17	0.00237	Undiff-G	LTC4S
ACAA2	1.59E-07	-0.19934	0.022	0.212	0.002381	Undiff-G	ACAA2
FAM172A	1.59E-07	-0.23953	0.015	0.198	0.002382	Undiff-G	FAM172A
TFAM	1.60E-07	-0.44467	0.007	0.183	0.002385	Undiff-G	TFAM
SNHG8	1.60E-07	0.496544	0.162	0.472	0.002391	Undiff-G	SNHG8
JAGN1	1.60E-07	0.4026	0.081	0.323	0.002397	Undiff-G	JAGN1
BCL2L1	1.62E-07	0.113924	0.051	0.266	0.002416	Undiff-G	BCL2L1
B4GALT5	1.62E-07	-0.22657	0.015	0.199	0.00242	Undiff-G	B4GALT5
PPIL1	1.63E-07	-0.24461	0.015	0.196	0.002437	Undiff-G	PPIL1
TMEM54	1.63E-07	-0.39142	0.015	0.198	0.002443	Undiff-G	TMEM54
UPF3A	1.64E-07	0.161103	0.096	0.348	0.002446	Undiff-G	UPF3A
MRAS	1.64E-07	-0.4092	0	0.17	0.002452	Undiff-G	MRAS
FNIP2	1.65E-07	-0.31165	0.015	0.198	0.002467	Undiff-G	FNIP2
PEBP1	1.65E-07	0.403642	0.324	0.809	0.00247	Undiff-G	PEBP1
LRPPRC	1.65E-07	-0.43521	0	0.17	0.002473	Undiff-G	LRPPRC
SYMPK	1.66E-07	-0.3247	0.029	0.225	0.002474	Undiff-G	SYMPK
CPSF4	1.66E-07	-0.29048	0.015	0.198	0.002478	Undiff-G	CPSF4
NEU1	1.67E-07	0.329126	0.066	0.295	0.002493	Undiff-G	NEU1
PREB	1.67E-07	-0.14728	0.022	0.212	0.0025	Undiff-G	PREB
TGFBI	1.68E-07	-0.57842	0.022	0.207	0.002505	Undiff-G	TGFBI
ZNF511	1.68E-07	-0.36571	0.015	0.198	0.002511	Undiff-G	ZNF511
MSR1	1.70E-07	-0.73003	0.007	0.182	0.002542	Undiff-G	MSR1
AP1M1	1.71E-07	-0.24249	0.029	0.225	0.002555	Undiff-G	AP1M1
RPUSD3	1.72E-07	-0.12822	0.015	0.198	0.002568	Undiff-G	RPUSD3
TRIM47	1.72E-07	-0.4525	0.007	0.182	0.00257	Undiff-G	TRIM47
RNF8	1.74E-07	-0.41354	0	0.169	0.002602	Undiff-G	RNF8
CCDC34	1.74E-07	-0.46822	0	0.169	0.002602	Undiff-G	CCDC34
DDIT3	1.74E-07	0.536125	0.14	0.431	0.002607	Undiff-G	DDIT3
PPME1	1.77E-07	-0.33515	0.007	0.183	0.00265	Undiff-G	PPME1
CHMP6	1.77E-07	-0.23649	0.015	0.197	0.00265	Undiff-G	CHMP6
WDR34	1.78E-07	-0.36	0.022	0.209	0.00266	Undiff-G	WDR34
FAM20C	1.78E-07	0.133579	0.029	0.226	0.002661	Undiff-G	FAM20C
TUBA1C	1.78E-07	0.276054	0.118	0.383	0.002664	Undiff-G	TUBA1C
GRIPAP1	1.79E-07	-0.44078	0.015	0.195	0.002675	Undiff-G	GRIPAP1
RABIF	1.79E-07	-0.2304	0.007	0.183	0.002677	Undiff-G	RABIF
EIF2AK4	1.80E-07	-0.34636	0.007	0.183	0.002692	Undiff-G	EIF2AK4
ZFHX3	1.80E-07	-0.11397	0.015	0.197	0.002695	Undiff-G	ZFHX3
GGCT	1.81E-07	0.485453	0.118	0.39	0.002698	Undiff-G	GGCT
KPNA6	1.81E-07	0.10056	0.037	0.237	0.0027	Undiff-G	KPNA6
CDK6	1.82E-07	-0.46078	0.022	0.208	0.002727	Undiff-G	CDK6
STX16	1.84E-07	-0.29963	0.022	0.211	0.002756	Undiff-G	STX16
DUSP4	1.84E-07	-0.51368	0.007	0.181	0.002756	Undiff-G	DUSP4
C16orf45	1.85E-07	0.316095	0.081	0.321	0.002765	Undiff-G	C16orf45
NDUFAF6	1.86E-07	-0.37823	0.007	0.183	0.002785	Undiff-G	NDUFAF6
BROX	1.87E-07	-0.12538	0.037	0.237	0.002801	Undiff-G	BROX
ACOX1	1.88E-07	-0.40892	0	0.168	0.002808	Undiff-G	ACOX1
ICT1	1.88E-07	0.201176	0.037	0.239	0.002811	Undiff-G	ICT1

SRFBP1	1.88E-07	-0.313	0.007	0.183	0.002813	Undiff-G	SRFBP1
FBXW11	1.88E-07	-0.12476	0.007	0.183	0.002817	Undiff-G	FBXW11
ATAD1	1.89E-07	-0.46139	0	0.168	0.002832	Undiff-G	ATAD1
FERMT3	1.89E-07	-0.66594	0	0.168	0.002832	Undiff-G	FERMT3
LINC00659	1.90E-07	0.278875	0.007	0	0.002838	Undiff-G	LINC00659
NBL1	1.90E-07	-0.47699	0.007	0.18	0.002842	Undiff-G	NBL1
UBA6	1.92E-07	-0.22174	0.015	0.197	0.002863	Undiff-G	UBA6
DESI2	1.94E-07	-0.30078	0.015	0.196	0.002899	Undiff-G	DESI2
LACTB	1.94E-07	-0.49391	0	0.168	0.002904	Undiff-G	LACTB
LSP1	1.96E-07	-0.75877	0	0.168	0.002929	Undiff-G	LSP1
PURA	1.96E-07	-0.15552	0.022	0.21	0.002933	Undiff-G	PURA
6-Sep	1.98E-07	-0.51524	0	0.168	0.002954	Undiff-G	6-Sep
MGRN1	1.98E-07	-0.14809	0.022	0.21	0.00296	Undiff-G	MGRN1
RAB35	1.99E-07	-0.42751	0	0.168	0.002979	Undiff-G	RAB35
DCAF6	1.99E-07	-0.44302	0	0.168	0.002979	Undiff-G	DCAF6
SEC23A	2.01E-07	-0.42266	0.015	0.195	0.003006	Undiff-G	SEC23A
POLK	2.02E-07	-0.40631	0.007	0.182	0.003017	Undiff-G	POLK
SMC5	2.03E-07	-0.39688	0.007	0.182	0.003034	Undiff-G	SMC5
DOHH	2.04E-07	-0.33123	0.015	0.196	0.003047	Undiff-G	DOHH
NRP1	2.04E-07	-0.45428	0	0.167	0.003055	Undiff-G	NRP1
ATF5	2.05E-07	-0.41358	0.015	0.196	0.003066	Undiff-G	ATF5
WDR6	2.06E-07	-0.25638	0.037	0.234	0.003072	Undiff-G	WDR6
SLC36A4	2.08E-07	-0.39151	0.015	0.195	0.003103	Undiff-G	SLC36A4
COQ2	2.11E-07	-0.40144	0.007	0.182	0.003154	Undiff-G	COQ2
TMUB2	2.13E-07	-0.1994	0.051	0.262	0.003182	Undiff-G	TMUB2
FBXO9	2.15E-07	-0.3736	0.022	0.208	0.003207	Undiff-G	FBXO9
TBCC	2.15E-07	0.140768	0.029	0.224	0.003214	Undiff-G	TBCC
MDM2	2.15E-07	-0.29951	0.022	0.208	0.003218	Undiff-G	MDM2
RP9	2.16E-07	-0.41159	0.007	0.181	0.003224	Undiff-G	RP9
ENG	2.17E-07	-0.62066	0	0.167	0.003241	Undiff-G	ENG
SLC1A3	2.18E-07	0.259011	0.169	0.48	0.003254	Undiff-G	SLC1A3
TNIP2	2.19E-07	-0.40387	0	0.167	0.003269	Undiff-G	TNIP2
DUSP14	2.19E-07	-0.29455	0.007	0.181	0.003272	Undiff-G	DUSP14
PSEN1	2.19E-07	-0.27325	0.007	0.181	0.003278	Undiff-G	PSEN1
MORN2	2.20E-07	0.272326	0.051	0.264	0.003281	Undiff-G	MORN2
MGEA5	2.20E-07	-0.35839	0.037	0.235	0.003288	Undiff-G	MGEA5
PPP3CA	2.21E-07	-0.14356	0.044	0.249	0.003305	Undiff-G	PPP3CA
GNG2	2.21E-07	-0.26823	0.007	0.181	0.003306	Undiff-G	GNG2
TOPORS	2.21E-07	-0.45146	0.007	0.181	0.003309	Undiff-G	TOPORS
COG4	2.22E-07	-0.41527	0.015	0.193	0.003314	Undiff-G	COG4
ZNF358	2.22E-07	-0.38184	0	0.167	0.003324	Undiff-G	ZNF358
B4GALT3	2.24E-07	-0.2063	0.029	0.22	0.003341	Undiff-G	B4GALT3
RBM22	2.24E-07	0.416783	0.074	0.305	0.003345	Undiff-G	RBM22
KLF10	2.25E-07	-0.11745	0.037	0.235	0.003365	Undiff-G	KLF10
SUPT16H	2.25E-07	0.275033	0.044	0.251	0.003367	Undiff-G	SUPT16H
SLC3A2	2.25E-07	0.51401	0.221	0.592	0.003369	Undiff-G	SLC3A2
SRP54	2.27E-07	0.107668	0.059	0.275	0.003388	Undiff-G	SRP54
KLHL24	2.27E-07	-0.31925	0.007	0.181	0.003389	Undiff-G	KLHL24
CNRIP1	2.27E-07	-0.29494	0.022	0.206	0.003396	Undiff-G	CNRIP1
NSD1	2.28E-07	-0.10743	0.037	0.235	0.003411	Undiff-G	NSD1
ZBED5	2.28E-07	-0.32452	0.007	0.181	0.003414	Undiff-G	ZBED5



MVD	2.31E-07	-0.40947	0.007	0.18	0.003453	Undiff-G	MVD
CMTM7	2.32E-07	-0.58179	0	0.166	0.003467	Undiff-G	CMTM7
TP53RK	2.33E-07	-0.34733	0.015	0.193	0.003477	Undiff-G	TP53RK
AHI1	2.34E-07	-0.27114	0.022	0.207	0.0035	Undiff-G	AHI1
TRMT112	2.36E-07	0.449074	0.279	0.712	0.003522	Undiff-G	TRMT112
ELAVL4	2.37E-07	-0.57985	0.007	0.18	0.003536	Undiff-G	ELAVL4
ELL2	2.37E-07	-0.22221	0.015	0.195	0.00354	Undiff-G	ELL2
GALK1	2.37E-07	-0.2818	0.022	0.206	0.003548	Undiff-G	GALK1
RP11-345F	2.38E-07	-0.39179	0	0.166	0.003556	Undiff-G	RP11-345P4.9
PARVB	2.38E-07	-0.48279	0	0.166	0.003556	Undiff-G	PARVB
REX04	2.38E-07	-0.38307	0.015	0.192	0.003556	Undiff-G	REX04
IGFBP5	2.39E-07	1.548914	0.375	0.267	0.003565	Undiff-G	IGFBP5
FAM181B	2.43E-07	-0.4853	0.022	0.205	0.003625	Undiff-G	FAM181B
CEP63	2.43E-07	-0.26268	0.007	0.18	0.003626	Undiff-G	CEP63
ACAP2	2.43E-07	-0.41765	0.007	0.18	0.003636	Undiff-G	ACAP2
NDFIP2	2.45E-07	-0.10264	0.015	0.194	0.003657	Undiff-G	NDFIP2
GPBP1L1	2.46E-07	-0.1828	0.022	0.208	0.00368	Undiff-G	GPBP1L1
IFT57	2.47E-07	0.248609	0.044	0.25	0.003688	Undiff-G	IFT57
DYNLL2	2.48E-07	-0.2174	0.022	0.208	0.003706	Undiff-G	DYNLL2
BBIP1	2.49E-07	-0.3901	0.007	0.18	0.003714	Undiff-G	BBIP1
CSRNP1	2.49E-07	-0.52252	0.015	0.193	0.003726	Undiff-G	CSRNP1
CENPT	2.50E-07	-0.38823	0.015	0.192	0.003742	Undiff-G	CENPT
FGL2	2.51E-07	-0.70381	0.007	0.179	0.003747	Undiff-G	FGL2
OLFM2	2.52E-07	-0.27696	0.015	0.193	0.00376	Undiff-G	OLFM2
RBM14	2.53E-07	-0.27159	0.015	0.194	0.003777	Undiff-G	RBM14
UBE2Q2	2.54E-07	-0.33435	0.022	0.207	0.003794	Undiff-G	UBE2Q2
NCK1	2.54E-07	0.162939	0.044	0.246	0.003803	Undiff-G	NCK1
PSMD8	2.56E-07	0.569599	0.265	0.678	0.003822	Undiff-G	PSMD8
LDLRAD3	2.58E-07	-0.41189	0.007	0.178	0.003854	Undiff-G	LDLRAD3
TMEM167B	2.58E-07	-0.21988	0.022	0.207	0.003858	Undiff-G	TMEM167B
CLK3	2.59E-07	-0.46263	0	0.165	0.003868	Undiff-G	CLK3
PLAU	2.59E-07	-0.53507	0	0.165	0.003868	Undiff-G	PLAU
FCGR1B	2.59E-07	-0.78437	0	0.165	0.003868	Undiff-G	FCGR1B
TAF15	2.61E-07	0.170593	0.059	0.276	0.003899	Undiff-G	TAF15
TBRG1	2.61E-07	0.100717	0.044	0.247	0.003906	Undiff-G	TBRG1
NDRG3	2.62E-07	-0.20951	0.007	0.179	0.003911	Undiff-G	NDRG3
HNRNPLL	2.67E-07	-0.40012	0.015	0.193	0.003993	Undiff-G	HNRNPLL
CDC27	2.68E-07	-0.40486	0	0.165	0.004	Undiff-G	CDC27
MAP3K7	2.68E-07	-0.21497	0.022	0.207	0.004011	Undiff-G	MAP3K7
LPP	2.70E-07	-0.3338	0.029	0.219	0.004032	Undiff-G	LPP
RUNX1	2.73E-07	-0.27531	0.015	0.192	0.004075	Undiff-G	RUNX1
ACAP3	2.73E-07	-0.11122	0.029	0.218	0.004082	Undiff-G	ACAP3
TRAF7	2.75E-07	-0.21174	0.015	0.191	0.004104	Undiff-G	TRAF7
ANKRD40	2.75E-07	-0.43235	0.007	0.177	0.004106	Undiff-G	ANKRD40
SDHAF1	2.76E-07	-0.38561	0.007	0.178	0.004119	Undiff-G	SDHAF1
C19orf66	2.76E-07	-0.11143	0.051	0.258	0.004119	Undiff-G	C19orf66
FAM105A	2.77E-07	-0.65984	0	0.164	0.004137	Undiff-G	FAM105A
ANAPC10	2.77E-07	-0.31584	0.007	0.179	0.004139	Undiff-G	ANAPC10
MYH9	2.79E-07	-0.47088	0.015	0.19	0.004166	Undiff-G	MYH9
SRD5A3	2.79E-07	-0.4377	0	0.164	0.004172	Undiff-G	SRD5A3
FAM127B	2.80E-07	0.330606	0.074	0.303	0.004178	Undiff-G	FAM127B

CHN1	2.81E-07	-0.10117	0.029	0.218	0.004193	Undiff-G	CHN1
CLDND1	2.82E-07	0.353054	0.125	0.397	0.00421	Undiff-G	CLDND1
UBE2Z	2.82E-07	-0.40455	0.007	0.178	0.004211	Undiff-G	UBE2Z
PPP5C	2.82E-07	-0.40855	0.007	0.178	0.004217	Undiff-G	PPP5C
CNOT3	2.84E-07	-0.36936	0	0.164	0.004242	Undiff-G	CNOT3
NPRL3	2.84E-07	-0.34288	0.015	0.192	0.004246	Undiff-G	NPRL3
ENTPD1	2.86E-07	-0.68199	0	0.164	0.004278	Undiff-G	ENTPD1
PTPN6	2.91E-07	-0.65621	0	0.164	0.00435	Undiff-G	PTPN6
ASH2L	2.92E-07	-0.2489	0.007	0.178	0.004359	Undiff-G	ASH2L
ILF3-AS1	2.93E-07	0.14431	0.081	0.312	0.004378	Undiff-G	ILF3-AS1
ILK	2.93E-07	0.447633	0.11	0.368	0.004385	Undiff-G	ILK
TGFBR1	2.94E-07	-0.51206	0	0.164	0.004387	Undiff-G	TGFBR1
DOCK4	2.94E-07	-0.54401	0	0.164	0.004387	Undiff-G	DOCK4
SIGLEC10	2.94E-07	-0.67341	0	0.164	0.004387	Undiff-G	SIGLEC10
C1orf61	2.96E-07	0.253169	0.206	0.539	0.004424	Undiff-G	C1orf61
CYB5R4	2.97E-07	-0.28898	0.007	0.178	0.004434	Undiff-G	CYB5R4
ACOT13	3.03E-07	0.124727	0.029	0.22	0.004526	Undiff-G	ACOT13
BAZ2A	3.04E-07	-0.37119	0.015	0.192	0.004536	Undiff-G	BAZ2A
STAB1	3.04E-07	-0.72065	0	0.163	0.004537	Undiff-G	STAB1
MIER1	3.04E-07	-0.42461	0.007	0.176	0.00455	Undiff-G	MIER1
THAP11	3.04E-07	-0.1431	0.007	0.178	0.00455	Undiff-G	THAP11
CEP57	3.06E-07	-0.26838	0.037	0.232	0.004571	Undiff-G	CEP57
EIF2B4	3.06E-07	-0.25099	0.015	0.19	0.00458	Undiff-G	EIF2B4
RPIA	3.07E-07	-0.24822	0.015	0.19	0.004582	Undiff-G	RPIA
FBXL3	3.07E-07	-0.19683	0.007	0.178	0.004589	Undiff-G	FBXL3
ATP13A1	3.09E-07	-0.39388	0	0.163	0.004613	Undiff-G	ATP13A1
ATP5J2	3.09E-07	0.369779	0.324	0.813	0.004624	Undiff-G	ATP5J2
POLR2J3	3.11E-07	0.280427	0.096	0.342	0.004641	Undiff-G	POLR2J3
MTHFS	3.11E-07	-0.28708	0.015	0.191	0.004646	Undiff-G	MTHFS
ZNF688	3.11E-07	-0.35468	0.007	0.178	0.004647	Undiff-G	ZNF688
SF3B3	3.11E-07	-0.19618	0.015	0.192	0.004655	Undiff-G	SF3B3
C14orf119	3.12E-07	0.511181	0.081	0.316	0.004664	Undiff-G	C14orf119
UBE2D4	3.16E-07	-0.28587	0.015	0.192	0.00472	Undiff-G	UBE2D4
PLEK	3.16E-07	-0.69711	0.007	0.177	0.004725	Undiff-G	PLEK
GCAT	3.17E-07	-0.35588	0	0.163	0.004731	Undiff-G	GCAT
PDPK1	3.17E-07	-0.39668	0.015	0.189	0.004738	Undiff-G	PDPK1
MAGT1	3.19E-07	-0.27488	0.022	0.205	0.004772	Undiff-G	MAGT1
IRF2BPL	3.20E-07	0.135742	0.044	0.244	0.004779	Undiff-G	IRF2BPL
TYMS	3.22E-07	-0.46182	0	0.163	0.004811	Undiff-G	TYMS
IRF7	3.25E-07	-0.4682	0	0.163	0.004851	Undiff-G	IRF7
RP11-620J	3.27E-07	0.174217	0.059	0.272	0.004891	Undiff-G	RP11-620J15.3
YRDC	3.27E-07	-0.39745	0	0.163	0.004892	Undiff-G	YRDC
HAMP	3.27E-07	-0.84567	0	0.163	0.004892	Undiff-G	HAMP
XIST	3.30E-07	-0.21448	0.059	0.268	0.004938	Undiff-G	XIST
SCCPDH	3.31E-07	0.488855	0.118	0.38	0.00494	Undiff-G	SCCPDH
SMAD2	3.31E-07	-0.12176	0.015	0.191	0.004947	Undiff-G	SMAD2
ZNF581	3.32E-07	-0.46171	0.007	0.175	0.004969	Undiff-G	ZNF581
GATAD2B	3.33E-07	-0.42335	0	0.162	0.004974	Undiff-G	GATAD2B
TBL2	3.33E-07	-0.22884	0.015	0.191	0.004977	Undiff-G	TBL2
CLEC7A	3.33E-07	-0.57931	0.007	0.177	0.004977	Undiff-G	CLEC7A
SLC25A37	3.35E-07	0.123006	0.081	0.313	0.005004	Undiff-G	SLC25A37

PHYKPL	3.36E-07	-0.37034	0.022	0.204	0.005016	Undiff-G	PHYKPL
KIF9	3.37E-07	-0.4192	0.007	0.176	0.005041	Undiff-G	KIF9
CANT1	3.39E-07	-0.16084	0.007	0.177	0.005072	Undiff-G	CANT1
LYN	3.40E-07	-0.57006	0.007	0.176	0.005081	Undiff-G	LYN
EGLN1	3.41E-07	-0.30951	0.015	0.189	0.005096	Undiff-G	EGLN1
EIF4G3	3.41E-07	-0.40525	0.007	0.176	0.005096	Undiff-G	EIF4G3
FRMD4A	3.42E-07	-0.55973	0.015	0.19	0.005105	Undiff-G	FRMD4A
ISY1	3.43E-07	-0.45363	0.007	0.176	0.00512	Undiff-G	ISY1
CREBL2	3.43E-07	-0.36879	0.015	0.191	0.005123	Undiff-G	CREBL2
SELM	3.47E-07	-0.30802	0.015	0.19	0.005186	Undiff-G	SELM
PGM3	3.47E-07	-0.38201	0.007	0.176	0.005187	Undiff-G	PGM3
FNDC3B	3.49E-07	-0.41223	0.007	0.176	0.005214	Undiff-G	FNDC3B
PKIG	3.50E-07	0.367706	0.081	0.313	0.005235	Undiff-G	PKIG
SLC7A7	3.52E-07	-0.64161	0.007	0.176	0.005255	Undiff-G	SLC7A7
NMB	3.52E-07	-0.347	0.022	0.204	0.005265	Undiff-G	NMB
ZNF655	3.53E-07	-0.12774	0.044	0.242	0.005278	Undiff-G	ZNF655
ACBD3	3.54E-07	-0.1929	0.007	0.176	0.005289	Undiff-G	ACBD3
LTV1	3.57E-07	-0.42192	0.015	0.188	0.00534	Undiff-G	LTV1
CCDC130	3.60E-07	-0.30459	0.037	0.23	0.005383	Undiff-G	CCDC130
RAP1GDS1	3.65E-07	-0.42475	0.007	0.176	0.005452	Undiff-G	RAP1GDS1
GRIA2	3.65E-07	-0.39524	0.029	0.214	0.005455	Undiff-G	GRIA2
SF3A1	3.69E-07	-0.29896	0.007	0.176	0.00551	Undiff-G	SF3A1
BPHL	3.69E-07	-0.15696	0.007	0.176	0.005514	Undiff-G	BPHL
ZDHHC3	3.72E-07	-0.21078	0.022	0.202	0.005557	Undiff-G	ZDHHC3
TM9SF4	3.73E-07	-0.24446	0.015	0.19	0.005579	Undiff-G	TM9SF4
NDUFC1	3.77E-07	0.592702	0.206	0.556	0.00563	Undiff-G	NDUFC1
SULF2	3.77E-07	-0.39359	0	0.161	0.005639	Undiff-G	SULF2
CBY1	3.77E-07	-0.41618	0	0.161	0.005639	Undiff-G	CBY1
CIAO1	3.77E-07	0.135459	0.044	0.245	0.005641	Undiff-G	CIAO1
MTHFD1	3.80E-07	-0.22599	0.015	0.189	0.005684	Undiff-G	MTHFD1
THAP4	3.84E-07	-0.39644	0	0.161	0.005734	Undiff-G	THAP4
TTL7	3.84E-07	-0.32868	0.044	0.239	0.005738	Undiff-G	TTL7
C15orf61	3.85E-07	-0.22933	0.007	0.175	0.00575	Undiff-G	C15orf61
STAU2	3.87E-07	-0.26899	0.007	0.175	0.00579	Undiff-G	STAU2
FJX1	3.87E-07	-0.2828	0.022	0.204	0.00579	Undiff-G	FJX1
SCD	3.93E-07	-0.15181	0.029	0.214	0.005867	Undiff-G	SCD
DAG1	3.94E-07	-0.26203	0.007	0.175	0.005894	Undiff-G	DAG1
FLII	3.97E-07	-0.25671	0.015	0.189	0.005932	Undiff-G	FLII
RHOC	4.00E-07	0.510615	0.199	0.537	0.00598	Undiff-G	RHOC
NUDCD3	4.01E-07	-0.41375	0.022	0.2	0.005985	Undiff-G	NUDCD3
EDNRB	4.02E-07	-0.37767	0.015	0.189	0.006013	Undiff-G	EDNRB
MSMO1	4.04E-07	-0.13347	0.022	0.203	0.006036	Undiff-G	MSMO1
UQCRQ	4.06E-07	0.411738	0.324	0.805	0.006069	Undiff-G	UQCRQ
PAXIP1-AS	4.07E-07	-0.40913	0	0.16	0.006079	Undiff-G	PAXIP1-AS1
ZNF414	4.11E-07	-0.32026	0.015	0.187	0.006141	Undiff-G	ZNF414
NXF1	4.15E-07	-0.40057	0.022	0.2	0.006196	Undiff-G	NXF1
IRF8	4.17E-07	-0.65787	0	0.16	0.006232	Undiff-G	IRF8
UCK1	4.17E-07	-0.22163	0.015	0.187	0.006237	Undiff-G	UCK1
DNAAF2	4.18E-07	-0.23576	0.007	0.175	0.006248	Undiff-G	DNAAF2
TM6SF1	4.21E-07	-0.72292	0	0.16	0.006285	Undiff-G	TM6SF1
GAK	4.24E-07	-0.43173	0	0.16	0.006337	Undiff-G	GAK

SYPL1	4.28E-07	0.511028	0.132	0.409	0.0064	Undiff-G	SYPL1
UGCG	4.31E-07	-0.44988	0	0.16	0.006444	Undiff-G	UGCG
VARS	4.35E-07	-0.39922	0	0.16	0.006498	Undiff-G	VARS
GPX1	4.42E-07	0.368478	0.324	0.819	0.006607	Undiff-G	GPX1
CASP1	4.44E-07	-0.12129	0.037	0.228	0.006631	Undiff-G	CASP1
XIAP	4.44E-07	-0.10035	0.029	0.215	0.006639	Undiff-G	XIAP
GMPS	4.46E-07	-0.31481	0.015	0.186	0.006658	Undiff-G	GMPS
CHMP2B	4.46E-07	0.442245	0.081	0.31	0.006661	Undiff-G	CHMP2B
CLASP2	4.48E-07	-0.43044	0.022	0.199	0.006697	Undiff-G	CLASP2
NLN	4.51E-07	-0.36047	0.015	0.187	0.006738	Undiff-G	NLN
PEX16	4.51E-07	0.222674	0.037	0.23	0.006744	Undiff-G	PEX16
REEP5	4.53E-07	0.601849	0.228	0.589	0.006763	Undiff-G	REEP5
GNS	4.55E-07	-0.17815	0.022	0.201	0.006794	Undiff-G	GNS
IMPDH1	4.57E-07	-0.40341	0	0.159	0.00683	Undiff-G	IMPDH1
PRRX1	4.58E-07	-0.43056	0.007	0.173	0.006841	Undiff-G	PRRX1
TMEM97	4.58E-07	-0.21321	0.007	0.174	0.006847	Undiff-G	TMEM97
BCAR1	4.58E-07	-0.18066	0.007	0.174	0.006849	Undiff-G	BCAR1
DKK3	4.60E-07	-0.26582	0.022	0.202	0.006879	Undiff-G	DKK3
TNRC6C	4.62E-07	-0.3048	0.007	0.174	0.006897	Undiff-G	TNRC6C
ANAPC7	4.62E-07	-0.25581	0.007	0.174	0.006901	Undiff-G	ANAPC7
HSPA13	4.63E-07	-0.10716	0.022	0.202	0.006913	Undiff-G	HSPA13
ALAS1	4.64E-07	-0.34478	0.007	0.173	0.006933	Undiff-G	ALAS1
S100A8	4.67E-07	-0.60373	0.015	0.187	0.006986	Undiff-G	S100A8
FNBP1L	4.69E-07	-0.40175	0.015	0.187	0.007005	Undiff-G	FNBP1L
PDHX	4.73E-07	-0.27109	0.007	0.173	0.007074	Undiff-G	PDHX
NOP16	4.74E-07	-0.10407	0.022	0.201	0.007077	Undiff-G	NOP16
GAL3ST4	4.81E-07	-0.46133	0.007	0.173	0.007192	Undiff-G	GAL3ST4
OXA1L	4.82E-07	0.169929	0.081	0.304	0.007207	Undiff-G	OXA1L
TRIB1	4.84E-07	-0.56242	0	0.159	0.00724	Undiff-G	TRIB1
C8orf82	4.87E-07	-0.34252	0.007	0.173	0.007285	Undiff-G	C8orf82
ABHD11	4.89E-07	-0.47453	0.007	0.171	0.007311	Undiff-G	ABHD11
RBM15B	4.90E-07	-0.2344	0.007	0.173	0.00732	Undiff-G	RBM15B
MKNK2	4.91E-07	-0.33935	0.015	0.186	0.007334	Undiff-G	MKNK2
SLC38A10	4.93E-07	-0.27043	0.022	0.201	0.007361	Undiff-G	SLC38A10
RFC4	4.93E-07	-0.4383	0	0.158	0.007361	Undiff-G	RFC4
RPAP2	4.93E-07	-0.37637	0.015	0.186	0.007372	Undiff-G	RPAP2
SMAD5	4.93E-07	-0.39719	0.007	0.172	0.007372	Undiff-G	SMAD5
TOR3A	4.94E-07	-0.24726	0.029	0.212	0.007379	Undiff-G	TOR3A
AP3B1	4.96E-07	-0.40008	0.007	0.172	0.007407	Undiff-G	AP3B1
HOMER1	4.97E-07	-0.37815	0	0.158	0.007422	Undiff-G	HOMER1
TSC22D2	4.97E-07	-0.45268	0	0.158	0.007422	Undiff-G	TSC22D2
COPS8	4.99E-07	0.735599	0.169	0.473	0.007459	Undiff-G	COPS8
SOCS2	5.01E-07	-0.41857	0	0.158	0.007484	Undiff-G	SOCS2
JAM2	5.02E-07	0.144928	0.051	0.255	0.007507	Undiff-G	JAM2
C11orf49	5.03E-07	0.15293	0.044	0.239	0.007521	Undiff-G	C11orf49
PPP2R4	5.05E-07	-0.17897	0.044	0.239	0.007541	Undiff-G	PPP2R4
PTGS1	5.05E-07	-0.56109	0	0.158	0.007547	Undiff-G	PTGS1
GGH	5.06E-07	0.181153	0.059	0.265	0.007557	Undiff-G	GGH
TBC1D20	5.06E-07	-0.36711	0.015	0.185	0.007567	Undiff-G	TBC1D20
UBA5	5.07E-07	-0.28125	0.015	0.186	0.00758	Undiff-G	UBA5
CKAP5	5.09E-07	-0.39167	0	0.158	0.00761	Undiff-G	CKAP5

BIRC6	5.15E-07	-0.30944	0.015	0.186	0.007692	Undiff-G	BIRC6
KIAA0319L	5.16E-07	-0.28033	0.015	0.186	0.007707	Undiff-G	KIAA0319L
SETD3	5.18E-07	-0.41537	0	0.158	0.007737	Undiff-G	SETD3
CTBS	5.18E-07	-0.46249	0	0.158	0.007737	Undiff-G	CTBS
CFD	5.18E-07	-0.67813	0	0.158	0.007737	Undiff-G	CFD
REV3L	5.21E-07	-0.35777	0.029	0.211	0.007789	Undiff-G	REV3L
BRAT1	5.22E-07	-0.3894	0.015	0.186	0.007807	Undiff-G	BRAT1
NDUFA7	5.23E-07	1.117351	0.125	0.042	0.007821	Undiff-G	NDUFA7
NOL8	5.26E-07	-0.15969	0.015	0.186	0.007862	Undiff-G	NOL8
PPFIBP1	5.26E-07	-0.39405	0	0.158	0.007867	Undiff-G	PPFIBP1
C12orf57	5.27E-07	0.572804	0.199	0.54	0.00788	Undiff-G	C12orf57
MAP2K7	5.28E-07	-0.34897	0.022	0.198	0.007888	Undiff-G	MAP2K7
RRP1B	5.31E-07	-0.37258	0	0.158	0.007932	Undiff-G	RRP1B
PALLD	5.33E-07	-0.27496	0.022	0.2	0.007968	Undiff-G	PALLD
NEDD9	5.35E-07	-0.34568	0.037	0.223	0.007991	Undiff-G	NEDD9
MAGI1	5.35E-07	-0.35857	0.022	0.199	0.007995	Undiff-G	MAGI1
PIGS	5.35E-07	-0.21547	0.015	0.185	0.007999	Undiff-G	PIGS
NOP58	5.36E-07	0.264158	0.074	0.295	0.008005	Undiff-G	NOP58
FH	5.38E-07	0.186511	0.037	0.228	0.008034	Undiff-G	FH
CKAP4	5.46E-07	-0.2716	0.029	0.211	0.008159	Undiff-G	CKAP4
CLIP3	5.48E-07	-0.17966	0.022	0.199	0.008197	Undiff-G	CLIP3
SAC3D1	5.55E-07	-0.22393	0.007	0.172	0.00829	Undiff-G	SAC3D1
UBE2L6	5.55E-07	0.526609	0.169	0.477	0.008295	Undiff-G	UBE2L6
ACD	5.55E-07	-0.4367	0.007	0.17	0.008298	Undiff-G	ACD
PAG1	5.61E-07	-0.46671	0.007	0.171	0.008379	Undiff-G	PAG1
BAIAP2	5.68E-07	-0.1387	0.022	0.199	0.008484	Undiff-G	BAIAP2
SPTSSA	5.71E-07	0.532682	0.147	0.431	0.008527	Undiff-G	SPTSSA
SVIP	5.73E-07	-0.51545	0.007	0.171	0.008557	Undiff-G	SVIP
PEX19	5.75E-07	-0.35936	0.007	0.171	0.008589	Undiff-G	PEX19
CCDC91	5.81E-07	-0.13754	0.022	0.199	0.008683	Undiff-G	CCDC91
TRPT1	5.92E-07	0.176038	0.037	0.225	0.00885	Undiff-G	TRPT1
RP11-161M	5.95E-07	-0.51489	0.007	0.168	0.008886	Undiff-G	RP11-161M6.2
PURB	5.95E-07	-0.37936	0.007	0.171	0.008888	Undiff-G	PURB
FSD1	6.01E-07	-0.37114	0	0.156	0.008982	Undiff-G	FSD1
ABCD3	6.03E-07	-0.36296	0.022	0.197	0.009015	Undiff-G	ABCD3
TRIM33	6.04E-07	-0.3291	0.015	0.185	0.009027	Undiff-G	TRIM33
TDP2	6.14E-07	-0.22378	0.015	0.185	0.009173	Undiff-G	TDP2
PUM2	6.16E-07	-0.37508	0	0.156	0.009208	Undiff-G	PUM2
TRA2A	6.16E-07	0.304986	0.103	0.346	0.009213	Undiff-G	TRA2A
DPYSL4	6.21E-07	-0.37429	0	0.156	0.009285	Undiff-G	DPYSL4
MED24	6.23E-07	-0.36922	0.007	0.17	0.009316	Undiff-G	MED24
OGFRL1	6.24E-07	-0.23192	0.015	0.183	0.009332	Undiff-G	OGFRL1
MAP3K11	6.25E-07	-0.20011	0.015	0.184	0.009343	Undiff-G	MAP3K11
FAM58A	6.26E-07	-0.37961	0	0.156	0.009362	Undiff-G	FAM58A
DOK1	6.26E-07	-0.46377	0	0.156	0.009362	Undiff-G	DOK1
DGKZ	6.30E-07	-0.33715	0.022	0.198	0.009421	Undiff-G	DGKZ
IFRD2	6.40E-07	-0.22804	0.029	0.211	0.009557	Undiff-G	IFRD2
TPST2	6.41E-07	-0.45285	0.007	0.169	0.009586	Undiff-G	TPST2
APPBP2	6.42E-07	-0.18106	0.029	0.211	0.009596	Undiff-G	APPBP2
SLC31A1	6.45E-07	-0.44494	0.007	0.17	0.009637	Undiff-G	SLC31A1
TRIM36	6.45E-07	-0.35755	0.015	0.184	0.00964	Undiff-G	TRIM36

EGR2	6.48E-07	-0.48452	0.022	0.194	0.009684	Undiff-G	EGR2
NMI	6.50E-07	-0.16562	0.015	0.184	0.009713	Undiff-G	NMI
HK1	6.59E-07	-0.25423	0.022	0.197	0.009852	Undiff-G	HK1
IGSF6	6.64E-07	-0.69681	0	0.155	0.00992	Undiff-G	IGSF6
REV1	6.64E-07	-0.38962	0.007	0.169	0.009928	Undiff-G	REV1
STXBP3	6.68E-07	-0.21418	0.022	0.196	0.009984	Undiff-G	STXBP3
RBFA	6.68E-07	-0.38134	0.007	0.169	0.009986	Undiff-G	RBFA
ST6GALNAC	6.69E-07	-0.40569	0	0.155	0.010002	Undiff-G	ST6GALNAC6
EZH2	6.69E-07	-0.42658	0	0.155	0.010002	Undiff-G	EZH2
PLD4	6.69E-07	-0.69849	0	0.155	0.010002	Undiff-G	PLD4
HOTAIRM1	6.69E-07	-0.2191	0.015	0.184	0.010003	Undiff-G	HOTAIRM1
TRADD	6.70E-07	-0.36373	0.007	0.17	0.010007	Undiff-G	TRADD
AKAP7	6.71E-07	-0.33542	0.022	0.197	0.010035	Undiff-G	AKAP7
XPOT	6.78E-07	-0.36599	0.007	0.169	0.010137	Undiff-G	XPOT
CD69	6.80E-07	-0.78034	0	0.155	0.010169	Undiff-G	CD69
ALDH6A1	6.82E-07	-0.15664	0.029	0.209	0.010189	Undiff-G	ALDH6A1
MBOAT2	6.85E-07	-0.26963	0.015	0.184	0.010241	Undiff-G	MBOAT2
TRIM9	6.87E-07	-0.11333	0.044	0.235	0.010264	Undiff-G	TRIM9
SBDS	6.87E-07	0.569279	0.235	0.614	0.010272	Undiff-G	SBDS
UBALD1	6.91E-07	-0.36087	0.007	0.169	0.010326	Undiff-G	UBALD1
YIPF1	6.92E-07	-0.15172	0.015	0.182	0.010334	Undiff-G	YIPF1
IBTK	6.98E-07	-0.26904	0.007	0.169	0.010437	Undiff-G	IBTK
NIPSNAP1	6.99E-07	-0.19485	0.007	0.169	0.010448	Undiff-G	NIPSNAP1
SNX1	7.02E-07	0.125063	0.037	0.224	0.010487	Undiff-G	SNX1
CSNK1G3	7.03E-07	-0.35857	0	0.155	0.01051	Undiff-G	CSNK1G3
C21orf2	7.10E-07	-0.18506	0.022	0.197	0.010612	Undiff-G	C21orf2
HCK	7.11E-07	-0.42646	0.007	0.169	0.010622	Undiff-G	HCK
BTBD10	7.16E-07	-0.12711	0.015	0.183	0.010704	Undiff-G	BTBD10
TRIP12	7.18E-07	-0.38445	0.007	0.167	0.010729	Undiff-G	TRIP12
GGT7	7.19E-07	-0.37659	0.007	0.167	0.01075	Undiff-G	GGT7
SDC2	7.20E-07	-0.30302	0.022	0.194	0.010759	Undiff-G	SDC2
ELAC2	7.21E-07	-0.36913	0	0.154	0.010774	Undiff-G	ELAC2
CSF3R	7.21E-07	-0.68018	0	0.154	0.010774	Undiff-G	CSF3R
COLGALT1	7.28E-07	-0.23246	0.022	0.194	0.010875	Undiff-G	COLGALT1
ATP1B2	7.30E-07	-0.25539	0.044	0.235	0.010915	Undiff-G	ATP1B2
SUN1	7.32E-07	-0.17381	0.029	0.21	0.010937	Undiff-G	SUN1
DRAXIN	7.33E-07	-0.40557	0	0.154	0.010953	Undiff-G	DRAXIN
COQ10B	7.33E-07	0.340217	0.059	0.265	0.01096	Undiff-G	COQ10B
TTC17	7.37E-07	-0.17075	0.037	0.221	0.01101	Undiff-G	TTC17
HIVEP3	7.39E-07	-0.36631	0	0.154	0.011044	Undiff-G	HIVEP3
FAM26F	7.47E-07	-0.49896	0.007	0.169	0.011158	Undiff-G	FAM26F
DUSP12	7.48E-07	0.286146	0.044	0.238	0.011176	Undiff-G	DUSP12
TJP1	7.54E-07	-0.19052	0.015	0.182	0.011263	Undiff-G	TJP1
HLA-DPA1	7.56E-07	0.17142	0.213	0.537	0.011295	Undiff-G	HLA-DPA1
UBN1	7.58E-07	-0.34907	0.007	0.168	0.011329	Undiff-G	UBN1
PXDC1	7.64E-07	-0.3719	0	0.154	0.011414	Undiff-G	PXDC1
CCDC174	7.66E-07	-0.2402	0.022	0.195	0.011447	Undiff-G	CCDC174
CYP27A1	7.68E-07	-0.43405	0.007	0.166	0.011478	Undiff-G	CYP27A1
KPNA4	7.73E-07	-0.27084	0.015	0.182	0.011556	Undiff-G	KPNA4
GAS2L1	7.76E-07	-0.35124	0	0.154	0.011604	Undiff-G	GAS2L1
MBD1	7.89E-07	-0.37432	0	0.153	0.011797	Undiff-G	MBD1

VAMP7	7.92E-07	-0.3704	0.007	0.168	0.011832	Undiff-G	VAMP7
OLIG2	7.95E-07	-0.50957	0.015	0.18	0.011886	Undiff-G	OLIG2
TEX261	7.98E-07	-0.12353	0.007	0.168	0.011923	Undiff-G	TEX261
CCNDBP1	7.98E-07	-0.41435	0.029	0.207	0.011931	Undiff-G	CCNDBP1
ZEB1	8.01E-07	-0.33081	0.022	0.195	0.011969	Undiff-G	ZEB1
BCS1L	8.04E-07	-0.12729	0.007	0.168	0.012021	Undiff-G	BCS1L
RIOK3	8.05E-07	-0.16029	0.022	0.195	0.012036	Undiff-G	RIOK3
PAPD4	8.14E-07	-0.22671	0.015	0.181	0.012168	Undiff-G	PAPD4
TCEAL7	8.15E-07	0.415753	0.081	0.305	0.012174	Undiff-G	TCEAL7
FADS1	8.21E-07	-0.22754	0.037	0.22	0.012267	Undiff-G	FADS1
USP3	8.24E-07	-0.25603	0.007	0.168	0.012314	Undiff-G	USP3
POLE3	8.27E-07	0.175285	0.051	0.249	0.012355	Undiff-G	POLE3
FAM134B	8.28E-07	-0.3757	0.007	0.167	0.012373	Undiff-G	FAM134B
ADK	8.30E-07	-0.33437	0.007	0.167	0.012401	Undiff-G	ADK
RRP7A	8.34E-07	0.436957	0.074	0.29	0.012467	Undiff-G	RRP7A
EML4	8.36E-07	-0.30277	0.022	0.193	0.012486	Undiff-G	EML4
SCRN1	8.41E-07	-0.2475	0.015	0.181	0.012567	Undiff-G	SCRN1
FAM45A	8.44E-07	-0.10696	0.022	0.193	0.012608	Undiff-G	FAM45A
TNPO2	8.44E-07	-0.23785	0.015	0.181	0.012617	Undiff-G	TNPO2
CEBPZ	8.45E-07	0.375252	0.066	0.274	0.012623	Undiff-G	CEBPZ
RGL2	8.46E-07	-0.1821	0.029	0.206	0.012636	Undiff-G	RGL2
UCHL3	8.63E-07	0.199021	0.051	0.25	0.012896	Undiff-G	UCHL3
NR4A3	8.64E-07	-0.64469	0	0.153	0.012915	Undiff-G	NR4A3
SCIN	8.64E-07	-0.74357	0	0.153	0.012915	Undiff-G	SCIN
HPRT1	8.78E-07	0.133951	0.044	0.233	0.013115	Undiff-G	HPRT1
CRNKL1	8.79E-07	-0.35849	0	0.152	0.013129	Undiff-G	CRNKL1
PNKP	8.79E-07	-0.38887	0.015	0.18	0.013134	Undiff-G	PNKP
C18orf21	8.80E-07	-0.19909	0.007	0.167	0.013146	Undiff-G	C18orf21
RIMKLB	8.86E-07	-0.39821	0	0.152	0.013237	Undiff-G	RIMKLB
PSMB3	8.86E-07	0.59865	0.287	0.708	0.013241	Undiff-G	PSMB3
FAM104B	8.95E-07	-0.13018	0.022	0.193	0.013381	Undiff-G	FAM104B
MNDA	8.97E-07	-0.56103	0.015	0.179	0.013399	Undiff-G	MNDA
C20orf96	9.00E-07	-0.36484	0	0.152	0.013457	Undiff-G	C20orf96
ATP13A3	9.00E-07	-0.39419	0	0.152	0.013457	Undiff-G	ATP13A3
ADIPOR2	9.00E-07	-0.43544	0	0.152	0.013457	Undiff-G	ADIPOR2
ZBTB1	9.04E-07	-0.36317	0.007	0.166	0.013515	Undiff-G	ZBTB1
PTK2	9.05E-07	-0.25138	0.015	0.18	0.013519	Undiff-G	PTK2
ZNF3	9.06E-07	-0.23361	0.029	0.207	0.013538	Undiff-G	ZNF3
RFWD2	9.18E-07	-0.22614	0.007	0.166	0.013711	Undiff-G	RFWD2
CHMP7	9.18E-07	-0.15587	0.015	0.179	0.013721	Undiff-G	CHMP7
SLC9A3R1	9.23E-07	-0.39905	0	0.152	0.013793	Undiff-G	SLC9A3R1
DAB2	9.23E-07	-0.6382	0	0.152	0.013793	Undiff-G	DAB2
PROX1	9.27E-07	-0.40338	0.007	0.166	0.013849	Undiff-G	PROX1
C2orf76	9.46E-07	-0.34886	0.007	0.166	0.01414	Undiff-G	C2orf76
SERPINA1	9.47E-07	0.105129	0.081	0.302	0.014156	Undiff-G	SERPINA1
NRSN2	9.47E-07	-0.16434	0.007	0.166	0.014157	Undiff-G	NRSN2
PRKACA	9.54E-07	-0.38515	0	0.151	0.014253	Undiff-G	PRKACA
FAIM2	9.57E-07	-0.26074	0.022	0.193	0.014305	Undiff-G	FAIM2
SSBP2	9.58E-07	0.181973	0.066	0.272	0.01432	Undiff-G	SSBP2
HBS1L	9.71E-07	-0.27441	0.022	0.193	0.014511	Undiff-G	HBS1L
CPNE2	9.76E-07	-0.3748	0.015	0.179	0.014579	Undiff-G	CPNE2

TRIM37	9.78E-07	-0.3351	0	0.151	0.014609	Undiff-G	TRIM37
LMNB1	9.78E-07	-0.43113	0	0.151	0.014609	Undiff-G	LMNB1
PAQR4	9.79E-07	-0.27711	0.007	0.166	0.014636	Undiff-G	PAQR4
NAA38	9.82E-07	0.533308	0.176	0.475	0.014675	Undiff-G	NAA38
ICAM1	9.86E-07	-0.44414	0.007	0.166	0.014735	Undiff-G	ICAM1
TRNAU1AP	9.89E-07	-0.18893	0.029	0.204	0.014786	Undiff-G	TRNAU1AP
TCEB3	9.93E-07	-0.31654	0.015	0.178	0.01484	Undiff-G	TCEB3
CTD-2090I	9.98E-07	1.26912	0.14	0.052	0.01492	Undiff-G	CTD-2090I13.1
FOLR2	1.00E-06	-0.49991	0.015	0.18	0.014943	Undiff-G	FOLR2
NRXN1	1.01E-06	-0.5446	0.007	0.165	0.015037	Undiff-G	NRXN1
TMEM181	1.02E-06	-0.2866	0.007	0.165	0.015227	Undiff-G	TMEM181
CTCF	1.02E-06	-0.24202	0.007	0.165	0.015254	Undiff-G	CTCF
FAM228B	1.02E-06	-0.13983	0.037	0.217	0.015281	Undiff-G	FAM228B
ARFIP1	1.02E-06	-0.38329	0.007	0.164	0.015284	Undiff-G	ARFIP1
TCERG1	1.03E-06	-0.21409	0.029	0.206	0.015334	Undiff-G	TCERG1
TLE4	1.03E-06	-0.33397	0.007	0.165	0.015349	Undiff-G	TLE4
VHL	1.03E-06	-0.37119	0.007	0.165	0.015364	Undiff-G	VHL
DCAF10	1.03E-06	-0.13867	0.015	0.179	0.015382	Undiff-G	DCAF10
TANC2	1.03E-06	-0.35264	0.022	0.191	0.015404	Undiff-G	TANC2
FAM103A1	1.03E-06	0.237818	0.051	0.245	0.01544	Undiff-G	FAM103A1
ASXL1	1.03E-06	-0.3312	0.015	0.179	0.015445	Undiff-G	ASXL1
GNG5	1.03E-06	0.468925	0.257	0.649	0.015449	Undiff-G	GNG5
NELFB	1.04E-06	-0.33521	0	0.151	0.015472	Undiff-G	NELFB
SNAP47	1.04E-06	-0.1012	0.029	0.204	0.015492	Undiff-G	SNAP47
RP11-395G	1.04E-06	-0.16206	0.015	0.179	0.015532	Undiff-G	RP11-395G23.3
ZNF821	1.04E-06	-0.35625	0.007	0.165	0.015571	Undiff-G	ZNF821
RND2	1.05E-06	-0.19381	0.007	0.165	0.015627	Undiff-G	RND2
SDAD1	1.05E-06	0.183517	0.037	0.221	0.015637	Undiff-G	SDAD1
IQGAP2	1.05E-06	-0.39017	0	0.15	0.015728	Undiff-G	IQGAP2
ATXN1	1.05E-06	-0.35818	0.007	0.165	0.015755	Undiff-G	ATXN1
GPSM2	1.06E-06	-0.36637	0.015	0.179	0.015806	Undiff-G	GPSM2
LINC00116	1.06E-06	0.355094	0.118	0.367	0.015812	Undiff-G	LINC00116
CNPPD1	1.06E-06	0.163465	0.029	0.207	0.015863	Undiff-G	CNPPD1
SNX9	1.06E-06	-0.40529	0.022	0.191	0.015902	Undiff-G	SNX9
NDUFAF2	1.07E-06	0.497143	0.066	0.275	0.015944	Undiff-G	NDUFAF2
PHACTR4	1.07E-06	-0.16553	0.029	0.204	0.015978	Undiff-G	PHACTR4
HNRNPUL2	1.07E-06	-0.34016	0.007	0.165	0.01598	Undiff-G	HNRNPUL2
RNF20	1.07E-06	-0.38656	0	0.15	0.015988	Undiff-G	RNF20
CDC73	1.08E-06	-0.10742	0.022	0.191	0.016119	Undiff-G	CDC73
MLC1	1.08E-06	-0.38674	0	0.15	0.01612	Undiff-G	MLC1
ARHGAP24	1.08E-06	-0.6611	0	0.15	0.01612	Undiff-G	ARHGAP24
GLIPR1	1.08E-06	0.269087	0.103	0.337	0.016147	Undiff-G	GLIPR1
TNFRSF21	1.08E-06	-0.22404	0.007	0.165	0.016151	Undiff-G	TNFRSF21
RCAN1	1.08E-06	0.178032	0.066	0.27	0.016152	Undiff-G	RCAN1
FIBIN	1.08E-06	-0.14366	0.044	0.229	0.016162	Undiff-G	FIBIN
GSKIP	1.09E-06	-0.39198	0	0.15	0.016252	Undiff-G	GSKIP
SYNC	1.09E-06	-0.36657	0.015	0.178	0.01633	Undiff-G	SYNC
MEIS2	1.10E-06	-0.16935	0.029	0.205	0.016369	Undiff-G	MEIS2
SFSWAP	1.10E-06	-0.21821	0.015	0.178	0.016506	Undiff-G	SFSWAP
NUDT2	1.11E-06	-0.38217	0.015	0.177	0.01652	Undiff-G	NUDT2
PTPN11	1.11E-06	-0.35952	0	0.15	0.016521	Undiff-G	PTPN11



DNAJB12	1. 12E-06	-0. 47367	0	0. 15	0. 016793	Undiff-G	DNAJB12
CYBRD1	1. 12E-06	-0. 3756	0. 015	0. 178	0. 0168	Undiff-G	CYBRD1
PRR4	1. 13E-06	-0. 12499	0. 037	0. 218	0. 016889	Undiff-G	PRR4
VPS16	1. 13E-06	-0. 30039	0. 015	0. 177	0. 016891	Undiff-G	VPS16
ZNF75A	1. 13E-06	-0. 20759	0. 037	0. 216	0. 016941	Undiff-G	ZNF75A
TBC1D7	1. 14E-06	-0. 22656	0. 007	0. 164	0. 016964	Undiff-G	TBC1D7
ZNF195	1. 14E-06	-0. 18351	0. 007	0. 164	0. 017103	Undiff-G	ZNF195
RGMA	1. 15E-06	-0. 3821	0. 029	0. 202	0. 017141	Undiff-G	RGMA
GMNN	1. 15E-06	-0. 16521	0. 015	0. 178	0. 017142	Undiff-G	GMNN
ECHDC2	1. 15E-06	-0. 33343	0. 022	0. 19	0. 01721	Undiff-G	ECHDC2
NCK2	1. 15E-06	-0. 40018	0	0. 15	0. 017211	Undiff-G	NCK2
TMEM243	1. 15E-06	-0. 3115	0. 029	0. 204	0. 017243	Undiff-G	TMEM243
ETV6	1. 17E-06	-0. 41988	0	0. 149	0. 017495	Undiff-G	ETV6
DNAJC9	1. 17E-06	-0. 26614	0. 007	0. 164	0. 017521	Undiff-G	DNAJC9
BRD8	1. 17E-06	-0. 16077	0. 007	0. 164	0. 017531	Undiff-G	BRD8
SSH2	1. 18E-06	-0. 11579	0. 015	0. 178	0. 0176	Undiff-G	SSH2
KDM5B	1. 18E-06	-0. 29719	0. 007	0. 164	0. 017654	Undiff-G	KDM5B
LUZP1	1. 18E-06	-0. 10842	0. 022	0. 19	0. 017691	Undiff-G	LUZP1
LPCAT2	1. 20E-06	-0. 57139	0	0. 149	0. 017929	Undiff-G	LPCAT2
MLLT4	1. 20E-06	-0. 32297	0. 007	0. 164	0. 017941	Undiff-G	MLLT4
TPRA1	1. 21E-06	-0. 21093	0. 007	0. 163	0. 018103	Undiff-G	TPRA1
TSR1	1. 21E-06	-0. 21163	0. 022	0. 191	0. 018132	Undiff-G	TSR1
TUG1	1. 22E-06	-0. 28525	0. 015	0. 177	0. 018221	Undiff-G	TUG1
ENDOG	1. 22E-06	-0. 33814	0	0. 149	0. 018225	Undiff-G	ENDOG
CSK	1. 22E-06	-0. 46141	0	0. 149	0. 018225	Undiff-G	CSK
TRIP11	1. 22E-06	-0. 18794	0. 022	0. 191	0. 018252	Undiff-G	TRIP11
TOR2A	1. 23E-06	-0. 40928	0	0. 149	0. 018375	Undiff-G	TOR2A
NETO2	1. 23E-06	-0. 33883	0. 007	0. 163	0. 018383	Undiff-G	NETO2
SIKE1	1. 23E-06	-0. 37337	0. 022	0. 19	0. 018425	Undiff-G	SIKE1
DUSP3	1. 26E-06	-0. 11268	0. 015	0. 177	0. 018761	Undiff-G	DUSP3
PLEC	1. 26E-06	-0. 15324	0. 022	0. 188	0. 018807	Undiff-G	PLEC
ZDHHC7	1. 26E-06	-0. 37971	0	0. 149	0. 018831	Undiff-G	ZDHHC7
AKT1	1. 27E-06	-0. 39288	0	0. 148	0. 018985	Undiff-G	AKT1
ZC3H6	1. 27E-06	-0. 40665	0	0. 148	0. 018985	Undiff-G	ZC3H6
TMEM57	1. 27E-06	-0. 36435	0. 015	0. 176	0. 01901	Undiff-G	TMEM57
FAM110B	1. 27E-06	-0. 36268	0. 022	0. 188	0. 019035	Undiff-G	FAM110B
FUZ	1. 28E-06	-0. 31922	0. 007	0. 163	0. 019106	Undiff-G	FUZ
LMF2	1. 28E-06	-0. 17269	0. 029	0. 203	0. 019125	Undiff-G	LMF2
PIK3IP1	1. 28E-06	-0. 57851	0. 007	0. 163	0. 019137	Undiff-G	PIK3IP1
HTATIP2	1. 28E-06	-0. 47086	0	0. 148	0. 019141	Undiff-G	HTATIP2
CS	1. 29E-06	-0. 29788	0. 007	0. 163	0. 019274	Undiff-G	CS
TARBP2	1. 30E-06	-0. 3659	0	0. 148	0. 019456	Undiff-G	TARBP2
FAM118B	1. 30E-06	-0. 38831	0	0. 148	0. 019456	Undiff-G	FAM118B
SERPINB9	1. 30E-06	-0. 61489	0	0. 148	0. 019456	Undiff-G	SERPINB9
CDC42EP4	1. 32E-06	-0. 23107	0. 029	0. 203	0. 019712	Undiff-G	CDC42EP4
ARL16	1. 32E-06	0. 474334	0. 096	0. 322	0. 019734	Undiff-G	ARL16
ZMYND11	1. 32E-06	-0. 34332	0	0. 148	0. 019776	Undiff-G	ZMYND11
CYTH1	1. 33E-06	-0. 48663	0. 007	0. 16	0. 019901	Undiff-G	CYTH1
LHFPL2	1. 34E-06	-0. 39744	0. 007	0. 162	0. 019953	Undiff-G	LHFPL2
GGCX	1. 35E-06	-0. 13476	0. 015	0. 176	0. 020169	Undiff-G	GGCX
APC	1. 35E-06	-0. 10531	0. 037	0. 215	0. 020223	Undiff-G	APC

VPS13C	1. 36E-06	-0. 30138	0. 015	0. 176	0. 020255	Undiff-G	VPS13C
SUDS3	1. 36E-06	-0. 24895	0. 022	0. 19	0. 0203	Undiff-G	SUDS3
AAAS	1. 36E-06	-0. 36944	0. 022	0. 188	0. 020302	Undiff-G	AAAS
MTMR2	1. 37E-06	-0. 34682	0	0. 148	0. 020432	Undiff-G	MTMR2
ZNF92	1. 37E-06	-0. 42607	0	0. 148	0. 020432	Undiff-G	ZNF92
NECAP2	1. 37E-06	0. 345302	0. 081	0. 294	0. 020481	Undiff-G	NECAP2
IFT81	1. 38E-06	-0. 35358	0. 007	0. 161	0. 020569	Undiff-G	IFT81
SCFD1	1. 38E-06	0. 241421	0. 059	0. 255	0. 020624	Undiff-G	SCFD1
CRAT	1. 38E-06	-0. 23969	0. 007	0. 162	0. 020627	Undiff-G	CRAT
IVD	1. 38E-06	-0. 19872	0. 029	0. 201	0. 020641	Undiff-G	IVD
GPR155	1. 39E-06	-0. 32777	0. 022	0. 189	0. 020719	Undiff-G	GPR155
NCF4	1. 39E-06	-0. 66255	0	0. 148	0. 020769	Undiff-G	NCF4
CDKN2D	1. 41E-06	-0. 40588	0. 007	0. 161	0. 02102	Undiff-G	CDKN2D
ALYREF	1. 41E-06	-0. 32637	0	0. 147	0. 02111	Undiff-G	ALYREF
CHKA	1. 41E-06	-0. 1384	0. 022	0. 189	0. 021136	Undiff-G	CHKA
SLC27A1	1. 41E-06	-0. 28022	0. 007	0. 162	0. 021137	Undiff-G	SLC27A1
DCP1A	1. 42E-06	0. 108068	0. 044	0. 229	0. 021186	Undiff-G	DCP1A
SAMM50	1. 42E-06	0. 192668	0. 037	0. 217	0. 021238	Undiff-G	SAMM50
PCYT2	1. 43E-06	-0. 22502	0. 007	0. 162	0. 021315	Undiff-G	PCYT2
EXOSC3	1. 43E-06	-0. 22467	0. 007	0. 162	0. 021319	Undiff-G	EXOSC3
ZNF138	1. 44E-06	-0. 39172	0	0. 147	0. 021457	Undiff-G	ZNF138
SORBS3	1. 44E-06	-0. 28053	0. 015	0. 174	0. 021528	Undiff-G	SORBS3
NFE2L1	1. 44E-06	-0. 27725	0. 022	0. 189	0. 021552	Undiff-G	NFE2L1
CUL4A	1. 45E-06	-0. 36616	0	0. 147	0. 021633	Undiff-G	CUL4A
ABAT	1. 45E-06	-0. 37696	0. 007	0. 161	0. 021695	Undiff-G	ABAT
RRP36	1. 46E-06	-0. 32232	0	0. 147	0. 02181	Undiff-G	RRP36
OSM	1. 46E-06	-0. 72863	0	0. 147	0. 02181	Undiff-G	OSM
TIPRL	1. 46E-06	0. 406952	0. 066	0. 268	0. 021873	Undiff-G	TIPRL
SNX7	1. 46E-06	-0. 18311	0. 015	0. 175	0. 021874	Undiff-G	SNX7
FLOT2	1. 46E-06	-0. 22243	0. 022	0. 188	0. 021874	Undiff-G	FLOT2
TP53I3	1. 47E-06	-0. 40533	0	0. 147	0. 021988	Undiff-G	TP53I3
BOD1L1	1. 47E-06	-0. 36443	0. 007	0. 161	0. 022015	Undiff-G	BOD1L1
CTXN1	1. 47E-06	-0. 31824	0. 007	0. 161	0. 022028	Undiff-G	CTXN1
PHGDH	1. 48E-06	-0. 29138	0. 029	0. 202	0. 022052	Undiff-G	PHGDH
HES4	1. 48E-06	-0. 34194	0. 022	0. 189	0. 02208	Undiff-G	HES4
TWISTNB	1. 48E-06	0. 481589	0. 066	0. 271	0. 022143	Undiff-G	TWISTNB
ZNF667-AS	1. 49E-06	0. 546336	0. 132	0. 391	0. 022264	Undiff-G	ZNF667-AS1
POLR2M	1. 51E-06	-0. 33178	0. 007	0. 161	0. 022557	Undiff-G	POLR2M
TBC1D14	1. 52E-06	-0. 27433	0. 015	0. 173	0. 022663	Undiff-G	TBC1D14
STX18	1. 52E-06	-0. 27826	0. 007	0. 161	0. 022717	Undiff-G	STX18
DTNA	1. 52E-06	0. 240436	0. 059	0. 255	0. 022728	Undiff-G	DTNA
PRR14	1. 52E-06	-0. 13008	0. 029	0. 202	0. 022732	Undiff-G	PRR14
ABHD8	1. 53E-06	-0. 34716	0	0. 147	0. 022902	Undiff-G	ABHD8
KIAA0930	1. 53E-06	-0. 4696	0	0. 147	0. 022902	Undiff-G	KIAA0930
RNASE2	1. 54E-06	-0. 71084	0. 007	0. 159	0. 022985	Undiff-G	RNASE2
PKM	1. 54E-06	1. 042024	0. 596	0. 772	0. 023007	Undiff-G	PKM
TEAD1	1. 55E-06	-0. 31113	0	0. 146	0. 023089	Undiff-G	TEAD1
MTMR6	1. 56E-06	-0. 40768	0	0. 146	0. 023278	Undiff-G	MTMR6
SEC22C	1. 56E-06	0. 345318	0. 044	0. 23	0. 023294	Undiff-G	SEC22C
FHL3	1. 56E-06	-0. 15669	0. 007	0. 161	0. 02332	Undiff-G	FHL3
TMEM132A	1. 57E-06	-0. 32468	0	0. 146	0. 023468	Undiff-G	TMEM132A

FAM162A	1.57E-06	0.487574	0.14	0.404	0.023524	Undiff-G	FAM162A
MAFG	1.58E-06	-0.13937	0.022	0.186	0.023612	Undiff-G	MAFG
HBD	1.58E-06	0.540291	0.015	0.001	0.023639	Undiff-G	HBD
MCMBP	1.58E-06	-0.38971	0	0.146	0.02366	Undiff-G	MCMBP
C11orf1	1.58E-06	-0.45953	0	0.146	0.02366	Undiff-G	C11orf1
ACO08268.	1.61E-06	0.209071	0.015	0.001	0.024006	Undiff-G	ACO08268.1
WDR83	1.61E-06	-0.35223	0.015	0.173	0.02402	Undiff-G	WDR83
COR07	1.61E-06	-0.45097	0.007	0.16	0.024074	Undiff-G	COR07
TRIO	1.61E-06	-0.34956	0.015	0.174	0.024082	Undiff-G	TRIO
HUWE1	1.62E-06	-0.25189	0.015	0.174	0.024158	Undiff-G	HUWE1
NDUFS5	1.62E-06	0.453151	0.331	0.816	0.024215	Undiff-G	NDUFS5
POM121	1.63E-06	-0.37977	0.007	0.159	0.024329	Undiff-G	POM121
STXBP2	1.64E-06	-0.3244	0.015	0.174	0.024491	Undiff-G	STXBP2
TMEM129	1.64E-06	-0.28586	0.015	0.174	0.024514	Undiff-G	TMEM129
VWA1	1.65E-06	-0.36659	0	0.146	0.024642	Undiff-G	VWA1
COL4A3BP	1.65E-06	-0.38485	0	0.146	0.024642	Undiff-G	COL4A3BP
TARS	1.66E-06	0.2143	0.044	0.229	0.024761	Undiff-G	TARS
COA5	1.66E-06	0.206245	0.088	0.308	0.024771	Undiff-G	COA5
BST2	1.66E-06	0.222356	0.191	0.489	0.024861	Undiff-G	BST2
METTL2A	1.66E-06	-0.10983	0.007	0.16	0.024881	Undiff-G	METTL2A
CFLAR	1.68E-06	0.465245	0.096	0.321	0.025127	Undiff-G	CFLAR
PITPNB	1.68E-06	-0.32784	0.015	0.173	0.025156	Undiff-G	PITPNB
KLHL5	1.68E-06	-0.39323	0.015	0.172	0.025168	Undiff-G	KLHL5
DLX5	1.69E-06	-0.73669	0	0.145	0.02525	Undiff-G	DLX5
CCDC28A	1.69E-06	-0.29131	0.007	0.16	0.025269	Undiff-G	CCDC28A
BCL2A1	1.69E-06	-0.61746	0.007	0.159	0.025321	Undiff-G	BCL2A1
APBB1IP	1.69E-06	-0.59428	0.007	0.158	0.025327	Undiff-G	APBB1IP
ZFYVE21	1.70E-06	0.340874	0.066	0.268	0.025436	Undiff-G	ZFYVE21
IRAK1	1.71E-06	-0.27221	0.007	0.16	0.02549	Undiff-G	IRAK1
FAM122A	1.72E-06	-0.38491	0	0.145	0.025664	Undiff-G	FAM122A
UGDH	1.72E-06	-0.17172	0.007	0.16	0.025697	Undiff-G	UGDH
SAMD8	1.73E-06	-0.37642	0	0.145	0.025873	Undiff-G	SAMD8
DPP8	1.74E-06	-0.35348	0.007	0.159	0.025946	Undiff-G	DPP8
EXT2	1.74E-06	-0.25899	0.015	0.173	0.026054	Undiff-G	EXT2
HSCB	1.75E-06	-0.25931	0.015	0.174	0.026078	Undiff-G	HSCB
PDS5A	1.75E-06	-0.17462	0.007	0.16	0.026123	Undiff-G	PDS5A
CALU	1.76E-06	0.715868	0.14	0.406	0.02625	Undiff-G	CALU
NUMB	1.76E-06	-0.35733	0.015	0.172	0.02625	Undiff-G	NUMB
GM2A	1.76E-06	-0.49267	0	0.145	0.026297	Undiff-G	GM2A
FAH	1.77E-06	-0.4092	0.007	0.159	0.026434	Undiff-G	FAH
BRX1	1.77E-06	0.467185	0.059	0.256	0.026514	Undiff-G	BRX1
PRKAB1	1.78E-06	-0.39663	0.007	0.159	0.026534	Undiff-G	PRKAB1
EVI5	1.79E-06	-0.25302	0.022	0.186	0.026704	Undiff-G	EVI5
TLE1	1.79E-06	-0.34592	0.015	0.171	0.026739	Undiff-G	TLE1
JOSD1	1.79E-06	-0.22931	0.007	0.159	0.026761	Undiff-G	JOSD1
USP39	1.79E-06	-0.2079	0.022	0.187	0.026765	Undiff-G	USP39
NOA1	1.80E-06	-0.37675	0	0.145	0.026946	Undiff-G	NOA1
C7orf26	1.80E-06	-0.29168	0.007	0.159	0.026963	Undiff-G	C7orf26
PPP1R35	1.81E-06	-0.32458	0.007	0.159	0.027082	Undiff-G	PPP1R35
SPATA6	1.81E-06	-0.37844	0.007	0.158	0.027093	Undiff-G	SPATA6
RNF26	1.82E-06	-0.25847	0.007	0.159	0.027161	Undiff-G	RNF26

DCBLD2	1. 82E-06	-0. 35155	0	0. 145	0. 027165	Undiff-G	DCBLD2
BRE	1. 82E-06	0. 295131	0. 044	0. 228	0. 027175	Undiff-G	BRE
CBS	1. 83E-06	-0. 3084	0. 007	0. 159	0. 027273	Undiff-G	CBS
KIAA2026	1. 83E-06	-0. 40278	0	0. 145	0. 027387	Undiff-G	KIAA2026
CDK11A	1. 84E-06	-0. 12407	0. 029	0. 198	0. 027531	Undiff-G	CDK11A
MUT	1. 85E-06	-0. 18762	0. 007	0. 159	0. 027644	Undiff-G	MUT
MAFF	1. 87E-06	-0. 19606	0. 015	0. 173	0. 027925	Undiff-G	MAFF
SEMA6D	1. 87E-06	-0. 38861	0. 007	0. 159	0. 027944	Undiff-G	SEMA6D
PLXNB2	1. 90E-06	-0. 20895	0. 007	0. 159	0. 028324	Undiff-G	PLXNB2
SCAP	1. 90E-06	-0. 21165	0. 007	0. 159	0. 028324	Undiff-G	SCAP
ZC3H18	1. 90E-06	-0. 34402	0. 007	0. 158	0. 028457	Undiff-G	ZC3H18
OCEL1	1. 90E-06	-0. 39624	0. 007	0. 158	0. 028459	Undiff-G	OCEL1
MAD1L1	1. 91E-06	-0. 38975	0. 007	0. 158	0. 028566	Undiff-G	MAD1L1
UBAP1	1. 91E-06	-0. 10053	0. 022	0. 186	0. 028592	Undiff-G	UBAP1
SLC25A17	1. 92E-06	-0. 27993	0. 007	0. 159	0. 028741	Undiff-G	SLC25A17
C11orf24	1. 92E-06	-0. 38854	0	0. 144	0. 028753	Undiff-G	C11orf24
HPS4	1. 93E-06	-0. 37028	0. 022	0. 185	0. 028825	Undiff-G	HPS4
ZNF83	1. 93E-06	-0. 1224	0. 029	0. 199	0. 028876	Undiff-G	ZNF83
NIT1	1. 94E-06	-0. 18125	0. 015	0. 172	0. 028917	Undiff-G	NIT1
SMC6	1. 94E-06	-0. 10412	0. 007	0. 158	0. 029032	Undiff-G	SMC6
RPP30	1. 95E-06	-0. 27732	0. 015	0. 17	0. 029199	Undiff-G	RPP30
ARHGEF6	1. 96E-06	-0. 3672	0	0. 144	0. 029223	Undiff-G	ARHGEF6
MPRIP	1. 96E-06	-0. 22514	0. 007	0. 158	0. 029257	Undiff-G	MPRIP
SPTBN1	1. 96E-06	0. 171946	0. 074	0. 277	0. 029288	Undiff-G	SPTBN1
FBX03	1. 97E-06	-0. 31555	0. 015	0. 172	0. 029439	Undiff-G	FBX03
COMMD10	1. 97E-06	0. 271418	0. 044	0. 227	0. 029446	Undiff-G	COMMD10
GPATCH2L	2. 00E-06	-0. 12745	0. 044	0. 225	0. 029833	Undiff-G	GPATCH2L
RAB3GAP2	2. 00E-06	-0. 20555	0. 015	0. 172	0. 029912	Undiff-G	RAB3GAP2
ZNF711	2. 00E-06	-0. 39277	0	0. 144	0. 029942	Undiff-G	ZNF711
MKNK1	2. 02E-06	-0. 28702	0. 015	0. 172	0. 030114	Undiff-G	MKNK1
BCCIP	2. 04E-06	-0. 20968	0. 022	0. 185	0. 030423	Undiff-G	BCCIP
NOC4L	2. 04E-06	-0. 10229	0. 007	0. 158	0. 030477	Undiff-G	NOC4L
PSMG4	2. 04E-06	0. 10394	0. 029	0. 2	0. 030481	Undiff-G	PSMG4
LENG8	2. 05E-06	-0. 11117	0. 044	0. 225	0. 030638	Undiff-G	LENG8
PHF11	2. 05E-06	-0. 42378	0	0. 143	0. 030678	Undiff-G	PHF11
KIN	2. 07E-06	-0. 38479	0	0. 143	0. 030928	Undiff-G	KIN
TMSB15B	2. 08E-06	-0. 35298	0. 022	0. 183	0. 031049	Undiff-G	TMSB15B
TCEB2	2. 08E-06	0. 423059	0. 346	0. 829	0. 031141	Undiff-G	TCEB2
TBC1D5	2. 09E-06	-0. 38692	0	0. 143	0. 031179	Undiff-G	TBC1D5
AP5M1	2. 10E-06	-0. 36355	0. 007	0. 157	0. 031432	Undiff-G	AP5M1
PTS	2. 11E-06	0. 474729	0. 103	0. 329	0. 031516	Undiff-G	PTS
B3GNT5	2. 12E-06	-0. 45862	0	0. 143	0. 031688	Undiff-G	B3GNT5
ADAM28	2. 14E-06	-0. 6424	0	0. 143	0. 031946	Undiff-G	ADAM28
OLIG1	2. 14E-06	-0. 57472	0. 022	0. 182	0. 031983	Undiff-G	OLIG1
COX5B	2. 15E-06	0. 407001	0. 353	0. 854	0. 032119	Undiff-G	COX5B
SETD5	2. 20E-06	0. 124912	0. 081	0. 291	0. 032805	Undiff-G	SETD5
AP2A1	2. 21E-06	0. 148871	0. 051	0. 238	0. 032977	Undiff-G	AP2A1
LINC00662	2. 21E-06	-0. 1289	0. 022	0. 185	0. 032988	Undiff-G	LINC00662
ALKBH2	2. 21E-06	-0. 25517	0. 029	0. 197	0. 033027	Undiff-G	ALKBH2
ACBD5	2. 22E-06	-0. 3523	0. 015	0. 169	0. 033127	Undiff-G	ACBD5
FAM217B	2. 22E-06	-0. 34462	0. 007	0. 157	0. 033214	Undiff-G	FAM217B

NR2F6	2.23E-06	-0.31218	0	0.143	0.033265	Undiff-G	NR2F6
VAC14	2.23E-06	-0.3372	0	0.143	0.033265	Undiff-G	VAC14
C6orf47	2.23E-06	-0.34661	0	0.143	0.033265	Undiff-G	C6orf47
CDK9	2.23E-06	-0.35646	0	0.143	0.033265	Undiff-G	CDK9
CTTNBP2NL	2.23E-06	-0.40708	0.007	0.155	0.033295	Undiff-G	CTTNBP2NL
FTSJ2	2.23E-06	0.16106	0.051	0.239	0.033356	Undiff-G	FTSJ2
CD4	2.25E-06	-0.55003	0.007	0.157	0.033577	Undiff-G	CD4
GRIA3	2.25E-06	-0.33917	0.015	0.17	0.033671	Undiff-G	GRIA3
SOGA1	2.25E-06	-0.30003	0.007	0.157	0.033673	Undiff-G	SOGA1
TMEM205	2.25E-06	0.578314	0.191	0.499	0.033697	Undiff-G	TMEM205
FZR1	2.26E-06	-0.29121	0.007	0.157	0.0337	Undiff-G	FZR1
FUOM	2.26E-06	-0.54554	0	0.142	0.033807	Undiff-G	FUOM
GPC1	2.26E-06	0.108885	0.051	0.239	0.033842	Undiff-G	GPC1
POMGNT2	2.28E-06	-0.33433	0	0.142	0.034081	Undiff-G	POMGNT2
CLCN7	2.29E-06	-0.33846	0.007	0.156	0.034226	Undiff-G	CLCN7
DCLK2	2.30E-06	-0.15839	0.029	0.198	0.034302	Undiff-G	DCLK2
PDS5B	2.30E-06	-0.2611	0.015	0.169	0.034405	Undiff-G	PDS5B
COASY	2.30E-06	-0.28488	0.029	0.196	0.034409	Undiff-G	COASY
EHBP1	2.32E-06	-0.33621	0.015	0.169	0.034632	Undiff-G	EHBP1
ARL4D	2.33E-06	-0.34211	0.015	0.171	0.034748	Undiff-G	ARL4D
RAB8B	2.34E-06	-0.23624	0.007	0.156	0.034952	Undiff-G	RAB8B
RIPK2	2.35E-06	-0.23407	0.015	0.17	0.035127	Undiff-G	RIPK2
ZNF672	2.36E-06	-0.34995	0	0.142	0.035201	Undiff-G	ZNF672
SLC25A19	2.36E-06	-0.29919	0.015	0.17	0.035271	Undiff-G	SLC25A19
HADH	2.36E-06	0.175532	0.037	0.209	0.035272	Undiff-G	HADH
SCG5	2.36E-06	0.369906	0.103	0.331	0.035293	Undiff-G	SCG5
TMEM115	2.36E-06	0.108491	0.037	0.21	0.035328	Undiff-G	TMEM115
MAP4K5	2.37E-06	-0.30956	0.007	0.156	0.035422	Undiff-G	MAP4K5
VPS45	2.37E-06	-0.12406	0.015	0.17	0.03544	Undiff-G	VPS45
ATP13A2	2.37E-06	-0.33958	0	0.142	0.035487	Undiff-G	ATP13A2
PHKG2	2.38E-06	-0.18788	0.007	0.156	0.035527	Undiff-G	PHKG2
UBL4A	2.41E-06	0.114135	0.022	0.184	0.035945	Undiff-G	UBL4A
ACOT9	2.41E-06	-0.24563	0.022	0.184	0.036005	Undiff-G	ACOT9
PXK	2.41E-06	-0.42078	0	0.142	0.036065	Undiff-G	PXK
MAPK10	2.44E-06	-0.14092	0.029	0.197	0.036427	Undiff-G	MAPK10
F8A1	2.45E-06	-0.33319	0	0.142	0.036652	Undiff-G	F8A1
C2orf68	2.45E-06	-0.39449	0	0.142	0.036652	Undiff-G	C2orf68
NOTCH2NL	2.47E-06	-0.32871	0.015	0.168	0.036845	Undiff-G	NOTCH2NL
PPM1A	2.47E-06	-0.12087	0.022	0.184	0.036925	Undiff-G	PPM1A
MIAT	2.47E-06	-0.43472	0.015	0.169	0.036935	Undiff-G	MIAT
POU3F3	2.47E-06	-0.24993	0.007	0.156	0.036982	Undiff-G	POU3F3
BAP1	2.49E-06	-0.34847	0	0.141	0.037248	Undiff-G	BAP1
ADCK2	2.49E-06	-0.39178	0	0.141	0.037248	Undiff-G	ADCK2
GPC2	2.51E-06	-0.3748	0.015	0.17	0.03751	Undiff-G	GPC2
RPRD1A	2.52E-06	-0.16798	0.037	0.209	0.037637	Undiff-G	RPRD1A
ANKRD13D	2.52E-06	-0.32999	0.015	0.169	0.037648	Undiff-G	ANKRD13D
SLC50A1	2.52E-06	-0.26206	0.015	0.169	0.037684	Undiff-G	SLC50A1
CIAPIN1	2.52E-06	0.374759	0.066	0.262	0.037719	Undiff-G	CIAPIN1
CRCP	2.53E-06	-0.10735	0.022	0.183	0.037763	Undiff-G	CRCP
BMP7	2.53E-06	-0.36698	0.015	0.168	0.037831	Undiff-G	BMP7
LIX1L	2.55E-06	-0.32843	0	0.141	0.038161	Undiff-G	LIX1L

SCAF1	2.57E-06	-0.32462	0.007	0.155	0.038363	Undiff-G	SCAF1
LINC01094	2.57E-06	-0.41275	0.007	0.155	0.038457	Undiff-G	LINC01094
BMI1	2.57E-06	-0.32882	0	0.141	0.03847	Undiff-G	BMI1
BTBD7	2.60E-06	-0.37391	0	0.141	0.038782	Undiff-G	BTBD7
DNAJC30	2.60E-06	-0.25018	0.007	0.155	0.038814	Undiff-G	DNAJC30
SH3YL1	2.62E-06	0.11948	0.022	0.183	0.039212	Undiff-G	SH3YL1
FBXW2	2.63E-06	-0.11774	0.029	0.194	0.039357	Undiff-G	FBXW2
ZBED1	2.64E-06	-0.35326	0	0.141	0.039412	Undiff-G	ZBED1
MITD1	2.67E-06	0.189557	0.051	0.236	0.039858	Undiff-G	MITD1
FOXG1	2.68E-06	-0.30997	0.007	0.155	0.040038	Undiff-G	FOXG1
RAP2B	2.68E-06	-0.21062	0.015	0.167	0.040049	Undiff-G	RAP2B
LBH	2.68E-06	-0.21931	0.007	0.155	0.040101	Undiff-G	LBH
AGA	2.70E-06	-0.31155	0.007	0.155	0.040329	Undiff-G	AGA
C1GALT1C1	2.70E-06	-0.23359	0.007	0.155	0.040369	Undiff-G	C1GALT1C1
CEP164	2.71E-06	-0.33124	0.007	0.155	0.040526	Undiff-G	CEP164
ANKRD39	2.71E-06	-0.13887	0.015	0.169	0.040542	Undiff-G	ANKRD39
SLAIN2	2.72E-06	-0.33754	0	0.14	0.040704	Undiff-G	SLAIN2
SLC40A1	2.72E-06	-0.44378	0	0.14	0.040704	Undiff-G	SLC40A1
YIPF5	2.74E-06	0.465626	0.066	0.264	0.040961	Undiff-G	YIPF5
ZFAND2B	2.74E-06	-0.20842	0.037	0.208	0.040964	Undiff-G	ZFAND2B
PNPLA6	2.74E-06	-0.35578	0.015	0.168	0.040977	Undiff-G	PNPLA6
ZNF37A	2.75E-06	-0.34421	0	0.14	0.041033	Undiff-G	ZNF37A
SMYD3	2.77E-06	-0.41185	0	0.14	0.041365	Undiff-G	SMYD3
C1orf50	2.77E-06	-0.19341	0.022	0.182	0.041384	Undiff-G	C1orf50
CD01	2.77E-06	0.209277	0.051	0.237	0.04142	Undiff-G	CD01
ATAD3A	2.78E-06	-0.33013	0.007	0.153	0.041567	Undiff-G	ATAD3A
DCAKD	2.79E-06	-0.33109	0	0.14	0.041699	Undiff-G	DCAKD
ALOX5	2.79E-06	-0.5804	0	0.14	0.041699	Undiff-G	ALOX5
NDUFAF4	2.80E-06	0.309596	0.044	0.223	0.041866	Undiff-G	NDUFAF4
APTX	2.81E-06	-0.38608	0	0.14	0.042037	Undiff-G	APTX
SLC7A5	2.81E-06	-0.51463	0	0.14	0.042037	Undiff-G	SLC7A5
SETX	2.82E-06	-0.34324	0.015	0.168	0.042193	Undiff-G	SETX
STT3A	2.83E-06	-0.15561	0.015	0.168	0.042226	Undiff-G	STT3A
PLA2G15	2.84E-06	-0.45899	0	0.14	0.042377	Undiff-G	PLA2G15
IL10RA	2.84E-06	-0.57663	0	0.14	0.042377	Undiff-G	IL10RA
VRK3	2.85E-06	0.144024	0.044	0.22	0.04261	Undiff-G	VRK3
NNT-AS1	2.85E-06	0.273661	0.044	0.223	0.042627	Undiff-G	NNT-AS1
B3GALT6	2.86E-06	-0.32427	0	0.14	0.042719	Undiff-G	B3GALT6
AFTPH	2.88E-06	-0.18009	0.007	0.154	0.043104	Undiff-G	AFTPH
RALGDS	2.91E-06	-0.41622	0.007	0.154	0.043413	Undiff-G	RALGDS
HN1L	2.93E-06	-0.21623	0.007	0.154	0.043794	Undiff-G	HN1L
PTDSS2	2.94E-06	-0.31024	0.007	0.154	0.043986	Undiff-G	PTDSS2
WDR54	2.95E-06	0.287483	0.051	0.236	0.044013	Undiff-G	WDR54
RAB3A	2.95E-06	-0.32342	0.015	0.166	0.044089	Undiff-G	RAB3A
NOLC1	2.97E-06	-0.37705	0.007	0.153	0.044386	Undiff-G	NOLC1
RUSC1	2.98E-06	-0.34023	0	0.139	0.044473	Undiff-G	RUSC1
LIMK1	2.98E-06	-0.3842	0	0.139	0.044473	Undiff-G	LIMK1
TIMM23	2.99E-06	-0.30359	0.007	0.154	0.044685	Undiff-G	TIMM23
LRCH3	3.00E-06	-0.35847	0	0.139	0.044833	Undiff-G	LRCH3
UTP3	3.00E-06	-0.39062	0	0.139	0.044833	Undiff-G	UTP3
GPKOW	3.02E-06	-0.37706	0	0.139	0.045195	Undiff-G	GPKOW

DSE	3.02E-06	-0.51678	0	0.139	0.045195	Undiff-G	DSE
SLC29A1	3.05E-06	-0.5371	0	0.139	0.04556	Undiff-G	SLC29A1
SPATA13	3.05E-06	-0.2036	0.015	0.167	0.045627	Undiff-G	SPATA13
CALD1	3.07E-06	0.355902	0.154	0.423	0.045811	Undiff-G	CALD1
C6orf120	3.07E-06	-0.30689	0	0.139	0.045927	Undiff-G	C6orf120
CHD1L	3.07E-06	-0.38984	0	0.139	0.045927	Undiff-G	CHD1L
SKI	3.09E-06	-0.39588	0.007	0.153	0.046225	Undiff-G	SKI
ZNF43	3.10E-06	-0.3404	0	0.139	0.046298	Undiff-G	ZNF43
MARS	3.10E-06	0.103416	0.037	0.208	0.046387	Undiff-G	MARS
CLPTM1L	3.12E-06	-0.31692	0.007	0.153	0.046567	Undiff-G	CLPTM1L
ARAF	3.12E-06	-0.23209	0.022	0.179	0.04664	Undiff-G	ARAF
USP46	3.12E-06	-0.36979	0	0.139	0.046672	Undiff-G	USP46
GDAP1	3.13E-06	-0.15489	0.007	0.153	0.046719	Undiff-G	GDAP1
ERRFI1	3.13E-06	-0.34509	0.007	0.153	0.046752	Undiff-G	ERRFI1
SLC16A1	3.13E-06	0.223535	0.051	0.236	0.046803	Undiff-G	SLC16A1
FBX025	3.15E-06	-0.34493	0.007	0.153	0.047045	Undiff-G	FBX025
TEX30	3.16E-06	-0.27356	0.015	0.167	0.047263	Undiff-G	TEX30
RBM18	3.17E-06	0.259017	0.037	0.208	0.047364	Undiff-G	RBM18
C12orf45	3.17E-06	-0.19231	0.022	0.18	0.047382	Undiff-G	C12orf45
NUS1	3.18E-06	-0.10326	0.007	0.153	0.047476	Undiff-G	NUS1
KANSL1	3.19E-06	-0.17407	0.015	0.167	0.047642	Undiff-G	KANSL1
SLC18B1	3.22E-06	-0.1533	0.022	0.181	0.048169	Undiff-G	SLC18B1
MED27	3.23E-06	-0.35624	0.007	0.153	0.048295	Undiff-G	MED27
AAMDC	3.26E-06	0.109282	0.037	0.208	0.048699	Undiff-G	AAMDC
FKBP1A	3.27E-06	0.525452	0.294	0.704	0.048902	Undiff-G	FKBP1A
PILRA	3.28E-06	-0.45596	0.015	0.167	0.048949	Undiff-G	PILRA
CDK10	3.30E-06	-0.39481	0.015	0.165	0.04925	Undiff-G	CDK10
ROB01	3.30E-06	-0.27907	0.022	0.18	0.049258	Undiff-G	ROB01
IP6K1	3.31E-06	-0.12059	0.007	0.153	0.049409	Undiff-G	IP6K1
ZNF385A	3.33E-06	-0.45012	0	0.138	0.04977	Undiff-G	ZNF385A
NF2	3.33E-06	-0.21176	0.007	0.153	0.049797	Undiff-G	NF2
RANBP9	3.33E-06	-0.13733	0.007	0.153	0.049817	Undiff-G	RANBP9
NAMPT	3.35E-06	1.423389	0.456	0.437	0.050086	Undiff-G	NAMPT
PTAR1	3.36E-06	-0.32036	0	0.138	0.050171	Undiff-G	PTAR1
AAR2	3.36E-06	-0.34714	0	0.138	0.050171	Undiff-G	AAR2
KIAA2013	3.36E-06	-0.3333	0.007	0.152	0.050178	Undiff-G	KIAA2013
ALG8	3.38E-06	-0.12808	0.022	0.18	0.050492	Undiff-G	ALG8
GIMAP4	3.39E-06	-0.63956	0.007	0.151	0.050726	Undiff-G	GIMAP4
RFFL	3.40E-06	-0.27681	0.015	0.166	0.050825	Undiff-G	RFFL
RHBDD3	3.41E-06	-0.33878	0.007	0.151	0.050982	Undiff-G	RHBDD3
C1GALT1	3.41E-06	-0.37762	0.015	0.164	0.051017	Undiff-G	C1GALT1
FAM168B	3.41E-06	-0.35262	0.015	0.165	0.051019	Undiff-G	FAM168B
PAM	3.43E-06	-0.18159	0.015	0.166	0.051308	Undiff-G	PAM
GLRX2	3.44E-06	-0.21072	0.015	0.165	0.051335	Undiff-G	GLRX2
KRIT1	3.45E-06	-0.17825	0.044	0.219	0.051484	Undiff-G	KRIT1
OSBPL1A	3.45E-06	-0.10061	0.029	0.193	0.051496	Undiff-G	OSBPL1A
DCP2	3.50E-06	-0.14766	0.007	0.152	0.052261	Undiff-G	DCP2
C9orf72	3.52E-06	-0.32996	0.007	0.152	0.052608	Undiff-G	C9orf72
BEX2	3.52E-06	0.238229	0.066	0.259	0.052625	Undiff-G	BEX2
TBK1	3.57E-06	-0.3735	0.007	0.151	0.053365	Undiff-G	TBK1
DYNC2LI1	3.57E-06	-0.10429	0.015	0.166	0.053385	Undiff-G	DYNC2LI1

FPGS	3.59E-06	-0.34036	0.007	0.151	0.053587	Undiff-G	FPGS
PDGFRA	3.60E-06	-0.43085	0.007	0.15	0.053756	Undiff-G	PDGFRA
HEXIM1	3.60E-06	0.249056	0.044	0.22	0.053828	Undiff-G	HEXIM1
NT5DC2	3.61E-06	-0.19662	0.015	0.166	0.053963	Undiff-G	NT5DC2
BMPR2	3.63E-06	-0.19779	0.022	0.179	0.05424	Undiff-G	BMPR2
PSMA7	3.64E-06	0.470486	0.331	0.807	0.054335	Undiff-G	PSMA7
SESN3	3.64E-06	-0.26886	0.007	0.152	0.054342	Undiff-G	SESN3
NCOA6	3.67E-06	-0.29811	0	0.137	0.0548	Undiff-G	NCOA6
RBM38	3.70E-06	-0.32888	0	0.137	0.055241	Undiff-G	RBM38
PGS1	3.70E-06	-0.35822	0	0.137	0.055241	Undiff-G	PGS1
MTHFD1L	3.70E-06	-0.38427	0	0.137	0.055241	Undiff-G	MTHFD1L
RAMP2	3.70E-06	-0.38667	0	0.137	0.055241	Undiff-G	RAMP2
SNUPN	3.70E-06	-0.20067	0.015	0.164	0.055352	Undiff-G	SNUPN
IMPACT	3.74E-06	-0.13148	0.015	0.164	0.055833	Undiff-G	IMPACT
ALG2	3.75E-06	-0.13821	0.015	0.165	0.056041	Undiff-G	ALG2
MCM5	3.75E-06	-0.35186	0.007	0.151	0.056044	Undiff-G	MCM5
RNF19A	3.76E-06	0.104153	0.037	0.204	0.056195	Undiff-G	RNF19A
ASNS	3.76E-06	-0.2163	0.022	0.179	0.056259	Undiff-G	ASNS
BCL7A	3.77E-06	-0.35623	0.007	0.151	0.056381	Undiff-G	BCL7A
ZFP91	3.79E-06	-0.32789	0	0.137	0.056585	Undiff-G	ZFP91
POU2F2	3.79E-06	-0.50652	0	0.137	0.056585	Undiff-G	POU2F2
NISCH	3.80E-06	-0.29605	0.022	0.178	0.056735	Undiff-G	NISCH
GRK6	3.82E-06	-0.33549	0	0.137	0.05704	Undiff-G	GRK6
SRI	3.83E-06	0.446475	0.309	0.734	0.057251	Undiff-G	SRI
SH2B1	3.83E-06	-0.34396	0.007	0.151	0.057284	Undiff-G	SH2B1
FILIP1L	3.88E-06	-0.39887	0.007	0.151	0.058014	Undiff-G	FILIP1L
IGSF21	3.90E-06	-0.43197	0.015	0.165	0.058238	Undiff-G	IGSF21
DESI1	3.90E-06	-0.13566	0.022	0.177	0.058351	Undiff-G	DESI1
QRICH1	3.92E-06	-0.30286	0.007	0.151	0.058544	Undiff-G	QRICH1
ANKH	3.92E-06	-0.45025	0.007	0.15	0.058638	Undiff-G	ANKH
LPIN2	3.93E-06	-0.2871	0.007	0.151	0.058741	Undiff-G	LPIN2
CGRRF1	3.94E-06	-0.10859	0.015	0.165	0.058818	Undiff-G	CGRRF1
KCTD17	3.94E-06	-0.33624	0	0.136	0.058897	Undiff-G	KCTD17
PADI2	3.94E-06	-0.56328	0	0.136	0.058897	Undiff-G	PADI2
TNFAIP3	3.98E-06	-0.38492	0.015	0.165	0.059489	Undiff-G	TNFAIP3
KLHL23	3.99E-06	-0.235	0.015	0.163	0.059653	Undiff-G	KLHL23
VPS41	4.00E-06	-0.13654	0.037	0.203	0.059793	Undiff-G	VPS41
ARSA	4.00E-06	-0.44097	0	0.136	0.059847	Undiff-G	ARSA
ZNF664	4.01E-06	-0.18813	0.007	0.151	0.059877	Undiff-G	ZNF664
DYRK4	4.09E-06	0.180244	0.044	0.219	0.061092	Undiff-G	DYRK4
ARHGAP12	4.14E-06	-0.15424	0.029	0.191	0.061903	Undiff-G	ARHGAP12
DPYSL5	4.15E-06	-0.19155	0.015	0.164	0.062079	Undiff-G	DPYSL5
TNKS	4.16E-06	-0.3037	0.007	0.15	0.062229	Undiff-G	TNKS
NFATC2IP	4.17E-06	-0.26537	0.015	0.164	0.06237	Undiff-G	NFATC2IP
FTO	4.20E-06	-0.35072	0	0.136	0.06279	Undiff-G	FTO
RPUSD1	4.24E-06	-0.31607	0	0.136	0.063294	Undiff-G	RPUSD1
BTBD1	4.24E-06	-0.12199	0.007	0.15	0.06332	Undiff-G	BTBD1
TXNIP	4.24E-06	0.450976	0.169	0.449	0.06334	Undiff-G	TXNIP
NFKBIZ	4.25E-06	-0.20588	0.022	0.177	0.06352	Undiff-G	NFKBIZ
PQLC1	4.27E-06	-0.34022	0	0.136	0.063802	Undiff-G	PQLC1
NSUN2	4.27E-06	-0.34614	0	0.136	0.063802	Undiff-G	NSUN2



LEMD2	4. 28E-06	-0. 30592	0. 007	0. 15	0. 06402	Undiff-G	LEMD2
SYNE2	4. 33E-06	-0. 15255	0. 022	0. 176	0. 064715	Undiff-G	SYNE2
UXS1	4. 37E-06	0. 258769	0. 037	0. 205	0. 065316	Undiff-G	UXS1
SLC35E1	4. 40E-06	-0. 15342	0. 015	0. 164	0. 065761	Undiff-G	SLC35E1
NAAA	4. 41E-06	-0. 41202	0	0. 135	0. 065874	Undiff-G	NAAA
ALKBH3	4. 41E-06	-0. 39259	0. 007	0. 149	0. 065915	Undiff-G	ALKBH3
GIGYF2	4. 43E-06	-0. 16151	0. 022	0. 177	0. 066127	Undiff-G	GIGYF2
ATG4D	4. 43E-06	-0. 30309	0. 015	0. 162	0. 0662	Undiff-G	ATG4D
TSPAN17	4. 43E-06	-0. 29448	0. 007	0. 149	0. 06624	Undiff-G	TSPAN17
ODF2L	4. 43E-06	-0. 32141	0. 022	0. 177	0. 066262	Undiff-G	ODF2L
NUPL2	4. 44E-06	0. 336672	0. 074	0. 271	0. 066394	Undiff-G	NUPL2
SLC25A23	4. 44E-06	-0. 29204	0	0. 135	0. 066403	Undiff-G	SLC25A23
COL9A3	4. 45E-06	-0. 3289	0. 029	0. 188	0. 066487	Undiff-G	COL9A3
MRGBP	4. 46E-06	-0. 30763	0. 007	0. 148	0. 066659	Undiff-G	MRGBP
WARS	4. 48E-06	-0. 14408	0. 037	0. 203	0. 066882	Undiff-G	WARS
TMEM245	4. 48E-06	-0. 34137	0	0. 135	0. 066935	Undiff-G	TMEM245
GPR65	4. 51E-06	-0. 57468	0	0. 135	0. 067472	Undiff-G	GPR65
ABT1	4. 52E-06	0. 321976	0. 044	0. 218	0. 067592	Undiff-G	ABT1
APC2	4. 53E-06	-0. 32636	0. 007	0. 149	0. 067673	Undiff-G	APC2
PARVG	4. 57E-06	-0. 37821	0. 015	0. 163	0. 068257	Undiff-G	PARVG
IL1RAP	4. 58E-06	-0. 30166	0. 015	0. 161	0. 068427	Undiff-G	IL1RAP
NDUF AF1	4. 62E-06	-0. 12884	0. 022	0. 177	0. 069051	Undiff-G	NDUF AF1
NOL11	4. 62E-06	0. 148325	0. 029	0. 191	0. 069104	Undiff-G	NOL11
COX11	4. 63E-06	0. 509353	0. 103	0. 321	0. 069249	Undiff-G	COX11
LRRC4B	4. 66E-06	-0. 29845	0	0. 135	0. 069662	Undiff-G	LRRC4B
KLHL8	4. 66E-06	-0. 35493	0	0. 135	0. 069662	Undiff-G	KLHL8
FBL	4. 69E-06	0. 702477	0. 132	0. 38	0. 070065	Undiff-G	FBL
DICER1	4. 73E-06	-0. 13306	0. 022	0. 176	0. 070671	Undiff-G	DICER1
TOPORS-AS	4. 74E-06	-0. 1946	0. 007	0. 149	0. 070787	Undiff-G	TOPORS-AS1
HLA-F	4. 74E-06	-0. 53033	0. 007	0. 148	0. 070877	Undiff-G	HLA-F
MTUS1	4. 77E-06	-0. 27721	0. 007	0. 149	0. 071311	Undiff-G	MTUS1
ACTN1	4. 77E-06	0. 36037	0. 066	0. 257	0. 071328	Undiff-G	ACTN1
ARFGAP3	4. 79E-06	0. 393099	0. 051	0. 231	0. 071574	Undiff-G	ARFGAP3
CABIN1	4. 81E-06	-0. 34287	0	0. 134	0. 071921	Undiff-G	CABIN1
NCOA1	4. 82E-06	-0. 19523	0. 015	0. 163	0. 07202	Undiff-G	NCOA1
RCC2	4. 85E-06	-0. 21631	0. 022	0. 176	0. 072413	Undiff-G	RCC2
MIS18BP1	4. 88E-06	-0. 43506	0. 007	0. 148	0. 072865	Undiff-G	MIS18BP1
GFM1	4. 89E-06	-0. 16471	0. 029	0. 188	0. 07304	Undiff-G	GFM1
PPP3CC	4. 89E-06	-0. 36517	0	0. 134	0. 073077	Undiff-G	PPP3CC
COQ7	4. 89E-06	-0. 1496	0. 029	0. 189	0. 073138	Undiff-G	COQ7
PRKD3	4. 92E-06	-0. 34686	0. 007	0. 148	0. 073554	Undiff-G	PRKD3
RASSF1	4. 94E-06	-0. 33197	0. 015	0. 16	0. 073857	Undiff-G	RASSF1
BARD1	4. 94E-06	-0. 33084	0. 007	0. 148	0. 073883	Undiff-G	BARD1
SSFA2	4. 96E-06	-0. 15742	0. 029	0. 188	0. 074169	Undiff-G	SSFA2
AGTRAP	4. 97E-06	0. 529094	0. 081	0. 284	0. 074201	Undiff-G	AGTRAP
SLC48A1	4. 97E-06	-0. 42146	0	0. 134	0. 074252	Undiff-G	SLC48A1
HIST2H2BE	4. 97E-06	-0. 18611	0. 007	0. 148	0. 074252	Undiff-G	HIST2H2BE
CTNNAL1	4. 97E-06	-0. 21106	0. 007	0. 148	0. 074252	Undiff-G	CTNNAL1
TAC01	4. 98E-06	-0. 13196	0. 022	0. 176	0. 074413	Undiff-G	TAC01
NOTCH2	4. 98E-06	-0. 31316	0. 007	0. 148	0. 074464	Undiff-G	NOTCH2
PDIA6	5. 00E-06	0. 694222	0. 265	0. 652	0. 074724	Undiff-G	PDIA6

ZNF267	5.01E-06	-0.43002	0	0.134	0.074846	Undiff-G	ZNF267
SNAPC1	5.01E-06	0.163046	0.029	0.19	0.07489	Undiff-G	SNAPC1
HS2ST1	5.02E-06	0.102088	0.022	0.176	0.075006	Undiff-G	HS2ST1
PDCD5	5.03E-06	0.711314	0.221	0.543	0.075177	Undiff-G	PDCD5
RNF2	5.05E-06	-0.19134	0.007	0.148	0.075414	Undiff-G	RNF2
RHOT2	5.05E-06	0.116583	0.066	0.253	0.075528	Undiff-G	RHOT2
Clorf131	5.07E-06	-0.10668	0.037	0.202	0.075825	Undiff-G	Clorf131
DNAJB14	5.08E-06	0.137631	0.037	0.202	0.075965	Undiff-G	DNAJB14
FAIM	5.09E-06	-0.14275	0.007	0.148	0.076017	Undiff-G	FAIM
SSSCA1	5.09E-06	0.100236	0.029	0.189	0.0761	Undiff-G	SSSCA1
LDLRAD4	5.15E-06	-0.48366	0.007	0.147	0.076917	Undiff-G	LDLRAD4
KDM4B	5.17E-06	-0.33553	0	0.133	0.077271	Undiff-G	KDM4B
WRAP73	5.17E-06	-0.13933	0.007	0.148	0.077282	Undiff-G	WRAP73
CASP4	5.18E-06	0.230722	0.051	0.23	0.077337	Undiff-G	CASP4
ARHGAP35	5.19E-06	-0.25434	0.007	0.148	0.077608	Undiff-G	ARHGAP35
EHMT1	5.19E-06	-0.30721	0.007	0.148	0.077629	Undiff-G	EHMT1
NTHL1	5.25E-06	0.173928	0.029	0.189	0.07843	Undiff-G	NTHL1
MIR4458HG	5.25E-06	-0.21287	0.015	0.162	0.078497	Undiff-G	MIR4458HG
SQRDL	5.28E-06	-0.19722	0.015	0.162	0.078859	Undiff-G	SQRDL
MED16	5.28E-06	-0.19187	0.015	0.161	0.078948	Undiff-G	MED16
TRIM4	5.31E-06	-0.31442	0.007	0.148	0.079315	Undiff-G	TRIM4
NDRG4	5.34E-06	-0.11222	0.015	0.162	0.079859	Undiff-G	NDRG4
TMEM222	5.35E-06	0.499059	0.081	0.282	0.07998	Undiff-G	TMEM222
KLF2	5.38E-06	-0.55918	0	0.133	0.08041	Undiff-G	KLF2
MRS2	5.39E-06	-0.11002	0.015	0.162	0.080555	Undiff-G	MRS2
ARMCX1	5.40E-06	0.102098	0.044	0.215	0.080654	Undiff-G	ARMCX1
ARHGAP1	5.40E-06	-0.22385	0.015	0.161	0.080719	Undiff-G	ARHGAP1
MSL1	5.41E-06	-0.32326	0.015	0.16	0.080816	Undiff-G	MSL1
DYNC1LI1	5.44E-06	0.403163	0.074	0.269	0.081252	Undiff-G	DYNC1LI1
Clorf21	5.45E-06	0.273969	0.037	0.202	0.081479	Undiff-G	Clorf21
ABCG1	5.47E-06	-0.47059	0	0.133	0.0817	Undiff-G	ABCG1
CDK5RAP1	5.51E-06	-0.31485	0.015	0.16	0.082268	Undiff-G	CDK5RAP1
SC5D	5.51E-06	-0.15457	0.022	0.175	0.082315	Undiff-G	SC5D
FRA10AC1	5.52E-06	-0.28319	0.015	0.161	0.082507	Undiff-G	FRA10AC1
OSBPL9	5.53E-06	-0.12096	0.029	0.188	0.082676	Undiff-G	OSBPL9
VMO1	5.55E-06	-0.39402	0.015	0.161	0.083002	Undiff-G	VMO1
HLA-DQA2	5.59E-06	-0.62314	0.022	0.174	0.083481	Undiff-G	HLA-DQA2
DCPS	5.60E-06	-0.22781	0.022	0.173	0.083616	Undiff-G	DCPS
SRGAP3	5.62E-06	-0.34395	0.007	0.147	0.083946	Undiff-G	SRGAP3
PAXBP1	5.62E-06	-0.10008	0.015	0.161	0.084005	Undiff-G	PAXBP1
ZFP90	5.64E-06	-0.33482	0	0.133	0.084342	Undiff-G	ZFP90
RPS6KA1	5.64E-06	-0.49599	0	0.133	0.084342	Undiff-G	RPS6KA1
SPEN	5.68E-06	-0.27514	0.015	0.161	0.084942	Undiff-G	SPEN
BMS1	5.78E-06	-0.20704	0.007	0.147	0.086309	Undiff-G	BMS1
HSDL1	5.78E-06	-0.36934	0	0.132	0.086379	Undiff-G	HSDL1
WSCD1	5.83E-06	-0.33632	0	0.132	0.087068	Undiff-G	WSCD1
AIFM1	5.83E-06	-0.12681	0.007	0.147	0.087082	Undiff-G	AIFM1
TMX3	5.84E-06	-0.2896	0.015	0.159	0.087241	Undiff-G	TMX3
WBSCR16	5.87E-06	-0.14526	0.007	0.147	0.087759	Undiff-G	WBSCR16
RTKN	5.89E-06	-0.35529	0.022	0.173	0.088015	Undiff-G	RTKN
FAHD2A	5.90E-06	-0.12962	0.022	0.174	0.088145	Undiff-G	FAHD2A

OPA1	5.92E-06	-0.33168	0	0.132	0.088464	Undiff-G	OPA1
CCDC94	5.95E-06	-0.31419	0.015	0.16	0.088849	Undiff-G	CCDC94
FUBP1	5.95E-06	0.250547	0.051	0.226	0.088938	Undiff-G	FUBP1
CHRAC1	5.96E-06	-0.38433	0.007	0.146	0.089132	Undiff-G	CHRAC1
ANKRD36	5.98E-06	-0.22185	0.029	0.187	0.089373	Undiff-G	ANKRD36
XPC	5.99E-06	-0.22804	0.015	0.16	0.089554	Undiff-G	XPC
GOSR2	6.00E-06	0.130785	0.029	0.187	0.089668	Undiff-G	GOSR2
NSUN5	6.01E-06	0.174322	0.051	0.225	0.089839	Undiff-G	NSUN5
ZFYVE16	6.02E-06	-0.32053	0.022	0.173	0.089918	Undiff-G	ZFYVE16
FCGR2B	6.08E-06	-0.63826	0.007	0.146	0.090876	Undiff-G	FCGR2B
DUS3L	6.11E-06	-0.33619	0.007	0.145	0.091273	Undiff-G	DUS3L
KAT6A	6.12E-06	-0.22793	0.015	0.16	0.091531	Undiff-G	KAT6A
AGPAT3	6.16E-06	-0.33621	0	0.132	0.092049	Undiff-G	AGPAT3
PIM1	6.16E-06	-0.44869	0	0.132	0.092049	Undiff-G	PIM1
TNIK	6.16E-06	-0.30362	0.007	0.146	0.092087	Undiff-G	TNIK
CWF19L2	6.17E-06	-0.2692	0.022	0.173	0.092131	Undiff-G	CWF19L2
DDX19A	6.17E-06	-0.1138	0.015	0.16	0.092262	Undiff-G	DDX19A
CCDC43	6.18E-06	0.12261	0.037	0.201	0.09231	Undiff-G	CCDC43
KIF3B	6.21E-06	-0.28398	0	0.132	0.092783	Undiff-G	KIF3B
SNCA	6.25E-06	-0.5735	0.007	0.146	0.093342	Undiff-G	SNCA
CNIH2	6.26E-06	-0.30453	0	0.131	0.093522	Undiff-G	CNIH2
CNTFR	6.26E-06	-0.34282	0	0.131	0.093522	Undiff-G	CNTFR
LETM1	6.33E-06	-0.1932	0.029	0.187	0.094601	Undiff-G	LETM1
HMGCS1	6.33E-06	-0.2216	0.029	0.185	0.094608	Undiff-G	HMGCS1
RAB40B	6.36E-06	-0.3835	0	0.131	0.095019	Undiff-G	RAB40B
PHF1	6.39E-06	-0.32672	0.022	0.171	0.09545	Undiff-G	PHF1
TPD52	6.39E-06	0.304093	0.059	0.238	0.095548	Undiff-G	TPD52
SETD2	6.40E-06	-0.32273	0.007	0.145	0.095654	Undiff-G	SETD2
DSTN	6.44E-06	0.558181	0.257	0.622	0.09629	Undiff-G	DSTN
RNMTL1	6.46E-06	-0.32143	0	0.131	0.096539	Undiff-G	RNMTL1
CLN6	6.46E-06	-0.37019	0	0.131	0.096539	Undiff-G	CLN6
VASH1	6.46E-06	-0.43831	0	0.131	0.096539	Undiff-G	VASH1
KCNQ10T1	6.47E-06	0.344083	0.081	0.28	0.096639	Undiff-G	KCNQ10T1
CTNND2	6.47E-06	-0.28949	0.015	0.159	0.096664	Undiff-G	CTNND2
HDAC5	6.50E-06	-0.28625	0.022	0.171	0.097087	Undiff-G	HDAC5
CCDC58	6.51E-06	-0.10802	0.007	0.145	0.097269	Undiff-G	CCDC58
NAPG	6.52E-06	-0.17546	0.015	0.16	0.097398	Undiff-G	NAPG
SKIV2L2	6.56E-06	-0.22135	0.015	0.158	0.098053	Undiff-G	SKIV2L2
TMEM161A	6.59E-06	-0.14174	0.022	0.173	0.09849	Undiff-G	TMEM161A
PTEN	6.62E-06	-0.37139	0	0.131	0.098865	Undiff-G	PTEN
NEIL2	6.67E-06	0.309747	0.037	0.2	0.099622	Undiff-G	NEIL2
DLL3	6.67E-06	-0.39729	0.007	0.145	0.099648	Undiff-G	DLL3
GALE	6.67E-06	-0.3352	0.015	0.157	0.09975	Undiff-G	GALE
SMARCA1	6.68E-06	-0.16601	0.022	0.173	0.099851	Undiff-G	SMARCA1
GOLT1B	6.71E-06	0.352032	0.059	0.24	0.100328	Undiff-G	GOLT1B
ENDOD1	6.71E-06	-0.20878	0.007	0.145	0.100341	Undiff-G	ENDOD1
POP4	6.72E-06	0.513083	0.074	0.267	0.100356	Undiff-G	POP4
CD84	6.72E-06	-0.55079	0	0.131	0.100445	Undiff-G	CD84
PAK3	6.73E-06	-0.41816	0.007	0.145	0.100526	Undiff-G	PAK3
PARP9	6.76E-06	-0.132	0.022	0.172	0.101017	Undiff-G	PARP9
S100A11	6.80E-06	1.058217	0.551	0.658	0.101557	Undiff-G	S100A11

ZCCHC7	6. 87E-06	-0. 32524	0. 007	0. 145	0. 102663	Undiff-G	ZCCHC7
TBC1D17	6. 91E-06	-0. 34856	0. 015	0. 157	0. 103221	Undiff-G	TBC1D17
PHF6	6. 91E-06	-0. 3108	0. 022	0. 172	0. 103316	Undiff-G	PHF6
MED8	6. 91E-06	0. 330229	0. 051	0. 226	0. 103334	Undiff-G	MED8
HPS3	6. 92E-06	-0. 36543	0. 007	0. 144	0. 103436	Undiff-G	HPS3
B4GALNT1	6. 93E-06	-0. 38831	0. 007	0. 145	0. 10361	Undiff-G	B4GALNT1
NUMA1	6. 95E-06	-0. 16303	0. 022	0. 172	0. 103803	Undiff-G	NUMA1
RALB	6. 95E-06	-0. 25665	0. 015	0. 159	0. 103844	Undiff-G	RALB
TRIP6	6. 96E-06	0. 17454	0. 066	0. 251	0. 103993	Undiff-G	TRIP6
THSD7A	6. 96E-06	-0. 47423	0. 007	0. 144	0. 103997	Undiff-G	THSD7A
NUP62	6. 96E-06	0. 471106	0. 059	0. 239	0. 104082	Undiff-G	NUP62
LINC00094	6. 99E-06	-0. 29299	0	0. 13	0. 104507	Undiff-G	LINC00094
CSNK1G2	7. 10E-06	-0. 27864	0. 007	0. 144	0. 10611	Undiff-G	CSNK1G2
CHAMP1	7. 16E-06	-0. 29332	0	0. 13	0. 10702	Undiff-G	CHAMP1
TSTD1	7. 20E-06	0. 153979	0. 037	0. 199	0. 107557	Undiff-G	TSTD1
FBX044	7. 20E-06	-0. 36518	0. 007	0. 143	0. 1076	Undiff-G	FBX044
WDR12	7. 25E-06	-0. 26836	0. 007	0. 144	0. 10839	Undiff-G	WDR12
SSBP3	7. 28E-06	-0. 33714	0	0. 13	0. 108729	Undiff-G	SSBP3
ARHGEF40	7. 28E-06	-0. 37899	0	0. 13	0. 108729	Undiff-G	ARHGEF40
IREB2	7. 29E-06	-0. 11025	0. 015	0. 157	0. 108931	Undiff-G	IREB2
REEP4	7. 31E-06	-0. 36616	0. 022	0. 169	0. 109299	Undiff-G	REEP4
MED15	7. 32E-06	-0. 24698	0. 007	0. 144	0. 109443	Undiff-G	MED15
C3orf17	7. 32E-06	-0. 19027	0. 007	0. 144	0. 109465	Undiff-G	C3orf17
ZNF394	7. 33E-06	-0. 39292	0. 007	0. 144	0. 109475	Undiff-G	ZNF394
MAD2L1	7. 33E-06	-0. 43307	0	0. 13	0. 109594	Undiff-G	MAD2L1
GNPTAB	7. 35E-06	-0. 33886	0. 015	0. 158	0. 109794	Undiff-G	GNPTAB
C19orf12	7. 38E-06	-0. 17964	0. 007	0. 144	0. 11029	Undiff-G	C19orf12
LRRC40	7. 44E-06	-0. 25959	0. 007	0. 144	0. 111122	Undiff-G	LRRC40
ADCK3	7. 45E-06	-0. 35444	0	0. 13	0. 111343	Undiff-G	ADCK3
RRS1	7. 50E-06	-0. 21172	0. 007	0. 144	0. 112113	Undiff-G	RRS1
TULP4	7. 57E-06	-0. 21267	0. 007	0. 144	0. 113069	Undiff-G	TULP4
RRP1	7. 58E-06	0. 225174	0. 044	0. 212	0. 113229	Undiff-G	RRP1
SACS	7. 65E-06	-0. 28447	0. 015	0. 156	0. 114352	Undiff-G	SACS
CDC26	7. 66E-06	0. 470214	0. 074	0. 264	0. 114545	Undiff-G	CDC26
RCBTB2	7. 68E-06	-0. 37623	0. 007	0. 144	0. 114763	Undiff-G	RCBTB2
DNAL4	7. 69E-06	-0. 31806	0	0. 129	0. 114923	Undiff-G	DNAL4
NUP88	7. 69E-06	-0. 33015	0	0. 129	0. 114923	Undiff-G	NUP88
SEPN1	7. 78E-06	0. 225006	0. 044	0. 211	0. 116316	Undiff-G	SEPN1
RNF180	7. 86E-06	-0. 2396	0. 022	0. 169	0. 117453	Undiff-G	RNF180
ORAI3	7. 87E-06	-0. 36661	0. 007	0. 143	0. 117659	Undiff-G	ORAI3
C16orf72	7. 87E-06	-0. 33934	0	0. 129	0. 117683	Undiff-G	C16orf72
PSMD5-AS1	7. 88E-06	-0. 27836	0. 029	0. 184	0. 117723	Undiff-G	PSMD5-AS1
APH1B	7. 94E-06	-0. 42723	0	0. 129	0. 118617	Undiff-G	APH1B
IST1	7. 97E-06	0. 298717	0. 074	0. 262	0. 119167	Undiff-G	IST1
EXTL2	7. 98E-06	-0. 28553	0. 022	0. 169	0. 119253	Undiff-G	EXTL2
REPS1	8. 00E-06	-0. 29833	0	0. 129	0. 119559	Undiff-G	REPS1
SDC3	8. 04E-06	0. 184091	0. 037	0. 198	0. 120084	Undiff-G	SDC3
PRDX1	8. 06E-06	0. 442511	0. 346	0. 814	0. 120481	Undiff-G	PRDX1
TCF7	8. 10E-06	-0. 38128	0. 007	0. 141	0. 121028	Undiff-G	TCF7
NPTXR	8. 13E-06	-0. 29535	0	0. 129	0. 121464	Undiff-G	NPTXR
HCFC1	8. 15E-06	-0. 27868	0. 007	0. 143	0. 12176	Undiff-G	HCFC1

FAM129A	8.15E-06	-0.36966	0.007	0.141	0.121865	Undiff-G	FAM129A
TMEM55A	8.26E-06	0.306119	0.059	0.235	0.123371	Undiff-G	TMEM55A
UBE2T	8.26E-06	-0.42019	0	0.128	0.123399	Undiff-G	UBE2T
NFKBID	8.26E-06	-0.52877	0.007	0.142	0.123402	Undiff-G	NFKBID
SOX6	8.30E-06	-0.29499	0.007	0.143	0.124084	Undiff-G	SOX6
RP11-452F	8.32E-06	-0.46705	0	0.128	0.124378	Undiff-G	RP11-452F19.3
SMYD2	8.33E-06	-0.32248	0.007	0.142	0.124545	Undiff-G	SMYD2
SMIM3	8.35E-06	1.140906	0.103	0.035	0.124743	Undiff-G	SMIM3
PMM1	8.35E-06	0.401968	0.059	0.235	0.124845	Undiff-G	PMM1
RHN01	8.37E-06	0.124197	0.037	0.197	0.125083	Undiff-G	RHN01
DCUN1D1	8.39E-06	-0.24074	0.015	0.157	0.125346	Undiff-G	DCUN1D1
EPDR1	8.46E-06	-0.30146	0	0.128	0.126358	Undiff-G	EPDR1
MFNG	8.46E-06	-0.51314	0	0.128	0.126358	Undiff-G	MFNG
CCDC22	8.52E-06	-0.34844	0	0.128	0.12736	Undiff-G	CCDC22
DVL3	8.53E-06	-0.28529	0.015	0.155	0.127493	Undiff-G	DVL3
WHSC1	8.58E-06	-0.30318	0.015	0.155	0.128227	Undiff-G	WHSC1
SPIN1	8.61E-06	-0.11982	0.022	0.168	0.128702	Undiff-G	SPIN1
MICAL1	8.65E-06	-0.23195	0.007	0.142	0.129276	Undiff-G	MICAL1
EIF4EBP2	8.65E-06	-0.23501	0.007	0.142	0.129302	Undiff-G	EIF4EBP2
C16orf91	8.69E-06	0.282106	0.037	0.197	0.129816	Undiff-G	C16orf91
FOPNL	8.69E-06	0.191551	0.037	0.195	0.129906	Undiff-G	FOPNL
MYH10	8.69E-06	-0.21899	0.015	0.155	0.129918	Undiff-G	MYH10
STK19	8.73E-06	-0.31447	0	0.128	0.130413	Undiff-G	STK19
CERS6	8.73E-06	-0.32562	0	0.128	0.130413	Undiff-G	CERS6
TMEM173	8.73E-06	-0.5528	0	0.128	0.130413	Undiff-G	TMEM173
LINC00936	8.80E-06	-0.39293	0.007	0.142	0.131439	Undiff-G	LINC00936
PDP1	8.80E-06	-0.34567	0	0.128	0.131446	Undiff-G	PDP1
PPP2R5B	8.83E-06	-0.27139	0.022	0.168	0.131988	Undiff-G	PPP2R5B
SHPRH	8.87E-06	-0.33013	0	0.128	0.132488	Undiff-G	SHPRH
CENPH	8.87E-06	-0.34232	0	0.128	0.132488	Undiff-G	CENPH
DPH7	8.90E-06	-0.27426	0.022	0.169	0.133004	Undiff-G	DPH7
HMOX1	8.95E-06	0.129851	0.096	0.297	0.133783	Undiff-G	HMOX1
SRR	8.99E-06	-0.29427	0.015	0.155	0.134382	Undiff-G	SRR
DPF1	8.99E-06	-0.21858	0.007	0.142	0.134392	Undiff-G	DPF1
DOCK10	9.08E-06	-0.39901	0	0.127	0.135661	Undiff-G	DOCK10
SHD	9.08E-06	-0.45222	0	0.127	0.135661	Undiff-G	SHD
TATDN3	9.15E-06	-0.19065	0.015	0.155	0.136756	Undiff-G	TATDN3
NAB1	9.22E-06	-0.31487	0	0.127	0.137818	Undiff-G	NAB1
NCOA3	9.22E-06	-0.32903	0	0.127	0.137818	Undiff-G	NCOA3
RNF115	9.34E-06	0.182531	0.066	0.245	0.139642	Undiff-G	RNF115
MLLT10	9.37E-06	-0.33899	0	0.127	0.140009	Undiff-G	MLLT10
CDK19	9.37E-06	-0.36362	0	0.127	0.140009	Undiff-G	CDK19
TUBB	9.37E-06	0.461019	0.331	0.776	0.140013	Undiff-G	TUBB
IFI35	9.39E-06	0.216652	0.059	0.233	0.140376	Undiff-G	IFI35
SLC25A46	9.49E-06	-0.31247	0.015	0.155	0.141763	Undiff-G	SLC25A46
NELFA	9.51E-06	-0.21307	0.007	0.141	0.142088	Undiff-G	NELFA
TPPP3	9.52E-06	-0.3053	0.015	0.155	0.142315	Undiff-G	TPPP3
SLC25A25	9.57E-06	-0.19254	0.022	0.167	0.143022	Undiff-G	SLC25A25
GPATCH11	9.64E-06	-0.34061	0.007	0.14	0.143994	Undiff-G	GPATCH11
SLC2A8	9.67E-06	-0.32537	0.007	0.141	0.144556	Undiff-G	SLC2A8
NDEL1	9.73E-06	-0.15251	0.015	0.155	0.145376	Undiff-G	NDEL1

ATXN7L3B	9.74E-06	0.177683	0.029	0.183	0.145495	Undiff-G	ATXN7L3B
IFI16	9.78E-06	0.538435	0.147	0.396	0.146086	Undiff-G	IFI16
NADK	9.81E-06	-0.14854	0.022	0.169	0.146564	Undiff-G	NADK
ELOVL1	9.86E-06	0.22512	0.059	0.233	0.14733	Undiff-G	ELOVL1
TMEM158	9.88E-06	-0.22209	0.007	0.141	0.147672	Undiff-G	TMEM158
ASIC4	9.89E-06	-0.41141	0.007	0.141	0.147759	Undiff-G	ASIC4
SEZ6	9.93E-06	-0.38041	0.007	0.14	0.148367	Undiff-G	SEZ6
NMRK1	9.94E-06	-0.33635	0.007	0.141	0.148576	Undiff-G	NMRK1
SIPA1	9.97E-06	-0.28866	0.007	0.141	0.149012	Undiff-G	SIPA1
ORAI1	9.98E-06	-0.28954	0	0.126	0.149118	Undiff-G	ORAI1
SHOC2	1.00E-05	-0.33775	0.015	0.153	0.149385	Undiff-G	SHOC2
CLASP1	1.00E-05	-0.33025	0.007	0.139	0.149675	Undiff-G	CLASP1
PHKB	1.00E-05	-0.26166	0.037	0.194	0.149818	Undiff-G	PHKB
NSMCE4A	1.00E-05	-0.14456	0.015	0.154	0.14992	Undiff-G	NSMCE4A
NKAIN3	1.01E-05	-0.32162	0	0.126	0.151485	Undiff-G	NKAIN3
GALM	1.01E-05	-0.43313	0	0.126	0.151485	Undiff-G	GALM
FAM98C	1.01E-05	-0.3528	0.007	0.139	0.151627	Undiff-G	FAM98C
BHLHE40	1.01E-05	0.236514	0.037	0.195	0.151634	Undiff-G	BHLHE40
UBE4A	1.02E-05	-0.24075	0.015	0.154	0.151734	Undiff-G	UBE4A
MARK2	1.02E-05	-0.31614	0	0.126	0.152682	Undiff-G	MARK2
PAN3	1.02E-05	-0.3671	0	0.126	0.152682	Undiff-G	PAN3
MEG3	1.03E-05	-0.11703	0.103	0.307	0.153717	Undiff-G	MEG3
CCND3	1.03E-05	0.504508	0.074	0.262	0.15388	Undiff-G	CCND3
PNMA2	1.03E-05	-0.25114	0.007	0.14	0.154651	Undiff-G	PNMA2
RABGAP1	1.04E-05	-0.32963	0	0.126	0.155105	Undiff-G	RABGAP1
LANCL2	1.04E-05	-0.29841	0.015	0.154	0.156071	Undiff-G	LANCL2
ZMIZ1	1.05E-05	-0.15358	0.007	0.14	0.156206	Undiff-G	ZMIZ1
TMEM19	1.05E-05	-0.21894	0.015	0.154	0.15658	Undiff-G	TMEM19
GNL2	1.05E-05	0.271037	0.044	0.208	0.156859	Undiff-G	GNL2
IRF1	1.05E-05	0.12993	0.044	0.208	0.156963	Undiff-G	IRF1
ZNF576	1.05E-05	-0.35626	0.007	0.139	0.157418	Undiff-G	ZNF576
THAP5	1.06E-05	-0.12776	0.029	0.181	0.158206	Undiff-G	THAP5
PRPF18	1.06E-05	-0.3562	0.007	0.139	0.158377	Undiff-G	PRPF18
FKBP15	1.06E-05	-0.37281	0.007	0.14	0.158613	Undiff-G	FKBP15
ABHD13	1.06E-05	-0.28877	0.007	0.14	0.159088	Undiff-G	ABHD13
AL592183.	1.07E-05	-0.34617	0.022	0.167	0.159672	Undiff-G	AL592183.1
ANXA2R	1.07E-05	-0.25037	0.015	0.154	0.160114	Undiff-G	ANXA2R
KCTD13	1.08E-05	-0.29787	0.007	0.14	0.160913	Undiff-G	KCTD13
FMNL1	1.08E-05	-0.49655	0	0.125	0.161327	Undiff-G	FMNL1
CDK12	1.08E-05	-0.19118	0.022	0.167	0.161618	Undiff-G	CDK12
BTBD3	1.08E-05	-0.30087	0.007	0.139	0.162087	Undiff-G	BTBD3
GK	1.09E-05	-0.16974	0.007	0.14	0.162461	Undiff-G	GK
MT1G	1.09E-05	1.459658	0.228	0.127	0.162568	Undiff-G	MT1G
C15orf57	1.09E-05	-0.38397	0	0.125	0.162601	Undiff-G	C15orf57
NABP1	1.09E-05	-0.50767	0	0.125	0.162601	Undiff-G	NABP1
IPO9	1.09E-05	0.172682	0.059	0.233	0.163074	Undiff-G	IPO9
LIMCH1	1.09E-05	-0.15375	0.015	0.154	0.163455	Undiff-G	LIMCH1
PWP2	1.10E-05	-0.3655	0	0.125	0.163884	Undiff-G	PWP2
AASDH	1.10E-05	-0.27821	0.022	0.165	0.164086	Undiff-G	AASDH
ERF	1.10E-05	-0.24657	0.029	0.179	0.164251	Undiff-G	ERF
FAR1	1.10E-05	-0.36688	0.007	0.139	0.164939	Undiff-G	FAR1

PTGER4	1. 11E-05	-0. 52779	0	0. 125	0. 165178	Undiff-G	PTGER4
STK40	1. 11E-05	-0. 30061	0	0. 125	0. 166481	Undiff-G	STK40
MESDC1	1. 11E-05	-0. 33004	0	0. 125	0. 166481	Undiff-G	MESDC1
SENP5	1. 12E-05	-0. 27511	0. 007	0. 139	0. 167974	Undiff-G	SENP5
LRCH4	1. 14E-05	-0. 19367	0. 037	0. 19	0. 17103	Undiff-G	LRCH4
CCZ1B	1. 15E-05	-0. 27823	0. 015	0. 153	0. 171451	Undiff-G	CCZ1B
LYST	1. 15E-05	-0. 12995	0. 015	0. 152	0. 171566	Undiff-G	LYST
NCF1	1. 15E-05	-0. 49853	0	0. 125	0. 171797	Undiff-G	NCF1
MGMT	1. 16E-05	-0. 14766	0. 015	0. 153	0. 172861	Undiff-G	MGMT
STRN4	1. 16E-05	-0. 29853	0	0. 125	0. 173152	Undiff-G	STRN4
ZNF704	1. 16E-05	-0. 33246	0	0. 125	0. 173152	Undiff-G	ZNF704
MT3	1. 16E-05	1. 232347	0. 485	0. 49	0. 1739	Undiff-G	MT3
MED25	1. 17E-05	-0. 31299	0	0. 125	0. 174517	Undiff-G	MED25
PPP6R2	1. 17E-05	-0. 31336	0. 015	0. 151	0. 175338	Undiff-G	PPP6R2
PITPNC1	1. 18E-05	-0. 28664	0	0. 125	0. 175893	Undiff-G	PITPNC1
AOAH	1. 19E-05	-0. 55993	0	0. 124	0. 17728	Undiff-G	AOAH
AKAP11	1. 19E-05	-0. 25757	0. 015	0. 151	0. 17757	Undiff-G	AKAP11
ALG14	1. 19E-05	-0. 15242	0. 015	0. 153	0. 177668	Undiff-G	ALG14
GLCCI1	1. 19E-05	-0. 3382	0. 015	0. 153	0. 178421	Undiff-G	GLCCI1
PRKAG2	1. 19E-05	-0. 22947	0. 007	0. 139	0. 178492	Undiff-G	PRKAG2
NCLN	1. 20E-05	-0. 1448	0. 022	0. 166	0. 178901	Undiff-G	NCLN
CADM1	1. 20E-05	0. 609517	0. 11	0. 327	0. 179864	Undiff-G	CADM1
EVA1B	1. 21E-05	-0. 25668	0	0. 124	0. 180085	Undiff-G	EVA1B
METTL13	1. 21E-05	-0. 31281	0	0. 124	0. 180085	Undiff-G	METTL13
CLEC2B	1. 21E-05	0. 10262	0. 044	0. 207	0. 180273	Undiff-G	CLEC2B
ATM	1. 21E-05	-0. 20053	0. 037	0. 191	0. 180781	Undiff-G	ATM
MBD3	1. 21E-05	-0. 2645	0. 022	0. 165	0. 181066	Undiff-G	MBD3
NSF	1. 21E-05	-0. 16228	0. 007	0. 139	0. 181276	Undiff-G	NSF
CARD16	1. 21E-05	0. 179899	0. 059	0. 231	0. 181328	Undiff-G	CARD16
NRIP1	1. 21E-05	-0. 29488	0	0. 124	0. 181504	Undiff-G	NRIP1
ITGA7	1. 22E-05	-0. 27859	0. 007	0. 138	0. 181683	Undiff-G	ITGA7
SMAD1	1. 22E-05	-0. 15863	0. 029	0. 179	0. 18214	Undiff-G	SMAD1
RPS6KA3	1. 22E-05	-0. 23694	0. 007	0. 139	0. 182594	Undiff-G	RPS6KA3
LINC00685	1. 22E-05	-0. 29814	0. 015	0. 151	0. 182813	Undiff-G	LINC00685
GUCD1	1. 22E-05	-0. 31476	0	0. 124	0. 182934	Undiff-G	GUCD1
TBC1D1	1. 22E-05	-0. 34374	0	0. 124	0. 182934	Undiff-G	TBC1D1
AC004540.	1. 22E-05	-0. 43918	0	0. 124	0. 182934	Undiff-G	AC004540. 4
SUMF1	1. 23E-05	-0. 28346	0. 007	0. 138	0. 18317	Undiff-G	SUMF1
RMND5B	1. 23E-05	-0. 25705	0. 022	0. 166	0. 183824	Undiff-G	RMND5B
AC093673.	1. 23E-05	0. 239964	0. 029	0. 18	0. 183882	Undiff-G	AC093673. 5
CTTNBP2	1. 23E-05	-0. 39445	0. 007	0. 138	0. 184302	Undiff-G	CTTNBP2
MOB3A	1. 24E-05	-0. 22718	0. 022	0. 164	0. 184602	Undiff-G	MOB3A
PDK2	1. 24E-05	-0. 10129	0. 022	0. 166	0. 185526	Undiff-G	PDK2
ZNF544	1. 24E-05	-0. 33266	0	0. 124	0. 185827	Undiff-G	ZNF544
CNOT10	1. 24E-05	-0. 3561	0	0. 124	0. 185827	Undiff-G	CNOT10
DSCR3	1. 25E-05	0. 204738	0. 022	0. 166	0. 187174	Undiff-G	DSCR3
ASMTL	1. 25E-05	0. 2192	0. 022	0. 166	0. 187242	Undiff-G	ASMTL
OST4	1. 25E-05	0. 501482	0. 331	0. 785	0. 187412	Undiff-G	OST4
ENHO	1. 26E-05	-0. 26791	0. 015	0. 152	0. 188068	Undiff-G	ENHO
UROD	1. 26E-05	0. 566122	0. 132	0. 362	0. 188609	Undiff-G	UROD
OLFM1	1. 27E-05	-0. 21149	0. 015	0. 152	0. 189406	Undiff-G	OLFM1

FADS2	1. 27E-05	-0. 29736	0. 007	0. 138	0. 189931	Undiff-G	FADS2
MACROD1	1. 27E-05	-0. 28502	0	0. 124	0. 190251	Undiff-G	MACROD1
AGPS	1. 27E-05	-0. 31949	0	0. 124	0. 190251	Undiff-G	AGPS
ZNF639	1. 28E-05	-0. 28328	0. 007	0. 138	0. 191651	Undiff-G	ZNF639
FAM107B	1. 28E-05	-0. 44201	0	0. 124	0. 191749	Undiff-G	FAM107B
UCHL5	1. 28E-05	-0. 12643	0. 015	0. 15	0. 191872	Undiff-G	UCHL5
DVL2	1. 29E-05	-0. 25098	0. 029	0. 178	0. 192402	Undiff-G	DVL2
ZFAND2A	1. 30E-05	0. 481448	0. 088	0. 285	0. 194308	Undiff-G	ZFAND2A
MIB2	1. 30E-05	-0. 10076	0. 015	0. 151	0. 194661	Undiff-G	MIB2
NAT9	1. 30E-05	-0. 11535	0. 044	0. 205	0. 194692	Undiff-G	NAT9
FADD	1. 30E-05	-0. 27302	0. 007	0. 138	0. 195015	Undiff-G	FADD
ZC3H7A	1. 31E-05	-0. 31246	0. 015	0. 151	0. 195142	Undiff-G	ZC3H7A
GAR1	1. 31E-05	0. 191312	0. 037	0. 192	0. 195221	Undiff-G	GAR1
ANKRD36C	1. 31E-05	-0. 33874	0. 022	0. 164	0. 195342	Undiff-G	ANKRD36C
CHST2	1. 31E-05	-0. 28131	0. 007	0. 137	0. 195976	Undiff-G	CHST2
FEN1	1. 31E-05	-0. 11251	0. 007	0. 138	0. 196036	Undiff-G	FEN1
RP11-71N1	1. 31E-05	-0. 33389	0. 007	0. 137	0. 196205	Undiff-G	RP11-71N10. 1
CNOT11	1. 31E-05	-0. 29243	0	0. 123	0. 196312	Undiff-G	CNOT11
MIOS	1. 31E-05	-0. 34385	0	0. 123	0. 196312	Undiff-G	MIOS
DCTN5	1. 31E-05	-0. 34688	0	0. 123	0. 196312	Undiff-G	DCTN5
TOMM34	1. 32E-05	-0. 25859	0. 007	0. 138	0. 196615	Undiff-G	TOMM34
NCSTN	1. 32E-05	0. 304041	0. 074	0. 256	0. 197138	Undiff-G	NCSTN
ZYG11B	1. 33E-05	-0. 19301	0. 015	0. 15	0. 198872	Undiff-G	ZYG11B
ELP2	1. 33E-05	0. 148017	0. 044	0. 205	0. 199168	Undiff-G	ELP2
SMAD4	1. 33E-05	-0. 27795	0	0. 123	0. 199413	Undiff-G	SMAD4
C16orf62	1. 35E-05	-0. 2252	0. 015	0. 15	0. 201069	Undiff-G	C16orf62
ARRDC1	1. 35E-05	-0. 38626	0. 007	0. 136	0. 201075	Undiff-G	ARRDC1
CRKL	1. 36E-05	-0. 3068	0	0. 123	0. 202562	Undiff-G	CRKL
RPS6KA4	1. 36E-05	-0. 34465	0	0. 123	0. 202562	Undiff-G	RPS6KA4
RIOK2	1. 36E-05	-0. 36204	0	0. 123	0. 202562	Undiff-G	RIOK2
LLPH	1. 36E-05	0. 485116	0. 081	0. 27	0. 202649	Undiff-G	LLPH
CCNG1	1. 36E-05	0. 440231	0. 081	0. 272	0. 203691	Undiff-G	CCNG1
EHD1	1. 37E-05	-0. 31945	0	0. 123	0. 204154	Undiff-G	EHD1
KIAA0141	1. 37E-05	-0. 3635	0	0. 123	0. 204154	Undiff-G	KIAA0141
ING1	1. 37E-05	-0. 13704	0. 007	0. 137	0. 205412	Undiff-G	ING1
TAZ	1. 38E-05	-0. 36489	0. 007	0. 136	0. 205484	Undiff-G	TAZ
KANSL2	1. 38E-05	-0. 17183	0. 015	0. 151	0. 206417	Undiff-G	KANSL2
SNAPC3	1. 38E-05	-0. 2152	0. 007	0. 137	0. 206863	Undiff-G	SNAPC3
BTN3A2	1. 39E-05	-0. 44348	0. 015	0. 148	0. 208251	Undiff-G	BTN3A2
SLC30A7	1. 40E-05	-0. 13674	0. 022	0. 163	0. 209773	Undiff-G	SLC30A7
EXOSC9	1. 40E-05	-0. 11342	0. 015	0. 151	0. 209845	Undiff-G	EXOSC9
UTP23	1. 40E-05	-0. 19276	0. 015	0. 151	0. 209909	Undiff-G	UTP23
LRRCC1	1. 40E-05	-0. 22563	0. 007	0. 137	0. 209916	Undiff-G	LRRCC1
SEZ6L	1. 41E-05	-0. 37282	0. 007	0. 137	0. 210137	Undiff-G	SEZ6L
KLC2	1. 41E-05	-0. 28509	0	0. 123	0. 210649	Undiff-G	KLC2
WDYHV1	1. 41E-05	-0. 3517	0	0. 123	0. 210649	Undiff-G	WDYHV1
ZCCHC6	1. 42E-05	-0. 36434	0. 007	0. 137	0. 211983	Undiff-G	ZCCHC6
PUSL1	1. 42E-05	-0. 28323	0	0. 122	0. 212305	Undiff-G	PUSL1
TRIM22	1. 42E-05	-0. 44435	0. 007	0. 136	0. 212906	Undiff-G	TRIM22
NUP160	1. 44E-05	-0. 30264	0. 022	0. 164	0. 214685	Undiff-G	NUP160
FBX018	1. 44E-05	-0. 29491	0. 007	0. 136	0. 215415	Undiff-G	FBX018



DOCK8	1.44E-05	-0.50724	0	0.122	0.215654	Undiff-G	DOCK8
PACS2	1.45E-05	-0.36096	0.007	0.136	0.216382	Undiff-G	PACS2
MUS81	1.45E-05	-0.26736	0.029	0.176	0.216461	Undiff-G	MUS81
NAV1	1.45E-05	-0.21986	0.022	0.164	0.216925	Undiff-G	NAV1
SCYL2	1.45E-05	-0.26923	0.007	0.137	0.21722	Undiff-G	SCYL2
ARMCX6	1.47E-05	0.423975	0.066	0.244	0.220265	Undiff-G	ARMCX6
ATP6V1G2	1.48E-05	-0.1308	0.015	0.151	0.220444	Undiff-G	ATP6V1G2
NSG1	1.48E-05	-0.16313	0.029	0.177	0.220588	Undiff-G	NSG1
RASGEF1B	1.48E-05	-0.51807	0	0.122	0.220774	Undiff-G	RASGEF1B
GATAD1	1.48E-05	-0.14258	0.044	0.203	0.221204	Undiff-G	GATAD1
TBC1D9B	1.49E-05	-0.32448	0.022	0.162	0.222064	Undiff-G	TBC1D9B
HERC2	1.50E-05	-0.21647	0.037	0.19	0.224084	Undiff-G	HERC2
GCFC2	1.50E-05	-0.31618	0	0.122	0.224255	Undiff-G	GCFC2
TIMM10B	1.50E-05	0.149349	0.029	0.177	0.224551	Undiff-G	TIMM10B
PARN	1.51E-05	-0.3394	0	0.122	0.226015	Undiff-G	PARN
FAHD1	1.52E-05	0.200053	0.029	0.177	0.226902	Undiff-G	FAHD1
C3	1.52E-05	0.272902	0.154	0.404	0.227095	Undiff-G	C3
FTSJ3	1.52E-05	-0.11395	0.015	0.15	0.227186	Undiff-G	FTSJ3
TSPAN12	1.52E-05	-0.32889	0	0.122	0.227789	Undiff-G	TSPAN12
B4GALT1	1.52E-05	-0.48928	0	0.122	0.227789	Undiff-G	B4GALT1
PDCD4	1.53E-05	-0.21722	0.015	0.15	0.227967	Undiff-G	PDCD4
WDR26	1.53E-05	-0.29461	0.022	0.162	0.228133	Undiff-G	WDR26
GPM6B	1.53E-05	1.01384	0.537	0.62	0.228863	Undiff-G	GPM6B
ATP5S	1.54E-05	0.108555	0.029	0.177	0.230033	Undiff-G	ATP5S
RNF168	1.54E-05	-0.11877	0.015	0.15	0.230369	Undiff-G	RNF168
RP11-294J	1.54E-05	-0.32196	0.007	0.136	0.230809	Undiff-G	RP11-294J22.6
DMTF1	1.55E-05	-0.28678	0.015	0.15	0.231081	Undiff-G	DMTF1
TTC9B	1.55E-05	-0.46611	0	0.122	0.231377	Undiff-G	TTC9B
IKBKG	1.56E-05	-0.30668	0.007	0.135	0.232463	Undiff-G	IKBKG
ZNF322	1.56E-05	-0.29048	0.007	0.135	0.232472	Undiff-G	ZNF322
C11orf96	1.56E-05	-0.38159	0.007	0.136	0.232799	Undiff-G	C11orf96
DPP6	1.56E-05	-0.24631	0.022	0.163	0.233161	Undiff-G	DPP6
RAB30-AS1	1.56E-05	-0.17215	0.015	0.15	0.233224	Undiff-G	RAB30-AS1
GEMIN6	1.56E-05	0.110427	0.022	0.164	0.233397	Undiff-G	GEMIN6
FGD4	1.57E-05	-0.45834	0.015	0.148	0.235046	Undiff-G	FGD4
RSAD1	1.57E-05	-0.2314	0.015	0.15	0.235304	Undiff-G	RSAD1
SMARCA2	1.58E-05	-0.18811	0.007	0.136	0.236263	Undiff-G	SMARCA2
SNRPN	1.58E-05	1.472872	0.191	0.097	0.236657	Undiff-G	SNRPN
ZBTB44	1.59E-05	-0.32036	0	0.121	0.236865	Undiff-G	ZBTB44
TOM1L2	1.59E-05	-0.32353	0	0.121	0.236865	Undiff-G	TOM1L2
CD33	1.59E-05	-0.5506	0	0.121	0.236865	Undiff-G	CD33
LENG1	1.59E-05	0.307017	0.044	0.203	0.237378	Undiff-G	LENG1
NUP107	1.59E-05	-0.19153	0.059	0.225	0.237625	Undiff-G	NUP107
MICU1	1.59E-05	-0.34786	0.007	0.135	0.238215	Undiff-G	MICU1
NFKBIE	1.60E-05	-0.32269	0.007	0.135	0.238401	Undiff-G	NFKBIE
ARHGEF9	1.60E-05	-0.34142	0	0.121	0.238722	Undiff-G	ARHGEF9
RP11-552D	1.60E-05	-0.6415	0	0.121	0.238722	Undiff-G	RP11-552D4.1
CBR4	1.60E-05	0.144809	0.037	0.19	0.239508	Undiff-G	CBR4
LINC01116	1.60E-05	-0.34192	0.007	0.134	0.239528	Undiff-G	LINC01116
CCAR2	1.61E-05	-0.19935	0.015	0.148	0.240811	Undiff-G	CCAR2
ZNF444	1.61E-05	-0.18028	0.022	0.162	0.240967	Undiff-G	ZNF444

RNF220	1. 61E-05	-0. 2108	0. 015	0. 149	0. 24115	Undiff-G	RNF220
REX02	1. 62E-05	0. 45809	0. 11	0. 321	0. 242198	Undiff-G	REX02
LHFPL3	1. 64E-05	-0. 35893	0	0. 121	0. 244381	Undiff-G	LHFPL3
HLTF	1. 64E-05	0. 164207	0. 029	0. 175	0. 244869	Undiff-G	HLTF
CALCOCO1	1. 64E-05	-0. 22127	0. 015	0. 149	0. 24574	Undiff-G	CALCOCO1
THOC1	1. 65E-05	-0. 18628	0. 015	0. 148	0. 246314	Undiff-G	THOC1
PACSIN2	1. 66E-05	-0. 10471	0. 029	0. 176	0. 248423	Undiff-G	PACSIN2
RASD1	1. 66E-05	-0. 46798	0. 007	0. 135	0. 248591	Undiff-G	RASD1
RHOQ	1. 66E-05	0. 119793	0. 022	0. 163	0. 24877	Undiff-G	RHOQ
PQLC2	1. 67E-05	-0. 28567	0	0. 121	0. 250171	Undiff-G	PQLC2
MED13L	1. 67E-05	-0. 34747	0	0. 121	0. 250171	Undiff-G	MED13L
CDKN2AIP	1. 68E-05	-0. 16832	0. 015	0. 149	0. 251067	Undiff-G	CDKN2AIP
KAT2A	1. 68E-05	-0. 28827	0. 022	0. 162	0. 251125	Undiff-G	KAT2A
ZNF771	1. 69E-05	-0. 25791	0. 015	0. 148	0. 251906	Undiff-G	ZNF771
WDR5	1. 69E-05	-0. 29821	0	0. 121	0. 252131	Undiff-G	WDR5
IL17RA	1. 69E-05	-0. 39651	0	0. 121	0. 252131	Undiff-G	IL17RA
WWTR1	1. 70E-05	-0. 15197	0. 022	0. 162	0. 253693	Undiff-G	WWTR1
GPR108	1. 70E-05	0. 275571	0. 081	0. 268	0. 253737	Undiff-G	GPR108
RP11-390F	1. 70E-05	-0. 31137	0. 007	0. 134	0. 254419	Undiff-G	RP11-390P2. 4
MTG2	1. 70E-05	-0. 20921	0. 015	0. 149	0. 254675	Undiff-G	MTG2
NFATC3	1. 71E-05	-0. 25578	0. 015	0. 147	0. 255566	Undiff-G	NFATC3
RMDN1	1. 71E-05	0. 299171	0. 037	0. 19	0. 255793	Undiff-G	RMDN1
EFEMP1	1. 71E-05	1. 353128	0. 316	0. 22	0. 255826	Undiff-G	EFEMP1
C2orf80	1. 71E-05	-0. 35127	0	0. 12	0. 256096	Undiff-G	C2orf80
ST8SIA4	1. 71E-05	-0. 43201	0	0. 12	0. 256096	Undiff-G	ST8SIA4
RAC2	1. 71E-05	-0. 53784	0	0. 12	0. 256096	Undiff-G	RAC2
DCAF5	1. 72E-05	-0. 30581	0. 007	0. 135	0. 257558	Undiff-G	DCAF5
TOM1	1. 73E-05	-0. 19144	0. 022	0. 162	0. 259137	Undiff-G	TOM1
TMEM51	1. 74E-05	-0. 36194	0	0. 12	0. 260123	Undiff-G	TMEM51
TMEM42	1. 74E-05	0. 116355	0. 022	0. 162	0. 26021	Undiff-G	TMEM42
C1R	1. 75E-05	1. 39382	0. 309	0. 214	0. 261316	Undiff-G	C1R
GMCL1	1. 75E-05	-0. 30762	0. 022	0. 16	0. 262146	Undiff-G	GMCL1
PDDC1	1. 76E-05	-0. 22207	0. 015	0. 147	0. 26326	Undiff-G	PDDC1
MPI	1. 76E-05	-0. 31247	0. 007	0. 134	0. 263434	Undiff-G	MPI
MCCC1	1. 77E-05	-0. 23068	0. 015	0. 148	0. 263879	Undiff-G	MCCC1
KBTBD6	1. 77E-05	-0. 33465	0. 007	0. 133	0. 264291	Undiff-G	KBTBD6
FAM118A	1. 77E-05	-0. 37593	0. 007	0. 134	0. 265081	Undiff-G	FAM118A
IFFO1	1. 78E-05	-0. 35173	0	0. 12	0. 266279	Undiff-G	IFFO1
POLD2	1. 80E-05	0. 654288	0. 169	0. 424	0. 268567	Undiff-G	POLD2
HSPA1B	1. 80E-05	0. 388906	0. 162	0. 413	0. 268635	Undiff-G	HSPA1B
KLHL42	1. 81E-05	-0. 21713	0. 022	0. 16	0. 269932	Undiff-G	KLHL42
FRMD4B	1. 81E-05	-0. 2133	0. 022	0. 161	0. 27045	Undiff-G	FRMD4B
MED1	1. 81E-05	-0. 2944	0	0. 12	0. 270463	Undiff-G	MED1
NDUFB2	1. 82E-05	0. 514024	0. 338	0. 814	0. 271504	Undiff-G	NDUFB2
PLEKHB1	1. 82E-05	0. 144351	0. 051	0. 215	0. 272279	Undiff-G	PLEKHB1
FAM214B	1. 82E-05	-0. 32308	0	0. 12	0. 272579	Undiff-G	FAM214B
CNTRL	1. 82E-05	-0. 35593	0	0. 12	0. 272579	Undiff-G	CNTRL
IKBIP	1. 83E-05	0. 330642	0. 059	0. 228	0. 273091	Undiff-G	IKBIP
TXNRD2	1. 84E-05	-0. 28953	0	0. 12	0. 274711	Undiff-G	TXNRD2
ZNF559	1. 85E-05	-0. 30814	0. 015	0. 146	0. 276218	Undiff-G	ZNF559
BACE1	1. 88E-05	-0. 33074	0	0. 119	0. 281207	Undiff-G	BACE1

TMEM131	1. 88E-05	-0. 23811	0. 015	0. 148	0. 281283	Undiff-G	TMEM131
PBX3	1. 90E-05	-0. 30736	0	0. 119	0. 283405	Undiff-G	PBX3
TUBB4A	1. 90E-05	-0. 54582	0	0. 119	0. 283405	Undiff-G	TUBB4A
PEX11B	1. 91E-05	-0. 17911	0. 007	0. 134	0. 284732	Undiff-G	PEX11B
CD55	1. 91E-05	-0. 5128	0	0. 119	0. 285621	Undiff-G	CD55
UBR4	1. 91E-05	-0. 31762	0. 015	0. 147	0. 28589	Undiff-G	UBR4
DPF2	1. 92E-05	0. 191819	0. 059	0. 226	0. 286277	Undiff-G	DPF2
PNPT1	1. 93E-05	-0. 10238	0. 044	0. 198	0. 288916	Undiff-G	PNPT1
SRP14	1. 94E-05	0. 455224	0. 375	0. 872	0. 289176	Undiff-G	SRP14
RAB11B-AS1	1. 94E-05	-0. 16072	0. 007	0. 133	0. 289359	Undiff-G	RAB11B-AS1
CTC-524C5	1. 94E-05	-0. 28325	0	0. 119	0. 290103	Undiff-G	CTC-524C5. 2
GEMIN7	1. 95E-05	0. 105152	0. 022	0. 161	0. 291842	Undiff-G	GEMIN7
SLC6A8	1. 96E-05	-0. 34686	0	0. 119	0. 29237	Undiff-G	SLC6A8
GBA	1. 96E-05	-0. 37618	0. 007	0. 132	0. 292437	Undiff-G	GBA
NPRL2	1. 97E-05	-0. 21226	0. 022	0. 159	0. 294394	Undiff-G	NPRL2
RP11-849I	1. 98E-05	-0. 298	0. 007	0. 133	0. 295835	Undiff-G	RP11-849I19. 1
COPG2	1. 99E-05	-0. 30003	0	0. 119	0. 296956	Undiff-G	COPG2
SAYSD1	1. 99E-05	-0. 33067	0	0. 119	0. 296956	Undiff-G	SAYSD1
MGLL	2. 01E-05	-0. 31402	0. 015	0. 147	0. 300112	Undiff-G	MGLL
NARFL	2. 01E-05	-0. 27928	0. 015	0. 147	0. 301032	Undiff-G	NARFL
SBF2	2. 02E-05	-0. 22824	0. 037	0. 184	0. 302122	Undiff-G	SBF2
ITPR2	2. 03E-05	-0. 22576	0. 007	0. 133	0. 303218	Undiff-G	ITPR2
MAPK6	2. 03E-05	0. 134417	0. 029	0. 174	0. 303323	Undiff-G	MAPK6
NPAS3	2. 03E-05	-0. 26898	0. 022	0. 16	0. 303793	Undiff-G	NPAS3
CEP290	2. 03E-05	-0. 11104	0. 022	0. 159	0. 303824	Undiff-G	CEP290
TMEM214	2. 03E-05	-0. 29908	0	0. 118	0. 303968	Undiff-G	TMEM214
MAML1	2. 03E-05	-0. 39098	0	0. 118	0. 303968	Undiff-G	MAML1
FBXO17	2. 04E-05	-0. 29499	0. 015	0. 145	0. 304769	Undiff-G	FBXO17
TRAPPC2P1	2. 04E-05	0. 145106	0. 059	0. 226	0. 305439	Undiff-G	TRAPPC2P1
FOXN2	2. 06E-05	-0. 35826	0. 007	0. 132	0. 307953	Undiff-G	FOXN2
ARHGEF7	2. 06E-05	-0. 30745	0. 022	0. 16	0. 30845	Undiff-G	ARHGEF7
TGFBR2	2. 07E-05	-0. 40273	0	0. 118	0. 308733	Undiff-G	TGFBR2
KLHDC10	2. 07E-05	-0. 28939	0. 007	0. 132	0. 309752	Undiff-G	KLHDC10
LMNB2	2. 08E-05	-0. 27367	0	0. 118	0. 311142	Undiff-G	LMNB2
N4BP2	2. 08E-05	-0. 2946	0	0. 118	0. 311142	Undiff-G	N4BP2
INSM1	2. 08E-05	-0. 33397	0	0. 118	0. 311142	Undiff-G	INSM1
LANCL1	2. 08E-05	-0. 3651	0	0. 118	0. 311142	Undiff-G	LANCL1
SLC35E2B	2. 08E-05	-0. 23235	0. 015	0. 146	0. 311411	Undiff-G	SLC35E2B
PTGR1	2. 09E-05	0. 242445	0. 037	0. 187	0. 31244	Undiff-G	PTGR1
XPNPEP1	2. 14E-05	-0. 333	0. 015	0. 144	0. 320087	Undiff-G	XPNPEP1
DCTN4	2. 15E-05	0. 215735	0. 037	0. 187	0. 320786	Undiff-G	DCTN4
SREBF1	2. 15E-05	-0. 35868	0	0. 118	0. 320968	Undiff-G	SREBF1
RP1-39G22	2. 16E-05	-0. 17657	0. 007	0. 132	0. 322631	Undiff-G	RP1-39G22. 7
PPP1R8	2. 17E-05	0. 450352	0. 059	0. 225	0. 324219	Undiff-G	PPP1R8
PLP1	2. 18E-05	-0. 26725	0. 029	0. 173	0. 325519	Undiff-G	PLP1
GAS1	2. 18E-05	-0. 29123	0. 015	0. 146	0. 326001	Undiff-G	GAS1
PCIF1	2. 19E-05	-0. 31903	0. 015	0. 144	0. 327517	Undiff-G	PCIF1
SERPINH1	2. 19E-05	0. 370554	0. 051	0. 211	0. 327658	Undiff-G	SERPINH1
MYD88	2. 20E-05	-0. 3245	0. 007	0. 132	0. 328362	Undiff-G	MYD88
HKR1	2. 20E-05	-0. 31377	0	0. 118	0. 328537	Undiff-G	HKR1
SPG11	2. 20E-05	-0. 32974	0	0. 118	0. 328537	Undiff-G	SPG11

SRRD	2. 22E-05	-0. 25344	0	0. 118	0. 331099	Undiff-G	SRRD
AP006222.	2. 23E-05	0. 29988	0. 051	0. 213	0. 333323	Undiff-G	AP006222. 2
TRAFD1	2. 25E-05	-0. 30843	0. 007	0. 131	0. 336279	Undiff-G	TRAFD1
ZNRF1	2. 25E-05	-0. 25776	0	0. 117	0. 336281	Undiff-G	ZNRF1
BCL10	2. 26E-05	-0. 14065	0. 007	0. 132	0. 338118	Undiff-G	BCL10
GNG4	2. 27E-05	-0. 30867	0	0. 117	0. 338902	Undiff-G	GNG4
ZNF738	2. 28E-05	-0. 10731	0. 015	0. 145	0. 340145	Undiff-G	ZNF738
CEP89	2. 28E-05	-0. 16222	0. 007	0. 132	0. 340417	Undiff-G	CEP89
MSH2	2. 29E-05	-0. 30325	0	0. 117	0. 341543	Undiff-G	MSH2
GLS	2. 29E-05	-0. 34015	0. 007	0. 13	0. 342126	Undiff-G	GLS
NUP93	2. 29E-05	-0. 26257	0. 037	0. 183	0. 34244	Undiff-G	NUP93
ZSWIM6	2. 29E-05	-0. 31608	0. 007	0. 13	0. 342525	Undiff-G	ZSWIM6
ZNF770	2. 29E-05	-0. 26291	0. 007	0. 131	0. 342861	Undiff-G	ZNF770
RNPEPL1	2. 30E-05	-0. 14264	0. 007	0. 132	0. 343396	Undiff-G	RNPEPL1
PAK4	2. 30E-05	-0. 28382	0	0. 117	0. 344204	Undiff-G	PAK4
CD99L2	2. 31E-05	-0. 28223	0. 007	0. 131	0. 344927	Undiff-G	CD99L2
9-Mar	2. 31E-05	-0. 37676	0. 022	0. 156	0. 344988	Undiff-G	9-Mar
YDJC	2. 32E-05	-0. 2292	0. 015	0. 145	0. 346447	Undiff-G	YDJC
4-Sep	2. 32E-05	-0. 42551	0. 007	0. 131	0. 346798	Undiff-G	4-Sep
SNX12	2. 34E-05	-0. 29198	0. 007	0. 131	0. 349496	Undiff-G	SNX12
ARHGAP4	2. 34E-05	-0. 46327	0	0. 117	0. 349588	Undiff-G	ARHGAP4
PPAT	2. 35E-05	-0. 20834	0. 015	0. 145	0. 3514	Undiff-G	PPAT
SAMD4B	2. 36E-05	0. 2805	0. 059	0. 225	0. 352376	Undiff-G	SAMD4B
SYNJ2BP	2. 36E-05	-0. 17373	0. 015	0. 145	0. 353321	Undiff-G	SYNJ2BP
TCF3	2. 38E-05	-0. 26143	0. 007	0. 131	0. 355143	Undiff-G	TCF3
POGK	2. 38E-05	-0. 27884	0. 007	0. 131	0. 355905	Undiff-G	POGK
LHX2	2. 39E-05	-0. 22532	0. 007	0. 131	0. 356673	Undiff-G	LHX2
TTYH2	2. 39E-05	-0. 35603	0	0. 117	0. 35782	Undiff-G	TTYH2
PSPH	2. 41E-05	0. 111403	0. 022	0. 159	0. 36069	Undiff-G	PSPH
LGALS3BP	2. 42E-05	0. 51194	0. 184	0. 452	0. 3615	Undiff-G	LGALS3BP
ERCC4	2. 42E-05	-0. 29976	0. 007	0. 131	0. 361596	Undiff-G	ERCC4
ATG13	2. 42E-05	-0. 17606	0. 007	0. 131	0. 362376	Undiff-G	ATG13
CBX4	2. 43E-05	-0. 31187	0	0. 117	0. 363413	Undiff-G	CBX4
ADAM10	2. 43E-05	0. 336262	0. 037	0. 186	0. 363467	Undiff-G	ADAM10
EFR3A	2. 44E-05	-0. 25185	0. 015	0. 144	0. 363984	Undiff-G	EFR3A
RRAGD	2. 44E-05	-0. 14632	0. 007	0. 131	0. 365261	Undiff-G	RRAGD
COPB1	2. 46E-05	0. 512541	0. 096	0. 288	0. 367891	Undiff-G	COPB1
PHF19	2. 47E-05	-0. 32267	0. 007	0. 131	0. 368373	Undiff-G	PHF19
TMEM198	2. 47E-05	-0. 26552	0	0. 116	0. 369092	Undiff-G	TMEM198
SLC37A3	2. 48E-05	-0. 10657	0. 007	0. 131	0. 370955	Undiff-G	SLC37A3
STAG1	2. 49E-05	-0. 32016	0. 007	0. 129	0. 371939	Undiff-G	STAG1
POSTN	2. 51E-05	-0. 3655	0. 007	0. 131	0. 374629	Undiff-G	POSTN
CDYL	2. 51E-05	-0. 25933	0	0. 116	0. 374858	Undiff-G	CDYL
ANXA4	2. 53E-05	0. 254427	0. 044	0. 196	0. 378149	Undiff-G	ANXA4
DPP9	2. 56E-05	-0. 28648	0. 007	0. 13	0. 382588	Undiff-G	DPP9
MCAT	2. 60E-05	-0. 16191	0. 007	0. 13	0. 388641	Undiff-G	MCAT
EML3	2. 63E-05	-0. 2857	0	0. 116	0. 392693	Undiff-G	EML3
STX11	2. 63E-05	-0. 49966	0	0. 116	0. 392693	Undiff-G	STX11
C12orf73	2. 63E-05	-0. 11211	0. 022	0. 156	0. 392915	Undiff-G	C12orf73
PITPNA-AS	2. 64E-05	0. 335802	0. 044	0. 197	0. 394987	Undiff-G	PITPNA-AS1
AMER2	2. 65E-05	-0. 46236	0	0. 116	0. 395745	Undiff-G	AMER2

MCM3	2.65E-05	-0.24903	0.015	0.144	0.396472	Undiff-G	MCM3
CSTA	2.68E-05	-0.38114	0.007	0.13	0.399909	Undiff-G	CSTA
HPS5	2.69E-05	-0.3288	0	0.115	0.401921	Undiff-G	HPS5
ELMO2	2.70E-05	-0.2624	0.007	0.13	0.402922	Undiff-G	ELMO2
ZNF579	2.71E-05	-0.24856	0	0.115	0.405044	Undiff-G	ZNF579
WDR73	2.71E-05	-0.30226	0.015	0.143	0.40532	Undiff-G	WDR73
SLC11A2	2.74E-05	0.117439	0.029	0.17	0.410134	Undiff-G	SLC11A2
ZNF263	2.76E-05	-0.29612	0.007	0.129	0.411877	Undiff-G	ZNF263
RNF44	2.82E-05	-0.32338	0	0.115	0.42102	Undiff-G	RNF44
PLEKHF2	2.83E-05	-0.14728	0.007	0.129	0.423093	Undiff-G	PLEKHF2
FBXW7	2.85E-05	-0.27843	0.007	0.129	0.426268	Undiff-G	FBXW7
GPR89A	2.85E-05	-0.2912	0.007	0.129	0.426364	Undiff-G	GPR89A
SP100	2.86E-05	0.475523	0.096	0.289	0.427702	Undiff-G	SP100
ARID1B	2.87E-05	-0.28952	0.007	0.129	0.428987	Undiff-G	ARID1B
FAM222B	2.88E-05	-0.24869	0	0.115	0.430901	Undiff-G	FAM222B
HEXDC	2.88E-05	-0.28671	0	0.115	0.430901	Undiff-G	HEXDC
STARD4-AS	2.89E-05	-0.29851	0.007	0.128	0.431581	Undiff-G	STARD4-AS1
PRKAR1B	2.89E-05	-0.25971	0.007	0.129	0.432163	Undiff-G	PRKAR1B
TMEM99	2.89E-05	-0.21174	0.007	0.129	0.432413	Undiff-G	TMEM99
FBR5	2.91E-05	-0.29827	0	0.115	0.434245	Undiff-G	FBR5
R3HDM2	2.91E-05	-0.23985	0.029	0.169	0.435371	Undiff-G	R3HDM2
CCDC93	2.93E-05	-0.27789	0.007	0.129	0.437773	Undiff-G	CCDC93
PCDHB16	2.96E-05	-0.16246	0.015	0.141	0.442338	Undiff-G	PCDHB16
TREX1	2.97E-05	-0.31031	0	0.114	0.444432	Undiff-G	TREX1
TNK2	2.98E-05	-0.27589	0.007	0.129	0.445011	Undiff-G	TNK2
MSH6	2.99E-05	-0.29663	0.007	0.128	0.447513	Undiff-G	MSH6
USP53	2.99E-05	-0.21278	0.015	0.143	0.447539	Undiff-G	USP53
ZNF883	3.00E-05	-0.26161	0.015	0.142	0.447719	Undiff-G	ZNF883
SEPHS1	3.00E-05	-0.28435	0	0.114	0.447879	Undiff-G	SEPHS1
MFSD5	3.00E-05	-0.28723	0	0.114	0.447879	Undiff-G	MFSD5
PPIP5K2	3.00E-05	-0.25959	0.007	0.129	0.448022	Undiff-G	PPIP5K2
SMURF2	3.01E-05	-0.30212	0.007	0.127	0.449093	Undiff-G	SMURF2
WDR43	3.03E-05	0.387603	0.044	0.196	0.453017	Undiff-G	WDR43
PTK2B	3.05E-05	-0.32499	0.007	0.128	0.455061	Undiff-G	PTK2B
HCG18	3.07E-05	-0.28501	0	0.114	0.45838	Undiff-G	HCG18
BRI3BP	3.07E-05	-0.29762	0	0.114	0.45838	Undiff-G	BRI3BP
APBB2	3.07E-05	-0.30672	0	0.114	0.45838	Undiff-G	APBB2
FAM208A	3.12E-05	-0.26812	0.015	0.141	0.465629	Undiff-G	FAM208A
RUFY1	3.13E-05	-0.16698	0.022	0.154	0.468268	Undiff-G	RUFY1
BIN2	3.14E-05	-0.48282	0	0.114	0.469122	Undiff-G	BIN2
PLEKHA4	3.14E-05	-0.20398	0.007	0.128	0.469581	Undiff-G	PLEKHA4
SERGEF	3.14E-05	0.264491	0.029	0.169	0.46991	Undiff-G	SERGEF
RP11-14N7	3.16E-05	0.172266	0.051	0.206	0.472498	Undiff-G	RP11-14N7.2
HEPACAM	3.16E-05	-0.20285	0.037	0.179	0.47263	Undiff-G	HEPACAM
ORMDL3	3.17E-05	-0.22578	0.007	0.128	0.474125	Undiff-G	ORMDL3
GIT2	3.19E-05	-0.24538	0.022	0.155	0.476113	Undiff-G	GIT2
ZMYM4	3.19E-05	-0.26009	0.007	0.127	0.476331	Undiff-G	ZMYM4
FAM131A	3.20E-05	-0.27888	0.007	0.128	0.477759	Undiff-G	FAM131A
NUDT11	3.21E-05	-0.31809	0.007	0.128	0.479607	Undiff-G	NUDT11
ATP9A	3.21E-05	-0.28405	0	0.113	0.480112	Undiff-G	ATP9A
STYXL1	3.22E-05	-0.24645	0.007	0.128	0.48176	Undiff-G	STYXL1

TMEM68	3.24E-05	0.187534	0.029	0.169	0.48356	Undiff-G	TMEM68
CTSO	3.24E-05	-0.30101	0	0.113	0.483831	Undiff-G	CTSO
CYTH4	3.24E-05	-0.48393	0	0.113	0.483831	Undiff-G	CYTH4
TGFB1I1	3.24E-05	-0.22025	0.007	0.128	0.483987	Undiff-G	TGFB1I1
PTAFR	3.25E-05	-0.50124	0.007	0.127	0.484982	Undiff-G	PTAFR
ABHD17B	3.25E-05	-0.34525	0.007	0.126	0.485244	Undiff-G	ABHD17B
TCIRG1	3.26E-05	-0.42954	0.007	0.127	0.486932	Undiff-G	TCIRG1
UBTD1	3.26E-05	-0.27165	0	0.113	0.487579	Undiff-G	UBTD1
LRP6	3.26E-05	-0.28301	0	0.113	0.487579	Undiff-G	LRP6
IFITM10	3.27E-05	-0.40486	0.007	0.127	0.488008	Undiff-G	IFITM10
EPS8	3.27E-05	-0.27767	0.007	0.128	0.488951	Undiff-G	EPS8
DOLK	3.28E-05	-0.10197	0.007	0.128	0.489706	Undiff-G	DOLK
XXYLT1	3.28E-05	-0.1383	0.007	0.128	0.489706	Undiff-G	XXYLT1
LMO2	3.28E-05	-0.21509	0.029	0.166	0.490597	Undiff-G	LMO2
SH3BP1	3.29E-05	-0.36272	0	0.113	0.491355	Undiff-G	SH3BP1
DIAPH1	3.33E-05	-0.21593	0.015	0.14	0.497052	Undiff-G	DIAPH1
SRPX	3.33E-05	-0.11123	0.037	0.178	0.497097	Undiff-G	SRPX
DLAT	3.33E-05	-0.12053	0.007	0.127	0.497108	Undiff-G	DLAT
POGLUT1	3.36E-05	-0.28683	0	0.113	0.502856	Undiff-G	POGLUT1
PRKX	3.36E-05	-0.33081	0	0.113	0.502856	Undiff-G	PRKX
PIP4K2A	3.38E-05	-0.40219	0.015	0.138	0.504409	Undiff-G	PIP4K2A
INPP1	3.38E-05	-0.2939	0.022	0.153	0.505256	Undiff-G	INPP1
DLG1	3.38E-05	-0.16489	0.029	0.167	0.505579	Undiff-G	DLG1
SLC35F1	3.40E-05	-0.10303	0.007	0.127	0.508811	Undiff-G	SLC35F1
CEP68	3.41E-05	-0.14502	0.022	0.153	0.50947	Undiff-G	CEP68
DNAJB4	3.42E-05	-0.3336	0.007	0.127	0.510558	Undiff-G	DNAJB4
ACSS3	3.42E-05	-0.24212	0	0.113	0.510671	Undiff-G	ACSS3
ST3GAL6	3.42E-05	-0.44031	0	0.113	0.510671	Undiff-G	ST3GAL6
HMGXB3	3.43E-05	-0.26046	0.007	0.127	0.512221	Undiff-G	HMGXB3
KIAA0232	3.45E-05	-0.17603	0.022	0.153	0.516224	Undiff-G	KIAA0232
TXLNA	3.46E-05	-0.20354	0.015	0.141	0.517759	Undiff-G	TXLNA
USP36	3.46E-05	-0.33014	0.015	0.14	0.517778	Undiff-G	USP36
MTIF2	3.46E-05	0.10473	0.015	0.141	0.517787	Undiff-G	MTIF2
C5orf56	3.47E-05	-0.32979	0	0.113	0.518604	Undiff-G	C5orf56
FAM126B	3.47E-05	-0.26188	0.015	0.141	0.519097	Undiff-G	FAM126B
CXorf40B	3.48E-05	0.166046	0.022	0.155	0.520693	Undiff-G	CXorf40B
GGA2	3.49E-05	-0.32535	0.015	0.14	0.522053	Undiff-G	GGA2
GLI4	3.50E-05	-0.28204	0	0.112	0.522616	Undiff-G	GLI4
CAMK1D	3.50E-05	-0.34345	0	0.112	0.522616	Undiff-G	CAMK1D
TMC6	3.50E-05	-0.44595	0	0.112	0.522616	Undiff-G	TMC6
HYOU1	3.50E-05	-0.22732	0.015	0.141	0.523074	Undiff-G	HYOU1
PRKAG2-AS	3.52E-05	-0.45762	0.007	0.126	0.525765	Undiff-G	PRKAG2-AS1
TULP3	3.52E-05	-0.23651	0.007	0.127	0.526006	Undiff-G	TULP3
KIAA0196	3.52E-05	-0.29565	0	0.112	0.526659	Undiff-G	KIAA0196
ATG7	3.52E-05	-0.34987	0	0.112	0.526659	Undiff-G	ATG7
TLR2	3.52E-05	-0.50063	0	0.112	0.526659	Undiff-G	TLR2
DHX40	3.53E-05	-0.18184	0.015	0.141	0.528013	Undiff-G	DHX40
DHCR7	3.54E-05	0.354785	0.037	0.179	0.528794	Undiff-G	DHCR7
RGS2	3.55E-05	0.46579	0.184	0.448	0.53089	Undiff-G	RGS2
XPR1	3.56E-05	-0.21836	0.007	0.127	0.531701	Undiff-G	XPR1
CUTC	3.56E-05	-0.25716	0.007	0.127	0.531701	Undiff-G	CUTC

SRPK1	3.57E-05	0.14719	0.029	0.168	0.533604	Undiff-G	SRPK1
EPS15	3.57E-05	-0.33777	0.022	0.152	0.534084	Undiff-G	EPS15
CHL1	3.59E-05	0.147934	0.022	0.154	0.535917	Undiff-G	CHL1
TMEM41A	3.59E-05	-0.2008	0.007	0.127	0.536421	Undiff-G	TMEM41A
C17orf49	3.60E-05	-0.25373	0.015	0.139	0.53821	Undiff-G	C17orf49
FAM171B	3.61E-05	-0.2917	0	0.112	0.538972	Undiff-G	FAM171B
UGGT1	3.61E-05	-0.30701	0	0.112	0.538972	Undiff-G	UGGT1
SHMT2	3.61E-05	0.410547	0.066	0.233	0.539707	Undiff-G	SHMT2
COLGALT2	3.61E-05	-0.1065	0.015	0.14	0.540179	Undiff-G	COLGALT2
SART3	3.62E-05	-0.10667	0.007	0.127	0.541183	Undiff-G	SART3
STAT2	3.64E-05	-0.13854	0.015	0.14	0.543552	Undiff-G	STAT2
NOL3	3.66E-05	0.109432	0.029	0.167	0.546874	Undiff-G	NOL3
RALGAPA2	3.66E-05	-0.25936	0	0.112	0.547338	Undiff-G	RALGAPA2
CEP57L1	3.66E-05	-0.29537	0	0.112	0.547338	Undiff-G	CEP57L1
AMPD2	3.66E-05	-0.13577	0.022	0.153	0.547622	Undiff-G	AMPD2
STRIP1	3.67E-05	-0.29976	0.007	0.126	0.548018	Undiff-G	STRIP1
TPT1-AS1	3.67E-05	-0.12177	0.015	0.14	0.548758	Undiff-G	TPT1-AS1
SLC35B3	3.68E-05	-0.10763	0.007	0.126	0.549561	Undiff-G	SLC35B3
LPIN1	3.68E-05	-0.3264	0.015	0.138	0.549564	Undiff-G	LPIN1
WDR48	3.68E-05	-0.24916	0.015	0.14	0.550078	Undiff-G	WDR48
NOTCH1	3.69E-05	-0.27339	0	0.112	0.551568	Undiff-G	NOTCH1
RNF135	3.69E-05	-0.35885	0	0.112	0.551568	Undiff-G	RNF135
ANK2	3.70E-05	-0.19373	0.029	0.165	0.552485	Undiff-G	ANK2
PPAN	3.74E-05	-0.16728	0.029	0.166	0.559318	Undiff-G	PPAN
BIVM	3.75E-05	-0.26753	0	0.112	0.560126	Undiff-G	BIVM
PRPS2	3.75E-05	-0.26235	0.007	0.126	0.560314	Undiff-G	PRPS2
NLGN1	3.76E-05	-0.25682	0.015	0.139	0.56212	Undiff-G	NLGN1
LRRC41	3.76E-05	0.312865	0.074	0.243	0.562426	Undiff-G	LRRC41
ENOSF1	3.77E-05	-0.27086	0.007	0.126	0.563188	Undiff-G	ENOSF1
PI3	3.77E-05	1.445171	0.125	0.052	0.563392	Undiff-G	PI3
RALGAPB	3.78E-05	-0.24023	0	0.112	0.564453	Undiff-G	RALGAPB
GTPBP8	3.78E-05	-0.31588	0	0.112	0.564453	Undiff-G	GTPBP8
CCP110	3.78E-05	-0.33809	0.007	0.125	0.565615	Undiff-G	CCP110
ST6GAL1	3.81E-05	-0.44118	0	0.112	0.568814	Undiff-G	ST6GAL1
TMEM175	3.81E-05	-0.24418	0.022	0.153	0.569118	Undiff-G	TMEM175
SH3BP2	3.82E-05	-0.27719	0.015	0.14	0.570354	Undiff-G	SH3BP2
DCAF15	3.84E-05	-0.26418	0	0.111	0.573208	Undiff-G	DCAF15
MTA1	3.85E-05	-0.17443	0.044	0.192	0.575515	Undiff-G	MTA1
FASTKD5	3.87E-05	-0.28627	0	0.111	0.577635	Undiff-G	FASTKD5
RP11-390E	3.88E-05	-0.20134	0.007	0.126	0.579118	Undiff-G	RP11-390E23.6
MERTK	3.88E-05	-0.32017	0.007	0.126	0.57923	Undiff-G	MERTK
FUT8	3.88E-05	-0.20113	0.007	0.126	0.579676	Undiff-G	FUT8
DDAH1	3.88E-05	-0.16137	0.007	0.126	0.579787	Undiff-G	DDAH1
KLHL12	3.88E-05	-0.10691	0.007	0.126	0.579899	Undiff-G	KLHL12
TCAIM	3.90E-05	-0.16895	0.015	0.138	0.582138	Undiff-G	TCAIM
RPP21	3.90E-05	-0.26747	0.007	0.126	0.582232	Undiff-G	RPP21
MGST3	3.90E-05	0.697724	0.294	0.698	0.583516	Undiff-G	MGST3
ZFC3H1	3.91E-05	-0.28284	0.007	0.125	0.584989	Undiff-G	ZFC3H1
CD200	3.93E-05	-0.33025	0	0.111	0.58659	Undiff-G	CD200
LAPTM4A	3.93E-05	0.545913	0.331	0.778	0.587602	Undiff-G	LAPTM4A
PXN	3.93E-05	-0.2146	0.007	0.126	0.587959	Undiff-G	PXN

HIRIP3	3.95E-05	0.186084	0.029	0.167	0.590667	Undiff-G	HIRIP3
GNB5	3.96E-05	-0.26856	0	0.111	0.591118	Undiff-G	GNB5
TMEM43	3.96E-05	0.332105	0.044	0.193	0.59149	Undiff-G	TMEM43
FAM91A1	3.97E-05	-0.19422	0.007	0.125	0.592601	Undiff-G	FAM91A1
RAB3GAP1	3.97E-05	-0.19776	0.015	0.139	0.593257	Undiff-G	RAB3GAP1
PDE12	3.99E-05	-0.29725	0	0.111	0.595681	Undiff-G	PDE12
ZNF12	3.99E-05	-0.24543	0.007	0.125	0.595998	Undiff-G	ZNF12
UTRN	4.02E-05	-0.30029	0	0.111	0.600279	Undiff-G	UTRN
KLRC2	4.02E-05	-0.40053	0	0.111	0.600279	Undiff-G	KLRC2
JADE1	4.02E-05	-0.2559	0.007	0.125	0.600834	Undiff-G	JADE1
WEE1	4.03E-05	-0.24093	0.022	0.151	0.602492	Undiff-G	WEE1
ZNF451	4.04E-05	-0.11097	0.029	0.164	0.604088	Undiff-G	ZNF451
OPA3	4.05E-05	-0.28891	0	0.111	0.604911	Undiff-G	OPA3
CYB561A3	4.06E-05	-0.25282	0.022	0.152	0.606268	Undiff-G	CYB561A3
USP42	4.07E-05	-0.29835	0.007	0.124	0.607751	Undiff-G	USP42
TLK2	4.09E-05	-0.25098	0.007	0.125	0.611941	Undiff-G	TLK2
NFAT5	4.10E-05	-0.26168	0.015	0.138	0.612155	Undiff-G	NFAT5
AMDHD2	4.11E-05	-0.30799	0.007	0.124	0.613672	Undiff-G	AMDHD2
RFTN1	4.11E-05	-0.26403	0	0.111	0.614282	Undiff-G	RFTN1
MOSPD2	4.11E-05	-0.31681	0	0.111	0.614282	Undiff-G	MOSPD2
HDDC3	4.11E-05	-0.13187	0.022	0.151	0.614725	Undiff-G	HDDC3
ZNF830	4.13E-05	0.382289	0.044	0.193	0.61676	Undiff-G	ZNF830
SALL1	4.14E-05	-0.18887	0.015	0.139	0.618448	Undiff-G	SALL1
CREB3L2	4.14E-05	-0.29853	0.007	0.125	0.618828	Undiff-G	CREB3L2
ZZZ3	4.14E-05	-0.2812	0	0.111	0.61902	Undiff-G	ZZZ3
C6orf136	4.14E-05	-0.29448	0	0.111	0.61902	Undiff-G	C6orf136
ZNF512	4.17E-05	-0.25917	0.007	0.125	0.623229	Undiff-G	ZNF512
ARFGEF1	4.18E-05	-0.19446	0.007	0.125	0.625149	Undiff-G	ARFGEF1
JAKMIP2	4.19E-05	0.125691	0.022	0.152	0.625815	Undiff-G	JAKMIP2
PRDX2	4.19E-05	0.432061	0.316	0.706	0.626863	Undiff-G	PRDX2
XRCC1	4.20E-05	-0.2527	0.007	0.125	0.627057	Undiff-G	XRCC1
METTL16	4.21E-05	-0.26979	0	0.11	0.628606	Undiff-G	METTL16
OXSRI	4.21E-05	-0.29347	0	0.11	0.628606	Undiff-G	OXSRI
PIP4K2C	4.21E-05	-0.34251	0	0.11	0.628606	Undiff-G	PIP4K2C
CLPX	4.21E-05	-0.15507	0.022	0.151	0.629735	Undiff-G	CLPX
CTTN	4.23E-05	0.462827	0.066	0.231	0.632497	Undiff-G	CTTN
RUFY2	4.26E-05	-0.22451	0.022	0.151	0.636354	Undiff-G	RUFY2
BEND5	4.26E-05	-0.12392	0.015	0.138	0.636986	Undiff-G	BEND5
CHST7	4.27E-05	-0.23897	0	0.11	0.638337	Undiff-G	CHST7
COL6A1	4.27E-05	0.175136	0.066	0.231	0.638584	Undiff-G	COL6A1
KCNF1	4.28E-05	-0.25829	0.007	0.125	0.639683	Undiff-G	KCNF1
TAF3	4.30E-05	-0.30951	0.007	0.123	0.643122	Undiff-G	TAF3
PRKRIR	4.30E-05	-0.24835	0	0.11	0.643258	Undiff-G	PRKRIR
PPP3CB	4.30E-05	-0.29962	0	0.11	0.643258	Undiff-G	PPP3CB
PELP1	4.31E-05	0.131889	0.022	0.152	0.643553	Undiff-G	PELP1
LACTB2	4.33E-05	0.141422	0.022	0.152	0.647002	Undiff-G	LACTB2
ZNF721	4.34E-05	-0.26551	0.022	0.15	0.648863	Undiff-G	ZNF721
PLK2	4.34E-05	-0.10589	0.015	0.138	0.649176	Undiff-G	PLK2
CCNY	4.37E-05	-0.29873	0	0.11	0.653212	Undiff-G	CCNY
SLC27A3	4.39E-05	-0.3075	0.007	0.124	0.656192	Undiff-G	SLC27A3
SH2B3	4.40E-05	-0.39906	0	0.11	0.658246	Undiff-G	SH2B3



PRPS1	4.41E-05	0.344619	0.044	0.191	0.658898	Undiff-G	PRPS1
PLOD2	4.42E-05	-0.1708	0.029	0.163	0.660887	Undiff-G	PLOD2
CLASRP	4.43E-05	-0.17512	0.022	0.15	0.66257	Undiff-G	CLASRP
SH2B2	4.44E-05	-0.2648	0	0.11	0.663318	Undiff-G	SH2B2
TPP2	4.45E-05	-0.11727	0.007	0.124	0.66567	Undiff-G	TPP2
CNOT6L	4.47E-05	-0.30807	0	0.11	0.668428	Undiff-G	CNOT6L
HMHA1	4.47E-05	-0.45688	0	0.11	0.668428	Undiff-G	HMHA1
TBL3	4.49E-05	-0.28916	0.007	0.124	0.6711	Undiff-G	TBL3
MSI1	4.50E-05	-0.26633	0.015	0.137	0.672866	Undiff-G	MSI1
LINC00847	4.51E-05	-0.30792	0	0.11	0.673577	Undiff-G	LINC00847
TBC1D22A	4.52E-05	-0.13991	0.007	0.124	0.676067	Undiff-G	TBC1D22A
YTHDF3	4.53E-05	-0.26451	0.015	0.138	0.676538	Undiff-G	YTHDF3
DLX2	4.54E-05	-0.46095	0	0.11	0.678765	Undiff-G	DLX2
C20orf194	4.59E-05	-0.30154	0.015	0.136	0.68563	Undiff-G	C20orf194
MFN2	4.61E-05	-0.28739	0	0.109	0.689259	Undiff-G	MFN2
FADS3	4.62E-05	-0.17703	0.022	0.15	0.691025	Undiff-G	FADS3
NXPH1	4.64E-05	-0.28837	0.015	0.137	0.693359	Undiff-G	NXPH1
STXBP1	4.65E-05	-0.29239	0.007	0.122	0.694321	Undiff-G	STXBP1
SMG1	4.65E-05	-0.15566	0.029	0.164	0.694589	Undiff-G	SMG1
FAM126A	4.66E-05	0.131925	0.015	0.138	0.696769	Undiff-G	FAM126A
ZNF528	4.68E-05	-0.2575	0	0.109	0.699913	Undiff-G	ZNF528
ZNF439	4.71E-05	-0.25148	0.022	0.149	0.704008	Undiff-G	ZNF439
USE1	4.75E-05	0.537267	0.125	0.332	0.709647	Undiff-G	USE1
ALDOA	4.78E-05	0.931123	0.596	0.848	0.71369	Undiff-G	ALDOA
BCL2L13	4.78E-05	0.125067	0.022	0.151	0.714198	Undiff-G	BCL2L13
SLC35F2	4.79E-05	-0.24665	0	0.109	0.716197	Undiff-G	SLC35F2
ANKFY1	4.80E-05	-0.21643	0.015	0.137	0.716742	Undiff-G	ANKFY1
AKAP1	4.80E-05	-0.26014	0.007	0.123	0.716877	Undiff-G	AKAP1
WBP5	4.81E-05	0.732208	0.213	0.506	0.719274	Undiff-G	WBP5
KAT6B	4.82E-05	-0.27321	0.007	0.123	0.720743	Undiff-G	KAT6B
STX2	4.83E-05	-0.25562	0	0.109	0.721708	Undiff-G	STX2
FAM199X	4.83E-05	-0.25872	0	0.109	0.721708	Undiff-G	FAM199X
GOLGA5	4.84E-05	0.135128	0.022	0.149	0.722928	Undiff-G	GOLGA5
NCKAP1L	4.84E-05	-0.31136	0.007	0.123	0.723264	Undiff-G	NCKAP1L
POU2F1	4.85E-05	-0.18907	0.029	0.162	0.725453	Undiff-G	POU2F1
ARFGAP1	4.86E-05	-0.22517	0.022	0.149	0.725615	Undiff-G	ARFGAP1
CASP6	4.86E-05	0.147359	0.029	0.164	0.72576	Undiff-G	CASP6
SUGP1	4.87E-05	-0.23057	0.015	0.137	0.727195	Undiff-G	SUGP1
FAM216A	4.88E-05	-0.11012	0.007	0.123	0.729652	Undiff-G	FAM216A
RASSF5	4.90E-05	-0.42191	0.007	0.121	0.731636	Undiff-G	RASSF5
PCGF2	4.92E-05	0.290273	0.029	0.164	0.735149	Undiff-G	PCGF2
PPP1R37	4.96E-05	-0.24851	0.015	0.136	0.741323	Undiff-G	PPP1R37
CERK	4.98E-05	-0.2876	0	0.108	0.74417	Undiff-G	CERK
ANAPC4	4.98E-05	-0.29885	0	0.108	0.74417	Undiff-G	ANAPC4
IPO13	4.98E-05	-0.30518	0	0.108	0.74417	Undiff-G	IPO13
TBC1D12	4.98E-05	-0.33121	0	0.108	0.74417	Undiff-G	TBC1D12
CCDC57	4.98E-05	-0.36422	0	0.108	0.74417	Undiff-G	CCDC57
ADSS	5.00E-05	0.180141	0.044	0.188	0.74651	Undiff-G	ADSS
NAA16	5.00E-05	-0.27977	0.007	0.123	0.747021	Undiff-G	NAA16
USP7	5.02E-05	-0.17322	0.015	0.137	0.75055	Undiff-G	USP7
SELPLG	5.05E-05	-0.43868	0.007	0.123	0.755303	Undiff-G	SELPLG

RAN	5.06E-05	0.62373	0.331	0.762	0.75633	Undiff-G	RAN
HBA2	5.07E-05	0.338016	0.051	0.199	0.758336	Undiff-G	HBA2
SMARCAD1	5.10E-05	-0.2557	0	0.108	0.761466	Undiff-G	SMARCAD1
GPR82	5.12E-05	-0.2672	0.015	0.136	0.764732	Undiff-G	GPR82
CHRN1	5.15E-05	0.202598	0.022	0.15	0.76987	Undiff-G	CHRN1
TTC9C	5.18E-05	0.354006	0.037	0.177	0.774184	Undiff-G	TTC9C
MAF	5.20E-05	-0.20284	0.015	0.136	0.777427	Undiff-G	MAF
TMEM138	5.23E-05	0.127967	0.037	0.174	0.781319	Undiff-G	TMEM138
LYAR	5.23E-05	0.268452	0.037	0.176	0.781765	Undiff-G	LYAR
WDR11	5.25E-05	-0.3358	0	0.108	0.785144	Undiff-G	WDR11
PHTF1	5.26E-05	-0.25685	0.007	0.122	0.7864	Undiff-G	PHTF1
SLC37A4	5.27E-05	-0.17365	0.007	0.122	0.787254	Undiff-G	SLC37A4
PAAF1	5.28E-05	0.128659	0.051	0.201	0.789448	Undiff-G	PAAF1
MFSD3	5.28E-05	-0.26899	0.007	0.121	0.78972	Undiff-G	MFSD3
ATP1A3	5.30E-05	-0.38568	0.007	0.122	0.792423	Undiff-G	ATP1A3
MANBA	5.33E-05	-0.36865	0.007	0.122	0.796692	Undiff-G	MANBA
SH3RF1	5.33E-05	-0.25208	0	0.108	0.797253	Undiff-G	SH3RF1
SPHK1	5.33E-05	-0.29625	0	0.108	0.797253	Undiff-G	SPHK1
BTN2A1	5.36E-05	-0.30064	0.007	0.121	0.800964	Undiff-G	BTN2A1
PILRB	5.36E-05	-0.18821	0.029	0.163	0.8016	Undiff-G	PILRB
RGS3	5.38E-05	-0.26838	0	0.108	0.803376	Undiff-G	RGS3
BRCC3	5.38E-05	-0.28116	0	0.108	0.803376	Undiff-G	BRCC3
NAP1L5	5.38E-05	-0.24043	0.015	0.136	0.804495	Undiff-G	NAP1L5
AGAP1	5.40E-05	-0.29529	0.007	0.121	0.80638	Undiff-G	AGAP1
BPNT1	5.42E-05	-0.29659	0	0.108	0.809546	Undiff-G	BPNT1
ISYNA1	5.43E-05	-0.15657	0.015	0.135	0.810951	Undiff-G	ISYNA1
ID1	5.43E-05	-0.23195	0.007	0.122	0.811805	Undiff-G	ID1
ESYT1	5.44E-05	-0.31336	0.007	0.122	0.813178	Undiff-G	ESYT1
SERTAD2	5.45E-05	-0.25276	0.007	0.122	0.814579	Undiff-G	SERTAD2
NFS1	5.46E-05	-0.14262	0.015	0.135	0.815771	Undiff-G	NFS1
VPS53	5.48E-05	-0.14418	0.029	0.161	0.819272	Undiff-G	VPS53
NME7	5.50E-05	0.310156	0.029	0.163	0.821329	Undiff-G	NME7
SOBP	5.50E-05	-0.19537	0.015	0.136	0.82241	Undiff-G	SOBP
NBN	5.52E-05	0.144574	0.022	0.149	0.825139	Undiff-G	NBN
LRRN1	5.54E-05	-0.30764	0	0.107	0.828335	Undiff-G	LRRN1
MAN2C1	5.55E-05	-0.3363	0.015	0.135	0.829243	Undiff-G	MAN2C1
IRF2BP1	5.59E-05	-0.23236	0	0.107	0.834692	Undiff-G	IRF2BP1
MAPKAPK2	5.59E-05	-0.15134	0.015	0.134	0.835105	Undiff-G	MAPKAPK2
SLC7A6OS	5.61E-05	-0.21024	0.015	0.135	0.838927	Undiff-G	SLC7A6OS
TECPR1	5.61E-05	-0.24714	0.007	0.122	0.839001	Undiff-G	TECPR1
ZCCHC3	5.63E-05	-0.23444	0	0.107	0.841098	Undiff-G	ZCCHC3
SYK	5.63E-05	-0.43637	0	0.107	0.841098	Undiff-G	SYK
BAG5	5.63E-05	0.218799	0.044	0.186	0.8415	Undiff-G	BAG5
CTPS1	5.67E-05	-0.28408	0	0.107	0.847552	Undiff-G	CTPS1
SNX29	5.67E-05	-0.34404	0	0.107	0.847552	Undiff-G	SNX29
AKAP12	5.68E-05	0.155792	0.044	0.189	0.848593	Undiff-G	AKAP12
FAM134C	5.70E-05	-0.28804	0.007	0.121	0.851932	Undiff-G	FAM134C
PEMT	5.74E-05	0.472447	0.059	0.214	0.857495	Undiff-G	PEMT
SEH1L	5.77E-05	-0.16456	0.007	0.121	0.86236	Undiff-G	SEH1L
GIT1	5.80E-05	-0.25172	0	0.107	0.867208	Undiff-G	GIT1
TMEM121	5.80E-05	-0.25868	0	0.107	0.867208	Undiff-G	TMEM121

ICMT	5.81E-05	-0.13589	0.015	0.134	0.86793	Undiff-G	ICMT
KATNB1	5.82E-05	-0.23188	0.007	0.121	0.870044	Undiff-G	KATNB1
DIMT1	5.83E-05	0.133436	0.044	0.188	0.871205	Undiff-G	DIMT1
ZDHC16	5.85E-05	-0.25622	0	0.107	0.87386	Undiff-G	ZDHC16
UBTD2	5.85E-05	-0.26142	0	0.107	0.87386	Undiff-G	UBTD2
RCHY1	5.85E-05	0.502511	0.051	0.202	0.87426	Undiff-G	RCHY1
INPPL1	5.86E-05	-0.12829	0.007	0.121	0.875936	Undiff-G	INPPL1
ALDH16A1	5.87E-05	-0.29141	0.007	0.121	0.87745	Undiff-G	ALDH16A1
ASCC3	5.88E-05	-0.2329	0.015	0.135	0.878837	Undiff-G	ASCC3
MCCC2	5.88E-05	-0.16291	0.015	0.135	0.879319	Undiff-G	MCCC2
NDE1	5.89E-05	-0.28226	0	0.107	0.880561	Undiff-G	NDE1
STK17B	5.90E-05	-0.2576	0.015	0.134	0.881826	Undiff-G	STK17B
DUS1L	5.90E-05	-0.23628	0.015	0.134	0.881994	Undiff-G	DUS1L
CA2	5.92E-05	0.41065	0.066	0.227	0.885229	Undiff-G	CA2
OTUD6B	5.98E-05	-0.2429	0.007	0.121	0.893227	Undiff-G	OTUD6B
CIC	5.98E-05	-0.26091	0.007	0.121	0.893355	Undiff-G	CIC
SLC26A11	5.98E-05	-0.24967	0	0.106	0.894115	Undiff-G	SLC26A11
NBAS	5.98E-05	-0.27418	0	0.106	0.894115	Undiff-G	NBAS
GNAI1	5.98E-05	-0.33626	0	0.106	0.894115	Undiff-G	GNAI1
LHPP	5.98E-05	-0.49502	0	0.106	0.894115	Undiff-G	LHPP
ODF2	6.01E-05	-0.17285	0.015	0.133	0.898322	Undiff-G	ODF2
CENPB	6.03E-05	-0.2676	0	0.106	0.900969	Undiff-G	CENPB
EPB41L3	6.03E-05	-0.43804	0	0.106	0.900969	Undiff-G	EPB41L3
NBPF10	6.07E-05	-0.1509	0.022	0.147	0.906397	Undiff-G	NBPF10
KTI12	6.08E-05	-0.26709	0	0.106	0.907875	Undiff-G	KTI12
DNAJC24	6.08E-05	-0.28403	0	0.106	0.907875	Undiff-G	DNAJC24
TBCD	6.10E-05	-0.23389	0.022	0.147	0.911831	Undiff-G	TBCD
SNX8	6.10E-05	-0.18267	0.022	0.148	0.912197	Undiff-G	SNX8
TMEM119	6.12E-05	-0.50964	0	0.106	0.914832	Undiff-G	TMEM119
NECAP1	6.15E-05	0.229206	0.051	0.2	0.918945	Undiff-G	NECAP1
ANAPC2	6.17E-05	-0.17159	0.015	0.133	0.921635	Undiff-G	ANAPC2
HDAC7	6.17E-05	-0.27773	0	0.106	0.921843	Undiff-G	HDAC7
EEFSEC	6.17E-05	-0.28458	0	0.106	0.921843	Undiff-G	EEFSEC
HUS1	6.17E-05	-0.35116	0.007	0.119	0.922113	Undiff-G	HUS1
QSER1	6.23E-05	-0.24156	0.007	0.119	0.930869	Undiff-G	QSER1
CDC42BPB	6.33E-05	-0.2323	0.007	0.12	0.945717	Undiff-G	CDC42BPB
SPATA33	6.34E-05	-0.13533	0.022	0.147	0.947942	Undiff-G	SPATA33
KIF22	6.36E-05	0.30642	0.051	0.198	0.95016	Undiff-G	KIF22
BIRC5	6.36E-05	-0.44339	0	0.106	0.950415	Undiff-G	BIRC5
GSDMD	6.37E-05	0.190474	0.044	0.186	0.951373	Undiff-G	GSDMD
RGMB	6.38E-05	-0.25845	0.015	0.133	0.953647	Undiff-G	RGMB
PHACTR1	6.39E-05	-0.50577	0.007	0.119	0.954788	Undiff-G	PHACTR1
ABR	6.40E-05	-0.11384	0.022	0.147	0.956519	Undiff-G	ABR
SPATA20	6.40E-05	-0.1926	0.015	0.132	0.956812	Undiff-G	SPATA20
ELMOD2	6.41E-05	-0.2977	0	0.106	0.957693	Undiff-G	ELMOD2
NUSAP1	6.41E-05	-0.44131	0	0.106	0.957693	Undiff-G	NUSAP1
C5orf28	6.42E-05	-0.19693	0.007	0.12	0.959341	Undiff-G	C5orf28
PRKAA1	6.44E-05	-0.21905	0.022	0.147	0.962096	Undiff-G	PRKAA1
SCG2	6.45E-05	0.250833	0.088	0.264	0.963161	Undiff-G	SCG2
ITSN1	6.45E-05	0.105121	0.022	0.147	0.963971	Undiff-G	ITSN1
SEN2	6.46E-05	0.125656	0.015	0.134	0.965099	Undiff-G	SEN2

IQCE	6.46E-05	-0.24417	0.007	0.12	0.965509	Undiff-G	IQCE
GALNS	6.47E-05	-0.23038	0.015	0.133	0.966369	Undiff-G	GALNS
RP11-262H	6.48E-05	-0.25646	0.007	0.12	0.968977	Undiff-G	RP11-262H14.4
THAP9-AS1	6.49E-05	0.338014	0.066	0.223	0.969476	Undiff-G	THAP9-AS1
ZNF652	6.49E-05	-0.24766	0.022	0.146	0.970427	Undiff-G	ZNF652
ZNF44	6.51E-05	-0.2833	0	0.105	0.972414	Undiff-G	ZNF44
FAM179B	6.53E-05	-0.24277	0.007	0.12	0.975114	Undiff-G	FAM179B
PSMA3	6.54E-05	0.799517	0.184	0.444	0.978074	Undiff-G	PSMA3
PARP14	6.55E-05	-0.2836	0.029	0.158	0.97845	Undiff-G	PARP14
GTF3C2	6.56E-05	-0.28783	0	0.105	0.979858	Undiff-G	GTF3C2
SPTY2D1	6.56E-05	-0.22364	0.007	0.12	0.980163	Undiff-G	SPTY2D1
DDX50	6.56E-05	0.256968	0.029	0.161	0.980687	Undiff-G	DDX50
DZIP3	6.57E-05	-0.24994	0.015	0.132	0.98176	Undiff-G	DZIP3
CAPRIN2	6.61E-05	-0.23254	0	0.105	0.987358	Undiff-G	CAPRIN2
CEBPA	6.61E-05	-0.41353	0	0.105	0.987358	Undiff-G	CEBPA
MGAT4B	6.66E-05	-0.22379	0	0.105	0.994914	Undiff-G	MGAT4B
ARL9	6.66E-05	-0.24533	0	0.105	0.994914	Undiff-G	ARL9
SLC25A38	6.69E-05	0.153065	0.022	0.147	1	Undiff-G	SLC25A38
SH3GLB2	6.70E-05	-0.21664	0.007	0.12	1	Undiff-G	SH3GLB2
WDR47	6.71E-05	-0.27669	0	0.105	1	Undiff-G	WDR47
SEMA5A	6.71E-05	-0.28988	0	0.105	1	Undiff-G	SEMA5A
IKBKB	6.76E-05	-0.2694	0.007	0.119	1	Undiff-G	IKBKB
H2AFY2	6.76E-05	-0.23264	0	0.105	1	Undiff-G	H2AFY2
ESRRA	6.76E-05	-0.26663	0	0.105	1	Undiff-G	ESRRA
CTR9	6.78E-05	0.290803	0.037	0.174	1	Undiff-G	CTR9
RRM1	6.79E-05	0.375746	0.044	0.187	1	Undiff-G	RRM1
DNAJB9	6.79E-05	0.845206	0.154	0.388	1	Undiff-G	DNAJB9
CDK2AP1	6.81E-05	-0.24232	0	0.105	1	Undiff-G	CDK2AP1
APOBEC3G	6.81E-05	-0.2805	0.007	0.119	1	Undiff-G	APOBEC3G
SLC8A1	6.83E-05	-0.18495	0.022	0.146	1	Undiff-G	SLC8A1
ING3	6.84E-05	0.381081	0.044	0.186	1	Undiff-G	ING3
SHMT1	6.88E-05	-0.15028	0.007	0.119	1	Undiff-G	SHMT1
LEO1	6.91E-05	-0.10996	0.022	0.145	1	Undiff-G	LEO1
SATB1	6.91E-05	-0.25574	0.015	0.131	1	Undiff-G	SATB1
UBFD1	6.92E-05	-0.25177	0	0.105	1	Undiff-G	UBFD1
LPAR5	6.92E-05	-0.44385	0	0.105	1	Undiff-G	LPAR5
ACADS	6.92E-05	-0.21321	0.007	0.119	1	Undiff-G	ACADS
KIAA0101	6.98E-05	-0.39571	0.007	0.119	1	Undiff-G	KIAA0101
C11orf74	7.01E-05	0.431172	0.037	0.173	1	Undiff-G	C11orf74
AK2	7.02E-05	0.728475	0.162	0.393	1	Undiff-G	AK2
TMEM209	7.03E-05	-0.14674	0.007	0.119	1	Undiff-G	TMEM209
CENPW	7.04E-05	-0.29224	0.007	0.119	1	Undiff-G	CENPW
FUNDC1	7.06E-05	0.486139	0.081	0.248	1	Undiff-G	FUNDC1
GZF1	7.08E-05	-0.27803	0	0.105	1	Undiff-G	GZF1
POLRMT	7.10E-05	-0.22088	0.015	0.132	1	Undiff-G	POLRMT
EIF2B5	7.11E-05	0.188801	0.044	0.185	1	Undiff-G	EIF2B5
RRP9	7.17E-05	0.156646	0.029	0.158	1	Undiff-G	RRP9
SPATA2L	7.18E-05	-0.26148	0	0.104	1	Undiff-G	SPATA2L
RALGAPA1	7.26E-05	-0.28669	0.015	0.131	1	Undiff-G	RALGAPA1
10-Sep	7.31E-05	-0.15302	0.007	0.119	1	Undiff-G	10-Sep
KIAA0907	7.33E-05	0.26136	0.051	0.196	1	Undiff-G	KIAA0907

IL17RC	7.34E-05	-0.23782	0.007	0.118	1 Undiff-G	IL17RC
PIP4K2B	7.35E-05	-0.25037	0	0.104	1 Undiff-G	PIP4K2B
CBL	7.35E-05	-0.26411	0	0.104	1 Undiff-G	CBL
RILP	7.35E-05	-0.297	0	0.104	1 Undiff-G	RILP
ANO6	7.41E-05	-0.2653	0	0.104	1 Undiff-G	ANO6
CARKD	7.41E-05	-0.21134	0.015	0.131	1 Undiff-G	CARKD
E2F6	7.45E-05	-0.13907	0.022	0.146	1 Undiff-G	E2F6
PPIL2	7.46E-05	-0.21857	0.007	0.118	1 Undiff-G	PPIL2
FBP1	7.46E-05	-0.40194	0.007	0.118	1 Undiff-G	FBP1
SRCAP	7.46E-05	-0.27737	0	0.104	1 Undiff-G	SRCAP
MORC3	7.46E-05	-0.28101	0	0.104	1 Undiff-G	MORC3
PCED1A	7.48E-05	-0.21093	0.015	0.132	1 Undiff-G	PCED1A
ATG10	7.48E-05	-0.11719	0.022	0.144	1 Undiff-G	ATG10
PRR3	7.52E-05	-0.27297	0	0.104	1 Undiff-G	PRR3
KCNMB1	7.52E-05	-0.48705	0	0.104	1 Undiff-G	KCNMB1
SERPING1	7.53E-05	1.22101	0.316	0.233	1 Undiff-G	SERPING1
NUP50	7.56E-05	-0.22189	0.007	0.118	1 Undiff-G	NUP50
UBXN7	7.57E-05	-0.26403	0.007	0.118	1 Undiff-G	UBXN7
SH3PXD2B	7.59E-05	-0.11861	0.007	0.118	1 Undiff-G	SH3PXD2B
SNHG15	7.60E-05	0.404723	0.066	0.224	1 Undiff-G	SNHG15
S100A10	7.62E-05	1.192475	0.485	0.545	1 Undiff-G	S100A10
QPRT	7.63E-05	-0.39187	0.007	0.116	1 Undiff-G	QPRT
ZNF268	7.65E-05	-0.15512	0.007	0.118	1 Undiff-G	ZNF268
UBQLN4	7.69E-05	-0.25588	0	0.104	1 Undiff-G	UBQLN4
CDKN2A	7.69E-05	-0.44631	0	0.104	1 Undiff-G	CDKN2A
NSMF	7.70E-05	-0.23378	0.007	0.118	1 Undiff-G	NSMF
ATG9A	7.71E-05	-0.24948	0.007	0.118	1 Undiff-G	ATG9A
ENO2	7.72E-05	0.609941	0.103	0.286	1 Undiff-G	ENO2
RBM47	7.72E-05	-0.30737	0.007	0.118	1 Undiff-G	RBM47
TMEM255A	7.75E-05	-0.25166	0	0.103	1 Undiff-G	TMEM255A
TMOD3	7.78E-05	0.111193	0.022	0.145	1 Undiff-G	TMOD3
RCE1	7.78E-05	-0.26744	0.015	0.13	1 Undiff-G	RCE1
METTL21A	7.81E-05	0.266253	0.044	0.185	1 Undiff-G	METTL21A
RNASE1	7.85E-05	-0.20415	0.037	0.171	1 Undiff-G	RNASE1
LGR4	7.87E-05	-0.20635	0	0.103	1 Undiff-G	LGR4
DENND6B	7.87E-05	-0.34956	0	0.103	1 Undiff-G	DENND6B
PLEKH02	7.87E-05	-0.36057	0	0.103	1 Undiff-G	PLEKH02
TFE3	7.88E-05	-0.12119	0.007	0.118	1 Undiff-G	TFE3
FHIT	7.93E-05	-0.27357	0.007	0.118	1 Undiff-G	FHIT
CEPT1	7.94E-05	-0.11939	0.029	0.157	1 Undiff-G	CEPT1
CDK17	7.94E-05	-0.21729	0.007	0.118	1 Undiff-G	CDK17
NT5C2	7.94E-05	-0.31776	0.015	0.131	1 Undiff-G	NT5C2
NSMAF	7.96E-05	-0.2521	0.007	0.118	1 Undiff-G	NSMAF
GPN2	7.97E-05	-0.29788	0.007	0.116	1 Undiff-G	GPN2
SMNDC1	7.98E-05	-0.28093	0.007	0.117	1 Undiff-G	SMNDC1
MDM4	7.99E-05	0.225826	0.081	0.248	1 Undiff-G	MDM4
HDAC8	7.99E-05	-0.2907	0	0.103	1 Undiff-G	HDAC8
GTF2IRD2	8.00E-05	-0.26974	0.007	0.117	1 Undiff-G	GTF2IRD2
DPH2	8.00E-05	-0.2492	0.007	0.117	1 Undiff-G	DPH2
PRRC1	8.01E-05	-0.13179	0.007	0.118	1 Undiff-G	PRRC1
ZSCAN21	8.05E-05	-0.27514	0	0.103	1 Undiff-G	ZSCAN21

NAP1L3	8.05E-05	-0.31032	0	0.103	1 Undiff-G	NAP1L3
NOM1	8.06E-05	-0.25555	0.007	0.117	1 Undiff-G	NOM1
RBL2	8.07E-05	-0.25521	0.015	0.131	1 Undiff-G	RBL2
NCAPH2	8.08E-05	-0.17038	0.015	0.131	1 Undiff-G	NCAPH2
PALD1	8.11E-05	-0.42635	0	0.103	1 Undiff-G	PALD1
TRIM16	8.15E-05	-0.21788	0.015	0.131	1 Undiff-G	TRIM16
DLX6-AS1	8.16E-05	-0.45606	0.015	0.131	1 Undiff-G	DLX6-AS1
SEC16A	8.17E-05	-0.25634	0.007	0.117	1 Undiff-G	SEC16A
KBTBD2	8.17E-05	-0.28463	0.007	0.116	1 Undiff-G	KBTBD2
ZSWIM2	8.18E-05	0.302351	0.007	0	1 Undiff-G	ZSWIM2
ELSPBP1	8.18E-05	0.258194	0.007	0	1 Undiff-G	ELSPBP1
CRTC3	8.20E-05	-0.26648	0.007	0.117	1 Undiff-G	CRTC3
SEC14L2	8.23E-05	-0.26525	0.007	0.116	1 Undiff-G	SEC14L2
SAV1	8.24E-05	-0.26926	0	0.103	1 Undiff-G	SAV1
RTN1	8.29E-05	-0.11968	0.022	0.145	1 Undiff-G	RTN1
SERP2	8.30E-05	-0.29849	0	0.103	1 Undiff-G	SERP2
HIBCH	8.36E-05	0.406965	0.081	0.246	1 Undiff-G	HIBCH
PML	8.36E-05	-0.27564	0	0.103	1 Undiff-G	PML
NCF2	8.36E-05	-0.42844	0	0.103	1 Undiff-G	NCF2
SPHK2	8.38E-05	-0.26596	0.015	0.129	1 Undiff-G	SPHK2
DOLPP1	8.43E-05	-0.27751	0	0.103	1 Undiff-G	DOLPP1
DNAJC11	8.43E-05	-0.30475	0	0.103	1 Undiff-G	DNAJC11
BAK1	8.43E-05	-0.17592	0.007	0.117	1 Undiff-G	BAK1
CCDC126	8.48E-05	-0.26007	0.007	0.117	1 Undiff-G	CCDC126
NAB2	8.48E-05	-0.13027	0.022	0.143	1 Undiff-G	NAB2
HOXA7	8.49E-05	-0.35866	0	0.102	1 Undiff-G	HOXA7
C1orf216	8.50E-05	-0.24731	0.015	0.129	1 Undiff-G	C1orf216
DHX38	8.52E-05	-0.25321	0.007	0.117	1 Undiff-G	DHX38
ABCB8	8.54E-05	-0.21503	0.022	0.143	1 Undiff-G	ABCB8
CX3CR1	8.56E-05	-0.49289	0	0.102	1 Undiff-G	CX3CR1
RRP15	8.60E-05	0.424358	0.066	0.222	1 Undiff-G	RRP15
PLEKHA2	8.61E-05	-0.29776	0.007	0.115	1 Undiff-G	PLEKHA2
JMY	8.62E-05	-0.24716	0	0.102	1 Undiff-G	JMY
CENPF	8.62E-05	-0.4139	0	0.102	1 Undiff-G	CENPF
ACAD9	8.65E-05	-0.23842	0.007	0.117	1 Undiff-G	ACAD9
CDC42EP1	8.67E-05	-0.27341	0.015	0.129	1 Undiff-G	CDC42EP1
YLPM1	8.67E-05	-0.26122	0.007	0.116	1 Undiff-G	YLPM1
TMEM184C	8.69E-05	-0.25217	0	0.102	1 Undiff-G	TMEM184C
MYLIP	8.74E-05	-0.20702	0.015	0.13	1 Undiff-G	MYLIP
NOM01	8.75E-05	-0.25548	0	0.102	1 Undiff-G	NOM01
NKAIN4	8.75E-05	-0.42027	0	0.102	1 Undiff-G	NKAIN4
KRBOX4	8.76E-05	-0.19745	0.007	0.117	1 Undiff-G	KRBOX4
MBD6	8.77E-05	-0.36092	0.022	0.14	1 Undiff-G	MBD6
ATMIN	8.77E-05	-0.10343	0.007	0.117	1 Undiff-G	ATMIN
RIN3	8.78E-05	-0.36117	0.007	0.116	1 Undiff-G	RIN3
SNAP25	8.78E-05	-0.15149	0.022	0.144	1 Undiff-G	SNAP25
KIAA1586	8.79E-05	-0.26626	0.007	0.116	1 Undiff-G	KIAA1586
INPP4A	8.82E-05	-0.28753	0	0.102	1 Undiff-G	INPP4A
ZNF33A	8.82E-05	-0.31622	0	0.102	1 Undiff-G	ZNF33A
C10orf11	8.82E-05	-0.38229	0	0.102	1 Undiff-G	C10orf11
TNFRSF14	8.83E-05	-0.19417	0.007	0.116	1 Undiff-G	TNFRSF14

IFT43	8.92E-05	0.69303	0.088	0.259	1 Undiff-G IFT43
NUDCD1	8.96E-05	-0.26985	0	0.102	1 Undiff-G NUDCD1
AAGAB	8.96E-05	-0.14179	0.007	0.116	1 Undiff-G AAGAB
NUFIP1	8.97E-05	-0.12347	0.007	0.116	1 Undiff-G NUFIP1
MAP1B	8.99E-05	0.418545	0.243	0.537	1 Undiff-G MAP1B
RYBP	9.03E-05	-0.21946	0.007	0.116	1 Undiff-G RYBP
RP11-25K1	9.16E-05	-0.24667	0	0.102	1 Undiff-G RP11-25K19.1
DENND3	9.16E-05	-0.42497	0	0.102	1 Undiff-G DENND3
LCP2	9.17E-05	-0.32772	0.007	0.116	1 Undiff-G LCP2
RIN2	9.21E-05	-0.3861	0.015	0.127	1 Undiff-G RIN2
SLC38A1	9.22E-05	-0.27054	0.022	0.143	1 Undiff-G SLC38A1
PRKCZ	9.23E-05	-0.26693	0	0.102	1 Undiff-G PRKCZ
PCMTD1	9.28E-05	-0.12178	0.029	0.154	1 Undiff-G PCMTD1
CUEDC1	9.28E-05	-0.2229	0.007	0.116	1 Undiff-G CUEDC1
FAM189B	9.30E-05	-0.25187	0	0.101	1 Undiff-G FAM189B
C3orf70	9.30E-05	-0.26653	0	0.101	1 Undiff-G C3orf70
MTFMT	9.30E-05	-0.27239	0	0.101	1 Undiff-G MTFMT
C1QL1	9.33E-05	-0.25111	0.007	0.116	1 Undiff-G C1QL1
BCL6	9.36E-05	-0.23731	0.015	0.129	1 Undiff-G BCL6
SIK1	9.37E-05	-0.40305	0	0.101	1 Undiff-G SIK1
NOL10	9.38E-05	0.220273	0.029	0.156	1 Undiff-G NOL10
VWA9	9.41E-05	0.137981	0.015	0.13	1 Undiff-G VWA9
ABHD14B	9.41E-05	0.274146	0.044	0.181	1 Undiff-G ABHD14B
PCGF3	9.43E-05	-0.21765	0.007	0.116	1 Undiff-G PCGF3
DBT	9.44E-05	-0.27584	0	0.101	1 Undiff-G DBT
HMBOX1	9.47E-05	0.111862	0.051	0.194	1 Undiff-G HMBOX1
FDXR	9.50E-05	-0.27358	0.007	0.115	1 Undiff-G FDXR
FGFBP3	9.52E-05	-0.23745	0	0.101	1 Undiff-G FGFBP3
SLMAP	9.55E-05	-0.19819	0.015	0.128	1 Undiff-G SLMAP
PRDM1	9.59E-05	-0.41669	0	0.101	1 Undiff-G PRDM1
RBM4B	9.62E-05	0.396887	0.051	0.193	1 Undiff-G RBM4B
LPGAT1	9.64E-05	-0.12127	0.015	0.129	1 Undiff-G LPGAT1
SYT1	9.66E-05	-0.40829	0	0.101	1 Undiff-G SYT1
PIK3C2A	9.67E-05	-0.11513	0.022	0.141	1 Undiff-G PIK3C2A
CTB-3102C	9.67E-05	-0.23242	0.007	0.115	1 Undiff-G CTB-31020.2
FOXK1	9.67E-05	-0.27116	0.015	0.128	1 Undiff-G FOXK1
TBC1D10B	9.74E-05	-0.25411	0	0.101	1 Undiff-G TBC1D10B
EFNB2	9.88E-05	-0.20159	0	0.101	1 Undiff-G EFNB2
CMTM5	9.88E-05	-0.50644	0	0.101	1 Undiff-G CMTM5
F3	9.92E-05	-0.12868	0.051	0.193	1 Undiff-G F3
ANKRD26	9.94E-05	-0.24189	0.007	0.115	1 Undiff-G ANKRD26
JAZF1	9.95E-05	-0.24528	0.007	0.115	1 Undiff-G JAZF1
COG5	9.96E-05	-0.26986	0	0.101	1 Undiff-G COG5
DNAJC14	9.96E-05	-0.27891	0	0.101	1 Undiff-G DNAJC14
CDKN1C	9.97E-05	-0.14749	0.007	0.115	1 Undiff-G CDKN1C
SLC35F5	9.97E-05	-0.10226	0.022	0.141	1 Undiff-G SLC35F5
CEP78	0.0001	-0.22546	0.007	0.115	1 Undiff-G CEP78
ZDHHC9	0.0001	0.390102	0.037	0.169	1 Undiff-G ZDHHC9
GINS2	0.0001	-0.30341	0	0.101	1 Undiff-G GINS2
GADD45A	0.000101	0.447245	0.103	0.281	1 Undiff-G GADD45A
CASC15	0.000101	-0.3069	0	0.1	1 Undiff-G CASC15

PCDH9	0.000101	0.25199	0.088	0.257	1 Undiff-G	PCDH9
EFHC1	0.000101	0.267571	0.059	0.207	1 Undiff-G	EFHC1
HDAC6	0.000101	-0.2192	0.007	0.115	1 Undiff-G	HDAC6
C18orf8	0.000102	-0.19586	0.007	0.115	1 Undiff-G	C18orf8
FBX028	0.000102	-0.2598	0	0.1	1 Undiff-G	FBX028
DDX59	0.000102	-0.26537	0	0.1	1 Undiff-G	DDX59
STAM	0.000102	-0.27415	0	0.1	1 Undiff-G	STAM
TCN2	0.000102	-0.35482	0	0.1	1 Undiff-G	TCN2
PEX26	0.000102	-0.26723	0.007	0.114	1 Undiff-G	PEX26
OTUD4	0.000103	-0.21384	0	0.1	1 Undiff-G	OTUD4
FAM168A	0.000103	-0.10654	0.015	0.128	1 Undiff-G	FAM168A
CYFIP2	0.000103	-0.1532	0.007	0.115	1 Undiff-G	CYFIP2
SNX24	0.000103	-0.18564	0.015	0.127	1 Undiff-G	SNX24
ERI1	0.000103	-0.27938	0.007	0.114	1 Undiff-G	ERI1
TMCC1	0.000103	-0.20501	0.007	0.115	1 Undiff-G	TMCC1
ALG1	0.000103	-0.25112	0.007	0.115	1 Undiff-G	ALG1
POM121C	0.000104	-0.13945	0.022	0.142	1 Undiff-G	POM121C
BCL2L12	0.000104	0.112884	0.015	0.128	1 Undiff-G	BCL2L12
CEP85L	0.000104	-0.24828	0.007	0.114	1 Undiff-G	CEP85L
POLR3D	0.000104	-0.25632	0.015	0.127	1 Undiff-G	POLR3D
KLHL13	0.000104	-0.23039	0	0.1	1 Undiff-G	KLHL13
PGGT1B	0.000104	-0.29148	0	0.1	1 Undiff-G	PGGT1B
TRMT6	0.000104	0.400731	0.044	0.18	1 Undiff-G	TRMT6
ADO	0.000105	-0.1269	0.015	0.127	1 Undiff-G	ADO
KIAA0355	0.000105	-0.13888	0.029	0.153	1 Undiff-G	KIAA0355
LRRC37B	0.000105	-0.24041	0.007	0.114	1 Undiff-G	LRRC37B
SPRED2	0.000105	-0.17913	0.007	0.114	1 Undiff-G	SPRED2
MAPK8	0.000105	-0.25705	0	0.1	1 Undiff-G	MAPK8
PYGL	0.000105	0.242597	0.051	0.194	1 Undiff-G	PYGL
CWC22	0.000105	0.106221	0.015	0.128	1 Undiff-G	CWC22
SLC1A5	0.000106	-0.31745	0.022	0.139	1 Undiff-G	SLC1A5
PWWP2A	0.000106	-0.21643	0.015	0.128	1 Undiff-G	PWWP2A
CSRNP3	0.000106	-0.31866	0	0.1	1 Undiff-G	CSRNP3
ID3	0.000106	0.382645	0.096	0.266	1 Undiff-G	ID3
ZDHHC21	0.000107	-0.25182	0	0.1	1 Undiff-G	ZDHHC21
RNF170	0.000107	0.141275	0.037	0.166	1 Undiff-G	RNF170
CENPQ	0.000107	-0.25462	0	0.1	1 Undiff-G	CENPQ
SLC25A24	0.000107	-0.26836	0	0.1	1 Undiff-G	SLC25A24
MILR1	0.000107	-0.47717	0	0.1	1 Undiff-G	MILR1
NUP54	0.000108	0.437222	0.044	0.179	1 Undiff-G	NUP54
GPX3	0.000108	-0.15867	0.029	0.154	1 Undiff-G	GPX3
SLC33A1	0.000108	-0.1237	0.015	0.128	1 Undiff-G	SLC33A1
STRBP	0.000108	-0.18332	0.015	0.128	1 Undiff-G	STRBP
WWOX	0.000108	-0.28713	0	0.1	1 Undiff-G	WWOX
ASXL2	0.000109	-0.27179	0	0.1	1 Undiff-G	ASXL2
RBMXL1	0.000111	0.307872	0.029	0.155	1 Undiff-G	RBMXL1
FXN	0.000111	-0.26228	0.007	0.114	1 Undiff-G	FXN
NEDD4L	0.000111	-0.25273	0.007	0.114	1 Undiff-G	NEDD4L
PLXND1	0.000112	-0.35228	0	0.099	1 Undiff-G	PLXND1
POLR2D	0.000112	0.149783	0.022	0.14	1 Undiff-G	POLR2D
OTUD1	0.000112	-0.40069	0	0.099	1 Undiff-G	OTUD1



POLR1E	0.000113	-0.25105	0.007	0.113	1 Undiff-G POLR1E
SLC2A4RG	0.000113	-0.21586	0.015	0.127	1 Undiff-G SLC2A4RG
KIF1A	0.000113	-0.19565	0.015	0.127	1 Undiff-G KIF1A
TCHP	0.000114	-0.24934	0.007	0.113	1 Undiff-G TCHP
TOMM70A	0.000114	-0.18805	0.015	0.126	1 Undiff-G TOMM70A
NECAB3	0.000115	-0.20403	0	0.099	1 Undiff-G NECAB3
LONRF1	0.000115	-0.21781	0	0.099	1 Undiff-G LONRF1
ATG4C	0.000115	-0.1107	0.022	0.14	1 Undiff-G ATG4C
PSEN2	0.000115	-0.24833	0.007	0.113	1 Undiff-G PSEN2
INO80C	0.000116	0.309396	0.037	0.167	1 Undiff-G INO80C
SFRP1	0.000116	-0.22584	0	0.099	1 Undiff-G SFRP1
KLF13	0.000116	-0.24595	0.015	0.127	1 Undiff-G KLF13
SPAST	0.000116	-0.22804	0.007	0.113	1 Undiff-G SPAST
DGCR2	0.000116	0.11609	0.029	0.154	1 Undiff-G DGCR2
MAP2K4	0.000117	-0.22572	0	0.099	1 Undiff-G MAP2K4
IER5L	0.000117	-0.24407	0	0.099	1 Undiff-G IER5L
QRSL1	0.000117	-0.11552	0.015	0.127	1 Undiff-G QRSL1
FRS2	0.000118	-0.31128	0.007	0.113	1 Undiff-G FRS2
ELOVL2	0.000118	-0.22566	0	0.099	1 Undiff-G ELOVL2
ARNT2	0.000118	-0.2352	0.007	0.112	1 Undiff-G ARNT2
RP4-665J2	0.000118	-0.16354	0.015	0.127	1 Undiff-G RP4-665J23.1
ZNF708	0.000119	-0.25785	0	0.099	1 Undiff-G ZNF708
CEP70	0.000119	-0.26681	0	0.099	1 Undiff-G CEP70
ZNF703	0.000119	-0.2866	0	0.099	1 Undiff-G ZNF703
SLC8B1	0.000119	-0.30795	0	0.099	1 Undiff-G SLC8B1
NUP35	0.000119	-0.10386	0.007	0.113	1 Undiff-G NUP35
MAN2A1	0.000119	-0.3368	0.007	0.112	1 Undiff-G MAN2A1
PHF12	0.000119	-0.25524	0.007	0.112	1 Undiff-G PHF12
PEX14	0.000119	-0.2518	0	0.099	1 Undiff-G PEX14
NOL9	0.000119	-0.26115	0	0.099	1 Undiff-G NOL9
LAS1L	0.00012	-0.1826	0.022	0.139	1 Undiff-G LAS1L
SYNGR1	0.00012	-0.30787	0.007	0.113	1 Undiff-G SYNGR1
VPS8	0.00012	-0.21924	0.007	0.113	1 Undiff-G VPS8
LAMA5	0.00012	-0.20844	0.007	0.113	1 Undiff-G LAMA5
CNEP1R1	0.000121	-0.29399	0.007	0.112	1 Undiff-G CNEP1R1
ZNF302	0.000121	0.488872	0.125	0.317	1 Undiff-G ZNF302
MAP3K1	0.000121	-0.25156	0	0.098	1 Undiff-G MAP3K1
HLA-DQB2	0.000122	-0.63212	0	0.098	1 Undiff-G HLA-DQB2
SRSF10	0.000122	0.459249	0.081	0.242	1 Undiff-G SRSF10
ATP11A	0.000123	-0.26131	0	0.098	1 Undiff-G ATP11A
KATNA1	0.000124	0.104826	0.022	0.14	1 Undiff-G KATNA1
TRIM11	0.000124	-0.2613	0	0.098	1 Undiff-G TRIM11
PDGFA	0.000124	-0.30823	0	0.098	1 Undiff-G PDGFA
ASB3	0.000124	0.568942	0.029	0.005	1 Undiff-G ASB3
TMEM168	0.000125	-0.26479	0.007	0.112	1 Undiff-G TMEM168
EPSTI1	0.000125	-0.26035	0.015	0.126	1 Undiff-G EPSTI1
ACO1	0.000125	-0.2629	0	0.098	1 Undiff-G ACO1
ARHGAP15	0.000125	-0.4367	0	0.098	1 Undiff-G ARHGAP15
FOXJ3	0.000125	-0.14205	0.007	0.112	1 Undiff-G FOXJ3
FAM221A	0.000125	0.426644	0.044	0.179	1 Undiff-G FAM221A
ZNF160	0.000126	-0.23328	0.007	0.112	1 Undiff-G ZNF160

ARSJ	0.000126	-0.21839	0.015	0.126	1 Undiff-G ARSJ
MAPK7	0.000126	0.14397	0.015	0.126	1 Undiff-G MAPK7
DCLK1	0.000126	0.10766	0.029	0.153	1 Undiff-G DCLK1
NPM1	0.000127	0.478299	0.382	0.874	1 Undiff-G NPM1
GLDN	0.000127	-0.41538	0	0.098	1 Undiff-G GLDN
FTSJ1	0.000127	-0.193	0.022	0.138	1 Undiff-G FTSJ1
NCALD	0.000128	-0.19447	0.015	0.126	1 Undiff-G NCALD
PREP	0.000128	-0.26415	0	0.098	1 Undiff-G PREP
EID2	0.000128	-0.19649	0.007	0.112	1 Undiff-G EID2
SLC35A3	0.000128	-0.26931	0.015	0.124	1 Undiff-G SLC35A3
ZNF385D	0.000128	-0.24527	0.007	0.112	1 Undiff-G ZNF385D
CPT2	0.000129	-0.21858	0.007	0.112	1 Undiff-G CPT2
PIGQ	0.000129	-0.23226	0.007	0.112	1 Undiff-G PIGQ
PRMT5	0.00013	0.139785	0.029	0.152	1 Undiff-G PRMT5
PACS1	0.00013	-0.25493	0	0.098	1 Undiff-G PACS1
TFB1M	0.00013	-0.26797	0	0.098	1 Undiff-G TFB1M
ZNF48	0.000131	-0.224	0	0.098	1 Undiff-G ZNF48
CPXM1	0.000131	-0.19392	0.015	0.125	1 Undiff-G CPXM1
RC3H2	0.000132	-0.24199	0	0.097	1 Undiff-G RC3H2
IGF2R	0.000132	-0.24548	0	0.097	1 Undiff-G IGF2R
ATL3	0.000132	0.151681	0.022	0.139	1 Undiff-G ATL3
ASUN	0.000133	-0.23277	0.007	0.112	1 Undiff-G ASUN
MAP6	0.000133	-0.21808	0	0.097	1 Undiff-G MAP6
DUSP2	0.000133	-0.43522	0.007	0.112	1 Undiff-G DUSP2
CDC42EP3	0.000134	-0.1979	0.015	0.125	1 Undiff-G CDC42EP3
ARIH1	0.000134	-0.28255	0	0.097	1 Undiff-G ARIH1
ZRSR2	0.000134	-0.25672	0.015	0.125	1 Undiff-G ZRSR2
LNPEP	0.000134	-0.22434	0.015	0.125	1 Undiff-G LNPEP
SFXN5	0.000135	0.22749	0.051	0.19	1 Undiff-G SFXN5
WDR20	0.000135	0.194209	0.022	0.139	1 Undiff-G WDR20
ZNF280D	0.000135	-0.18715	0.015	0.125	1 Undiff-G ZNF280D
FAM219B	0.000136	-0.17014	0.029	0.151	1 Undiff-G FAM219B
SPRYD7	0.000136	0.335557	0.044	0.178	1 Undiff-G SPRYD7
RABGAP1L	0.000136	-0.33887	0.007	0.111	1 Undiff-G RABGAP1L
CHFR	0.000136	-0.24702	0.015	0.124	1 Undiff-G CHFR
PPOX	0.000136	-0.27588	0.007	0.11	1 Undiff-G PPOX
TMOD2	0.000136	-0.1902	0.007	0.111	1 Undiff-G TMOD2
LAMP5	0.000137	-0.25718	0.007	0.11	1 Undiff-G LAMP5
PNMAL1	0.000137	-0.23995	0	0.097	1 Undiff-G PNMAL1
LPXN	0.000137	-0.34957	0.007	0.111	1 Undiff-G LPXN
KPNA1	0.000137	0.231643	0.037	0.165	1 Undiff-G KPNA1
GTF2IRD2E	0.000137	-0.23201	0.022	0.138	1 Undiff-G GTF2IRD2B
NAF1	0.000138	-0.31907	0.007	0.111	1 Undiff-G NAF1
SMG7	0.000138	-0.24206	0	0.097	1 Undiff-G SMG7
SCAMP5	0.000138	-0.24322	0	0.097	1 Undiff-G SCAMP5
TARSL2	0.000138	-0.23049	0.007	0.111	1 Undiff-G TARSL2
TNKS2	0.000138	-0.25013	0.007	0.111	1 Undiff-G TNKS2
NPHP3	0.000139	-0.26435	0.007	0.11	1 Undiff-G NPHP3
EFNB1	0.000139	-0.26475	0	0.097	1 Undiff-G EFNB1
TYRO3	0.000139	-0.25838	0.007	0.11	1 Undiff-G TYRO3
DIS3	0.00014	0.214756	0.029	0.152	1 Undiff-G DIS3

PARVA	0.00014	-0.20913	0	0.097	1 Undiff-G PARVA
DENND5B	0.00014	-0.24388	0	0.097	1 Undiff-G DENND5B
DTNB	0.00014	-0.26121	0	0.097	1 Undiff-G DTNB
ZBTB43	0.00014	0.13105	0.029	0.151	1 Undiff-G ZBTB43
RBM12	0.000141	-0.19727	0.015	0.124	1 Undiff-G RBM12
RELB	0.000141	-0.23932	0	0.097	1 Undiff-G RELB
MCF2L	0.000141	-0.30194	0	0.097	1 Undiff-G MCF2L
MBNL2	0.000141	-0.32173	0	0.097	1 Undiff-G MBNL2
C9orf9	0.000142	-0.11502	0.007	0.111	1 Undiff-G C9orf9
LRRC4C	0.000143	-0.3029	0	0.097	1 Undiff-G LRRC4C
KIF5A	0.000144	-0.27599	0.015	0.123	1 Undiff-G KIF5A
COG1	0.000145	-0.16666	0.007	0.111	1 Undiff-G COG1
FAM98B	0.000145	-0.23655	0	0.096	1 Undiff-G FAM98B
RFXAP	0.000145	-0.24626	0	0.096	1 Undiff-G RFXAP
SUSD3	0.000145	-0.44	0	0.096	1 Undiff-G SUSD3
DDX39B	0.000146	-0.21696	0.007	0.111	1 Undiff-G DDX39B
CIRBP	0.000146	0.391506	0.382	0.871	1 Undiff-G CIRBP
ASAP2	0.000146	-0.19699	0	0.096	1 Undiff-G ASAP2
TTC28	0.000146	-0.23502	0	0.096	1 Undiff-G TTC28
SEMA4C	0.000146	-0.26536	0	0.096	1 Undiff-G SEMA4C
RMND5A	0.000147	-0.2123	0.015	0.124	1 Undiff-G RMND5A
PPM1D	0.000147	-0.25724	0	0.096	1 Undiff-G PPM1D
KDM3B	0.000148	-0.27228	0.007	0.11	1 Undiff-G KDM3B
WBP1L	0.000148	-0.25508	0.007	0.11	1 Undiff-G WBP1L
TSC2	0.000148	-0.23078	0.022	0.137	1 Undiff-G TSC2
DHX8	0.000149	-0.10627	0.007	0.11	1 Undiff-G DHX8
TSPAN6	0.000149	0.109787	0.029	0.151	1 Undiff-G TSPAN6
AC004158.	0.000149	-0.25616	0.015	0.124	1 Undiff-G AC004158.3
NUP85	0.000149	0.109116	0.015	0.124	1 Undiff-G NUP85
EPC2	0.00015	-0.24252	0	0.096	1 Undiff-G EPC2
DIXDC1	0.00015	-0.25805	0	0.096	1 Undiff-G DIXDC1
GNA12	0.00015	0.259415	0.022	0.138	1 Undiff-G GNA12
GNA15	0.000151	-0.23946	0.007	0.11	1 Undiff-G GNA15
KLHL9	0.000151	-0.18403	0.007	0.11	1 Undiff-G KLHL9
TP53INP2	0.000151	-0.25808	0	0.096	1 Undiff-G TP53INP2
C17orf75	0.000151	-0.27529	0	0.096	1 Undiff-G C17orf75
HIP1R	0.000151	-0.27728	0.007	0.11	1 Undiff-G HIP1R
RENBP	0.000151	-0.15035	0.022	0.137	1 Undiff-G RENBP
ITCH	0.000152	-0.25205	0.007	0.11	1 Undiff-G ITCH
MAP2K5	0.000152	-0.24167	0	0.096	1 Undiff-G MAP2K5
CA12	0.000152	0.122282	0.022	0.137	1 Undiff-G CA12
HNRNPL	0.000153	0.396281	0.096	0.266	1 Undiff-G HNRNPL
PARD6A	0.000153	-0.22484	0	0.096	1 Undiff-G PARD6A
AP3M1	0.000153	-0.26637	0	0.096	1 Undiff-G AP3M1
ZNF350	0.000153	-0.29227	0	0.096	1 Undiff-G ZNF350
TNFAIP8L2	0.000153	-0.41087	0	0.096	1 Undiff-G TNFAIP8L2
UIMC1	0.000154	-0.12394	0.007	0.11	1 Undiff-G UIMC1
ZNF768	0.000154	-0.22308	0	0.096	1 Undiff-G ZNF768
RNF38	0.000154	-0.24647	0	0.096	1 Undiff-G RNF38
MCC	0.000154	-0.21318	0.015	0.123	1 Undiff-G MCC
HMGCR	0.000155	-0.2134	0.007	0.11	1 Undiff-G HMGCR

ZNF775	0.000155	-0.22812	0	0.096	1 Undiff-G ZNF775
ST3GAL4	0.000156	-0.12438	0.015	0.124	1 Undiff-G ST3GAL4
WDR59	0.000156	-0.2752	0.007	0.109	1 Undiff-G WDR59
NVL	0.000157	-0.25174	0.007	0.11	1 Undiff-G NVL
TANC1	0.000157	-0.21867	0.007	0.109	1 Undiff-G TANC1
PLBD1	0.000158	-0.35977	0	0.095	1 Undiff-G PLBD1
ARHGAP30	0.000158	-0.39294	0	0.095	1 Undiff-G ARHGAP30
CSPG5	0.000158	-0.31825	0.007	0.109	1 Undiff-G CSPG5
AKAP8	0.000159	-0.17398	0.022	0.137	1 Undiff-G AKAP8
SLC1A2	0.000159	-0.16815	0.022	0.137	1 Undiff-G SLC1A2
THBD	0.000159	-0.42774	0	0.095	1 Undiff-G THBD
RBBP9	0.00016	-0.1986	0	0.095	1 Undiff-G RBBP9
CBWD5	0.000161	-0.15725	0.015	0.123	1 Undiff-G CBWD5
ZNF506	0.000161	-0.14351	0.015	0.122	1 Undiff-G ZNF506
ROBO2	0.000161	-0.22394	0.007	0.109	1 Undiff-G ROBO2
ZNF362	0.000161	-0.23592	0	0.095	1 Undiff-G ZNF362
SLC23A2	0.000162	-0.25378	0.007	0.108	1 Undiff-G SLC23A2
SLC25A44	0.000163	-0.25957	0	0.095	1 Undiff-G SLC25A44
STK32C	0.000163	-0.26516	0	0.095	1 Undiff-G STK32C
ODF3B	0.000163	-0.34135	0	0.095	1 Undiff-G ODF3B
CPD	0.000163	0.269363	0.037	0.161	1 Undiff-G CPD
LRIG1	0.000163	-0.21414	0.007	0.109	1 Undiff-G LRIG1
LRRC8D	0.000164	-0.24994	0	0.095	1 Undiff-G LRRC8D
RASA3	0.000164	-0.26948	0	0.095	1 Undiff-G RASA3
ALAD	0.000165	-0.27179	0.007	0.109	1 Undiff-G ALAD
MLLT3	0.000165	-0.25559	0	0.095	1 Undiff-G MLLT3
KIAA1549	0.000165	-0.25633	0	0.095	1 Undiff-G KIAA1549
PLAA	0.000165	-0.26208	0	0.095	1 Undiff-G PLAA
ZMAT1	0.000165	-0.28359	0	0.095	1 Undiff-G ZMAT1
AVPI1	0.000165	-0.37486	0	0.095	1 Undiff-G AVPI1
MIER2	0.000165	-0.21392	0.007	0.109	1 Undiff-G MIER2
PIP5K1C	0.000165	-0.20203	0.007	0.109	1 Undiff-G PIP5K1C
DDX6	0.000166	0.449345	0.059	0.199	1 Undiff-G DDX6
FAM161A	0.000167	-0.17892	0.007	0.109	1 Undiff-G FAM161A
IFIT3	0.000167	-0.20589	0.007	0.109	1 Undiff-G IFIT3
BAG3	0.000167	-0.23054	0.007	0.109	1 Undiff-G BAG3
BACH1	0.000167	-0.27969	0.007	0.109	1 Undiff-G BACH1
POGZ	0.000167	0.306905	0.066	0.212	1 Undiff-G POGZ
RECQL	0.000168	0.110046	0.044	0.174	1 Undiff-G RECQL
ARAP1	0.000169	-0.1763	0.007	0.109	1 Undiff-G ARAP1
RHOU	0.000169	-0.14104	0.022	0.136	1 Undiff-G RHOU
CEP104	0.00017	-0.17092	0.015	0.123	1 Undiff-G CEP104
EXOSC10	0.00017	-0.11825	0.029	0.148	1 Undiff-G EXOSC10
ENTPD4	0.00017	-0.25292	0	0.095	1 Undiff-G ENTPD4
CSGALNACT	0.00017	-0.26909	0	0.095	1 Undiff-G CSGALNACT2
UBE3B	0.000171	-0.20299	0.007	0.109	1 Undiff-G UBE3B
DNAJA3	0.000171	0.167515	0.044	0.175	1 Undiff-G DNAJA3
PGPEP1	0.000171	-0.13919	0.022	0.135	1 Undiff-G PGPEP1
NRBP2	0.000172	-0.20315	0.015	0.122	1 Undiff-G NRBP2
DUSP15	0.000173	-0.19682	0	0.094	1 Undiff-G DUSP15
PKIA	0.000173	-0.31237	0	0.094	1 Undiff-G PKIA

METTL8	0.000173	-0.2639	0.015	0.121	1 Undiff-G	METTL8
CDKAL1	0.000174	-0.26557	0	0.094	1 Undiff-G	CDKAL1
C9orf69	0.000175	-0.21512	0	0.094	1 Undiff-G	C9orf69
DAGLB	0.000175	-0.31372	0.015	0.122	1 Undiff-G	DAGLB
SYP	0.000176	-0.2496	0.022	0.135	1 Undiff-G	SYP
HACL1	0.000176	-0.19749	0.007	0.108	1 Undiff-G	HACL1
MGME1	0.000176	0.237566	0.029	0.149	1 Undiff-G	MGME1
CDK5R1	0.000177	-0.27508	0	0.094	1 Undiff-G	CDK5R1
RP11-472N	0.000177	-0.26905	0.007	0.108	1 Undiff-G	RP11-472N13.3
GPALPP1	0.000177	-0.233	0.015	0.122	1 Undiff-G	GPALPP1
YAE1D1	0.000178	0.214778	0.037	0.161	1 Undiff-G	YAE1D1
HDAC10	0.000179	-0.15837	0.007	0.108	1 Undiff-G	HDAC10
SORBS1	0.000179	-0.20615	0	0.094	1 Undiff-G	SORBS1
ANKZF1	0.000179	-0.18116	0.022	0.135	1 Undiff-G	ANKZF1
DSTYK	0.00018	-0.19219	0.015	0.122	1 Undiff-G	DSTYK
ADA	0.000181	-0.22699	0	0.094	1 Undiff-G	ADA
SNHG12	0.000181	-0.10724	0.022	0.135	1 Undiff-G	SNHG12
METTL1	0.000181	0.337815	0.029	0.149	1 Undiff-G	METTL1
LRP12	0.000182	-0.233	0	0.094	1 Undiff-G	LRP12
SIGLEC9	0.000182	-0.4055	0	0.094	1 Undiff-G	SIGLEC9
TOPBP1	0.000183	-0.22888	0	0.094	1 Undiff-G	TOPBP1
ZWINT	0.000183	-0.30987	0	0.094	1 Undiff-G	ZWINT
ATCAY	0.000184	-0.21949	0.015	0.122	1 Undiff-G	ATCAY
PEX3	0.000184	-0.14411	0.007	0.108	1 Undiff-G	PEX3
KPNA5	0.000185	-0.25311	0	0.094	1 Undiff-G	KPNA5
1-Sep	0.000185	-0.23366	0.007	0.108	1 Undiff-G	1-Sep
HTT	0.000185	-0.10961	0.015	0.122	1 Undiff-G	HTT
CELSR2	0.000186	-0.2315	0	0.094	1 Undiff-G	CELSR2
ASB16-AS1	0.000186	-0.23478	0	0.094	1 Undiff-G	ASB16-AS1
MINPP1	0.000187	-0.15887	0.007	0.108	1 Undiff-G	MINPP1
METTL14	0.000188	-0.24587	0	0.093	1 Undiff-G	METTL14
WIPF3	0.000188	-0.27869	0	0.093	1 Undiff-G	WIPF3
ADRBK1	0.000188	-0.30803	0	0.093	1 Undiff-G	ADRBK1
MXI1	0.000188	-0.23559	0.022	0.134	1 Undiff-G	MXI1
LARP1B	0.000188	-0.19657	0.015	0.121	1 Undiff-G	LARP1B
MNT	0.000189	-0.24829	0	0.093	1 Undiff-G	MNT
ELMSAN1	0.000189	-0.16505	0.022	0.135	1 Undiff-G	ELMSAN1
MT1A	0.000189	0.973258	0.081	0.029	1 Undiff-G	MT1A
PTRF	0.000189	0.426995	0.051	0.187	1 Undiff-G	PTRF
DIP2B	0.00019	-0.21593	0.015	0.12	1 Undiff-G	DIP2B
MAK16	0.00019	-0.22053	0	0.093	1 Undiff-G	MAK16
TRIM14	0.00019	-0.25445	0	0.093	1 Undiff-G	TRIM14
STOX2	0.00019	-0.25832	0	0.093	1 Undiff-G	STOX2
FAM57B	0.00019	-0.2898	0	0.093	1 Undiff-G	FAM57B
TP53TG1	0.000191	0.269227	0.059	0.199	1 Undiff-G	TP53TG1
SLC12A5	0.000192	-0.34181	0	0.093	1 Undiff-G	SLC12A5
HSD17B14	0.000193	-0.37504	0	0.093	1 Undiff-G	HSD17B14
DDHD2	0.000194	-0.24749	0.007	0.107	1 Undiff-G	DDHD2
CRTC1	0.000195	-0.23457	0	0.093	1 Undiff-G	CRTC1
RCSD1	0.000195	-0.28002	0.015	0.121	1 Undiff-G	RCSD1
IL10	0.000196	-0.27502	0.007	0.107	1 Undiff-G	IL10

ZNF609	0.000196	-0.23068	0	0.093	1 Undiff-G ZNF609
ELP4	0.000196	-0.2856	0	0.093	1 Undiff-G ELP4
YTHDC2	0.000196	-0.21792	0.015	0.12	1 Undiff-G YTHDC2
COQ6	0.000197	-0.25583	0.007	0.107	1 Undiff-G COQ6
RAB33A	0.000197	-0.17881	0.007	0.107	1 Undiff-G RAB33A
SSPN	0.000197	-0.28086	0.007	0.107	1 Undiff-G SSPN
TMEM178A	0.000197	-0.24241	0.015	0.12	1 Undiff-G TMEM178A
SMCR5	0.000198	-0.23673	0	0.093	1 Undiff-G SMCR5
SORD	0.000198	-0.25274	0	0.093	1 Undiff-G SORD
SLC17A5	0.000199	-0.2624	0.007	0.107	1 Undiff-G SLC17A5
SMIM8	0.000199	-0.25292	0.007	0.107	1 Undiff-G SMIM8
PTN	0.000199	0.909912	0.515	0.617	1 Undiff-G PTN
TMEM35	0.000199	-0.2874	0	0.093	1 Undiff-G TMEM35
LILRB1	0.000199	-0.39291	0	0.093	1 Undiff-G LILRB1
CSPP1	0.0002	-0.18515	0.007	0.107	1 Undiff-G CSPP1
BEND6	0.000201	-0.18091	0.015	0.12	1 Undiff-G BEND6
OAS1	0.000201	-0.22809	0.022	0.134	1 Undiff-G OAS1
A2M	0.000202	0.501045	0.206	0.467	1 Undiff-G A2M
AUTS2	0.000202	-0.20569	0.015	0.12	1 Undiff-G AUTS2
RASA1	0.000202	-0.2066	0.007	0.107	1 Undiff-G RASA1
ARHGAP26	0.000202	-0.33426	0	0.093	1 Undiff-G ARHGAP26
TUBGCP3	0.000203	-0.26467	0.007	0.106	1 Undiff-G TUBGCP3
AP3M2	0.000204	-0.23258	0	0.092	1 Undiff-G AP3M2
MLLT6	0.000204	-0.15891	0.022	0.133	1 Undiff-G MLLT6
PHTF2	0.000205	-0.27502	0	0.092	1 Undiff-G PHTF2
TYW1	0.000205	-0.18155	0.015	0.12	1 Undiff-G TYW1
GOS2	0.000206	0.186386	0.051	0.186	1 Undiff-G GOS2
SMCO4	0.000207	0.100045	0.022	0.134	1 Undiff-G SMC04
UPF1	0.000207	-0.23532	0	0.092	1 Undiff-G UPF1
KCNE4	0.000207	-0.23068	0.007	0.106	1 Undiff-G KCNE4
NLGN4X	0.000208	-0.20202	0.007	0.107	1 Undiff-G NLGN4X
DEF6	0.000208	-0.36381	0	0.092	1 Undiff-G DEF6
INSR	0.00021	-0.12772	0.029	0.146	1 Undiff-G INSR
KIAA0430	0.00021	-0.24526	0	0.092	1 Undiff-G KIAA0430
ZNF117	0.00021	-0.24182	0.007	0.106	1 Undiff-G ZNF117
MED22	0.000211	-0.18757	0.007	0.106	1 Undiff-G MED22
SCRIB	0.000211	-0.2187	0	0.092	1 Undiff-G SCRIB
KBTBD3	0.000212	-0.22001	0.007	0.106	1 Undiff-G KBTBD3
ZDHHC17	0.000213	-0.11403	0.007	0.106	1 Undiff-G ZDHHC17
HAGHL	0.000213	-0.21871	0.007	0.106	1 Undiff-G HAGHL
FAM219A	0.000213	-0.22844	0	0.092	1 Undiff-G FAM219A
PEX5	0.000213	-0.26288	0	0.092	1 Undiff-G PEX5
ITGAX	0.000213	-0.4195	0	0.092	1 Undiff-G ITGAX
MAGI2	0.000213	-0.24799	0.007	0.106	1 Undiff-G MAGI2
FASTKD2	0.000214	-0.26602	0.007	0.105	1 Undiff-G FASTKD2
MPND	0.000215	-0.18838	0	0.092	1 Undiff-G MPND
ZFX	0.000215	-0.19742	0.015	0.12	1 Undiff-G ZFX
TP53BP2	0.000216	-0.25229	0.007	0.105	1 Undiff-G TP53BP2
PRRT2	0.000216	-0.22334	0	0.092	1 Undiff-G PRRT2
CNKSR3	0.000217	-0.21354	0.015	0.119	1 Undiff-G CNKSR3
CENPU	0.000217	-0.12161	0.007	0.106	1 Undiff-G CENPU

FAM188A	0.000218	-0.23708	0	0.092	1 Undiff-G FAM188A
SAA2	0.000218	1.047951	0.118	0.051	1 Undiff-G SAA2
TICAM1	0.000219	-0.24574	0	0.092	1 Undiff-G TICAM1
FBX034	0.000219	-0.24784	0	0.092	1 Undiff-G FBX034
GNAO1	0.000219	-0.3286	0	0.092	1 Undiff-G GNAO1
EGR3	0.00022	-0.37695	0.007	0.105	1 Undiff-G EGR3
FAM84A	0.00022	-0.1315	0.029	0.146	1 Undiff-G FAM84A
ANTXR1	0.000221	-0.23046	0	0.092	1 Undiff-G ANTXR1
UBAP2	0.000221	-0.2506	0	0.092	1 Undiff-G UBAP2
DYM	0.000221	-0.25957	0	0.092	1 Undiff-G DYM
CCNB1	0.000221	-0.35646	0	0.092	1 Undiff-G CCNB1
RLF	0.000221	-0.21289	0.007	0.106	1 Undiff-G RLF
C17orf10C	0.000223	-0.19913	0	0.091	1 Undiff-G C17orf100
RFX5	0.000224	-0.26109	0.007	0.105	1 Undiff-G RFX5
C8orf76	0.000225	0.188769	0.037	0.159	1 Undiff-G C8orf76
DYNC1I1	0.000225	-0.34778	0.007	0.105	1 Undiff-G DYNC1I1
EMC1	0.000226	0.160039	0.022	0.133	1 Undiff-G EMC1
PDCD2L	0.000226	-0.10023	0.007	0.106	1 Undiff-G PDCD2L
ANKS3	0.000226	-0.11301	0.044	0.17	1 Undiff-G ANKS3
KLHDC8B	0.000228	-0.25686	0.007	0.104	1 Undiff-G KLHDC8B
TOP3A	0.000228	-0.22764	0	0.091	1 Undiff-G TOP3A
SLC39A4	0.000228	-0.35065	0	0.091	1 Undiff-G SLC39A4
PPP1R15B	0.00023	-0.16735	0.015	0.119	1 Undiff-G PPP1R15B
COG2	0.000231	-0.11229	0.015	0.119	1 Undiff-G COG2
VWA5A	0.000231	-0.28124	0	0.091	1 Undiff-G VWA5A
METTL17	0.000232	-0.16423	0.015	0.119	1 Undiff-G METTL17
GSTZ1	0.000232	0.446763	0.037	0.159	1 Undiff-G GSTZ1
OSER1-AS1	0.000233	0.216595	0.022	0.133	1 Undiff-G OSER1-AS1
MINK1	0.000233	-0.21737	0.007	0.105	1 Undiff-G MINK1
PALM	0.000234	-0.19141	0.007	0.105	1 Undiff-G PALM
LRRC42	0.000234	0.144516	0.029	0.146	1 Undiff-G LRRC42
CRISPLD1	0.000235	-0.24557	0	0.091	1 Undiff-G CRISPLD1
CYTIP	0.000235	-0.42128	0.007	0.105	1 Undiff-G CYTIP
UBE20	0.000235	-0.20434	0.015	0.118	1 Undiff-G UBE20
B3GAT1	0.000237	-0.28883	0	0.091	1 Undiff-G B3GAT1
SLC26A2	0.000237	-0.22579	0.007	0.105	1 Undiff-G SLC26A2
ATXN3	0.000237	0.110533	0.037	0.158	1 Undiff-G ATXN3
NSMCE2	0.000237	0.279818	0.037	0.158	1 Undiff-G NSMCE2
ZNF649	0.000238	-0.21079	0	0.091	1 Undiff-G ZNF649
PPP2R2D	0.000238	-0.22168	0	0.091	1 Undiff-G PPP2R2D
AGO1	0.000238	-0.23255	0	0.091	1 Undiff-G AGO1
GKAP1	0.000238	-0.23587	0	0.091	1 Undiff-G GKAP1
IFI44L	0.000239	-0.29421	0.029	0.143	1 Undiff-G IFI44L
FRMD8	0.000239	-0.24108	0.015	0.117	1 Undiff-G FRMD8
NFKB1	0.00024	-0.12093	0.007	0.105	1 Undiff-G NFKB1
PIGH	0.00024	0.480614	0.066	0.21	1 Undiff-G PIGH
GALNT7	0.00024	-0.23278	0	0.091	1 Undiff-G GALNT7
CCNT2	0.000241	-0.25542	0.007	0.104	1 Undiff-G CCNT2
PPFIA3	0.000242	-0.19898	0	0.09	1 Undiff-G PPFIA3
CAAP1	0.000242	-0.22125	0	0.09	1 Undiff-G CAAP1
MYC	0.000242	0.237217	0.044	0.171	1 Undiff-G MYC

C4orf3	0.000243	0.776099	0.294	0.65	1 Undiff-G C4orf3
SACM1L	0.000243	-0.22502	0.022	0.13	1 Undiff-G SACM1L
MPHOSPH9	0.000244	-0.19462	0.015	0.118	1 Undiff-G MPHOSPH9
FASN	0.000244	-0.18984	0.015	0.118	1 Undiff-G FASN
EID2B	0.000244	-0.23244	0	0.09	1 Undiff-G EID2B
PID1	0.000245	-0.21446	0.015	0.118	1 Undiff-G PID1
ZNF503	0.000245	-0.11338	0.007	0.105	1 Undiff-G ZNF503
PRR14L	0.000246	-0.21855	0	0.09	1 Undiff-G PRR14L
HIPK3	0.000246	-0.24989	0	0.09	1 Undiff-G HIPK3
NUP37	0.000246	0.271155	0.022	0.132	1 Undiff-G NUP37
RNF185	0.000247	-0.10329	0.007	0.105	1 Undiff-G RNF185
GMDS	0.000247	-0.22095	0	0.09	1 Undiff-G GMDS
UVRAG	0.000247	-0.25528	0	0.09	1 Undiff-G UVRAG
ESYT2	0.000247	-0.26474	0	0.09	1 Undiff-G ESYT2
HPGDS	0.000251	-0.44058	0	0.09	1 Undiff-G HPGDS
L3MBTL2	0.000251	-0.25739	0.007	0.103	1 Undiff-G L3MBTL2
CSTF1	0.000252	0.134721	0.022	0.132	1 Undiff-G CSTF1
SLC30A1	0.000253	-0.22216	0	0.09	1 Undiff-G SLC30A1
HAUS6	0.000253	-0.23575	0	0.09	1 Undiff-G HAUS6
PPP2R2B	0.000253	0.466478	0.074	0.221	1 Undiff-G PPP2R2B
DIS3L	0.000253	-0.20671	0.007	0.104	1 Undiff-G DIS3L
RRM2B	0.000254	-0.21355	0.007	0.104	1 Undiff-G RRM2B
NR1D2	0.000257	-0.23143	0	0.09	1 Undiff-G NR1D2
CCRL2	0.000257	-0.40893	0	0.09	1 Undiff-G CCRL2
AP5Z1	0.000257	-0.10868	0.022	0.13	1 Undiff-G AP5Z1
EXOG	0.000257	0.232344	0.037	0.157	1 Undiff-G EXOG
EP400	0.000258	-0.14083	0.015	0.118	1 Undiff-G EP400
AGPAT4	0.00026	-0.23916	0.007	0.104	1 Undiff-G AGPAT4
BRF1	0.000261	-0.17655	0.007	0.104	1 Undiff-G BRF1
SYVN1	0.000262	0.161902	0.007	0.104	1 Undiff-G SYVN1
GPR162	0.000262	-0.23947	0.007	0.103	1 Undiff-G GPR162
SOX5	0.000263	-0.23514	0	0.09	1 Undiff-G SOX5
RPS6KB1	0.000263	0.143706	0.022	0.13	1 Undiff-G RPS6KB1
NACC2	0.000263	-0.20036	0.007	0.104	1 Undiff-G NACC2
CLOCK	0.000264	-0.21002	0.022	0.129	1 Undiff-G CLOCK
N4BP1	0.000265	-0.22158	0	0.089	1 Undiff-G N4BP1
RAD17	0.000265	0.226182	0.022	0.131	1 Undiff-G RAD17
TMEM132B	0.000266	-0.21729	0.007	0.103	1 Undiff-G TMEM132B
XRRA1	0.000266	-0.16634	0.022	0.13	1 Undiff-G XRRA1
PTPRF	0.000266	-0.17971	0.015	0.116	1 Undiff-G PTPRF
MAPK8IP3	0.000267	-0.23853	0	0.089	1 Undiff-G MAPK8IP3
CCDC92	0.000267	-0.23584	0.007	0.103	1 Undiff-G CCDC92
ING5	0.000267	-0.1706	0.015	0.117	1 Undiff-G ING5
LAMC1	0.000268	-0.16805	0.007	0.104	1 Undiff-G LAMC1
XPO6	0.000268	-0.21288	0.015	0.116	1 Undiff-G XPO6
ZDHHC6	0.000269	0.267719	0.044	0.169	1 Undiff-G ZDHHC6
RANGAP1	0.000269	-0.20249	0.007	0.104	1 Undiff-G RANGAP1
LRRTM2	0.000269	-0.17759	0.007	0.104	1 Undiff-G LRRTM2
DHRS11	0.00027	-0.12238	0.007	0.104	1 Undiff-G DHRS11
DZIP1	0.00027	-0.16935	0.007	0.103	1 Undiff-G DZIP1
ARL13B	0.00027	0.406622	0.029	0.144	1 Undiff-G ARL13B



RNF103	0.000272	-0.17842	0.007	0.103	1 Undiff-G RNF103
SCFD2	0.000273	-0.24511	0	0.089	1 Undiff-G SCFD2
PCDHB10	0.000273	-0.26083	0.007	0.103	1 Undiff-G PCDHB10
PEG10	0.000274	-0.15007	0.007	0.103	1 Undiff-G PEG10
KIF3C	0.000274	-0.11593	0.007	0.103	1 Undiff-G KIF3C
RP11-284F	0.000274	0.581511	0.037	0.008	1 Undiff-G RP11-284F21.8
EPB41L1	0.000275	-0.20893	0	0.089	1 Undiff-G EPB41L1
GNPNAT1	0.000278	-0.23207	0.007	0.102	1 Undiff-G GNPNAT1
ZNF226	0.000278	0.227658	0.066	0.205	1 Undiff-G ZNF226
LDOC1	0.000279	-0.33693	0	0.089	1 Undiff-G LDOC1
HS3ST1	0.000279	-0.37238	0	0.089	1 Undiff-G HS3ST1
TSEN54	0.000279	-0.22025	0.015	0.116	1 Undiff-G TSEN54
BIN3	0.000279	0.302002	0.037	0.156	1 Undiff-G BIN3
DMWD	0.00028	-0.15277	0.029	0.143	1 Undiff-G DMWD
SCRN3	0.000281	-0.23554	0.007	0.102	1 Undiff-G SCRN3
SGTB	0.000281	-0.21662	0	0.089	1 Undiff-G SGTB
C9orf114	0.000282	0.230438	0.029	0.143	1 Undiff-G C9orf114
RP11-108M	0.000282	-0.15472	0.007	0.103	1 Undiff-G RP11-108M9.4
POFUT2	0.000283	-0.22954	0	0.089	1 Undiff-G POFUT2
FIGN	0.000285	-0.201	0	0.089	1 Undiff-G FIGN
RFC3	0.000285	-0.2402	0	0.089	1 Undiff-G RFC3
BSG	0.000287	0.561913	0.338	0.746	1 Undiff-G BSG
TRIM25	0.000287	-0.21543	0	0.089	1 Undiff-G TRIM25
UEVLD	0.000287	-0.22407	0	0.089	1 Undiff-G UEVLD
MDFI	0.000287	-0.24506	0	0.089	1 Undiff-G MDFI
NLRP3	0.000287	-0.39602	0	0.089	1 Undiff-G NLRP3
MBIP	0.000288	0.428515	0.051	0.181	1 Undiff-G MBIP
NCOA7	0.000288	-0.22733	0.015	0.116	1 Undiff-G NCOA7
SESN1	0.000288	-0.17415	0.007	0.103	1 Undiff-G SESN1
ARL5B	0.000289	-0.23368	0	0.088	1 Undiff-G ARL5B
PHLDB1	0.000292	0.158995	0.029	0.143	1 Undiff-G PHLDB1
HSPA14	0.000292	0.116509	0.029	0.143	1 Undiff-G HSPA14
STK39	0.000292	-0.15192	0.007	0.103	1 Undiff-G STK39
DLX1	0.000292	-0.29229	0.015	0.116	1 Undiff-G DLX1
SFXN4	0.000293	-0.15591	0.015	0.115	1 Undiff-G SFXN4
NINJ2	0.000294	-0.43047	0	0.088	1 Undiff-G NINJ2
FAM98A	0.000294	0.139724	0.029	0.143	1 Undiff-G FAM98A
KIF20B	0.000296	-0.30915	0	0.088	1 Undiff-G KIF20B
ASB1	0.000296	-0.25972	0.007	0.101	1 Undiff-G ASB1
TOX	0.000298	-0.23823	0	0.088	1 Undiff-G TOX
KIAA1551	0.000298	-0.2767	0	0.088	1 Undiff-G KIAA1551
SLC16A10	0.000298	-0.43071	0	0.088	1 Undiff-G SLC16A10
C6orf203	0.000299	0.325645	0.044	0.167	1 Undiff-G C6orf203
CAPN7	0.000299	-0.14208	0.015	0.115	1 Undiff-G CAPN7
MXRA7	0.0003	0.293166	0.044	0.168	1 Undiff-G MXRA7
ZNF217	0.0003	-0.20584	0	0.088	1 Undiff-G ZNF217
FAM210A	0.000301	0.229199	0.029	0.143	1 Undiff-G FAM210A
LSM14B	0.000302	-0.20573	0.007	0.102	1 Undiff-G LSM14B
MIR181A1H	0.000302	-0.31168	0.015	0.114	1 Undiff-G MIR181A1HG
NDST1	0.000303	-0.21439	0	0.088	1 Undiff-G NDST1
ZNF574	0.000303	-0.22555	0	0.088	1 Undiff-G ZNF574

NCKAP5L	0.000304	-0.23444	0.015	0.115	1 Undiff-G NCKAP5L
MEIS1	0.000305	-0.20776	0	0.088	1 Undiff-G MEIS1
FBXL17	0.000305	-0.22429	0	0.088	1 Undiff-G FBXL17
CDH4	0.000307	-0.20549	0	0.088	1 Undiff-G CDH4
SYBU	0.000307	-0.22393	0	0.088	1 Undiff-G SYBU
KBTBD7	0.000307	-0.25145	0	0.088	1 Undiff-G KBTBD7
GRAMD3	0.000307	-0.14627	0.029	0.141	1 Undiff-G GRAMD3
ZNF827	0.000307	-0.1734	0.015	0.116	1 Undiff-G ZNF827
FEM1B	0.000308	-0.22948	0.015	0.115	1 Undiff-G FEM1B
ICAM3	0.00031	-0.15881	0.007	0.102	1 Undiff-G ICAM3
NIN	0.000311	-0.16987	0.022	0.129	1 Undiff-G NIN
LLGL1	0.000311	-0.23045	0.007	0.101	1 Undiff-G LLGL1
ANGEL2	0.000311	-0.24327	0.015	0.114	1 Undiff-G ANGEL2
LIMK2	0.000312	-0.22921	0	0.088	1 Undiff-G LIMK2
MEPCE	0.000312	0.120772	0.022	0.129	1 Undiff-G MEPCE
THOC5	0.000314	-0.249	0	0.087	1 Undiff-G THOC5
AEN	0.000314	-0.27033	0	0.087	1 Undiff-G AEN
GAD1	0.000314	-0.15105	0.015	0.114	1 Undiff-G GAD1
SNX18	0.000314	-0.22836	0.015	0.114	1 Undiff-G SNX18
RC3H1	0.000315	-0.15	0.007	0.102	1 Undiff-G RC3H1
CPSF1	0.000316	-0.24959	0	0.087	1 Undiff-G CPSF1
RP11-51J9	0.000316	0.212498	0.029	0.142	1 Undiff-G RP11-51J9.5
TAGAP	0.000317	-0.30624	0.007	0.102	1 Undiff-G TAGAP
GDAP1L1	0.000317	-0.27486	0.007	0.102	1 Undiff-G GDAP1L1
HDAC9	0.000318	-0.14406	0.022	0.127	1 Undiff-G HDAC9
NIT2	0.000319	0.598662	0.081	0.23	1 Undiff-G NIT2
STK24	0.000319	-0.19178	0.007	0.102	1 Undiff-G STK24
PRMT7	0.000319	-0.2367	0.007	0.101	1 Undiff-G PRMT7
SLC25A22	0.000319	-0.20121	0.015	0.114	1 Undiff-G SLC25A22
EDEM3	0.00032	-0.21157	0.015	0.114	1 Undiff-G EDEM3
PPP3R1	0.00032	-0.21341	0.015	0.114	1 Undiff-G PPP3R1
ZNF462	0.000321	0.128013	0.051	0.178	1 Undiff-G ZNF462
UQCC1	0.000322	0.183288	0.044	0.167	1 Undiff-G UQCC1
FLYWCH1	0.000322	-0.12701	0.007	0.102	1 Undiff-G FLYWCH1
EIF3J-AS1	0.000322	-0.10407	0.022	0.128	1 Undiff-G EIF3J-AS1
HELZ2	0.000323	-0.22694	0.007	0.101	1 Undiff-G HELZ2
NUDT19	0.000323	-0.18475	0.007	0.101	1 Undiff-G NUDT19
POMZP3	0.000323	-0.21737	0	0.087	1 Undiff-G POMZP3
JMJD8	0.000323	-0.27444	0	0.087	1 Undiff-G JMJD8
ARRDC2	0.000323	-0.33567	0	0.087	1 Undiff-G ARRDC2
GPR75-ASE	0.000326	-0.22869	0	0.087	1 Undiff-G GPR75-ASB3
PRC1	0.000326	-0.2938	0	0.087	1 Undiff-G PRC1
DIP2A	0.000327	-0.11923	0.015	0.115	1 Undiff-G DIP2A
ANKRD54	0.000328	0.106025	0.029	0.141	1 Undiff-G ANKRD54
ELL	0.000328	-0.26575	0.007	0.101	1 Undiff-G ELL
ZCCHC8	0.000328	-0.24378	0	0.087	1 Undiff-G ZCCHC8
ARHGAP9	0.000328	-0.34834	0	0.087	1 Undiff-G ARHGAP9
ST3GAL2	0.000328	-0.21625	0.007	0.1	1 Undiff-G ST3GAL2
SMIM13	0.000331	-0.20798	0	0.087	1 Undiff-G SMIM13
FNTB	0.000331	-0.26251	0	0.087	1 Undiff-G FNTB
FKBP9	0.000331	0.33993	0.051	0.178	1 Undiff-G FKBP9

ELM01	0.000331	0.171265	0.059	0.191	1 Undiff-G ELM01
TEFM	0.000333	-0.22187	0.015	0.114	1 Undiff-G TEFM
RDH10	0.000333	-0.2684	0	0.087	1 Undiff-G RDH10
IL6R	0.000333	-0.34741	0	0.087	1 Undiff-G IL6R
BTK	0.000333	-0.35928	0	0.087	1 Undiff-G BTK
ASCC1	0.000334	-0.20863	0.015	0.115	1 Undiff-G ASCC1
FAM160A2	0.000334	-0.16303	0.015	0.115	1 Undiff-G FAM160A2
ARV1	0.000337	0.48809	0.051	0.18	1 Undiff-G ARV1
DSN1	0.000337	-0.23154	0.007	0.101	1 Undiff-G DSN1
FAXC	0.000338	-0.23999	0	0.087	1 Undiff-G FAXC
MVB12B	0.000338	-0.21726	0.007	0.101	1 Undiff-G MVB12B
DCUN1D4	0.00034	-0.21771	0.007	0.101	1 Undiff-G DCUN1D4
GNB1L	0.000341	-0.21819	0	0.087	1 Undiff-G GNB1L
SNCAIP	0.000343	-0.21088	0	0.086	1 Undiff-G SNCAIP
ZZEF1	0.000343	-0.21689	0	0.086	1 Undiff-G ZZEF1
ARAP2	0.000343	-0.25469	0	0.086	1 Undiff-G ARAP2
INF2	0.000343	-0.26842	0	0.086	1 Undiff-G INF2
METTL12	0.000344	0.164351	0.044	0.166	1 Undiff-G METTL12
KDM4A	0.000344	-0.20464	0.015	0.114	1 Undiff-G KDM4A
LRRC27	0.000346	-0.21452	0	0.086	1 Undiff-G LRRC27
TAF1B	0.000346	-0.24376	0	0.086	1 Undiff-G TAF1B
TANGO2	0.000346	-0.27579	0	0.086	1 Undiff-G TANGO2
AGK	0.000347	-0.1373	0.007	0.101	1 Undiff-G AGK
FGF14	0.000348	-0.21285	0	0.086	1 Undiff-G FGF14
HOXC9	0.000348	-0.29849	0	0.086	1 Undiff-G HOXC9
FBLN1	0.000348	-0.32852	0	0.086	1 Undiff-G FBLN1
RABEP2	0.000348	-0.20844	0.007	0.1	1 Undiff-G RABEP2
CLEC5A	0.000349	-0.3368	0.007	0.101	1 Undiff-G CLEC5A
TMBIM4	0.00035	1.022442	0.125	0.058	1 Undiff-G TMBIM4
SLC20A2	0.00035	-0.23907	0.015	0.114	1 Undiff-G SLC20A2
PPP2R5A	0.000351	-0.18595	0.015	0.114	1 Undiff-G PPP2R5A
CUL4B	0.000351	-0.21914	0	0.086	1 Undiff-G CUL4B
ALDH18A1	0.000351	-0.22364	0	0.086	1 Undiff-G ALDH18A1
DIRAS1	0.000352	-0.13627	0.015	0.114	1 Undiff-G DIRAS1
VCL	0.000352	-0.20679	0.007	0.1	1 Undiff-G VCL
MYO5A	0.000353	-0.17808	0.015	0.113	1 Undiff-G MYO5A
SNTA1	0.000354	-0.17472	0	0.086	1 Undiff-G SNTA1
PLXNA1	0.000354	-0.20647	0	0.086	1 Undiff-G PLXNA1
KLHL2	0.000354	-0.23018	0	0.086	1 Undiff-G KLHL2
ZUFSP	0.000354	-0.23676	0	0.086	1 Undiff-G ZUFSP
INPP5D	0.000356	-0.39114	0	0.086	1 Undiff-G INPP5D
BCAT2	0.00036	-0.10888	0.029	0.14	1 Undiff-G BCAT2
C14orf159	0.000361	-0.22201	0.022	0.127	1 Undiff-G C14orf159
ZNF85	0.000362	-0.228	0	0.086	1 Undiff-G ZNF85
ZMIZ2	0.000364	-0.18936	0.007	0.1	1 Undiff-G ZMIZ2
SRBD1	0.000364	-0.24382	0	0.086	1 Undiff-G SRBD1
SNRK	0.000364	-0.2483	0	0.086	1 Undiff-G SNRK
PPP4R1	0.000366	-0.18422	0.015	0.113	1 Undiff-G PPP4R1
SPRTN	0.000367	0.285654	0.022	0.127	1 Undiff-G SPRTN
HK2	0.000367	-0.27783	0	0.086	1 Undiff-G HK2
WDTC1	0.000368	-0.23209	0.007	0.1	1 Undiff-G WDTC1

PITX1	0.00037	-0.15933	0	0.086	1 Undiff-G PITX1
DNAJC25	0.00037	-0.2224	0	0.086	1 Undiff-G DNAJC25
DIP2C	0.00037	-0.24282	0	0.086	1 Undiff-G DIP2C
CYTL1	0.00037	-0.35766	0.015	0.111	1 Undiff-G CYTL1
ZNF227	0.000373	-0.16652	0.007	0.1	1 Undiff-G ZNF227
KCTD10	0.000373	-0.23337	0	0.085	1 Undiff-G KCTD10
P2RY13	0.000373	-0.45584	0	0.085	1 Undiff-G P2RY13
XPNPEP3	0.000373	-0.26377	0.007	0.099	1 Undiff-G XPNPEP3
PSMD5	0.000373	-0.21241	0.015	0.113	1 Undiff-G PSMD5
ATF7IP	0.000374	-0.17942	0.015	0.113	1 Undiff-G ATF7IP
STX17	0.000374	-0.12025	0.015	0.113	1 Undiff-G STX17
HSD17B8	0.000375	-0.27148	0.007	0.099	1 Undiff-G HSD17B8
ZNF430	0.000375	0.385903	0.059	0.191	1 Undiff-G ZNF430
ITGA3	0.000375	-0.15795	0.007	0.1	1 Undiff-G ITGA3
PLEKHA1	0.000376	-0.14111	0.007	0.1	1 Undiff-G PLEKHA1
ARHGFEF26	0.000378	-0.15166	0.022	0.126	1 Undiff-G ARHGFEF26
TRIM8	0.000378	-0.21236	0.007	0.1	1 Undiff-G TRIM8
NTM	0.000379	-0.2983	0.015	0.113	1 Undiff-G NTM
CHN2	0.00038	-0.32027	0.007	0.099	1 Undiff-G CHN2
TRIM41	0.00038	-0.22919	0.007	0.099	1 Undiff-G TRIM41
HOXB2	0.000381	-0.29748	0	0.085	1 Undiff-G HOXB2
TK2	0.000382	-0.132	0.022	0.125	1 Undiff-G TK2
ENTPD8	0.000382	0.259258	0.007	0	1 Undiff-G ENTPD8
MAP1LC3B2	0.000384	-0.32298	0	0.085	1 Undiff-G MAP1LC3B2
KYNU	0.000384	-0.37778	0	0.085	1 Undiff-G KYNU
RPS6KA2	0.000384	-0.23014	0.015	0.113	1 Undiff-G RPS6KA2
NRM	0.000387	-0.23099	0	0.085	1 Undiff-G NRM
CITED1	0.000387	0.370709	0.037	0.152	1 Undiff-G CITED1
KCNIP1	0.000388	-0.15167	0.007	0.099	1 Undiff-G KCNIP1
PEX7	0.000389	-0.19553	0	0.085	1 Undiff-G PEX7
RBM19	0.000389	-0.21116	0	0.085	1 Undiff-G RBM19
SLC22A18	0.000392	-0.19369	0.022	0.125	1 Undiff-G SLC22A18
LILRA2	0.000392	-0.4059	0	0.085	1 Undiff-G LILRA2
SLC9A3R2	0.000395	0.148248	0.015	0.113	1 Undiff-G SLC9A3R2
S100B	0.000395	0.492476	0.25	0.531	1 Undiff-G S100B
PATZ1	0.000395	-0.21824	0	0.085	1 Undiff-G PATZ1
INO80D	0.000395	-0.23512	0	0.085	1 Undiff-G INO80D
CDK2	0.000395	-0.23552	0	0.085	1 Undiff-G CDK2
IRAK4	0.000396	-0.24723	0.007	0.099	1 Undiff-G IRAK4
LSS	0.000396	-0.13022	0.007	0.099	1 Undiff-G LSS
L3HYPDH	0.000396	-0.13875	0.022	0.126	1 Undiff-G L3HYPDH
HEMK1	0.000396	-0.18259	0.015	0.112	1 Undiff-G HEMK1
B4GALT4	0.000399	0.270442	0.029	0.139	1 Undiff-G B4GALT4
UBE4B	0.000399	-0.26982	0.007	0.098	1 Undiff-G UBE4B
WDR25	0.000399	-0.10496	0.007	0.099	1 Undiff-G WDR25
NMT2	0.0004	-0.18668	0.007	0.099	1 Undiff-G NMT2
EPHB2	0.000401	-0.23377	0	0.085	1 Undiff-G EPHB2
UNC5B	0.000401	-0.31624	0	0.085	1 Undiff-G UNC5B
CLK4	0.000401	0.121554	0.044	0.164	1 Undiff-G CLK4
KCNMB4	0.000403	-0.14199	0.022	0.124	1 Undiff-G KCNMB4
INTS6	0.000403	0.173838	0.029	0.139	1 Undiff-G INTS6

DHRS13	0.000404	-0.16841	0.007	0.099	1 Undiff-G DHRS13
AGBL5	0.000404	-0.17905	0	0.085	1 Undiff-G AGBL5
ZNF561	0.000407	-0.20906	0.015	0.112	1 Undiff-G ZNF561
ARHGAP17	0.000407	-0.21923	0	0.084	1 Undiff-G ARHGAP17
KIF1C	0.00041	-0.22073	0	0.084	1 Undiff-G KIF1C
PHRF1	0.00041	-0.22094	0	0.084	1 Undiff-G PHRF1
ACSL4	0.00041	-0.24844	0	0.084	1 Undiff-G ACSL4
PMAIP1	0.00041	-0.44277	0	0.084	1 Undiff-G PMAIP1
PTBP3	0.000412	-0.18501	0.015	0.112	1 Undiff-G PTBP3
AHSA2	0.000413	-0.19244	0.022	0.125	1 Undiff-G AHSA2
BTBD2	0.000413	-0.1907	0.007	0.099	1 Undiff-G BTBD2
KLC4	0.000413	-0.21925	0	0.084	1 Undiff-G KLC4
GCLC	0.000416	-0.25295	0.007	0.098	1 Undiff-G GCLC
ZNF253	0.000416	-0.21981	0	0.084	1 Undiff-G ZNF253
UBA6-AS1	0.000416	-0.23692	0	0.084	1 Undiff-G UBA6-AS1
AP1G1	0.000417	0.212292	0.022	0.126	1 Undiff-G AP1G1
BRMS1L	0.000417	-0.1329	0.007	0.099	1 Undiff-G BRMS1L
FN3K	0.000419	-0.23299	0	0.084	1 Undiff-G FN3K
NFIL3	0.000419	-0.30967	0	0.084	1 Undiff-G NFIL3
FKBP10	0.000422	0.191244	0.074	0.214	1 Undiff-G FKBP10
GPR161	0.000423	-0.20758	0	0.084	1 Undiff-G GPR161
HAUS8	0.000423	-0.24988	0	0.084	1 Undiff-G HAUS8
INTS3	0.000423	-0.2078	0.015	0.111	1 Undiff-G INTS3
RBBP8	0.000426	-0.19668	0	0.084	1 Undiff-G RBBP8
NXT2	0.000426	-0.2038	0	0.084	1 Undiff-G NXT2
PHF10	0.000426	-0.21069	0	0.084	1 Undiff-G PHF10
CCDC159	0.000428	0.24902	0.037	0.15	1 Undiff-G CCDC159
CCDC71	0.000428	-0.16705	0.007	0.098	1 Undiff-G CCDC71
SOS2	0.000429	-0.20943	0	0.084	1 Undiff-G SOS2
DYRK1A	0.000429	-0.20994	0	0.084	1 Undiff-G DYRK1A
ORAOV1	0.000429	-0.22083	0	0.084	1 Undiff-G ORAOV1
RP11-660L	0.000429	0.137966	0.022	0.125	1 Undiff-G RP11-660L16.2
EAF1	0.00043	0.103407	0.022	0.125	1 Undiff-G EAF1
ZNF668	0.000432	-0.20141	0	0.084	1 Undiff-G ZNF668
PHACTR2	0.000432	-0.20394	0	0.084	1 Undiff-G PHACTR2
METRNL	0.000432	-0.32614	0	0.084	1 Undiff-G METRNL
SCIMP	0.000432	-0.36234	0	0.084	1 Undiff-G SCIMP
RP11-242D	0.000433	0.467059	0.029	0.006	1 Undiff-G RP11-242D8.1
MECR	0.000434	0.268375	0.044	0.162	1 Undiff-G MECR
NCBP1	0.000435	-0.21277	0	0.084	1 Undiff-G NCBP1
ZNF266	0.000435	-0.22019	0	0.084	1 Undiff-G ZNF266
ARNTL	0.000436	-0.22763	0.007	0.097	1 Undiff-G ARNTL
FOXRED2	0.000439	-0.196	0	0.084	1 Undiff-G FOXRED2
RGS17	0.00044	0.287534	0.044	0.164	1 Undiff-G RGS17
SLC10A4	0.000441	-0.17435	0.007	0.098	1 Undiff-G SLC10A4
DGCR8	0.000442	-0.20674	0	0.084	1 Undiff-G DGCR8
FAM193A	0.000442	-0.21686	0	0.084	1 Undiff-G FAM193A
CNOT1	0.000444	0.27487	0.037	0.151	1 Undiff-G CNOT1
TRAK1	0.000444	-0.21348	0.007	0.098	1 Undiff-G TRAK1
BICD2	0.000445	-0.231	0	0.083	1 Undiff-G BICD2
RXRA	0.000445	-0.26996	0.007	0.097	1 Undiff-G RXRA

MCM4	0.000446	-0.23658	0.007	0.097	1 Undiff-G MCM4
TRAPPC2	0.000447	-0.23282	0.007	0.097	1 Undiff-G TRAPPC2
TUBGCP4	0.000447	-0.15552	0.022	0.124	1 Undiff-G TUBGCP4
SIN3B	0.000448	-0.22391	0.007	0.097	1 Undiff-G SIN3B
FAHD2B	0.000448	-0.22457	0	0.083	1 Undiff-G FAHD2B
SLC10A3	0.000448	-0.23616	0	0.083	1 Undiff-G SLC10A3
RP11-834C	0.000449	-0.24486	0.007	0.098	1 Undiff-G RP11-834C11.4
CDCA7	0.00045	-0.13601	0.022	0.124	1 Undiff-G CDCA7
METTL10	0.000451	-0.14673	0.015	0.11	1 Undiff-G METTL10
MAPK14	0.000451	-0.19964	0.015	0.111	1 Undiff-G MAPK14
TERF2	0.000452	-0.20953	0	0.083	1 Undiff-G TERF2
MAP6D1	0.000452	-0.23784	0	0.083	1 Undiff-G MAP6D1
SSX2IP	0.000454	-0.16642	0.007	0.097	1 Undiff-G SSX2IP
UBE3C	0.000456	0.106066	0.015	0.111	1 Undiff-G UBE3C
POLG	0.000457	-0.22364	0.007	0.097	1 Undiff-G POLG
C9orf85	0.000458	-0.16644	0.007	0.097	1 Undiff-G C9orf85
GOLGA1	0.000458	-0.2102	0	0.083	1 Undiff-G GOLGA1
NCOA5	0.000458	-0.21323	0	0.083	1 Undiff-G NCOA5
LMBR1	0.000459	-0.11059	0.015	0.111	1 Undiff-G LMBR1
TMED10	0.00046	0.656313	0.287	0.617	1 Undiff-G TMED10
BBS7	0.00046	-0.17737	0.007	0.097	1 Undiff-G BBS7
MRC2	0.00046	0.250118	0.051	0.175	1 Undiff-G MRC2
ERLIN2	0.000461	0.161339	0.022	0.124	1 Undiff-G ERLIN2
RIN1	0.000462	-0.17561	0	0.083	1 Undiff-G RIN1
IFIT2	0.000462	-0.3342	0	0.083	1 Undiff-G IFIT2
MUTYH	0.000462	-0.15437	0.007	0.097	1 Undiff-G MUTYH
HVCN1	0.000463	-0.12525	0.007	0.097	1 Undiff-G HVCN1
POLM	0.000464	-0.19775	0.007	0.097	1 Undiff-G POLM
BBS2	0.000465	0.245077	0.051	0.174	1 Undiff-G BBS2
UTP14C	0.000465	-0.18511	0	0.083	1 Undiff-G UTP14C
PIANP	0.000465	-0.18545	0	0.083	1 Undiff-G PIANP
GMPR	0.000465	-0.21793	0	0.083	1 Undiff-G GMPR
BEX5	0.000466	-0.22584	0.007	0.097	1 Undiff-G BEX5
EBI3	0.000466	-0.2466	0.007	0.097	1 Undiff-G EBI3
FAM111A	0.000466	-0.22401	0.015	0.11	1 Undiff-G FAM111A
GPATCH2	0.000468	0.472692	0.044	0.163	1 Undiff-G GPATCH2
PPARD	0.000468	-0.22518	0.015	0.109	1 Undiff-G PPARD
RNF6	0.000468	0.107036	0.029	0.137	1 Undiff-G RNF6
ARHGAP33	0.000469	-0.22002	0	0.083	1 Undiff-G ARHGAP33
LEAP2	0.000469	-0.26817	0	0.083	1 Undiff-G LEAP2
CCR1	0.000469	-0.35537	0	0.083	1 Undiff-G CCR1
RP11-539L	0.000472	-0.14855	0.007	0.097	1 Undiff-G RP11-539L10.3
MCM3AP	0.000475	-0.23186	0.015	0.109	1 Undiff-G MCM3AP
MYBBP1A	0.000476	-0.19584	0	0.083	1 Undiff-G MYBBP1A
UBA7	0.000476	-0.32912	0	0.083	1 Undiff-G UBA7
VPS11	0.000479	-0.16121	0.007	0.097	1 Undiff-G VPS11
RP11-400F	0.000479	-0.18218	0	0.083	1 Undiff-G RP11-400F19.6
CD2AP	0.000479	-0.21378	0	0.083	1 Undiff-G CD2AP
ZNF669	0.00048	-0.17093	0.007	0.097	1 Undiff-G ZNF669
FOXK2	0.000483	-0.21026	0	0.082	1 Undiff-G FOXK2
LPCAT3	0.000484	0.291012	0.037	0.15	1 Undiff-G LPCAT3

MYL5	0.000485	-0.1843	0.007	0.097	1 Undiff-G MYL5
SCRN2	0.000485	0.389025	0.051	0.174	1 Undiff-G SCRN2
GALNT10	0.000486	-0.26906	0.007	0.096	1 Undiff-G GALNT10
ACSS2	0.000486	-0.19629	0	0.082	1 Undiff-G ACSS2
AC093323.	0.000487	-0.12797	0.007	0.097	1 Undiff-G AC093323.3
ZNF692	0.000488	-0.15264	0.015	0.11	1 Undiff-G ZNF692
PSENEEN	0.000489	0.772531	0.228	0.495	1 Undiff-G PSENEEN
DONSON	0.00049	-0.18501	0	0.082	1 Undiff-G DONSON
KATNAL1	0.00049	-0.19414	0	0.082	1 Undiff-G KATNAL1
RP11-421L	0.00049	-0.23777	0	0.082	1 Undiff-G RP11-421L21.3
ZNF606	0.000494	-0.21018	0	0.082	1 Undiff-G ZNF606
LYL1	0.000494	-0.34383	0	0.082	1 Undiff-G LYL1
TAPBP1	0.000494	0.115537	0.022	0.123	1 Undiff-G TAPBP1
SDCCAG3	0.000496	-0.15506	0.007	0.096	1 Undiff-G SDCCAG3
GPATCH3	0.000497	-0.23221	0	0.082	1 Undiff-G GPATCH3
NAIP	0.000498	-0.1857	0.015	0.11	1 Undiff-G NAIP
SERPINA3	0.000499	0.608856	0.029	0.006	1 Undiff-G SERPINA3
ENTHD2	0.000501	-0.2214	0	0.082	1 Undiff-G ENTHD2
RAB2B	0.000501	-0.23415	0	0.082	1 Undiff-G RAB2B
BCAM	0.000502	0.141564	0.015	0.11	1 Undiff-G BCAM
AGAP2-AS1	0.000502	-0.12565	0.007	0.096	1 Undiff-G AGAP2-AS1
DHX32	0.000505	-0.19364	0	0.082	1 Undiff-G DHX32
FCHSD2	0.000505	-0.27017	0	0.082	1 Undiff-G FCHSD2
GAP43	0.000505	1.106998	0.441	0.467	1 Undiff-G GAP43
LTBR	0.000507	-0.28273	0.007	0.096	1 Undiff-G LTBR
SLC4A4	0.000507	-0.16278	0.015	0.11	1 Undiff-G SLC4A4
TESK1	0.000508	-0.19984	0	0.082	1 Undiff-G TESK1
DIRC2	0.000508	-0.20543	0	0.082	1 Undiff-G DIRC2
TAF1C	0.000508	-0.21963	0	0.082	1 Undiff-G TAF1C
OTUD5	0.00051	0.122607	0.029	0.136	1 Undiff-G OTUD5
PI4KA	0.000511	-0.21979	0.007	0.096	1 Undiff-G PI4KA
REEP1	0.000512	-0.22918	0	0.082	1 Undiff-G REEP1
ZNF250	0.000512	-0.24614	0	0.082	1 Undiff-G ZNF250
ACO09506.	0.000512	-0.25539	0	0.082	1 Undiff-G ACO09506.1
D2HGDH	0.000515	-0.1031	0.015	0.11	1 Undiff-G D2HGDH
SNTB2	0.000516	-0.13904	0.007	0.096	1 Undiff-G SNTB2
CDK8	0.000516	-0.20988	0	0.082	1 Undiff-G CDK8
FAM175B	0.000516	-0.23774	0	0.082	1 Undiff-G FAM175B
NQO1	0.000516	0.20946	0.015	0.11	1 Undiff-G NQO1
TBCK	0.00052	-0.20564	0	0.082	1 Undiff-G TBCK
GABPB1	0.000523	-0.18527	0.015	0.108	1 Undiff-G GABPB1
TMEM185A	0.000524	-0.1898	0	0.082	1 Undiff-G TMEM185A
TNFAIP8L1	0.000524	-0.23751	0	0.082	1 Undiff-G TNFAIP8L1
THAP3	0.000527	0.390565	0.029	0.136	1 Undiff-G THAP3
AHCTF1	0.000528	-0.19914	0	0.081	1 Undiff-G AHCTF1
EMILIN2	0.000528	-0.2446	0	0.081	1 Undiff-G EMILIN2
ADSSL1	0.000528	-0.25204	0	0.081	1 Undiff-G ADSSL1
GTF2A1	0.000528	-0.18041	0.015	0.109	1 Undiff-G GTF2A1
H6PD	0.000531	-0.14516	0.007	0.096	1 Undiff-G H6PD
ACO91729.	0.000531	-0.19744	0	0.081	1 Undiff-G ACO91729.9
SEMA4D	0.000531	-0.34301	0	0.081	1 Undiff-G SEMA4D

STK11	0.000534	-0.17052	0.007	0.095	1 Undiff-G STK11
PRKD2	0.000535	-0.20936	0	0.081	1 Undiff-G PRKD2
JMJD4	0.000535	-0.21586	0	0.081	1 Undiff-G JMJD4
VPS39	0.000539	-0.21848	0	0.081	1 Undiff-G VPS39
PRKCD	0.000539	-0.30271	0	0.081	1 Undiff-G PRKCD
OBSL1	0.000541	0.145109	0.037	0.147	1 Undiff-G OBSL1
ANKS1B	0.000543	-0.27711	0.015	0.109	1 Undiff-G ANKS1B
MYO9A	0.000543	-0.20738	0	0.081	1 Undiff-G MYO9A
RP11-140K	0.000543	-0.23903	0	0.081	1 Undiff-G RP11-140K17.3
LCOR	0.000543	-0.25893	0	0.081	1 Undiff-G LCOR
SCML1	0.000544	-0.29995	0.007	0.095	1 Undiff-G SCML1
CETN3	0.000548	0.253059	0.037	0.148	1 Undiff-G CETN3
MEX3C	0.000548	-0.16668	0.007	0.095	1 Undiff-G MEX3C
FAM57A	0.000549	-0.14987	0.007	0.095	1 Undiff-G FAM57A
ILDR2	0.000551	-0.15824	0	0.081	1 Undiff-G ILDR2
BANP	0.000551	-0.22015	0	0.081	1 Undiff-G BANP
DNAJB5	0.000551	-0.23604	0	0.081	1 Undiff-G DNAJB5
AP001055.	0.000551	-0.36832	0	0.081	1 Undiff-G AP001055.6
NOC3L	0.000552	-0.12207	0.007	0.095	1 Undiff-G NOC3L
DBF4	0.000554	0.149613	0.022	0.122	1 Undiff-G DBF4
MGARP	0.000556	-0.16585	0	0.081	1 Undiff-G MGARP
ZNF232	0.000556	-0.20284	0	0.081	1 Undiff-G ZNF232
SH3TC1	0.000556	-0.35848	0	0.081	1 Undiff-G SH3TC1
ERCC2	0.000558	-0.17324	0.007	0.095	1 Undiff-G ERCC2
TRAF3IP2-	0.00056	-0.21809	0	0.081	1 Undiff-G TRAF3IP2-AS1
ACAP1	0.00056	-0.27447	0	0.081	1 Undiff-G ACAP1
DDX23	0.000562	0.342646	0.044	0.16	1 Undiff-G DDX23
C5orf42	0.000563	-0.13641	0.007	0.095	1 Undiff-G C5orf42
SCARB1	0.000564	0.156762	0.015	0.109	1 Undiff-G SCARB1
VAX2	0.000564	-0.19939	0	0.081	1 Undiff-G VAX2
ZC3H3	0.000564	-0.20666	0	0.081	1 Undiff-G ZC3H3
GGA3	0.000564	-0.216	0	0.081	1 Undiff-G GGA3
PIGG	0.000565	-0.20743	0.007	0.095	1 Undiff-G PIGG
MOB3B	0.000566	-0.22855	0.007	0.095	1 Undiff-G MOB3B
TCF7L2	0.000568	-0.19393	0.007	0.095	1 Undiff-G TCF7L2
ELOVL4	0.000568	-0.20584	0	0.081	1 Undiff-G ELOVL4
NTRK2	0.000571	-0.12825	0.022	0.122	1 Undiff-G NTRK2
CBLL1	0.000571	0.107685	0.015	0.108	1 Undiff-G CBLL1
TLN2	0.000572	-0.22318	0.007	0.095	1 Undiff-G TLN2
LZTS2	0.000572	-0.20521	0	0.08	1 Undiff-G LZTS2
ADAM19	0.000576	-0.19807	0	0.08	1 Undiff-G ADAM19
ZNF789	0.000576	-0.22208	0	0.08	1 Undiff-G ZNF789
AC004540.	0.000576	-0.25652	0	0.08	1 Undiff-G AC004540.5
ELAVL2	0.000576	-0.27898	0	0.08	1 Undiff-G ELAVL2
NME1-NME2	0.000577	-0.14149	0.007	0.095	1 Undiff-G NME1-NME2
LINC00844	0.000577	-0.33273	0.015	0.107	1 Undiff-G LINC00844
ZNF354A	0.00058	0.274855	0.022	0.122	1 Undiff-G ZNF354A
RAB40C	0.000581	-0.19028	0	0.08	1 Undiff-G RAB40C
ZNF133	0.000581	-0.19644	0	0.08	1 Undiff-G ZNF133
DUS4L	0.000581	-0.20639	0	0.08	1 Undiff-G DUS4L
KPTN	0.000581	-0.22509	0	0.08	1 Undiff-G KPTN



FES	0.000581	-0.32809	0	0.08	1 Undiff-G FES
NUP133	0.000585	-0.13061	0.007	0.095	1 Undiff-G NUP133
ORC3	0.000587	-0.11415	0.015	0.107	1 Undiff-G ORC3
ACACA	0.000588	-0.13962	0.007	0.094	1 Undiff-G ACACA
DTX3L	0.000589	-0.21976	0	0.08	1 Undiff-G DTX3L
GABPA	0.000589	-0.22439	0	0.08	1 Undiff-G GABPA
KNSTRN	0.000589	-0.25976	0	0.08	1 Undiff-G KNSTRN
PCNX	0.000592	-0.16415	0.007	0.094	1 Undiff-G PCNX
NOS1AP	0.000594	-0.19403	0	0.08	1 Undiff-G NOS1AP
EIF5AL1	0.000596	0.136121	0.022	0.121	1 Undiff-G EIF5AL1
RARRES3	0.000596	0.385985	0.096	0.245	1 Undiff-G RARRES3
GSAP	0.000598	-0.27886	0	0.08	1 Undiff-G GSAP
LIN7C	0.0006	0.191355	0.022	0.121	1 Undiff-G LIN7C
TMEM69	0.000601	0.332639	0.051	0.17	1 Undiff-G TMEM69
PIAS1	0.000602	0.528982	0.044	0.16	1 Undiff-G PIAS1
CBLN4	0.000603	-0.23539	0	0.08	1 Undiff-G CBLN4
ZNF420	0.000606	0.166038	0.015	0.108	1 Undiff-G ZNF420
TASP1	0.000607	-0.21945	0.007	0.093	1 Undiff-G TASP1
GABBR1	0.000607	-0.21311	0	0.08	1 Undiff-G GABBR1
SGPP1	0.000607	-0.24409	0	0.08	1 Undiff-G SGPP1
RIC8B	0.000608	-0.20841	0.007	0.094	1 Undiff-G RIC8B
WNK3	0.00061	0.212024	0.022	0.121	1 Undiff-G WNK3
PTPN13	0.000611	-0.12207	0.007	0.094	1 Undiff-G PTPN13
ELOVL6	0.000611	-0.18149	0.007	0.094	1 Undiff-G ELOVL6
PNPO	0.000611	-0.25483	0	0.08	1 Undiff-G PNPO
PAGR1	0.000614	0.780534	0.037	0.009	1 Undiff-G PAGR1
CELF4	0.000614	-0.32019	0.007	0.094	1 Undiff-G CELF4
CREBZF	0.000616	-0.12558	0.029	0.132	1 Undiff-G CREBZF
XKR8	0.000621	-0.22654	0	0.08	1 Undiff-G XKR8
DFNA5	0.000621	0.412687	0.066	0.197	1 Undiff-G DFNA5
PRMT6	0.000622	-0.21989	0.007	0.093	1 Undiff-G PRMT6
PAX6	0.000625	-0.17896	0	0.079	1 Undiff-G PAX6
PPTC7	0.000625	-0.20196	0	0.079	1 Undiff-G PPTC7
MEOX2	0.000625	-0.22164	0	0.079	1 Undiff-G MEOX2
CBR3	0.000627	-0.16408	0.015	0.106	1 Undiff-G CBR3
EAF2	0.00063	-0.17121	0.007	0.094	1 Undiff-G EAF2
TMEM177	0.00063	-0.20469	0	0.079	1 Undiff-G TMEM177
TUSC1	0.00063	-0.22941	0	0.079	1 Undiff-G TUSC1
FANCL	0.00063	0.111339	0.037	0.144	1 Undiff-G FANCL
TRAPPC10	0.000631	-0.21148	0.007	0.093	1 Undiff-G TRAPPC10
C5orf45	0.000631	0.167358	0.051	0.169	1 Undiff-G C5orf45
ALKBH6	0.000638	-0.16526	0.015	0.106	1 Undiff-G ALKBH6
BAG2	0.000639	-0.21047	0	0.079	1 Undiff-G BAG2
BLOC1S5	0.000639	-0.22561	0	0.079	1 Undiff-G BLOC1S5
PTPRO	0.000639	-0.27331	0	0.079	1 Undiff-G PTPRO
CROT	0.00064	0.200209	0.029	0.133	1 Undiff-G CROT
DCAF16	0.000641	0.30995	0.022	0.12	1 Undiff-G DCAF16
MAST3	0.000644	-0.23576	0	0.079	1 Undiff-G MAST3
CD48	0.000644	-0.38033	0	0.079	1 Undiff-G CD48
KLHL28	0.000647	0.147577	0.022	0.12	1 Undiff-G KLHL28
ERCC3	0.000648	0.196268	0.037	0.146	1 Undiff-G ERCC3

RRAS2	0.000649	-0.16536	0	0.079	1 Undiff-G RRAS2
ETV4	0.000649	-0.18859	0	0.079	1 Undiff-G ETV4
SASH3	0.000649	-0.3331	0	0.079	1 Undiff-G SASH3
ZNF577	0.000652	-0.16123	0.007	0.093	1 Undiff-G ZNF577
LRRC25	0.000653	-0.18507	0.007	0.093	1 Undiff-G LRRC25
SAP30L	0.000657	-0.11508	0.007	0.093	1 Undiff-G SAP30L
CHST14	0.000658	-0.17162	0	0.079	1 Undiff-G CHST14
CHSY1	0.000659	-0.22509	0.007	0.092	1 Undiff-G CHSY1
FXYD7	0.000663	-0.34023	0	0.079	1 Undiff-G FXYD7
ALG12	0.000665	-0.16265	0.007	0.093	1 Undiff-G ALG12
NPEPL1	0.000668	-0.13714	0.015	0.106	1 Undiff-G NPEPL1
IFT74	0.000668	-0.21948	0	0.079	1 Undiff-G IFT74
ZSWIM8	0.000668	-0.23301	0	0.079	1 Undiff-G ZSWIM8
NLGN2	0.000669	-0.17788	0.007	0.093	1 Undiff-G NLGN2
EYA2	0.000673	-0.18287	0	0.079	1 Undiff-G EYA2
ALDOC	0.000676	0.129833	0.044	0.157	1 Undiff-G ALDOC
PMS1	0.000676	-0.17905	0.022	0.118	1 Undiff-G PMS1
LOXL1	0.000678	-0.15409	0	0.079	1 Undiff-G LOXL1
PHACTR3	0.000678	-0.27455	0	0.079	1 Undiff-G PHACTR3
TMEFF2	0.000678	-0.28478	0	0.079	1 Undiff-G TMEFF2
ZNF224	0.00068	-0.22983	0.015	0.105	1 Undiff-G ZNF224
SMYD4	0.000681	-0.20137	0.022	0.118	1 Undiff-G SMYD4
CIB2	0.000683	-0.15062	0	0.078	1 Undiff-G CIB2
F12	0.000683	-0.17262	0	0.078	1 Undiff-G F12
TST	0.000683	-0.21897	0	0.078	1 Undiff-G TST
SIGLEC8	0.000683	-0.36512	0	0.078	1 Undiff-G SIGLEC8
FIG4	0.000689	-0.13641	0.015	0.106	1 Undiff-G FIG4
PAPOLG	0.00069	-0.26704	0.007	0.092	1 Undiff-G PAPOLG
CAHM	0.000698	-0.20177	0.007	0.092	1 Undiff-G CAHM
CNPY1	0.000698	-0.22613	0	0.078	1 Undiff-G CNPY1
RP2	0.000698	-0.25383	0	0.078	1 Undiff-G RP2
DDX55	0.000702	-0.18084	0.022	0.119	1 Undiff-G DDX55
DOCK2	0.000703	-0.337	0	0.078	1 Undiff-G DOCK2
SESN2	0.000705	-0.25133	0.015	0.105	1 Undiff-G SESN2
LINC00632	0.000707	-0.2314	0.007	0.092	1 Undiff-G LINC00632
PYG02	0.000708	-0.19363	0	0.078	1 Undiff-G PYG02
HOXA10	0.000708	-0.26396	0	0.078	1 Undiff-G HOXA10
EHD4	0.000711	-0.21082	0.007	0.092	1 Undiff-G EHD4
SETD6	0.000712	-0.21132	0.007	0.091	1 Undiff-G SETD6
GABARAP	0.000717	0.695817	0.213	0.464	1 Undiff-G GABARAP
FAM69C	0.000719	-0.16555	0	0.078	1 Undiff-G FAM69C
MKL2	0.000719	-0.19566	0	0.078	1 Undiff-G MKL2
ZNF25	0.000719	-0.20159	0	0.078	1 Undiff-G ZNF25
TACC3	0.000719	-0.25933	0	0.078	1 Undiff-G TACC3
Clorf198	0.000721	0.11289	0.015	0.106	1 Undiff-G Clorf198
TAF1	0.000724	-0.20495	0.007	0.092	1 Undiff-G TAF1
MANEA	0.000724	-0.18335	0	0.078	1 Undiff-G MANEA
ITGA6	0.000724	-0.22606	0	0.078	1 Undiff-G ITGA6
RIOK1	0.000724	0.425612	0.044	0.157	1 Undiff-G RIOK1
ICOSLG	0.000729	-0.26482	0.007	0.092	1 Undiff-G ICOSLG
OSGEP	0.000729	0.315205	0.074	0.204	1 Undiff-G OSGEP

RNF169	0.00073	-0.18265	0	0.078	1 Undiff-G RNF169
ADNP2	0.00073	-0.186	0	0.078	1 Undiff-G ADNP2
SH3BP4	0.00073	-0.20119	0	0.078	1 Undiff-G SH3BP4
STAT5B	0.00073	-0.20835	0	0.078	1 Undiff-G STAT5B
CELF5	0.00073	-0.27192	0.007	0.092	1 Undiff-G CELF5
H1FO	0.000731	0.437418	0.11	0.265	1 Undiff-G H1FO
ARL14EP	0.000737	0.499709	0.059	0.182	1 Undiff-G ARL14EP
HSF2	0.000737	0.10566	0.022	0.119	1 Undiff-G HSF2
GRIA4	0.000737	-0.12296	0.029	0.13	1 Undiff-G GRIA4
ABTB1	0.000739	-0.23003	0.015	0.105	1 Undiff-G ABTB1
CEP19	0.00074	-0.21743	0	0.077	1 Undiff-G CEP19
WDR55	0.000743	0.136313	0.022	0.118	1 Undiff-G WDR55
KCNAB2	0.000746	-0.29025	0	0.077	1 Undiff-G KCNAB2
ZNF562	0.000748	0.119414	0.037	0.142	1 Undiff-G ZNF562
POFUT1	0.000749	0.106408	0.022	0.118	1 Undiff-G POFUT1
FAM171A1	0.000751	-0.19003	0	0.077	1 Undiff-G FAM171A1
CBLB	0.000751	-0.23063	0	0.077	1 Undiff-G CBLB
TEX10	0.000757	-0.22069	0	0.077	1 Undiff-G TEX10
ETV3	0.000757	-0.26428	0	0.077	1 Undiff-G ETV3
PARP6	0.000761	-0.18453	0.015	0.104	1 Undiff-G PARP6
RP11-395A	0.000763	-0.16654	0	0.077	1 Undiff-G RP11-395A13.2
PANX1	0.000763	-0.23245	0	0.077	1 Undiff-G PANX1
ATP2B4	0.000763	0.150505	0.015	0.105	1 Undiff-G ATP2B4
UBR7	0.000765	0.186042	0.022	0.118	1 Undiff-G UBR7
GTF2H3	0.000766	0.19185	0.037	0.143	1 Undiff-G GTF2H3
TRIM65	0.000768	-0.18244	0	0.077	1 Undiff-G TRIM65
CXorf21	0.000768	-0.36257	0	0.077	1 Undiff-G CXorf21
C9orf116	0.000774	-0.1702	0	0.077	1 Undiff-G C9orf116
CDPF1	0.000774	-0.2278	0	0.077	1 Undiff-G CDPF1
RIT2	0.000774	-0.3273	0	0.077	1 Undiff-G RIT2
RBM48	0.000774	-0.21834	0.007	0.091	1 Undiff-G RBM48
NRXN2	0.000778	-0.17642	0.022	0.118	1 Undiff-G NRXN2
SIRT3	0.000779	-0.1448	0.015	0.104	1 Undiff-G SIRT3
BOK	0.00078	-0.21597	0	0.077	1 Undiff-G BOK
NUMBL	0.000781	-0.18872	0.007	0.09	1 Undiff-G NUMBL
PTPN4	0.000783	-0.21468	0.015	0.103	1 Undiff-G PTPN4
RYK	0.000784	-0.11169	0.007	0.091	1 Undiff-G RYK
C12orf4	0.000785	-0.23868	0.007	0.09	1 Undiff-G C12orf4
RP11-398K	0.000785	-0.2031	0	0.077	1 Undiff-G RP11-398K22.12
RASA2	0.000785	-0.22904	0	0.077	1 Undiff-G RASA2
C12orf29	0.000786	0.391357	0.044	0.155	1 Undiff-G C12orf29
BRF2	0.000788	-0.20723	0.007	0.091	1 Undiff-G BRF2
SAMD1	0.000789	-0.13714	0.015	0.104	1 Undiff-G SAMD1
CCHCR1	0.000791	-0.18177	0	0.077	1 Undiff-G CCHCR1
TSTD2	0.000791	-0.20592	0	0.077	1 Undiff-G TSTD2
TEAD2	0.000794	-0.13254	0.007	0.091	1 Undiff-G TEAD2
METTL22	0.000794	-0.27311	0.007	0.09	1 Undiff-G METTL22
RBM7	0.000796	0.774481	0.096	0.244	1 Undiff-G RBM7
SLC35C1	0.000797	-0.19018	0	0.077	1 Undiff-G SLC35C1
PMP22	0.000798	0.615723	0.206	0.43	1 Undiff-G PMP22
ZBTB8A	0.000798	-0.11674	0.015	0.104	1 Undiff-G ZBTB8A

UBE2C	0.000802	0.136397	0.022	0.118	1 Undiff-G UBE2C
GUF1	0.000803	-0.19627	0.007	0.09	1 Undiff-G GUF1
ABHD10	0.000803	-0.20247	0	0.077	1 Undiff-G ABHD10
MAN2A2	0.000803	-0.23281	0	0.077	1 Undiff-G MAN2A2
ITGAM	0.000803	-0.33097	0	0.077	1 Undiff-G ITGAM
ZBTB4	0.000805	0.416012	0.022	0.118	1 Undiff-G ZBTB4
LRRC45	0.000806	-0.18319	0.007	0.09	1 Undiff-G LRRC45
VCPIP1	0.000807	-0.12083	0.007	0.091	1 Undiff-G VCPIP1
TEX2	0.000809	-0.17154	0	0.076	1 Undiff-G TEX2
THG1L	0.000809	-0.22837	0	0.076	1 Undiff-G THG1L
ATP5E	0.000811	0.337668	0.419	0.92	1 Undiff-G ATP5E
CBFA2T2	0.000811	-0.13184	0.029	0.13	1 Undiff-G CBFA2T2
ADAM15	0.000814	-0.19444	0.022	0.117	1 Undiff-G ADAM15
CHPF2	0.000815	0.250662	0.044	0.154	1 Undiff-G CHPF2
ZNF276	0.000816	-0.18046	0.007	0.091	1 Undiff-G ZNF276
CHAF1A	0.000816	-0.20669	0.007	0.09	1 Undiff-G CHAF1A
ATXN80S	0.000816	0.948176	0.147	0.079	1 Undiff-G ATXN80S
C1orf27	0.000817	0.60135	0.059	0.181	1 Undiff-G C1orf27
RAB30	0.000821	-0.18895	0	0.076	1 Undiff-G RAB30
TMEM8A	0.000821	-0.19488	0	0.076	1 Undiff-G TMEM8A
C5orf30	0.000821	-0.21904	0	0.076	1 Undiff-G C5orf30
PLXNB1	0.000821	-0.2243	0	0.076	1 Undiff-G PLXNB1
LSG1	0.000827	0.202366	0.029	0.129	1 Undiff-G LSG1
GEMIN8	0.000833	-0.24136	0	0.076	1 Undiff-G GEMIN8
PRDX5	0.000836	0.646095	0.338	0.747	1 Undiff-G PRDX5
C2	0.000836	-0.2176	0.022	0.116	1 Undiff-G C2
ATG2A	0.000839	-0.24745	0	0.076	1 Undiff-G ATG2A
STX3	0.000839	-0.24966	0	0.076	1 Undiff-G STX3
RDH5	0.000841	-0.17507	0.015	0.103	1 Undiff-G RDH5
MYO1C	0.000841	-0.12223	0.015	0.103	1 Undiff-G MYO1C
PLP2	0.000844	0.789666	0.154	0.346	1 Undiff-G PLP2
UBASH3B	0.000845	-0.19328	0	0.076	1 Undiff-G UBASH3B
IL1RN	0.000845	-0.35893	0	0.076	1 Undiff-G IL1RN
GPR107	0.000851	0.217149	0.015	0.104	1 Undiff-G GPR107
MFI2-AS1	0.000851	-0.17401	0	0.076	1 Undiff-G MFI2-AS1
INO80	0.000851	-0.18766	0	0.076	1 Undiff-G INO80
ARMCX5	0.000851	-0.22025	0	0.076	1 Undiff-G ARMCX5
CAMKMT	0.000851	-0.23782	0	0.076	1 Undiff-G CAMKMT
ITPRIP	0.000851	-0.2564	0	0.076	1 Undiff-G ITPRIP
EMB	0.000851	-0.32972	0	0.076	1 Undiff-G EMB
LMAN1	0.000855	0.80668	0.147	0.331	1 Undiff-G LMAN1
COL9A2	0.000861	-0.23257	0.007	0.09	1 Undiff-G COL9A2
PPM1M	0.000864	-0.24484	0	0.076	1 Undiff-G PPM1M
PIK3CA	0.000867	-0.15051	0.007	0.09	1 Undiff-G PIK3CA
FAM160B2	0.00087	-0.20053	0	0.076	1 Undiff-G FAM160B2
ECD	0.00087	-0.23719	0	0.076	1 Undiff-G ECD
TNFAIP2	0.00087	-0.2944	0	0.076	1 Undiff-G TNFAIP2
CYP20A1	0.000872	0.184695	0.051	0.166	1 Undiff-G CYP20A1
SLC25A32	0.000874	-0.22537	0.015	0.102	1 Undiff-G SLC25A32
LMO1	0.000877	-0.27091	0	0.075	1 Undiff-G LMO1
TTC7A	0.000877	-0.27493	0	0.075	1 Undiff-G TTC7A

ZNF595	0.000883	-0.22153	0	0.075	1 Undiff-G ZNF595
PARP12	0.000883	-0.22454	0	0.075	1 Undiff-G PARP12
SPATA7	0.000883	-0.24721	0	0.075	1 Undiff-G SPATA7
TMEM100	0.000887	-0.21008	0.007	0.09	1 Undiff-G TMEM100
FAM213B	0.000888	-0.10322	0.007	0.09	1 Undiff-G FAM213B
SEC24A	0.000896	-0.18677	0	0.075	1 Undiff-G SEC24A
ARHGAP22	0.000896	-0.3067	0	0.075	1 Undiff-G ARHGAP22
PMS2	0.000901	0.155072	0.029	0.129	1 Undiff-G PMS2
RP11-332H	0.000901	0.144081	0.029	0.128	1 Undiff-G RP11-332H14.2
DCBLD1	0.000907	-0.18113	0.007	0.089	1 Undiff-G DCBLD1
ZNF566	0.000907	0.235099	0.022	0.116	1 Undiff-G ZNF566
ENOX2	0.000909	-0.21511	0	0.075	1 Undiff-G ENOX2
FCH02	0.000909	-0.23053	0	0.075	1 Undiff-G FCH02
TET2	0.000911	-0.2222	0.007	0.089	1 Undiff-G TET2
EXOC4	0.000912	0.372335	0.051	0.165	1 Undiff-G EXOC4
RFX3	0.000916	-0.18423	0	0.075	1 Undiff-G RFX3
STYX	0.000916	-0.19258	0	0.075	1 Undiff-G STYX
SIGLEC7	0.000916	-0.32219	0	0.075	1 Undiff-G SIGLEC7
RFTN2	0.000917	0.161396	0.029	0.129	1 Undiff-G RFTN2
SETBP1	0.000923	-0.18852	0	0.075	1 Undiff-G SETBP1
KIF13B	0.000923	-0.21843	0	0.075	1 Undiff-G KIF13B
AHDC1	0.000929	-0.1547	0.015	0.102	1 Undiff-G AHDC1
PROSER1	0.00093	-0.18872	0	0.075	1 Undiff-G PROSER1
GMIP	0.00093	-0.25567	0	0.075	1 Undiff-G GMIP
DGAT1	0.000935	-0.17474	0.007	0.089	1 Undiff-G DGAT1
TSHZ1	0.000937	-0.20549	0	0.075	1 Undiff-G TSHZ1
CENPM	0.000937	-0.23425	0	0.075	1 Undiff-G CENPM
PTPRN	0.000937	-0.26683	0	0.075	1 Undiff-G PTPRN
RPS6KL1	0.000943	-0.19345	0.015	0.101	1 Undiff-G RPS6KL1
EFNB3	0.000943	-0.17467	0	0.075	1 Undiff-G EFNB3
VAV1	0.000943	-0.30676	0	0.075	1 Undiff-G VAV1
TMEM136	0.000945	-0.14062	0.007	0.089	1 Undiff-G TMEM136
MDP1	0.000945	0.12868	0.022	0.116	1 Undiff-G MDP1
RP11-192H	0.00095	-0.15676	0.022	0.115	1 Undiff-G RP11-192H23.6
ZNF513	0.00095	-0.18747	0	0.075	1 Undiff-G ZNF513
ST5	0.000954	0.11805	0.044	0.152	1 Undiff-G ST5
BCKDHB	0.000954	-0.14174	0.007	0.089	1 Undiff-G BCKDHB
GPR84	0.000957	-0.3353	0	0.074	1 Undiff-G GPR84
CACNA2D4	0.000957	-0.34028	0	0.074	1 Undiff-G CACNA2D4
UCK2	0.000961	-0.19912	0.007	0.088	1 Undiff-G UCK2
PDLIM1	0.000964	-0.19484	0	0.074	1 Undiff-G PDLIM1
FAM110A	0.000964	-0.22554	0	0.074	1 Undiff-G FAM110A
IRAK3	0.000964	-0.31655	0	0.074	1 Undiff-G IRAK3
MGA	0.000965	-0.1398	0.015	0.102	1 Undiff-G MGA
DUSP26	0.000966	-0.26521	0.007	0.089	1 Undiff-G DUSP26
TOP1MT	0.000972	-0.18292	0	0.074	1 Undiff-G TOP1MT
FAM129B	0.000972	-0.2006	0	0.074	1 Undiff-G FAM129B
CNTROB	0.000972	-0.20487	0	0.074	1 Undiff-G CNTROB
GNG3	0.000972	-0.30882	0	0.074	1 Undiff-G GNG3
RICTOR	0.000973	0.1893	0.066	0.187	1 Undiff-G RICTOR
ZBTB25	0.000975	-0.14079	0.007	0.089	1 Undiff-G ZBTB25

KIAA0100	0.000977	-0.16941	0.007	0.088	1 Undiff-G KIAA0100
DNAJC17	0.000977	-0.22609	0.007	0.088	1 Undiff-G DNAJC17
CNR1	0.000979	-0.16602	0	0.074	1 Undiff-G CNR1
ITPRIPL2	0.000979	-0.19444	0	0.074	1 Undiff-G ITPRIPL2
ZNF689	0.000979	-0.20275	0	0.074	1 Undiff-G ZNF689
DRAM1	0.000979	-0.22167	0	0.074	1 Undiff-G DRAM1
TNS3	0.000979	-0.27707	0	0.074	1 Undiff-G TNS3
PBK	0.000979	-0.31175	0	0.074	1 Undiff-G PBK
RASSF8	0.00098	-0.1554	0.007	0.088	1 Undiff-G RASSF8
TOP2A	0.000981	-0.35106	0.007	0.087	1 Undiff-G TOP2A
PUS3	0.000982	0.19986	0.022	0.115	1 Undiff-G PUS3
ZNF76	0.000982	0.158089	0.015	0.102	1 Undiff-G ZNF76
LRFN4	0.000986	-0.14903	0	0.074	1 Undiff-G LRFN4
ZFHX4	0.000986	0.108508	0.044	0.153	1 Undiff-G ZFHX4
WDFY3	0.000987	-0.16852	0.007	0.088	1 Undiff-G WDFY3
EYA3	0.000987	-0.22052	0.007	0.087	1 Undiff-G EYA3
NAA30	0.000991	-0.20783	0.007	0.087	1 Undiff-G NAA30
CAPN10	0.000992	-0.21283	0.007	0.087	1 Undiff-G CAPN10
DUSP28	0.000996	-0.1983	0.007	0.088	1 Undiff-G DUSP28
CHGB	0.000998	-0.11692	0.007	0.088	1 Undiff-G CHGB
TRIM16L	0.001	-0.17472	0	0.074	1 Undiff-G TRIM16L
CNOT6	0.001	-0.17998	0	0.074	1 Undiff-G CNOT6
DROSHA	0.001	-0.18877	0	0.074	1 Undiff-G DROSHA
SLC39A11	0.001	-0.20935	0	0.074	1 Undiff-G SLC39A11
GIMAP1	0.001	-0.31567	0	0.074	1 Undiff-G GIMAP1
CADPS	0.001001	1.020162	0.096	0.042	1 Undiff-G CADPS
CACFD1	0.001006	-0.16615	0.007	0.088	1 Undiff-G CACFD1
AIF1L	0.001007	-0.10631	0.022	0.114	1 Undiff-G AIF1L
EPHA3	0.001008	-0.13376	0	0.074	1 Undiff-G EPHA3
MPP6	0.001008	-0.17237	0	0.074	1 Undiff-G MPP6
ZC3H4	0.001008	-0.18959	0.007	0.088	1 Undiff-G ZC3H4
WDR830S	0.001008	0.686002	0.353	0.748	1 Undiff-G WDR830S
TP53	0.001014	0.240463	0.022	0.115	1 Undiff-G TP53
DDX20	0.001015	-0.19723	0	0.074	1 Undiff-G DDX20
CSRNP2	0.001016	-0.20326	0.007	0.087	1 Undiff-G CSRNP2
RP11-138A	0.001018	-0.25141	0.029	0.126	1 Undiff-G RP11-138A9.1
ABCA5	0.001021	-0.18123	0.007	0.088	1 Undiff-G ABCA5
SRSF12	0.001023	-0.18106	0	0.074	1 Undiff-G SRSF12
USP19	0.001023	-0.18937	0	0.074	1 Undiff-G USP19
ASB6	0.001023	-0.19366	0	0.074	1 Undiff-G ASB6
RFNG	0.001028	-0.19458	0.015	0.1	1 Undiff-G RFNG
FTX	0.001028	-0.20659	0.015	0.101	1 Undiff-G FTX
FAM84B	0.001029	-0.18604	0.007	0.088	1 Undiff-G FAM84B
TP53I11	0.00103	-0.25346	0	0.074	1 Undiff-G TP53I11
ST14	0.00103	-0.29844	0	0.074	1 Undiff-G ST14
DBP	0.001033	-0.22588	0.007	0.088	1 Undiff-G DBP
ZNF584	0.001037	-0.16773	0.007	0.087	1 Undiff-G ZNF584
VANGL2	0.001038	-0.18739	0	0.074	1 Undiff-G VANGL2
HAUS2	0.00104	0.194249	0.015	0.101	1 Undiff-G HAUS2
ACSS1	0.00104	-0.18235	0.015	0.101	1 Undiff-G ACSS1
PHF21A	0.001044	-0.13107	0.022	0.113	1 Undiff-G PHF21A

CRLF3	0.001045	0.189673	0.022	0.114	1 Undiff-G CRLF3
VPS52	0.001045	-0.16656	0.007	0.088	1 Undiff-G VPS52
MARK4	0.001045	-0.17403	0	0.073	1 Undiff-G MARK4
ZNF335	0.001045	-0.20232	0	0.073	1 Undiff-G ZNF335
BTN3A1	0.001045	-0.23399	0	0.073	1 Undiff-G BTN3A1
TMEM91	0.001045	-0.26122	0	0.073	1 Undiff-G TMEM91
MON1A	0.001046	-0.18887	0.007	0.087	1 Undiff-G MON1A
BOC	0.001048	-0.14767	0.007	0.088	1 Undiff-G BOC
PCTP	0.001053	-0.24596	0	0.073	1 Undiff-G PCTP
OSCAR	0.001053	-0.28682	0	0.073	1 Undiff-G OSCAR
ST7L	0.001055	0.139464	0.022	0.114	1 Undiff-G ST7L
LDOC1L	0.001057	-0.10179	0.007	0.088	1 Undiff-G LDOC1L
USP38	0.001057	-0.12708	0.007	0.088	1 Undiff-G USP38
BOLA1	0.001058	0.432836	0.044	0.152	1 Undiff-G BOLA1
BRINP2	0.001061	-0.17965	0	0.073	1 Undiff-G BRINP2
FUT11	0.001061	-0.19847	0	0.073	1 Undiff-G FUT11
ZBTB11	0.001061	-0.20039	0	0.073	1 Undiff-G ZBTB11
DNASE1L1	0.001061	-0.27304	0	0.073	1 Undiff-G DNASE1L1
LRRC8B	0.001061	-0.1555	0.007	0.087	1 Undiff-G LRRC8B
ERCC6L2	0.001065	-0.19028	0.007	0.087	1 Undiff-G ERCC6L2
CASP7	0.001065	-0.19065	0.007	0.087	1 Undiff-G CASP7
RGN	0.001069	-0.24425	0	0.073	1 Undiff-G RGN
CDCA7L	0.001069	0.155729	0.044	0.15	1 Undiff-G CDCA7L
GBE1	0.001071	0.425617	0.066	0.187	1 Undiff-G GBE1
SKIV2L	0.001072	-0.12491	0.007	0.087	1 Undiff-G SKIV2L
UBXN2B	0.001074	0.512712	0.044	0.152	1 Undiff-G UBXN2B
EMID1	0.001076	-0.16985	0	0.073	1 Undiff-G EMID1
CMTR1	0.001076	-0.18404	0	0.073	1 Undiff-G CMTR1
STK38	0.001076	-0.19507	0	0.073	1 Undiff-G STK38
KLHDC4	0.001076	-0.21931	0	0.073	1 Undiff-G KLHDC4
RBM41	0.001078	-0.20527	0.007	0.087	1 Undiff-G RBM41
ST3GAL3	0.001081	0.118935	0.007	0.087	1 Undiff-G ST3GAL3
GBA2	0.001083	-0.20906	0.007	0.086	1 Undiff-G GBA2
PEX11G	0.001084	-0.18146	0	0.073	1 Undiff-G PEX11G
CCL4L2	0.001085	-0.35894	0.007	0.087	1 Undiff-G CCL4L2
FAM212B	0.001088	-0.18461	0.015	0.1	1 Undiff-G FAM212B
ZNF7	0.001089	0.134245	0.051	0.162	1 Undiff-G ZNF7
PRDM4	0.00109	-0.19051	0.007	0.086	1 Undiff-G PRDM4
RGL1	0.00109	-0.20592	0.007	0.087	1 Undiff-G RGL1
WDR91	0.001091	-0.24336	0.007	0.087	1 Undiff-G WDR91
SRRM3	0.001092	-0.26216	0	0.073	1 Undiff-G SRRM3
BBOX1	0.001098	0.120971	0.037	0.138	1 Undiff-G BBOX1
USP13	0.0011	-0.16723	0	0.073	1 Undiff-G USP13
FASTKD3	0.0011	-0.18811	0	0.073	1 Undiff-G FASTKD3
ZBTB2	0.0011	-0.20295	0	0.073	1 Undiff-G ZBTB2
OPN3	0.0011	-0.2061	0	0.073	1 Undiff-G OPN3
SCN3B	0.0011	-0.26551	0	0.073	1 Undiff-G SCN3B
PI4K2B	0.001101	-0.16668	0.007	0.087	1 Undiff-G PI4K2B
PTRH2	0.001107	0.329843	0.037	0.139	1 Undiff-G PTRH2
RP11-379H	0.001108	-0.17484	0	0.073	1 Undiff-G RP11-379H18.1
FAM135A	0.001113	-0.11087	0.007	0.087	1 Undiff-G FAM135A

KAT2B	0.001117	-0.2088	0	0.073	1 Undiff-G KAT2B
SCN3A	0.001117	-0.22696	0	0.073	1 Undiff-G SCN3A
SCARA3	0.001122	0.137002	0.037	0.139	1 Undiff-G SCARA3
RCBTB1	0.001125	-0.20845	0	0.073	1 Undiff-G RCBTB1
COL6A2	0.001125	0.296471	0.051	0.164	1 Undiff-G COL6A2
CNPY4	0.001127	0.178118	0.022	0.113	1 Undiff-G CNPY4
E2F3	0.001128	-0.16844	0.007	0.087	1 Undiff-G E2F3
PLD2	0.00113	-0.21323	0.007	0.087	1 Undiff-G PLD2
TAMM41	0.001133	-0.22312	0	0.072	1 Undiff-G TAMM41
FURIN	0.001133	-0.23819	0	0.072	1 Undiff-G FURIN
POMT1	0.001137	0.167839	0.037	0.138	1 Undiff-G POMT1
ASPHD1	0.001141	0.226537	0.037	0.139	1 Undiff-G ASPHD1
SYCE1L	0.001141	-0.15794	0	0.072	1 Undiff-G SYCE1L
SBK1	0.001141	-0.22078	0	0.072	1 Undiff-G SBK1
RREB1	0.001141	-0.2423	0	0.072	1 Undiff-G RREB1
LINC00869	0.001146	0.803815	0.051	0.016	1 Undiff-G LINC00869
MEGF8	0.001146	0.144203	0.007	0.087	1 Undiff-G MEGF8
KAZN	0.00115	-0.19097	0	0.072	1 Undiff-G KAZN
DUS2	0.00115	-0.20254	0	0.072	1 Undiff-G DUS2
DPCD	0.00115	0.423141	0.051	0.162	1 Undiff-G DPCD
C2orf47	0.001152	0.102379	0.029	0.125	1 Undiff-G C2orf47
U2AF1L4	0.001155	0.32368	0.074	0.198	1 Undiff-G U2AF1L4
LY6H	0.001156	-0.29169	0.007	0.086	1 Undiff-G LY6H
LYRM9	0.001159	0.333191	0.059	0.174	1 Undiff-G LYRM9
RP11-378E	0.001162	0.167846	0.007	0.001	1 Undiff-G RP11-378E13.4
SMAGP	0.001167	-0.14267	0.007	0.086	1 Undiff-G SMAGP
LMCD1	0.001171	-0.10635	0.007	0.086	1 Undiff-G LMCD1
RETSAT	0.001171	-0.2135	0.007	0.085	1 Undiff-G RETSAT
TBC1D24	0.001175	-0.16816	0	0.072	1 Undiff-G TBC1D24
NUP153	0.001175	-0.21055	0	0.072	1 Undiff-G NUP153
POLR3F	0.001175	0.121438	0.037	0.138	1 Undiff-G POLR3F
FAM13B	0.001176	-0.16349	0.007	0.086	1 Undiff-G FAM13B
HNRNPU-AS	0.001183	-0.20537	0.015	0.099	1 Undiff-G HNRNPU-AS1
RP11-798M	0.001186	0.244041	0.044	0.15	1 Undiff-G RP11-798M19.6
ICK	0.001187	-0.17671	0.007	0.086	1 Undiff-G ICK
MAU2	0.001195	-0.13272	0.029	0.124	1 Undiff-G MAU2
PM20D2	0.001196	-0.17601	0.007	0.085	1 Undiff-G PM20D2
CTDP1	0.001201	-0.18883	0	0.072	1 Undiff-G CTDP1
CECR1	0.001201	-0.31029	0	0.072	1 Undiff-G CECR1
KLF12	0.001207	-0.18161	0.007	0.086	1 Undiff-G KLF12
PGBD1	0.00121	-0.16455	0	0.072	1 Undiff-G PGBD1
NUAK1	0.00121	-0.21304	0	0.072	1 Undiff-G NUAK1
PPWD1	0.001211	0.195468	0.022	0.113	1 Undiff-G PPWD1
DCHS1	0.001217	-0.17203	0.007	0.085	1 Undiff-G DCHS1
NUDT8	0.001219	-0.1529	0	0.072	1 Undiff-G NUDT8
DTD2	0.001219	-0.19133	0	0.072	1 Undiff-G DTD2
IL4R	0.001219	-0.28976	0	0.072	1 Undiff-G IL4R
MRI1	0.001222	-0.12053	0.022	0.111	1 Undiff-G MRI1
AGO2	0.001228	-0.19082	0	0.072	1 Undiff-G AGO2
WWP2	0.001228	-0.20903	0	0.072	1 Undiff-G WWP2
CD93	0.001228	-0.31132	0	0.072	1 Undiff-G CD93



PHLPP1	0.001228	-0.19391	0.007	0.086	1 Undiff-G PHLPP1
ITFG2	0.001229	-0.19174	0.022	0.111	1 Undiff-G ITFG2
DUSP22	0.001236	0.231376	0.022	0.112	1 Undiff-G DUSP22
ZNF598	0.001237	-0.16419	0	0.071	1 Undiff-G ZNF598
ALDH1B1	0.001237	-0.17616	0	0.071	1 Undiff-G ALDH1B1
HECA	0.001237	-0.20968	0	0.071	1 Undiff-G HECA
EHBP1L1	0.001237	-0.21005	0	0.071	1 Undiff-G EHBP1L1
RRAGB	0.001238	0.140978	0.022	0.112	1 Undiff-G RRAGB
SLC2A6	0.001246	-0.16499	0	0.071	1 Undiff-G SLC2A6
RASSF7	0.001246	-0.20223	0	0.071	1 Undiff-G RASSF7
CENPBD1	0.001255	-0.19973	0	0.071	1 Undiff-G CENPBD1
SCN1B	0.001255	-0.24526	0	0.071	1 Undiff-G SCN1B
TK1	0.001255	-0.26156	0	0.071	1 Undiff-G TK1
MTAP	0.001255	-0.26253	0	0.071	1 Undiff-G MTAP
JDP2	0.001255	-0.30361	0	0.071	1 Undiff-G JDP2
DMD	0.001256	-0.17698	0.007	0.085	1 Undiff-G DMD
AEBP2	0.001257	-0.15599	0.007	0.085	1 Undiff-G AEBP2
ZNF71	0.001263	-0.16461	0.007	0.085	1 Undiff-G ZNF71
PSMC3IP	0.001264	-0.19743	0	0.071	1 Undiff-G PSMC3IP
GCC1	0.001264	-0.19989	0	0.071	1 Undiff-G GCC1
CC2D2A	0.001264	-0.2197	0	0.071	1 Undiff-G CC2D2A
VCPKMT	0.001264	-0.22199	0	0.071	1 Undiff-G VCPKMT
CTD-3184A	0.001267	-0.16496	0.015	0.098	1 Undiff-G CTD-3184A7.4
SLC27A5	0.00127	0.156673	0.037	0.137	1 Undiff-G SLC27A5
SOS1	0.001275	-0.18454	0.007	0.085	1 Undiff-G SOS1
CASP9	0.001278	-0.2316	0.007	0.085	1 Undiff-G CASP9
IER3IP1	0.001279	0.847918	0.088	0.038	1 Undiff-G IER3IP1
FAM208B	0.001279	-0.14369	0.007	0.085	1 Undiff-G FAM208B
ZNF846	0.001283	-0.28394	0	0.071	1 Undiff-G ZNF846
NKX2-2	0.001286	0.113651	0.044	0.149	1 Undiff-G NKX2-2
GPR37L1	0.00129	-0.2565	0.007	0.085	1 Undiff-G GPR37L1
PAQR8	0.001291	-0.27988	0.015	0.097	1 Undiff-G PAQR8
MDGA1	0.001292	-0.12904	0	0.071	1 Undiff-G MDGA1
INO80B	0.001292	-0.17217	0	0.071	1 Undiff-G INO80B
BLVRB	0.001297	0.794173	0.176	0.377	1 Undiff-G BLVRB
ZNF174	0.001302	-0.16404	0	0.071	1 Undiff-G ZNF174
RP3-428L1	0.001302	-0.17447	0	0.071	1 Undiff-G RP3-428L16.2
CACNG7	0.001303	-0.14011	0.007	0.085	1 Undiff-G CACNG7
C17orf80	0.001311	-0.12796	0.007	0.085	1 Undiff-G C17orf80
PODXL	0.001311	-0.1654	0	0.071	1 Undiff-G PODXL
IPO8	0.001311	-0.16849	0	0.071	1 Undiff-G IPO8
DHRS3	0.001312	0.363776	0.059	0.172	1 Undiff-G DHRS3
CAMSAP1	0.001312	-0.15256	0.007	0.085	1 Undiff-G CAMSAP1
NR2C1	0.001316	-0.18086	0.015	0.098	1 Undiff-G NR2C1
ADM	0.001319	1.455816	0.25	0.184	1 Undiff-G ADM
ZNF121	0.001321	0.122399	0.022	0.112	1 Undiff-G ZNF121
COX15	0.001321	-0.21042	0	0.071	1 Undiff-G COX15
RUNDC3A	0.001325	-0.11014	0.015	0.098	1 Undiff-G RUNDC3A
SCAF8	0.001331	-0.18704	0	0.071	1 Undiff-G SCAF8
SLC19A1	0.00134	-0.18278	0	0.07	1 Undiff-G SLC19A1
PLEKHH3	0.001343	-0.15127	0.007	0.085	1 Undiff-G PLEKHH3

LSAMP	0.001348	0.164731	0.059	0.173	1 Undiff-G LSAMP
MAPK12	0.00135	-0.1378	0	0.07	1 Undiff-G MAPK12
REXO1	0.00135	-0.16021	0	0.07	1 Undiff-G REXO1
PACRGL	0.00135	-0.20195	0	0.07	1 Undiff-G PACRGL
THEM6	0.00135	-0.18949	0.007	0.084	1 Undiff-G THEM6
FGR	0.001351	-0.31162	0.007	0.084	1 Undiff-G FGR
ATG14	0.00136	-0.18449	0	0.07	1 Undiff-G ATG14
ARMC9	0.00136	-0.18714	0	0.07	1 Undiff-G ARMC9
YPEL2	0.00136	-0.24768	0	0.07	1 Undiff-G YPEL2
GPRC5C	0.00136	-0.25827	0	0.07	1 Undiff-G GPRC5C
SRD5A1	0.001362	0.273288	0.022	0.111	1 Undiff-G SRD5A1
BAMBI	0.00137	-0.1803	0	0.07	1 Undiff-G BAMBI
RAB11FIP2	0.00137	-0.18425	0	0.07	1 Undiff-G RAB11FIP2
PIEZO1	0.00137	-0.2075	0	0.07	1 Undiff-G PIEZO1
ABCA2	0.001376	-0.3048	0.015	0.097	1 Undiff-G ABCA2
KIAA0586	0.00138	-0.17829	0	0.07	1 Undiff-G KIAA0586
CLUH	0.00138	-0.18138	0	0.07	1 Undiff-G CLUH
NUDT6	0.00138	-0.20176	0	0.07	1 Undiff-G NUDT6
PSTK	0.00138	-0.20927	0	0.07	1 Undiff-G PSTK
NFX1	0.00138	-0.18767	0.015	0.098	1 Undiff-G NFX1
MTRR	0.001385	-0.16405	0.007	0.084	1 Undiff-G MTRR
ZNF300	0.00139	-0.19413	0	0.07	1 Undiff-G ZNF300
PCK2	0.00139	-0.22646	0	0.07	1 Undiff-G PCK2
TMEM186	0.001393	0.121944	0.015	0.098	1 Undiff-G TMEM186
USP6NL	0.001394	-0.2142	0.007	0.084	1 Undiff-G USP6NL
PACSIN3	0.0014	-0.14977	0	0.07	1 Undiff-G PACSIN3
NCKIPSD	0.0014	-0.17709	0	0.07	1 Undiff-G NCKIPSD
ACVR1	0.0014	-0.17856	0	0.07	1 Undiff-G ACVR1
KMT2B	0.0014	-0.19001	0	0.07	1 Undiff-G KMT2B
C7orf43	0.0014	-0.19013	0	0.07	1 Undiff-G C7orf43
SFMBT1	0.0014	-0.20479	0	0.07	1 Undiff-G SFMBT1
TMEM220	0.0014	-0.21632	0	0.07	1 Undiff-G TMEM220
C15orf48	0.0014	-0.35112	0	0.07	1 Undiff-G C15orf48
IQCB1	0.001403	0.167298	0.029	0.123	1 Undiff-G IQCB1
ZNF493	0.00142	0.236607	0.051	0.159	1 Undiff-G ZNF493
CCNT1	0.00142	-0.137	0.007	0.084	1 Undiff-G CCNT1
RPS6KC1	0.001421	-0.17771	0	0.07	1 Undiff-G RPS6KC1
ZNF569	0.001421	-0.19011	0	0.07	1 Undiff-G ZNF569
EML2	0.001421	-0.21663	0.007	0.084	1 Undiff-G EML2
MRRF	0.001429	-0.23932	0.015	0.096	1 Undiff-G MRRF
VIPR2	0.001439	-0.27612	0.007	0.083	1 Undiff-G VIPR2
NUP43	0.001442	-0.12387	0.007	0.084	1 Undiff-G NUP43
PPCDC	0.001442	-0.19834	0	0.07	1 Undiff-G PPCDC
OSBPL2	0.00145	0.279654	0.037	0.135	1 Undiff-G OSBPL2
MTOR	0.001452	-0.17696	0	0.07	1 Undiff-G MTOR
DENND4B	0.001452	-0.19859	0	0.07	1 Undiff-G DENND4B
RAPGEF2	0.001452	-0.2043	0	0.07	1 Undiff-G RAPGEF2
CARD9	0.001452	-0.26677	0	0.07	1 Undiff-G CARD9
ZFP82	0.001453	0.168041	0.022	0.11	1 Undiff-G ZFP82
CAPN5	0.001463	-0.15945	0	0.069	1 Undiff-G CAPN5
ZNF500	0.001463	-0.19072	0	0.069	1 Undiff-G ZNF500

PRKAR2B	0.001463	-0.21139	0	0.069	1 Undiff-G PRKAR2B
PPP1R3E	0.001463	-0.23941	0	0.069	1 Undiff-G PPP1R3E
MTFR1	0.001465	0.139006	0.015	0.097	1 Undiff-G MTFR1
TIMM21	0.001474	0.516311	0.044	0.148	1 Undiff-G TIMM21
MOB1B	0.001474	-0.1906	0	0.069	1 Undiff-G MOB1B
TRMT5	0.001474	-0.20883	0	0.069	1 Undiff-G TRMT5
PFDN5	0.00148	0.493682	0.404	0.889	1 Undiff-G PFDN5
C16orf52	0.001481	-0.11789	0.015	0.097	1 Undiff-G C16orf52
LRRC24	0.001485	-0.17416	0	0.069	1 Undiff-G LRRC24
TET1	0.001498	-0.13172	0.007	0.083	1 Undiff-G TET1
GORASP1	0.001506	-0.11272	0.007	0.083	1 Undiff-G GORASP1
GAS2L3	0.001506	-0.17151	0	0.069	1 Undiff-G GAS2L3
PDSS2	0.001513	-0.17215	0.007	0.083	1 Undiff-G PDSS2
TRAPPC8	0.001517	-0.17531	0	0.069	1 Undiff-G TRAPPC8
TMEM254	0.001517	-0.21776	0	0.069	1 Undiff-G TMEM254
PDE7A	0.001527	-0.15454	0.007	0.083	1 Undiff-G PDE7A
ARFGEF2	0.001528	-0.15624	0	0.069	1 Undiff-G ARFGEF2
RP11-977G	0.001528	-0.17309	0	0.069	1 Undiff-G RP11-977G19.11
GYS1	0.001528	-0.17886	0	0.069	1 Undiff-G GYS1
MPP5	0.00153	0.137757	0.015	0.097	1 Undiff-G MPP5
DMXL2	0.001535	-0.22293	0.007	0.082	1 Undiff-G DMXL2
SCLT1	0.00154	-0.19634	0	0.069	1 Undiff-G SCLT1
SFR1	0.00154	-0.27135	0	0.069	1 Undiff-G SFR1
OLFML2B	0.00154	-0.32388	0	0.069	1 Undiff-G OLFML2B
RP11-111M	0.00154	0.254888	0.015	0.097	1 Undiff-G RP11-111M22.3
ARRDC4	0.001551	-0.18328	0	0.069	1 Undiff-G ARRDC4
PLLP	0.001551	-0.34986	0	0.069	1 Undiff-G PLLP
MAPK9	0.001559	-0.13886	0.007	0.083	1 Undiff-G MAPK9
DBNDD1	0.001562	-0.16034	0	0.069	1 Undiff-G DBNDD1
DHODH	0.001572	-0.13442	0.007	0.083	1 Undiff-G DHODH
ACO07405.	0.001574	-0.15648	0	0.069	1 Undiff-G ACO07405.6
PARP8	0.001574	-0.22309	0	0.069	1 Undiff-G PARP8
CD300C	0.001574	-0.30413	0	0.069	1 Undiff-G CD300C
FREM2	0.001585	-0.12489	0	0.069	1 Undiff-G FREM2
BMPR1A	0.001585	-0.1717	0	0.069	1 Undiff-G BMPR1A
TLR1	0.001585	-0.29428	0	0.069	1 Undiff-G TLR1
PRIM1	0.001592	-0.19632	0.007	0.082	1 Undiff-G PRIM1
UHRF1BP1L	0.001597	-0.19808	0	0.068	1 Undiff-G UHRF1BP1L
DOPEY2	0.001597	-0.22298	0	0.068	1 Undiff-G DOPEY2
CPPED1	0.001597	-0.27083	0	0.068	1 Undiff-G CPPED1
TBP	0.001599	0.104774	0.007	0.083	1 Undiff-G TBP
DHRS4	0.001618	-0.19055	0.007	0.082	1 Undiff-G DHRS4
CHST8	0.00162	-0.15517	0	0.068	1 Undiff-G CHST8
RNF165	0.00162	-0.18457	0	0.068	1 Undiff-G RNF165
RAD54L2	0.001624	0.105465	0.022	0.108	1 Undiff-G RAD54L2
GFOD1	0.001632	-0.19302	0	0.068	1 Undiff-G GFOD1
3-Sep	0.001632	-0.2079	0	0.068	1 Undiff-G 3-Sep
HEPN1	0.001632	0.421128	0.081	0.206	1 Undiff-G HEPN1
IDNK	0.00164	0.111081	0.015	0.096	1 Undiff-G IDNK
IGF2BP3	0.001649	0.303744	0.022	0.109	1 Undiff-G IGF2BP3
RP11-277F	0.001656	-0.22359	0	0.068	1 Undiff-G RP11-277F12.20

SGK3	0.001656	-0.22854	0	0.068	1 Undiff-G SGK3
NCAM2	0.001656	-0.23913	0	0.068	1 Undiff-G NCAM2
TOX3	0.001656	-0.25062	0	0.068	1 Undiff-G TOX3
ZNHIT6	0.001659	-0.17238	0.015	0.095	1 Undiff-G ZNHIT6
HEXIM2	0.00166	-0.19106	0.007	0.082	1 Undiff-G HEXIM2
BBC3	0.001664	-0.18902	0.007	0.082	1 Undiff-G BBC3
MTSS1L	0.001666	-0.17492	0.015	0.095	1 Undiff-G MTSS1L
RNF111	0.001668	-0.15518	0.007	0.082	1 Undiff-G RNF111
OAF	0.001668	-0.13336	0	0.068	1 Undiff-G OAF
ZNF746	0.001668	-0.18581	0	0.068	1 Undiff-G ZNF746
C5orf63	0.001668	-0.20527	0	0.068	1 Undiff-G C5orf63
INADL	0.001668	-0.22021	0	0.068	1 Undiff-G INADL
BLNK	0.001668	-0.34075	0	0.068	1 Undiff-G BLNK
TTC39C	0.00167	-0.18878	0.007	0.081	1 Undiff-G TTC39C
SPOCK1	0.001676	-0.26653	0.007	0.082	1 Undiff-G SPOCK1
UBB	0.001677	0.363246	0.426	0.916	1 Undiff-G UBB
TLCD1	0.001679	-0.14103	0.007	0.082	1 Undiff-G TLCD1
RAI1	0.00168	-0.16141	0	0.068	1 Undiff-G RAI1
C16orf70	0.001693	-0.19388	0	0.068	1 Undiff-G C16orf70
CD40	0.001693	-0.2792	0	0.068	1 Undiff-G CD40
MYPOP	0.001701	-0.17015	0.007	0.081	1 Undiff-G MYPOP
YPEL1	0.001702	-0.16087	0.015	0.094	1 Undiff-G YPEL1
BYSL	0.001707	0.341152	0.022	0.108	1 Undiff-G BYSL
CNN3	0.001708	0.604189	0.228	0.471	1 Undiff-G CNN3
IGF2BP2	0.001708	-0.16989	0.007	0.081	1 Undiff-G IGF2BP2
GDPD1	0.001717	-0.16588	0	0.068	1 Undiff-G GDPD1
SIK3	0.001718	-0.14101	0.022	0.107	1 Undiff-G SIK3
PAPD5	0.001729	-0.21446	0.007	0.081	1 Undiff-G PAPD5
ANO10	0.00173	-0.17929	0	0.067	1 Undiff-G ANO10
STIM1	0.00173	-0.1801	0	0.067	1 Undiff-G STIM1
GPS2	0.001732	0.325276	0.044	0.146	1 Undiff-G GPS2
BNIP1	0.001741	0.332808	0.029	0.121	1 Undiff-G BNIP1
CBX2	0.001743	-0.16052	0	0.067	1 Undiff-G CBX2
ZFP1	0.001743	-0.16636	0	0.067	1 Undiff-G ZFP1
SBF1	0.001743	-0.19126	0	0.067	1 Undiff-G SBF1
PPM1F	0.001743	-0.20127	0	0.067	1 Undiff-G PPM1F
MDK	0.001748	0.584506	0.243	0.494	1 Undiff-G MDK
HEATR5A	0.001751	-0.14194	0.007	0.082	1 Undiff-G HEATR5A
GTF3C4	0.001755	-0.15014	0	0.067	1 Undiff-G GTF3C4
TMEM87B	0.001755	-0.18494	0	0.067	1 Undiff-G TMEM87B
RPRM	0.001755	-0.27051	0	0.067	1 Undiff-G RPRM
MYCBP	0.001763	-0.13921	0.015	0.094	1 Undiff-G MYCBP
DDB2	0.001763	0.131794	0.015	0.095	1 Undiff-G DDB2
LRRC28	0.001763	0.147076	0.015	0.095	1 Undiff-G LRRC28
NOVA2	0.001765	-0.16062	0.007	0.081	1 Undiff-G NOVA2
RNF123	0.001768	-0.18822	0	0.067	1 Undiff-G RNF123
FBXO38	0.001768	-0.19721	0	0.067	1 Undiff-G FBXO38
NOP2	0.00177	0.151993	0.022	0.107	1 Undiff-G NOP2
AMOTL1	0.001781	-0.14754	0	0.067	1 Undiff-G AMOTL1
DYRK1B	0.001781	-0.16406	0	0.067	1 Undiff-G DYRK1B
MTA2	0.001781	-0.17405	0	0.067	1 Undiff-G MTA2

USP37	0.001781	-0.18825	0	0.067	1 Undiff-G USP37
RP11-386I	0.001781	-0.30119	0	0.067	1 Undiff-G RP11-386I14.4
B3GNT2	0.001794	-0.18314	0	0.067	1 Undiff-G B3GNT2
ZNF197	0.001794	-0.18633	0	0.067	1 Undiff-G ZNF197
KCNH2	0.001794	-0.211	0	0.067	1 Undiff-G KCNH2
EZH1	0.001805	-0.20689	0.007	0.081	1 Undiff-G EZH1
THBS1	0.001806	-0.23973	0.007	0.081	1 Undiff-G THBS1
APAF1	0.001807	-0.2001	0	0.067	1 Undiff-G APAF1
PLXNC1	0.001807	-0.23351	0	0.067	1 Undiff-G PLXNC1
APEX2	0.001812	0.11814	0.015	0.095	1 Undiff-G APEX2
ZNF532	0.001819	-0.16091	0.015	0.094	1 Undiff-G ZNF532
LINC00526	0.001826	-0.18693	0.007	0.08	1 Undiff-G LINC00526
LIMD1	0.001827	-0.16491	0.007	0.08	1 Undiff-G LIMD1
IRF9	0.001829	-0.22906	0.015	0.094	1 Undiff-G IRF9
MYSM1	0.001831	-0.13207	0.007	0.081	1 Undiff-G MYSM1
TRMT1L	0.001834	-0.18714	0	0.067	1 Undiff-G TRMT1L
TMEM108	0.001835	0.114099	0.007	0.081	1 Undiff-G TMEM108
MYADM	0.001839	0.656251	0.074	0.194	1 Undiff-G MYADM
OMG	0.001843	-0.31721	0.007	0.08	1 Undiff-G OMG
TPI1	0.001846	0.900702	0.574	0.869	1 Undiff-G TPI1
CDADC1	0.001852	0.201679	0.022	0.107	1 Undiff-G CDADC1
PLCB1	0.001854	-0.14205	0.007	0.081	1 Undiff-G PLCB1
MAP4K3	0.001859	-0.14234	0.007	0.081	1 Undiff-G MAP4K3
KLF9	0.001859	0.116449	0.037	0.132	1 Undiff-G KLF9
CELF3	0.001861	-0.23031	0	0.067	1 Undiff-G CELF3
NGRN	0.001864	-0.15488	0.007	0.081	1 Undiff-G NGRN
RP11-69E1	0.001874	-0.20563	0	0.067	1 Undiff-G RP11-69E11.4
DDX28	0.001877	-0.16597	0.007	0.081	1 Undiff-G DDX28
PCDHB2	0.001879	-0.16251	0.007	0.08	1 Undiff-G PCDHB2
RLIM	0.00188	0.298856	0.022	0.107	1 Undiff-G RLIM
EML1	0.001884	-0.11411	0.007	0.081	1 Undiff-G EML1
GOLPH3L	0.001887	-0.20317	0.007	0.08	1 Undiff-G GOLPH3L
RRNAD1	0.00189	0.171373	0.022	0.107	1 Undiff-G RRNAD1
GHDC	0.001893	-0.10309	0.015	0.094	1 Undiff-G GHDC
ZKSCAN5	0.001902	-0.17013	0	0.066	1 Undiff-G ZKSCAN5
ZNF189	0.001902	-0.19257	0	0.066	1 Undiff-G ZNF189
NUP155	0.001916	-0.18314	0	0.066	1 Undiff-G NUP155
ACSF2	0.001916	-0.2026	0	0.066	1 Undiff-G ACSF2
OSBPL11	0.00192	0.181958	0.015	0.094	1 Undiff-G OSBPL11
MIS18A	0.001921	0.34284	0.022	0.107	1 Undiff-G MIS18A
CDK7	0.001933	0.128344	0.015	0.094	1 Undiff-G CDK7
PISD	0.001935	0.104199	0.022	0.106	1 Undiff-G PISD
CRADD	0.001939	0.162388	0.022	0.106	1 Undiff-G CRADD
VTI1A	0.001944	-0.23173	0	0.066	1 Undiff-G VTI1A
WDR92	0.001947	-0.17536	0.007	0.08	1 Undiff-G WDR92
E2F5	0.001958	-0.1202	0	0.066	1 Undiff-G E2F5
C14orf80	0.001958	-0.17068	0	0.066	1 Undiff-G C14orf80
MED9	0.001959	-0.10709	0.015	0.094	1 Undiff-G MED9
MIB1	0.00197	-0.14779	0.015	0.093	1 Undiff-G MIB1
COX10	0.001972	-0.1611	0	0.066	1 Undiff-G COX10
FKBPL	0.001972	-0.18478	0	0.066	1 Undiff-G FKBPL

MBD2	0.001972	-0.18553	0	0.066	1 Undiff-G MBD2
DIAPH2	0.001972	-0.23303	0	0.066	1 Undiff-G DIAPH2
STRN3	0.001973	0.303265	0.037	0.131	1 Undiff-G STRN3
AUH	0.001985	-0.11002	0.007	0.08	1 Undiff-G AUH
DMPK	0.001986	-0.14332	0	0.066	1 Undiff-G DMPK
KCTD18	0.001986	-0.1866	0	0.066	1 Undiff-G KCTD18
PUS1	0.001991	-0.17043	0.007	0.08	1 Undiff-G PUS1
STAC3	0.001999	-0.23221	0.007	0.08	1 Undiff-G STAC3
DPY19L1	0.002	-0.14836	0.022	0.105	1 Undiff-G DPY19L1
PLCE1	0.002001	-0.16453	0	0.066	1 Undiff-G PLCE1
SP140L	0.002007	-0.27968	0.007	0.079	1 Undiff-G SP140L
TIAM2	0.002009	-0.16583	0.007	0.08	1 Undiff-G TIAM2
SLC35G2	0.002014	0.174269	0.029	0.118	1 Undiff-G SLC35G2
SPDL1	0.002016	-0.1615	0	0.066	1 Undiff-G SPDL1
IL4I1	0.002016	-0.27641	0	0.066	1 Undiff-G IL4I1
MT1F	0.00202	0.648439	0.14	0.307	1 Undiff-G MT1F
RNF121	0.002031	0.405117	0.022	0.106	1 Undiff-G RNF121
FBX032	0.002034	0.253483	0.051	0.155	1 Undiff-G FBX032
PDGFD	0.002038	-0.12726	0.007	0.08	1 Undiff-G PDGFD
DOT1L	0.002044	-0.14694	0.007	0.08	1 Undiff-G DOT1L
SOCS5	0.002045	-0.16451	0	0.065	1 Undiff-G SOCS5
GXYLT1	0.002045	-0.18004	0	0.065	1 Undiff-G GXYLT1
METTL21B	0.002045	-0.18439	0	0.065	1 Undiff-G METTL21B
PEG3	0.002045	-0.19302	0	0.065	1 Undiff-G PEG3
RPRD2	0.002053	0.189337	0.037	0.131	1 Undiff-G RPRD2
TMED8	0.00206	-0.16107	0	0.065	1 Undiff-G TMED8
NLE1	0.00206	-0.16107	0	0.065	1 Undiff-G NLE1
RAB6B	0.00206	-0.16349	0	0.065	1 Undiff-G RAB6B
GAN	0.00207	0.183008	0.044	0.143	1 Undiff-G GAN
KIAA0895L	0.00207	-0.17072	0.015	0.092	1 Undiff-G KIAA0895L
BATF3	0.002074	0.114215	0.015	0.093	1 Undiff-G BATF3
CCDC136	0.002075	-0.15204	0.015	0.092	1 Undiff-G CCDC136
SELO	0.002075	-0.16618	0	0.065	1 Undiff-G SELO
PIK3AP1	0.002075	-0.2513	0	0.065	1 Undiff-G PIK3AP1
IKZF1	0.002075	-0.28354	0	0.065	1 Undiff-G IKZF1
CTHRC1	0.00209	-0.13498	0	0.065	1 Undiff-G CTHRC1
TAF8	0.002103	-0.15673	0.015	0.092	1 Undiff-G TAF8
DBX2	0.002105	-0.1388	0	0.065	1 Undiff-G DBX2
SOX21-AS1	0.002105	-0.1395	0	0.065	1 Undiff-G SOX21-AS1
CACTIN	0.002105	-0.13978	0	0.065	1 Undiff-G CACTIN
KHDC1	0.002105	-0.19227	0	0.065	1 Undiff-G KHDC1
HDAC11	0.002105	-0.22044	0	0.065	1 Undiff-G HDAC11
TMEM2	0.002105	-0.22722	0	0.065	1 Undiff-G TMEM2
DBR1	0.002111	-0.18616	0.007	0.079	1 Undiff-G DBR1
ZNF436	0.002113	-0.14152	0.007	0.079	1 Undiff-G ZNF436
FKBP11	0.002115	0.274957	0.029	0.117	1 Undiff-G FKBP11
KCTD1	0.002121	-0.15282	0	0.065	1 Undiff-G KCTD1
TTLL3	0.002121	-0.17005	0	0.065	1 Undiff-G TTLL3
ORC2	0.002121	-0.18244	0	0.065	1 Undiff-G ORC2
SYTL3	0.002121	-0.31885	0	0.065	1 Undiff-G SYTL3
HILPDA	0.002123	1.554594	0.279	0.226	1 Undiff-G HILPDA

DENND1B	0.002124	-0.156	0.015	0.092	1 Undiff-G DENND1B
C3orf62	0.002129	-0.13607	0.007	0.079	1 Undiff-G C3orf62
CNST	0.002136	-0.18198	0	0.065	1 Undiff-G CNST
FAM175A	0.002136	-0.20893	0	0.065	1 Undiff-G FAM175A
ZMYM3	0.002138	-0.13939	0.007	0.079	1 Undiff-G ZMYM3
PTPN7	0.002148	-0.20673	0.007	0.079	1 Undiff-G PTPN7
C14orf132	0.002151	-0.1972	0.015	0.092	1 Undiff-G C14orf132
KANSL3	0.002152	-0.18219	0	0.065	1 Undiff-G KANSL3
LRRC57	0.002152	-0.18692	0	0.065	1 Undiff-G LRRC57
RP5-827C2	0.002152	-0.19782	0	0.065	1 Undiff-G RP5-827C21.4
ZNF720	0.002158	0.487317	0.037	0.13	1 Undiff-G ZNF720
EMP1	0.002158	0.491911	0.066	0.18	1 Undiff-G EMP1
TMEM64	0.002168	-0.15831	0	0.065	1 Undiff-G TMEM64
BDNF-AS	0.002168	-0.16474	0	0.065	1 Undiff-G BDNF-AS
AFF1	0.002168	-0.18221	0	0.065	1 Undiff-G AFF1
NIM1K	0.002168	-0.19031	0	0.065	1 Undiff-G NIM1K
LRRC61	0.002168	-0.22118	0	0.065	1 Undiff-G LRRC61
SLC9A9	0.002168	-0.22381	0.007	0.079	1 Undiff-G SLC9A9
CXXC4	0.002168	-0.18266	0.007	0.079	1 Undiff-G CXXC4
CAMTA2	0.002172	-0.13716	0.007	0.079	1 Undiff-G CAMTA2
LIPT1	0.002173	-0.14113	0.007	0.079	1 Undiff-G LIPT1
CHST3	0.002183	-0.12803	0	0.065	1 Undiff-G CHST3
MFSD6	0.002183	-0.17796	0	0.065	1 Undiff-G MFSD6
ZNF384	0.002183	-0.18268	0	0.065	1 Undiff-G ZNF384
NEK3	0.002183	-0.18874	0	0.065	1 Undiff-G NEK3
MAP3K3	0.002183	-0.20054	0	0.065	1 Undiff-G MAP3K3
MX2	0.002183	-0.28918	0	0.065	1 Undiff-G MX2
FLVCR1	0.002189	-0.14026	0.007	0.079	1 Undiff-G FLVCR1
BCL3	0.002198	-0.18914	0.007	0.078	1 Undiff-G BCL3
SLC35E4	0.002199	-0.1356	0	0.065	1 Undiff-G SLC35E4
ENKD1	0.002199	-0.1453	0	0.065	1 Undiff-G ENKD1
PHC1	0.002214	-0.15073	0.007	0.079	1 Undiff-G PHC1
ERAP1	0.002215	-0.18293	0	0.065	1 Undiff-G ERAP1
HELQ	0.002215	-0.19648	0	0.065	1 Undiff-G HELQ
ORC6	0.00222	-0.10836	0.015	0.092	1 Undiff-G ORC6
GJC1	0.002231	-0.1274	0	0.064	1 Undiff-G GJC1
SMN1	0.002231	-0.18088	0	0.064	1 Undiff-G SMN1
PLEKHA5	0.002231	-0.18582	0	0.064	1 Undiff-G PLEKHA5
TMEM144	0.002232	-0.37874	0.007	0.078	1 Undiff-G TMEM144
ALG6	0.002236	0.197741	0.022	0.104	1 Undiff-G ALG6
MAP3K4	0.002238	-0.14076	0.015	0.091	1 Undiff-G MAP3K4
ZNF558	0.00224	-0.1701	0.007	0.078	1 Undiff-G ZNF558
GSE1	0.002245	-0.14596	0.015	0.092	1 Undiff-G GSE1
RHOH	0.00225	-0.34247	0.007	0.078	1 Undiff-G RHOH
METTL15	0.00226	0.188585	0.037	0.129	1 Undiff-G METTL15
ARID2	0.002261	-0.12626	0.022	0.104	1 Undiff-G ARID2
TIPIN	0.002262	0.173703	0.044	0.142	1 Undiff-G TIPIN
ATXN7L3	0.002264	-0.15793	0	0.064	1 Undiff-G ATXN7L3
TFEB	0.00227	-0.17894	0.007	0.078	1 Undiff-G TFEB
UBR1	0.002277	-0.1548	0.007	0.078	1 Undiff-G UBR1
B3GALNT2	0.002292	-0.1219	0.015	0.092	1 Undiff-G B3GALNT2

SHOX2	0.002297	-0.13308	0	0.064	1 Undiff-G SHOX2
ULK2	0.002297	-0.15862	0	0.064	1 Undiff-G ULK2
STRN	0.002297	-0.16658	0	0.064	1 Undiff-G STRN
DUOX1	0.002297	-0.19459	0	0.064	1 Undiff-G DUOX1
MMS22L	0.002297	-0.19837	0	0.064	1 Undiff-G MMS22L
SLAMF8	0.002297	-0.26983	0	0.064	1 Undiff-G SLAMF8
MLYCD	0.002298	-0.16195	0.007	0.078	1 Undiff-G MLYCD
AURKA	0.002301	-0.18365	0.007	0.078	1 Undiff-G AURKA
REC8	0.002309	-0.20626	0.007	0.078	1 Undiff-G REC8
TLE2	0.002309	-0.16284	0.015	0.091	1 Undiff-G TLE2
TTL12	0.002314	-0.15339	0	0.064	1 Undiff-G TTL12
SGSH	0.002314	-0.16104	0	0.064	1 Undiff-G SGSH
ZMYM6	0.002314	-0.18637	0	0.064	1 Undiff-G ZMYM6
CCNB2	0.002314	-0.24737	0	0.064	1 Undiff-G CCNB2
HIST2H2AA	0.002314	-0.25748	0	0.064	1 Undiff-G HIST2H2AA3
ADCY7	0.002314	-0.26805	0	0.064	1 Undiff-G ADCY7
GLMN	0.002316	-0.14093	0.015	0.091	1 Undiff-G GLMN
ARMC8	0.002319	0.629186	0.081	0.202	1 Undiff-G ARMC8
CXorf56	0.002322	-0.16158	0.007	0.078	1 Undiff-G CXorf56
IL1RL1	0.002324	0.306524	0.015	0.002	1 Undiff-G IL1RL1
SFMBT2	0.002324	-0.22131	0.007	0.078	1 Undiff-G SFMBT2
PIBF1	0.002325	-0.16557	0.015	0.091	1 Undiff-G PIBF1
MMP15	0.002331	-0.13718	0	0.064	1 Undiff-G MMP15
CRIM1	0.002331	-0.14615	0	0.064	1 Undiff-G CRIM1
C22orf29	0.002331	-0.16012	0	0.064	1 Undiff-G C22orf29
ZRANB1	0.002331	-0.18266	0	0.064	1 Undiff-G ZRANB1
NEU4	0.002331	-0.27074	0	0.064	1 Undiff-G NEU4
PAQR3	0.00234	-0.16515	0.007	0.077	1 Undiff-G PAQR3
PIK3CB	0.002348	-0.17298	0	0.064	1 Undiff-G PIK3CB
FMNL3	0.002361	-0.20193	0.007	0.078	1 Undiff-G FMNL3
RBM28	0.002363	0.11487	0.059	0.164	1 Undiff-G RBM28
NCAPG2	0.002365	-0.17335	0	0.064	1 Undiff-G NCAPG2
SETD7	0.002381	0.121067	0.022	0.104	1 Undiff-G SETD7
HEATR6	0.002382	-0.16414	0	0.064	1 Undiff-G HEATR6
ADAM22	0.002382	-0.18547	0	0.064	1 Undiff-G ADAM22
CTU1	0.002408	-0.12625	0.007	0.078	1 Undiff-G CTU1
DACT3	0.00241	-0.11794	0.007	0.078	1 Undiff-G DACT3
GIMAP2	0.00241	-0.17267	0.007	0.078	1 Undiff-G GIMAP2
CASD1	0.002411	-0.16556	0.007	0.078	1 Undiff-G CASD1
NXPH4	0.002417	-0.21135	0	0.064	1 Undiff-G NXPH4
TMEM37	0.002417	-0.28581	0	0.064	1 Undiff-G TMEM37
THUMP2	0.00242	-0.12389	0.015	0.091	1 Undiff-G THUMP2
CCDC18	0.002429	-0.1884	0.007	0.077	1 Undiff-G CCDC18
USP12	0.002435	-0.16939	0	0.063	1 Undiff-G USP12
RAB39B	0.002442	0.225926	0.015	0.091	1 Undiff-G RAB39B
ADCK4	0.002447	0.208942	0.037	0.128	1 Undiff-G ADCK4
UNC119B	0.002452	-0.14434	0	0.063	1 Undiff-G UNC119B
PITRM1	0.002452	-0.1761	0	0.063	1 Undiff-G PITRM1
MEX3B	0.002452	-0.18922	0	0.063	1 Undiff-G MEX3B
HRK	0.002452	-0.20007	0	0.063	1 Undiff-G HRK
AHR	0.002452	-0.23699	0	0.063	1 Undiff-G AHR



MKI67	0.002452	-0.24425	0	0.063	1 Undiff-G MKI67
RRM2	0.002452	-0.25999	0	0.063	1 Undiff-G RRM2
FAM131B	0.002453	-0.18378	0.007	0.077	1 Undiff-G FAM131B
HHLA3	0.002455	0.219719	0.044	0.141	1 Undiff-G HHLA3
ZFP64	0.002462	-0.12627	0.007	0.077	1 Undiff-G ZFP64
CALR	0.002464	0.662866	0.331	0.696	1 Undiff-G CALR
ZNF582-AS	0.002469	-0.22005	0.007	0.077	1 Undiff-G ZNF582-AS1
FAM76A	0.002469	-0.12077	0.015	0.09	1 Undiff-G FAM76A
FBX045	0.00247	-0.14547	0	0.063	1 Undiff-G FBX045
SLC25A40	0.00247	-0.19876	0	0.063	1 Undiff-G SLC25A40
NANOS3	0.002488	-0.14104	0	0.063	1 Undiff-G NANOS3
MFHAS1	0.002488	-0.1564	0	0.063	1 Undiff-G MFHAS1
LGALSL	0.002488	-0.16115	0	0.063	1 Undiff-G LGALSL
ACTL6B	0.002492	-0.22522	0.007	0.077	1 Undiff-G ACTL6B
FARS2	0.002494	0.337507	0.029	0.116	1 Undiff-G FARS2
SARM1	0.002506	-0.15288	0	0.063	1 Undiff-G SARM1
NICN1	0.002506	-0.18675	0	0.063	1 Undiff-G NICN1
DTX2	0.002506	-0.19829	0	0.063	1 Undiff-G DTX2
LMBRD2	0.002513	-0.15958	0.007	0.077	1 Undiff-G LMBRD2
PDE4A	0.002514	-0.18858	0.015	0.09	1 Undiff-G PDE4A
NLK	0.002522	-0.13778	0.007	0.077	1 Undiff-G NLK
ITGA2	0.002525	-0.14531	0	0.063	1 Undiff-G ITGA2
TECPR2	0.002525	-0.18036	0	0.063	1 Undiff-G TECPR2
PTPN23	0.002529	-0.11991	0.007	0.077	1 Undiff-G PTPN23
THEM4	0.00253	-0.13375	0.007	0.077	1 Undiff-G THEM4
ANKHD1	0.002532	-0.14646	0.007	0.077	1 Undiff-G ANKHD1
HIST1H1C	0.002533	0.654665	0.074	0.19	1 Undiff-G HIST1H1C
AGL	0.002536	-0.16224	0.015	0.09	1 Undiff-G AGL
PANK3	0.002537	0.161301	0.029	0.115	1 Undiff-G PANK3
RGAG4	0.002543	-0.1288	0	0.063	1 Undiff-G RGAG4
SYNDIG1	0.002548	-0.19563	0.015	0.09	1 Undiff-G SYNDIG1
AKAP6	0.002557	-0.12271	0.022	0.103	1 Undiff-G AKAP6
GAB1	0.002558	0.10132	0.022	0.102	1 Undiff-G GAB1
ABCA3	0.002559	-0.13042	0.007	0.077	1 Undiff-G ABCA3
MIEF2	0.002561	-0.15524	0	0.063	1 Undiff-G MIEF2
RAB24	0.002561	-0.16087	0	0.063	1 Undiff-G RAB24
ZDHHC5	0.002561	-0.17792	0	0.063	1 Undiff-G ZDHHC5
PRMT3	0.002569	-0.1142	0.015	0.09	1 Undiff-G PRMT3
MEX3D	0.00258	-0.14178	0	0.063	1 Undiff-G MEX3D
TTI2	0.00258	-0.19053	0	0.063	1 Undiff-G TTI2
CLSPN	0.00258	-0.20068	0	0.063	1 Undiff-G CLSPN
NUF2	0.00258	-0.22381	0	0.063	1 Undiff-G NUF2
KBTBD4	0.002582	0.158044	0.015	0.09	1 Undiff-G KBTBD4
FASTKD1	0.002598	-0.19805	0.007	0.076	1 Undiff-G FASTKD1
EXOC6B	0.002599	-0.1711	0	0.063	1 Undiff-G EXOC6B
NOTCH4	0.002599	-0.18457	0	0.063	1 Undiff-G NOTCH4
TOMM40L	0.002599	-0.18947	0	0.063	1 Undiff-G TOMM40L
TMEM163	0.002599	-0.20893	0	0.063	1 Undiff-G TMEM163
SARS2	0.002608	-0.18642	0.007	0.076	1 Undiff-G SARS2
AVIL	0.002609	-0.15704	0.015	0.09	1 Undiff-G AVIL
NACAD	0.002613	-0.13492	0.015	0.09	1 Undiff-G NACAD

USP30	0.002618	-0.16111	0	0.063	1 Undiff-G USP30
DNAJA4	0.002618	-0.2511	0	0.063	1 Undiff-G DNAJA4
CHCHD4	0.002633	0.226962	0.029	0.115	1 Undiff-G CHCHD4
CEP97	0.002656	-0.14753	0.007	0.077	1 Undiff-G CEP97
PIGW	0.002656	-0.14986	0	0.062	1 Undiff-G PIGW
SNX30	0.002656	-0.20506	0	0.062	1 Undiff-G SNX30
PSMA6	0.002674	0.552338	0.096	0.225	1 Undiff-G PSMA6
CLYBL	0.002675	-0.21217	0	0.062	1 Undiff-G CLYBL
ZNF408	0.002682	-0.16507	0.007	0.076	1 Undiff-G ZNF408
RP11-264E	0.002696	0.340558	0.007	0.001	1 Undiff-G RP11-264B17.4
C4orf46	0.002702	-0.12542	0.007	0.076	1 Undiff-G C4orf46
TRAPPC13	0.002712	0.135598	0.029	0.114	1 Undiff-G TRAPPC13
VPS33B	0.002714	-0.15896	0	0.062	1 Undiff-G VPS33B
PEX6	0.002714	-0.17273	0	0.062	1 Undiff-G PEX6
RP11-138A	0.002714	-0.29105	0.022	0.1	1 Undiff-G RP11-138A9.2
XPO5	0.002718	-0.16311	0.007	0.076	1 Undiff-G XPO5
TVP23B	0.002735	0.32955	0.022	0.103	1 Undiff-G TVP23B
CLP1	0.002737	-0.20818	0.007	0.075	1 Undiff-G CLP1
NUP205	0.002754	-0.16185	0	0.062	1 Undiff-G NUP205
TGFBRAP1	0.002754	-0.1661	0	0.062	1 Undiff-G TGFBRAP1
TMEM120B	0.002754	-0.17222	0	0.062	1 Undiff-G TMEM120B
ZW10	0.002754	-0.17408	0	0.062	1 Undiff-G ZW10
DNMT3A	0.002765	-0.10534	0.022	0.101	1 Undiff-G DNMT3A
TMEM104	0.002774	-0.15849	0	0.062	1 Undiff-G TMEM104
AP006621.	0.002774	-0.15922	0	0.062	1 Undiff-G AP006621.5
ZBED3	0.002777	-0.1294	0.015	0.089	1 Undiff-G ZBED3
GS1-124K5	0.002786	0.212764	0.029	0.115	1 Undiff-G GS1-124K5.4
MICAL3	0.002792	-0.15238	0.007	0.076	1 Undiff-G MICAL3
TSEN2	0.002792	-0.12234	0.015	0.089	1 Undiff-G TSEN2
PVRL1	0.002794	-0.18905	0	0.062	1 Undiff-G PVRL1
HOXB7	0.002794	-0.2501	0	0.062	1 Undiff-G HOXB7
CAMK2B	0.002797	0.165235	0.029	0.115	1 Undiff-G CAMK2B
PUS7	0.002815	-0.15197	0	0.062	1 Undiff-G PUS7
PLCB2	0.002815	-0.2654	0	0.062	1 Undiff-G PLCB2
AC074289.	0.002815	-0.29393	0	0.062	1 Undiff-G AC074289.1
ZNF844	0.002816	-0.16357	0.007	0.076	1 Undiff-G ZNF844
HSBP1L1	0.002819	-0.22171	0.007	0.075	1 Undiff-G HSBP1L1
GFM2	0.002832	0.147502	0.015	0.089	1 Undiff-G GFM2
GTPBP3	0.002832	0.166692	0.029	0.113	1 Undiff-G GTPBP3
SLC46A1	0.002835	-0.16717	0	0.062	1 Undiff-G SLC46A1
SIRT1	0.002835	-0.17593	0	0.062	1 Undiff-G SIRT1
SMIM18	0.002835	-0.2122	0	0.062	1 Undiff-G SMIM18
CLDN12	0.002843	0.321705	0.044	0.139	1 Undiff-G CLDN12
PPP2R5D	0.002845	-0.16501	0.007	0.075	1 Undiff-G PPP2R5D
NFKB2	0.002856	-0.21579	0	0.062	1 Undiff-G NFKB2
FAM198B	0.002856	-0.25767	0	0.062	1 Undiff-G FAM198B
PICK1	0.002858	-0.15104	0.015	0.089	1 Undiff-G PICK1
GORAB	0.002861	-0.10117	0.007	0.076	1 Undiff-G GORAB
FAM220A	0.002864	-0.10475	0.007	0.076	1 Undiff-G FAM220A
DNM3	0.002869	-0.10552	0.015	0.089	1 Undiff-G DNM3
SLC2A13	0.002874	-0.14905	0.015	0.088	1 Undiff-G SLC2A13

MYO1G	0.002877	-0.24572	0	0.061	1 Undiff-G MYO1G
APBA3	0.002884	-0.12755	0.015	0.089	1 Undiff-G APBA3
MTRNR2L1C	0.002885	0.948312	0.132	0.073	1 Undiff-G MTRNR2L10
PTGR2	0.002891	-0.17057	0.007	0.075	1 Undiff-G PTGR2
MORC4	0.002897	-0.13043	0	0.061	1 Undiff-G MORC4
ZDHHC15	0.002897	-0.14154	0	0.061	1 Undiff-G ZDHHC15
ZBTB33	0.002897	-0.15612	0	0.061	1 Undiff-G ZBTB33
GRAMD4	0.002897	-0.18974	0	0.061	1 Undiff-G GRAMD4
SCAPER	0.002898	-0.10494	0.029	0.114	1 Undiff-G SCAPER
TNRC18	0.002901	-0.16732	0.007	0.075	1 Undiff-G TNRC18
SLC35D2	0.002911	0.322562	0.022	0.102	1 Undiff-G SLC35D2
MNS1	0.002915	-0.14235	0.007	0.075	1 Undiff-G MNS1
PPP1R14C	0.002919	-0.13489	0	0.061	1 Undiff-G PPP1R14C
NCS1	0.002919	-0.14721	0	0.061	1 Undiff-G NCS1
CACNB3	0.002919	-0.15045	0	0.061	1 Undiff-G CACNB3
B3GNTL1	0.002919	-0.16967	0	0.061	1 Undiff-G B3GNTL1
CAMK2G	0.00292	-0.11621	0.022	0.101	1 Undiff-G CAMK2G
CSGALNACT	0.00292	-0.20485	0.007	0.075	1 Undiff-G CSGALNACT1
PIGO	0.002922	-0.19112	0.007	0.075	1 Undiff-G PIGO
KLHL22	0.002931	-0.1096	0.015	0.089	1 Undiff-G KLHL22
CDCA4	0.002931	0.109672	0.015	0.089	1 Undiff-G CDCA4
CXorf40A	0.002934	0.158705	0.015	0.089	1 Undiff-G CXorf40A
TCTA	0.002937	0.315591	0.059	0.162	1 Undiff-G TCTA
CFI	0.00294	-0.20168	0	0.061	1 Undiff-G CFI
SGMS1	0.002961	-0.17081	0	0.061	1 Undiff-G SGMS1
LRRK2	0.002961	-0.22186	0	0.061	1 Undiff-G LRRK2
CCDC80	0.002971	0.372468	0.029	0.114	1 Undiff-G CCDC80
EFCAB11	0.002983	-0.16367	0	0.061	1 Undiff-G EFCAB11
PDK3	0.002983	-0.17909	0	0.061	1 Undiff-G PDK3
HOXA5	0.002983	-0.21112	0	0.061	1 Undiff-G HOXA5
BEST3	0.002991	-0.10704	0.015	0.088	1 Undiff-G BEST3
NIP7	0.002992	0.495929	0.066	0.173	1 Undiff-G NIP7
TAB1	0.003005	-0.14011	0.007	0.075	1 Undiff-G TAB1
TAGLN2	0.003013	0.59715	0.257	0.517	1 Undiff-G TAGLN2
ZNF512B	0.003015	-0.13044	0.007	0.075	1 Undiff-G ZNF512B
INTS1	0.003024	-0.14343	0.015	0.088	1 Undiff-G INTS1
NCOA2	0.003026	-0.16024	0	0.061	1 Undiff-G NCOA2
SENP7	0.003039	-0.14187	0.015	0.087	1 Undiff-G SENP7
LZTS1	0.003048	-0.14081	0	0.061	1 Undiff-G LZTS1
SH3BP5L	0.003048	-0.15148	0	0.061	1 Undiff-G SH3BP5L
ANKS1A	0.003048	-0.1649	0	0.061	1 Undiff-G ANKS1A
ASF1B	0.003048	-0.18967	0	0.061	1 Undiff-G ASF1B
ANKRD28	0.003053	0.298626	0.029	0.114	1 Undiff-G ANKRD28
SLC2A1	0.003056	0.448561	0.044	0.138	1 Undiff-G SLC2A1
NXPE3	0.003059	0.160651	0.015	0.088	1 Undiff-G NXPE3
CXorf23	0.00307	-0.14671	0	0.061	1 Undiff-G CXorf23
VPS37D	0.00307	-0.15873	0	0.061	1 Undiff-G VPS37D
GAPT	0.00307	-0.2777	0	0.061	1 Undiff-G GAPT
LRRC17	0.003072	-0.13125	0.007	0.075	1 Undiff-G LRRC17
MALT1	0.003075	-0.12007	0.007	0.075	1 Undiff-G MALT1
DDX3Y	0.003081	-0.13726	0.015	0.087	1 Undiff-G DDX3Y

PBXIP1	0.003089	0.247261	0.044	0.136	1 Undiff-G PBXIP1
CALHM2	0.003093	-0.21302	0	0.061	1 Undiff-G CALHM2
RDH13	0.003094	-0.12829	0.007	0.075	1 Undiff-G RDH13
SMG9	0.003095	0.414862	0.037	0.126	1 Undiff-G SMG9
TRIB3	0.003099	-0.12609	0.007	0.075	1 Undiff-G TRIB3
VIPAS39	0.003115	-0.16518	0.007	0.075	1 Undiff-G VIPAS39
TM4SF1	0.003115	0.334042	0.029	0.113	1 Undiff-G TM4SF1
MADD	0.003115	-0.18031	0	0.06	1 Undiff-G MADD
IMPA2	0.003115	-0.18921	0	0.06	1 Undiff-G IMPA2
MSANTD3	0.003126	0.297078	0.015	0.088	1 Undiff-G MSANTD3
CTB-113I2	0.003138	-0.13315	0	0.06	1 Undiff-G CTB-113I20.2
FAM193B	0.003138	-0.15875	0	0.06	1 Undiff-G FAM193B
NRSN1	0.003138	-0.17023	0	0.06	1 Undiff-G NRSN1
RMI1	0.003138	-0.17799	0	0.06	1 Undiff-G RMI1
ZNF124	0.003138	-0.22183	0	0.06	1 Undiff-G ZNF124
TTBK2	0.003138	-0.1206	0.007	0.075	1 Undiff-G TTBK2
COX7C	0.003148	0.5246	0.404	0.891	1 Undiff-G COX7C
HERC5	0.00315	-0.18911	0.007	0.074	1 Undiff-G HERC5
MPDZ	0.003159	-0.14234	0.015	0.087	1 Undiff-G MPDZ
SMOX	0.00316	0.767361	0.11	0.249	1 Undiff-G SMOX
TF	0.003174	-0.42415	0.007	0.074	1 Undiff-G TF
MAVS	0.003178	-0.12337	0.007	0.074	1 Undiff-G MAVS
FAM122B	0.003181	0.15348	0.022	0.1	1 Undiff-G FAM122B
MORC2	0.003184	-0.14526	0	0.06	1 Undiff-G MORC2
YTHDF3-AS	0.003184	-0.15125	0	0.06	1 Undiff-G YTHDF3-AS1
FAM69A	0.003184	-0.15959	0	0.06	1 Undiff-G FAM69A
ATAD2B	0.003184	-0.1633	0	0.06	1 Undiff-G ATAD2B
UTP15	0.003184	-0.16439	0	0.06	1 Undiff-G UTP15
SLC9A6	0.003184	-0.16862	0	0.06	1 Undiff-G SLC9A6
TDP1	0.003184	-0.1694	0	0.06	1 Undiff-G TDP1
TRIQQ	0.003184	-0.21537	0	0.06	1 Undiff-G TRIQQ
FAM20A	0.003184	-0.23844	0	0.06	1 Undiff-G FAM20A
C19orf53	0.003205	0.640252	0.338	0.687	1 Undiff-G C19orf53
MPP2	0.003207	-0.15354	0	0.06	1 Undiff-G MPP2
TBC1D10A	0.003211	-0.10497	0.007	0.074	1 Undiff-G TBC1D10A
SLC38A6	0.003226	0.302617	0.022	0.1	1 Undiff-G SLC38A6
SLC27A4	0.00323	-0.1513	0	0.06	1 Undiff-G SLC27A4
ZNF333	0.003237	-0.14104	0.015	0.087	1 Undiff-G ZNF333
TMA7	0.003245	0.486267	0.397	0.856	1 Undiff-G TMA7
LINC00909	0.003253	0.379743	0.029	0.113	1 Undiff-G LINC00909
PARD3	0.003254	-0.11195	0	0.06	1 Undiff-G PARD3
GLRB	0.003254	-0.14058	0	0.06	1 Undiff-G GLRB
RBM12B	0.003261	-0.13534	0.007	0.074	1 Undiff-G RBM12B
FLCN	0.00327	0.248849	0.044	0.137	1 Undiff-G FLCN
GAL3ST3	0.003277	-0.13751	0	0.06	1 Undiff-G GAL3ST3
ZNF530	0.003277	-0.15108	0	0.06	1 Undiff-G ZNF530
ZCWPW1	0.003301	-0.19078	0	0.06	1 Undiff-G ZCWPW1
ARNT	0.003322	-0.13351	0.007	0.074	1 Undiff-G ARNT
RCAN3	0.003325	-0.17344	0	0.06	1 Undiff-G RCAN3
LRRC8C	0.003325	-0.1953	0	0.06	1 Undiff-G LRRC8C
LRR1	0.003326	0.137742	0.015	0.087	1 Undiff-G LRR1

ASGR1	0.003337	-0.20378	0.007	0.074	1 Undiff-G ASGR1
UBP1	0.003338	-0.16547	0.007	0.073	1 Undiff-G UBP1
MED26	0.003341	-0.14097	0.007	0.074	1 Undiff-G MED26
GRB10	0.003356	-0.15599	0.007	0.074	1 Undiff-G GRB10
ZNF274	0.003357	0.203297	0.029	0.112	1 Undiff-G ZNF274
1-Mar	0.003373	-0.13315	0	0.06	1 Undiff-G 1-Mar
CCNYL1	0.003373	-0.14537	0	0.06	1 Undiff-G CCNYL1
KDM1B	0.003373	-0.15094	0	0.06	1 Undiff-G KDM1B
ZNF286A	0.003373	-0.16099	0	0.06	1 Undiff-G ZNF286A
PHF2	0.003373	-0.16537	0	0.06	1 Undiff-G PHF2
ZNF529	0.003373	-0.17381	0	0.06	1 Undiff-G ZNF529
KIFC1	0.003373	-0.19705	0	0.06	1 Undiff-G KIFC1
ZMYND19	0.003398	-0.12443	0	0.059	1 Undiff-G ZMYND19
SPSB4	0.003398	-0.12707	0	0.059	1 Undiff-G SPSB4
KCTD7	0.003398	-0.17221	0	0.059	1 Undiff-G KCTD7
IRF5	0.003398	-0.255	0	0.059	1 Undiff-G IRF5
GPSM1	0.003403	-0.10017	0.007	0.074	1 Undiff-G GPSM1
NEO1	0.003405	-0.15805	0.007	0.073	1 Undiff-G NEO1
ASPHD2	0.003423	-0.11154	0	0.059	1 Undiff-G ASPHD2
MCHR1	0.003423	-0.12215	0	0.059	1 Undiff-G MCHR1
ZNF496	0.003423	-0.14374	0	0.059	1 Undiff-G ZNF496
LRP4	0.003423	-0.17153	0	0.059	1 Undiff-G LRP4
MYT1L	0.003423	-0.22913	0	0.059	1 Undiff-G MYT1L
TRPV2	0.003423	-0.24262	0	0.059	1 Undiff-G TRPV2
SDS	0.003423	-0.33333	0	0.059	1 Undiff-G SDS
PTPRD	0.00343	-0.21137	0.007	0.073	1 Undiff-G PTPRD
KIF13A	0.003448	-0.14552	0	0.059	1 Undiff-G KIF13A
CCDC117	0.003448	-0.15262	0	0.059	1 Undiff-G CCDC117
BRPF1	0.003448	-0.15456	0	0.059	1 Undiff-G BRPF1
WARS2	0.003448	-0.16855	0	0.059	1 Undiff-G WARS2
PDLIM4	0.003449	-0.18745	0.007	0.073	1 Undiff-G PDLIM4
PAQR6	0.003452	-0.21005	0.007	0.073	1 Undiff-G PAQR6
TUBG2	0.003458	0.13999	0.029	0.111	1 Undiff-G TUBG2
SLC1A4	0.003469	-0.14019	0.007	0.073	1 Undiff-G SLC1A4
SH3BGR	0.003472	0.291833	0.037	0.124	1 Undiff-G SH3BGR
ATR	0.003473	-0.15466	0	0.059	1 Undiff-G ATR
SWSAP1	0.003473	-0.19559	0	0.059	1 Undiff-G SWSAP1
ZNHIT2	0.003491	-0.1402	0.015	0.086	1 Undiff-G ZNHIT2
ZNF318	0.003498	-0.14606	0	0.059	1 Undiff-G ZNF318
ZNF687	0.003498	-0.16428	0	0.059	1 Undiff-G ZNF687
LYSMD3	0.003498	-0.18655	0	0.059	1 Undiff-G LYSMD3
WNT5A	0.003498	-0.21416	0	0.059	1 Undiff-G WNT5A
ZBTB48	0.003498	0.243802	0.015	0.087	1 Undiff-G ZBTB48
CBX8	0.00352	-0.16088	0.007	0.073	1 Undiff-G CBX8
CLSTN3	0.003523	-0.16195	0	0.059	1 Undiff-G CLSTN3
ERBB4	0.003523	-0.19854	0	0.059	1 Undiff-G ERBB4
SLC39A8	0.003523	-0.21126	0	0.059	1 Undiff-G SLC39A8
GPRIN3	0.003523	-0.24059	0	0.059	1 Undiff-G GPRIN3
GMPPA	0.003527	0.584308	0.059	0.161	1 Undiff-G GMPPA
AP5S1	0.003535	-0.1016	0.022	0.099	1 Undiff-G AP5S1
AEBP1	0.003548	0.180295	0.037	0.122	1 Undiff-G AEBP1

FAM69B	0.003549	-0.11312	0	0.059	1 Undiff-G FAM69B
PLAGL2	0.003549	-0.1414	0	0.059	1 Undiff-G PLAGL2
ZBTB45	0.003549	-0.14221	0	0.059	1 Undiff-G ZBTB45
ADCY3	0.003549	-0.18028	0	0.059	1 Undiff-G ADCY3
HPSE	0.003549	-0.26429	0	0.059	1 Undiff-G HPSE
DNAJC13	0.003568	-0.15561	0.007	0.073	1 Undiff-G DNAJC13
SPATA5L1	0.003575	-0.13872	0	0.059	1 Undiff-G SPATA5L1
GRPEL2	0.003575	-0.16732	0	0.059	1 Undiff-G GRPEL2
PDE4D	0.003584	0.145727	0.022	0.099	1 Undiff-G PDE4D
MTHFSD	0.003601	-0.15637	0	0.059	1 Undiff-G MTHFSD
PDIK1L	0.003601	-0.15724	0	0.059	1 Undiff-G PDIK1L
RP11-698N	0.003601	-0.16525	0	0.059	1 Undiff-G RP11-698N11.2
GLRX	0.003604	0.761651	0.191	0.391	1 Undiff-G GLRX
HOXA2	0.003605	-0.153	0.007	0.073	1 Undiff-G HOXA2
OMA1	0.003616	-0.17003	0.007	0.073	1 Undiff-G OMA1
WRN	0.003627	-0.14774	0	0.059	1 Undiff-G WRN
TMEM169	0.003627	-0.15179	0	0.059	1 Undiff-G TMEM169
ZBTB24	0.003627	-0.16892	0	0.059	1 Undiff-G ZBTB24
TARS2	0.003635	0.423817	0.029	0.112	1 Undiff-G TARS2
COX6B1	0.00364	0.57487	0.397	0.851	1 Undiff-G COX6B1
RFWD3	0.003653	-0.15417	0	0.059	1 Undiff-G RFWD3
KCND3	0.00368	-0.13863	0	0.059	1 Undiff-G KCND3
ZNF35	0.00368	-0.14739	0	0.059	1 Undiff-G ZNF35
CTNNA2	0.00368	-0.20224	0	0.059	1 Undiff-G CTNNA2
CAPS	0.003691	-0.18679	0.007	0.072	1 Undiff-G CAPS
HEG1	0.003691	-0.11318	0.007	0.073	1 Undiff-G HEG1
SYNM	0.003693	-0.13004	0.007	0.072	1 Undiff-G SYNM
TIPARP	0.003696	0.539349	0.066	0.17	1 Undiff-G TIPARP
STK10	0.003713	-0.17919	0.007	0.072	1 Undiff-G STK10
EEPDI	0.00372	-0.18948	0.007	0.072	1 Undiff-G EEPDI
WDFY2	0.003728	-0.18428	0.015	0.085	1 Undiff-G WDFY2
ZNF74	0.003733	-0.14035	0	0.058	1 Undiff-G ZNF74
PPARA	0.003733	-0.15809	0	0.058	1 Undiff-G PPARA
CCL26	0.003743	0.487735	0.015	0.002	1 Undiff-G CCL26
EVA1C	0.003748	-0.13796	0.007	0.072	1 Undiff-G EVA1C
PIGU	0.003749	0.569481	0.066	0.172	1 Undiff-G PIGU
CHM	0.003752	0.142292	0.015	0.086	1 Undiff-G CHM
FLRT3	0.00376	-0.14652	0	0.058	1 Undiff-G FLRT3
MFAP3	0.003788	-0.1391	0	0.058	1 Undiff-G MFAP3
ZNF398	0.003788	-0.15575	0	0.058	1 Undiff-G ZNF398
FAXDC2	0.003788	-0.18572	0	0.058	1 Undiff-G FAXDC2
ABHD15	0.003788	-0.20378	0	0.058	1 Undiff-G ABHD15
SLC46A3	0.003788	-0.22135	0	0.058	1 Undiff-G SLC46A3
HHEX	0.003788	-0.266	0	0.058	1 Undiff-G HHEX
ZNF786	0.00379	-0.13609	0.007	0.072	1 Undiff-G ZNF786
ZNF236	0.003807	-0.13654	0.007	0.072	1 Undiff-G ZNF236
POLG2	0.003808	-0.14747	0.015	0.085	1 Undiff-G POLG2
FRMD5	0.003815	-0.11434	0	0.058	1 Undiff-G FRMD5
SHB	0.003815	-0.13386	0	0.058	1 Undiff-G SHB
KLF16	0.003815	-0.14942	0	0.058	1 Undiff-G KLF16
CTD-2017D	0.003815	-0.15508	0	0.058	1 Undiff-G CTD-2017D11.1

MANSC1	0.003815	-0.1617	0	0.058	1 Undiff-G	MANSC1
IPO11	0.003815	-0.17379	0	0.058	1 Undiff-G	IPO11
TOM1L1	0.003843	-0.11331	0	0.058	1 Undiff-G	TOM1L1
TCF20	0.003843	-0.16373	0	0.058	1 Undiff-G	TCF20
TPRG1L	0.003843	-0.16692	0	0.058	1 Undiff-G	TPRG1L
BTN2A2	0.003863	-0.16677	0.007	0.072	1 Undiff-G	BTN2A2
PPP1R9A	0.003865	-0.17281	0.007	0.072	1 Undiff-G	PPP1R9A
USPL1	0.003874	-0.1603	0.007	0.072	1 Undiff-G	USPL1
VPS13D	0.003875	-0.17516	0.007	0.072	1 Undiff-G	VPS13D
ETFDH	0.003877	0.322672	0.037	0.123	1 Undiff-G	ETFDH
DUSP18	0.003884	-0.12765	0.015	0.085	1 Undiff-G	DUSP18
CPEB2	0.003886	-0.16401	0.007	0.072	1 Undiff-G	CPEB2
CACNA1A	0.003886	-0.16263	0.022	0.096	1 Undiff-G	CACNA1A
EYA4	0.003899	-0.10283	0	0.058	1 Undiff-G	EYA4
RAD18	0.003899	-0.14875	0	0.058	1 Undiff-G	RAD18
PLBD2	0.003899	-0.17746	0	0.058	1 Undiff-G	PLBD2
CBX7	0.003917	-0.20054	0.007	0.072	1 Undiff-G	CBX7
F11R	0.003927	-0.23217	0	0.058	1 Undiff-G	F11R
RASAL3	0.003927	-0.24286	0	0.058	1 Undiff-G	RASAL3
AQR	0.003938	-0.16736	0.007	0.072	1 Undiff-G	AQR
OPHN1	0.00395	-0.13855	0.007	0.072	1 Undiff-G	OPHN1
ZP3	0.003954	-0.10281	0.007	0.072	1 Undiff-G	ZP3
PDSS1	0.003956	-0.13539	0	0.058	1 Undiff-G	PDSS1
SIK2	0.003956	-0.16074	0	0.058	1 Undiff-G	SIK2
LDLRAP1	0.003956	-0.1734	0	0.058	1 Undiff-G	LDLRAP1
HAUS3	0.003958	-0.14928	0.015	0.085	1 Undiff-G	HAUS3
RTN2	0.003965	-0.16995	0.015	0.085	1 Undiff-G	RTN2
ZNF273	0.003966	0.104865	0.015	0.085	1 Undiff-G	ZNF273
AMH	0.003984	-0.13374	0	0.058	1 Undiff-G	AMH
ASB13	0.003984	-0.13693	0	0.058	1 Undiff-G	ASB13
SIX1	0.003984	-0.15371	0	0.058	1 Undiff-G	SIX1
POLD1	0.003984	-0.16131	0	0.058	1 Undiff-G	POLD1
PDZRN3	0.003984	-0.16557	0	0.058	1 Undiff-G	PDZRN3
GHRL	0.003984	-0.20808	0	0.058	1 Undiff-G	GHRL
ZNF8	0.003986	0.454055	0.022	0.005	1 Undiff-G	ZNF8
PARP4	0.003991	-0.15476	0.015	0.085	1 Undiff-G	PARP4
PCDHB7	0.003994	-0.16673	0.007	0.072	1 Undiff-G	PCDHB7
POLR1C	0.004003	0.334998	0.037	0.122	1 Undiff-G	POLR1C
TARBP1	0.004008	-0.13936	0.007	0.072	1 Undiff-G	TARBP1
DLX6	0.004013	-0.2217	0	0.057	1 Undiff-G	DLX6
COX18	0.004018	-0.15459	0.007	0.071	1 Undiff-G	COX18
ALS2	0.004042	-0.1363	0	0.057	1 Undiff-G	ALS2
CHUK	0.004042	-0.15649	0	0.057	1 Undiff-G	CHUK
VEGFA	0.004062	0.606214	0.096	0.217	1 Undiff-G	VEGFA
SCAI	0.004063	-0.12092	0.015	0.084	1 Undiff-G	SCAI
RCCD1	0.004072	-0.15415	0	0.057	1 Undiff-G	RCCD1
FAM184B	0.004078	0.264277	0.029	0.109	1 Undiff-G	FAM184B
IFIT5	0.004092	-0.15515	0.015	0.084	1 Undiff-G	IFIT5
VPS54	0.004101	-0.14732	0	0.057	1 Undiff-G	VPS54
POC1A	0.004101	-0.15413	0	0.057	1 Undiff-G	POC1A
CMPK2	0.004101	-0.19937	0	0.057	1 Undiff-G	CMPK2

IKBKE	0.004101	-0.21704	0	0.057	1 Undiff-G IKBKE
ZNF514	0.004107	0.191109	0.015	0.085	1 Undiff-G ZNF514
IFT80	0.00411	-0.13019	0.007	0.071	1 Undiff-G IFT80
GDF15	0.004116	-0.288	0.007	0.071	1 Undiff-G GDF15
CPOX	0.004119	-0.14378	0.007	0.071	1 Undiff-G CPOX
LAYN	0.004131	-0.12442	0	0.057	1 Undiff-G LAYN
RBM45	0.004146	-0.19928	0.007	0.07	1 Undiff-G RBM45
SMAD9	0.004187	-0.12617	0.007	0.071	1 Undiff-G SMAD9
MBTD1	0.004191	-0.14488	0	0.057	1 Undiff-G MBTD1
TMEM178B	0.004191	-0.14642	0	0.057	1 Undiff-G TMEM178B
ZNF275	0.004191	-0.14918	0	0.057	1 Undiff-G ZNF275
CDK1	0.004214	0.310196	0.022	0.097	1 Undiff-G CDK1
CCNA2	0.004221	-0.19089	0	0.057	1 Undiff-G CCNA2
FPR3	0.004221	-0.23026	0	0.057	1 Undiff-G FPR3
HLA-DRB1	0.004234	0.419659	0.272	0.536	1 Undiff-G HLA-DRB1
CAMKK2	0.004239	-0.12661	0.007	0.071	1 Undiff-G CAMKK2
PITPNM1	0.004252	-0.1361	0	0.057	1 Undiff-G PITPNM1
FHOD1	0.004252	-0.19999	0	0.057	1 Undiff-G FHOD1
NADSYN1	0.004253	0.346912	0.037	0.121	1 Undiff-G NADSYN1
TBC1D13	0.004258	-0.17107	0.007	0.07	1 Undiff-G TBC1D13
LRRC1	0.004279	-0.15763	0.007	0.071	1 Undiff-G LRRC1
TRNT1	0.00428	0.278704	0.044	0.133	1 Undiff-G TRNT1
SAPCD2	0.004283	-0.15777	0	0.057	1 Undiff-G SAPCD2
C10orf76	0.004283	-0.1889	0	0.057	1 Undiff-G C10orf76
AK4	0.004308	0.468184	0.074	0.181	1 Undiff-G AK4
HSD17B1	0.004314	-0.11423	0	0.057	1 Undiff-G HSD17B1
MTM1	0.004314	-0.15311	0	0.057	1 Undiff-G MTM1
TMEM156	0.004314	-0.27591	0	0.057	1 Undiff-G TMEM156
B3GAT2	0.004326	-0.14794	0.015	0.084	1 Undiff-G B3GAT2
ALDH5A1	0.004345	-0.12499	0	0.057	1 Undiff-G ALDH5A1
HECTD3	0.004345	-0.14323	0	0.057	1 Undiff-G HECTD3
VPS13B	0.004345	-0.15335	0	0.057	1 Undiff-G VPS13B
HOXA3	0.004345	-0.18676	0	0.057	1 Undiff-G HOXA3
TFEC	0.004345	-0.23978	0	0.057	1 Undiff-G TFEC
PIKFYVE	0.004351	-0.11172	0.015	0.083	1 Undiff-G PIKFYVE
KDM5C	0.004354	0.304393	0.029	0.109	1 Undiff-G KDM5C
DYRK2	0.004377	-0.13909	0	0.056	1 Undiff-G DYRK2
RP6-91H8.	0.004377	-0.29536	0	0.056	1 Undiff-G RP6-91H8. 3
MED14	0.004406	-0.16251	0.007	0.07	1 Undiff-G MED14
SBN02	0.004409	-0.13938	0	0.056	1 Undiff-G SBN02
AGAP2	0.004409	-0.17933	0	0.056	1 Undiff-G AGAP2
UPP1	0.004423	0.886597	0.118	0.256	1 Undiff-G UPP1
POC1B	0.004424	0.100802	0.015	0.084	1 Undiff-G POC1B
ARMC5	0.004426	-0.13204	0.007	0.07	1 Undiff-G ARMC5
EARS2	0.004441	-0.13659	0	0.056	1 Undiff-G EARS2
FAM214A	0.004441	-0.15609	0	0.056	1 Undiff-G FAM214A
ANTXR2	0.004441	-0.16135	0	0.056	1 Undiff-G ANTXR2
TLR7	0.004441	-0.27707	0	0.056	1 Undiff-G TLR7
FKRP	0.004473	-0.12723	0	0.056	1 Undiff-G FKRP
SLC30A6	0.004473	-0.14898	0	0.056	1 Undiff-G SLC30A6
AKT3	0.004473	-0.16438	0	0.056	1 Undiff-G AKT3



TXNDC16	0.004473	-0.167	0	0.056	1 Undiff-G TXNDC16
PEAK1	0.004485	-0.15373	0.007	0.07	1 Undiff-G PEAK1
B9D2	0.004502	0.187471	0.015	0.084	1 Undiff-G B9D2
SYNJ1	0.004505	-0.13526	0	0.056	1 Undiff-G SYNJ1
SETMAR	0.004505	-0.16476	0	0.056	1 Undiff-G SETMAR
C3orf33	0.004505	-0.16532	0	0.056	1 Undiff-G C3orf33
SPN	0.004505	-0.2431	0	0.056	1 Undiff-G SPN
RP5-1085F	0.004515	-0.10674	0.022	0.095	1 Undiff-G RP5-1085F17.3
ZNF324	0.004518	-0.1391	0.015	0.083	1 Undiff-G ZNF324
CXorf38	0.004518	-0.15519	0.007	0.07	1 Undiff-G CXorf38
TMEM145	0.004526	-0.12329	0.007	0.07	1 Undiff-G TMEM145
TMEM187	0.004527	0.146029	0.015	0.083	1 Undiff-G TMEM187
TXNL4B	0.004528	0.163477	0.022	0.096	1 Undiff-G TXNL4B
TTC13	0.00453	-0.11126	0.007	0.07	1 Undiff-G TTC13
PGAM5	0.004538	-0.12757	0	0.056	1 Undiff-G PGAM5
KIAA1211L	0.004538	-0.13542	0	0.056	1 Undiff-G KIAA1211L
MTG1	0.004538	-0.1494	0	0.056	1 Undiff-G MTG1
LPCAT4	0.004542	-0.11729	0.007	0.07	1 Undiff-G LPCAT4
SERTAD1	0.004546	0.803751	0.154	0.318	1 Undiff-G SERTAD1
RP11-386G	0.004556	0.349835	0.051	0.145	1 Undiff-G RP11-386G11.10
NR2E1	0.004571	-0.11308	0	0.056	1 Undiff-G NR2E1
C17orf96	0.004571	-0.12359	0	0.056	1 Undiff-G C17orf96
MED18	0.004571	-0.1464	0	0.056	1 Undiff-G MED18
TTY15	0.004571	-0.15587	0	0.056	1 Undiff-G TTY15
DDX60L	0.004571	-0.18684	0	0.056	1 Undiff-G DDX60L
ARL17B	0.004604	-0.14397	0	0.056	1 Undiff-G ARL17B
DCLRE1B	0.004604	-0.14901	0	0.056	1 Undiff-G DCLRE1B
SUSD1	0.004604	-0.17095	0	0.056	1 Undiff-G SUSD1
USF1	0.004604	-0.20726	0	0.056	1 Undiff-G USF1
DOCK5	0.004604	-0.26335	0	0.056	1 Undiff-G DOCK5
ITM2A	0.004604	-0.27156	0	0.056	1 Undiff-G ITM2A
MICU3	0.004605	-0.12015	0.015	0.083	1 Undiff-G MICU3
BDH1	0.004614	-0.16057	0.007	0.07	1 Undiff-G BDH1
SLC15A3	0.004621	-0.23367	0.007	0.07	1 Undiff-G SLC15A3
RASGRP1	0.004622	-0.1281	0.007	0.07	1 Undiff-G RASGRP1
RP11-182L	0.004623	-0.13746	0.007	0.07	1 Undiff-G RP11-182L21.6
RAI14	0.004626	-0.11361	0.007	0.07	1 Undiff-G RAI14
SPSB2	0.00463	-0.17906	0.007	0.069	1 Undiff-G SPSB2
STK32A	0.004637	-0.11638	0	0.056	1 Undiff-G STK32A
GEMIN4	0.004637	-0.12976	0	0.056	1 Undiff-G GEMIN4
TMEM255B	0.004637	-0.28323	0	0.056	1 Undiff-G TMEM255B
NPAT	0.004656	-0.1615	0.015	0.082	1 Undiff-G NPAT
FAM64A	0.004665	-0.10548	0.007	0.07	1 Undiff-G FAM64A
ARVCF	0.004671	-0.1258	0	0.056	1 Undiff-G ARVCF
KCTD9	0.004671	-0.15517	0	0.056	1 Undiff-G KCTD9
CENPE	0.004671	-0.20795	0	0.056	1 Undiff-G CENPE
CCER2	0.004671	-0.21139	0	0.056	1 Undiff-G CCER2
ARHGAP27	0.004671	-0.2314	0	0.056	1 Undiff-G ARHGAP27
VGFB	0.004675	-0.18135	0.007	0.07	1 Undiff-G VGFB
MKL1	0.004681	-0.12616	0.007	0.07	1 Undiff-G MKL1
PTPN14	0.004701	-0.15666	0.007	0.069	1 Undiff-G PTPN14

IGHMBP2	0.004705	-0.14077	0	0.056	1 Undiff-G IGHMBP2
CA8	0.004705	-0.2261	0	0.056	1 Undiff-G CA8
PROCR	0.00473	-0.10431	0.007	0.07	1 Undiff-G PROCR
CREBRF	0.004739	0.520088	0.044	0.132	1 Undiff-G CREBRF
TMEM17	0.004739	-0.1371	0	0.055	1 Undiff-G TMEM17
RPTOR	0.004739	-0.13934	0	0.055	1 Undiff-G RPTOR
ZNF747	0.004739	-0.14371	0	0.055	1 Undiff-G ZNF747
RP11-556E	0.004739	-0.26918	0	0.055	1 Undiff-G RP11-556E13.1
ELMOD1	0.004743	0.101236	0.015	0.083	1 Undiff-G ELMOD1
SETDB1	0.004743	-0.13152	0.007	0.07	1 Undiff-G SETDB1
MGAT5	0.004766	-0.1959	0.007	0.069	1 Undiff-G MGAT5
MFAP3L	0.004773	-0.13303	0	0.055	1 Undiff-G MFAP3L
TNR	0.004773	-0.23332	0	0.055	1 Undiff-G TNR
IL13RA2	0.004773	-0.25919	0	0.055	1 Undiff-G IL13RA2
SNX19	0.004777	0.193849	0.022	0.095	1 Undiff-G SNX19
MIS12	0.004777	0.379204	0.051	0.143	1 Undiff-G MIS12
RANBP6	0.004799	-0.15125	0.007	0.069	1 Undiff-G RANBP6
COPZ2	0.004808	-0.14109	0	0.055	1 Undiff-G COPZ2
RNFT2	0.004829	-0.12095	0.007	0.069	1 Undiff-G RNFT2
ZNF667	0.004836	-0.13726	0.015	0.082	1 Undiff-G ZNF667
CLCN4	0.004843	-0.16107	0	0.055	1 Undiff-G CLCN4
ERN1	0.004843	-0.165	0	0.055	1 Undiff-G ERN1
SS18	0.004856	0.135606	0.015	0.083	1 Undiff-G SS18
RWDD2B	0.004863	-0.13609	0.007	0.069	1 Undiff-G RWDD2B
ZFYVE19	0.004869	0.48269	0.029	0.108	1 Undiff-G ZFYVE19
VRK2	0.004878	-0.21504	0	0.055	1 Undiff-G VRK2
BRAF	0.004891	-0.15813	0.007	0.069	1 Undiff-G BRAF
GINS1	0.004913	-0.12782	0	0.055	1 Undiff-G GINS1
CCDC157	0.004913	-0.13659	0	0.055	1 Undiff-G CCDC157
WDR76	0.004913	-0.15085	0	0.055	1 Undiff-G WDR76
CYP4V2	0.004913	-0.17402	0	0.055	1 Undiff-G CYP4V2
GALT	0.004926	-0.13078	0.015	0.082	1 Undiff-G GALT
Clorf174	0.004935	0.565546	0.059	0.155	1 Undiff-G Clorf174
IL16	0.004936	-0.14602	0.007	0.069	1 Undiff-G IL16
SYNGAP1	0.004949	-0.14082	0	0.055	1 Undiff-G SYNGAP1
DNAJC12	0.004956	0.103927	0.015	0.082	1 Undiff-G DNAJC12
WWP1	0.004968	-0.15081	0.007	0.068	1 Undiff-G WWP1
BACE2	0.004985	-0.16053	0	0.055	1 Undiff-G BACE2
PELO	0.004989	0.326638	0.029	0.107	1 Undiff-G PELO
RPP40	0.005	0.31892	0.037	0.119	1 Undiff-G RPP40
THAP6	0.005	0.107746	0.015	0.082	1 Undiff-G THAP6
SPIN2B	0.005005	0.293748	0.029	0.107	1 Undiff-G SPIN2B
MRE11A	0.005021	-0.17392	0	0.055	1 Undiff-G MRE11A
FAM120B	0.005029	0.139536	0.015	0.082	1 Undiff-G FAM120B
RWDD2A	0.005032	-0.10156	0.007	0.069	1 Undiff-G RWDD2A
SNX16	0.005057	-0.16861	0	0.055	1 Undiff-G SNX16
IQSEC2	0.005057	-0.18474	0	0.055	1 Undiff-G IQSEC2
RP11-11N9	0.005057	-0.22292	0	0.055	1 Undiff-G RP11-11N9.4
APOBEC3A	0.005077	0.477002	0.022	0.005	1 Undiff-G APOBEC3A
PPP2R3B	0.005079	-0.13493	0.007	0.068	1 Undiff-G PPP2R3B
APOL6	0.005086	-0.14359	0.022	0.094	1 Undiff-G APOL6

PKP4	0.005094	-0.1457	0	0.055	1 Undiff-G PKP4
DOCK11	0.005094	-0.21068	0	0.055	1 Undiff-G DOCK11
RASL11B	0.005094	-0.23672	0	0.055	1 Undiff-G RASL11B
ATL2	0.005099	-0.1647	0.007	0.069	1 Undiff-G ATL2
RP11-488C	0.005115	-0.17316	0.007	0.068	1 Undiff-G RP11-488C13.5
KCNJ16	0.005131	-0.12808	0	0.055	1 Undiff-G KCNJ16
C17orf51	0.005138	-0.12567	0.007	0.069	1 Undiff-G C17orf51
COQ3	0.005143	-0.14539	0.007	0.069	1 Undiff-G COQ3
PCDH10	0.005147	-0.12265	0.007	0.069	1 Undiff-G PCDH10
PCCA	0.005158	0.100411	0.015	0.082	1 Undiff-G PCCA
RP5-940J5	0.005165	0.140977	0.066	0.163	1 Undiff-G RP5-940J5.9
RALGPS1	0.005168	-0.15719	0	0.054	1 Undiff-G RALGPS1
GANC	0.005168	-0.15902	0	0.054	1 Undiff-G GANC
HEATR5B	0.005168	-0.18544	0	0.054	1 Undiff-G HEATR5B
BBS10	0.005205	-0.1374	0	0.054	1 Undiff-G BBS10
ASTE1	0.005205	-0.15903	0	0.054	1 Undiff-G ASTE1
GOLGA6L1C	0.00522	0.278986	0.007	0.001	1 Undiff-G GOLGA6L10
CNN2	0.005226	-0.22262	0.007	0.067	1 Undiff-G CNN2
PVR	0.005232	-0.11045	0.007	0.068	1 Undiff-G PVR
HLA-DRA	0.005235	0.823333	0.5	0.635	1 Undiff-G HLA-DRA
DPY19L4	0.005237	0.271825	0.022	0.094	1 Undiff-G DPY19L4
NANP	0.005243	-0.13662	0	0.054	1 Undiff-G NANP
TBC1D9	0.005243	-0.17732	0	0.054	1 Undiff-G TBC1D9
HS1BP3	0.00525	0.149243	0.022	0.093	1 Undiff-G HS1BP3
CEP135	0.005254	-0.14925	0.015	0.081	1 Undiff-G CEP135
TMEM170B	0.005281	-0.13479	0	0.054	1 Undiff-G TMEM170B
SPOPL	0.005281	-0.15551	0	0.054	1 Undiff-G SPOPL
STX1A	0.005295	-0.178	0.007	0.068	1 Undiff-G STX1A
SOWAHC	0.005319	-0.1076	0.007	0.068	1 Undiff-G SOWAHC
SLC25A51	0.005319	-0.15599	0	0.054	1 Undiff-G SLC25A51
ACO09948.	0.005319	-0.18202	0	0.054	1 Undiff-G ACO09948.5
COBL	0.005332	-0.10881	0.007	0.068	1 Undiff-G COBL
EXOSC2	0.005333	0.123757	0.022	0.094	1 Undiff-G EXOSC2
YEATS2	0.005357	-0.11746	0.007	0.068	1 Undiff-G YEATS2
GBF1	0.005358	-0.15025	0	0.054	1 Undiff-G GBF1
SLC37A1	0.005358	-0.17064	0	0.054	1 Undiff-G SLC37A1
LILRB2	0.005358	-0.25242	0	0.054	1 Undiff-G LILRB2
IL7R	0.005358	-0.2776	0	0.054	1 Undiff-G IL7R
ZNF583	0.005362	0.293266	0.029	0.106	1 Undiff-G ZNF583
SPA17	0.005395	0.179821	0.015	0.081	1 Undiff-G SPA17
INTS2	0.005397	-0.12562	0	0.054	1 Undiff-G INTS2
TJP2	0.005397	-0.17026	0	0.054	1 Undiff-G TJP2
PIM2	0.005397	-0.18166	0	0.054	1 Undiff-G PIM2
ATOH8	0.005397	-0.19691	0	0.054	1 Undiff-G ATOH8
SHC1	0.005401	0.401623	0.044	0.13	1 Undiff-G SHC1
MAN2B1	0.005425	-0.16101	0.007	0.068	1 Undiff-G MAN2B1
AFMID	0.00543	0.240658	0.029	0.106	1 Undiff-G AFMID
TNFRSF19	0.005437	0.231735	0.029	0.106	1 Undiff-G TNFRSF19
CYB561	0.00544	-0.14374	0.015	0.08	1 Undiff-G CYB561
FAM109A	0.005475	-0.13952	0	0.054	1 Undiff-G FAM109A
PRAM1	0.005475	-0.24455	0	0.054	1 Undiff-G PRAM1

LCLAT1	0.005515	-0.12094	0	0.054	1 Undiff-G LCLAT1
KLHL25	0.005515	-0.12329	0	0.054	1 Undiff-G KLHL25
SHCBP1	0.005515	-0.15955	0	0.054	1 Undiff-G SHCBP1
ABLIM1	0.005555	-0.13956	0	0.054	1 Undiff-G ABLIM1
ZNF222	0.005555	-0.15036	0	0.054	1 Undiff-G ZNF222
SERPINI1	0.005555	-0.19443	0	0.054	1 Undiff-G SERPINI1
UACA	0.005571	-0.14858	0.007	0.067	1 Undiff-G UACA
SERINC5	0.00559	-0.14354	0.007	0.067	1 Undiff-G SERINC5
NAT6	0.005595	-0.14037	0	0.054	1 Undiff-G NAT6
UHRF2	0.005616	-0.13531	0.007	0.067	1 Undiff-G UHRF2
ZNF429	0.005619	0.454997	0.044	0.13	1 Undiff-G ZNF429
ACOX3	0.005628	0.139175	0.022	0.093	1 Undiff-G ACOX3
STK11IP	0.005636	-0.15122	0	0.053	1 Undiff-G STK11IP
ADRBK2	0.005636	-0.19387	0	0.053	1 Undiff-G ADRBK2
ARIH2OS	0.005649	-0.14482	0.007	0.067	1 Undiff-G ARIH2OS
IZUM04	0.005675	-0.14582	0.007	0.067	1 Undiff-G IZUM04
COL18A1	0.005677	-0.14358	0	0.053	1 Undiff-G COL18A1
SOCS1	0.005677	-0.22129	0	0.053	1 Undiff-G SOCS1
LINC0091C	0.005677	-0.14643	0.015	0.08	1 Undiff-G LINC00910
SEC14L4	0.005677	0.501809	0.015	0.002	1 Undiff-G SEC14L4
TGFB2	0.005687	-0.10232	0.007	0.067	1 Undiff-G TGFB2
EIF2AK3	0.005718	-0.15289	0	0.053	1 Undiff-G EIF2AK3
SLC7A6	0.005725	-0.16538	0.007	0.067	1 Undiff-G SLC7A6
PAOX	0.005759	-0.1421	0	0.053	1 Undiff-G PAOX
COG8	0.005765	0.122291	0.022	0.093	1 Undiff-G COG8
ACOX2	0.005801	-0.11927	0	0.053	1 Undiff-G ACOX2
CYP2U1	0.005801	-0.12998	0	0.053	1 Undiff-G CYP2U1
CYTH3	0.005801	-0.15901	0	0.053	1 Undiff-G CYTH3
PEX12	0.005843	-0.13412	0	0.053	1 Undiff-G PEX12
RGS18	0.005843	-0.23979	0	0.053	1 Undiff-G RGS18
PCYOX1L	0.005876	-0.14967	0.007	0.066	1 Undiff-G PCYOX1L
MDN1	0.005885	-0.14162	0	0.053	1 Undiff-G MDN1
ZNF345	0.005885	-0.15749	0	0.053	1 Undiff-G ZNF345
PIGV	0.005885	-0.17582	0	0.053	1 Undiff-G PIGV
NFATC1	0.005885	-0.19062	0	0.053	1 Undiff-G NFATC1
GNGT2	0.005885	-0.23369	0	0.053	1 Undiff-G GNGT2
TSLP	0.005901	0.871243	0.051	0.019	1 Undiff-G TSLP
FAT1	0.005906	0.111814	0.007	0.067	1 Undiff-G FAT1
SLC12A4	0.005927	-0.12717	0.007	0.067	1 Undiff-G SLC12A4
HID1	0.005928	-0.14339	0	0.053	1 Undiff-G HID1
ZC4H2	0.005928	-0.16651	0	0.053	1 Undiff-G ZC4H2
TRAF3IP3	0.005928	-0.26122	0	0.053	1 Undiff-G TRAF3IP3
RAD51AP1	0.005948	0.144678	0.007	0.067	1 Undiff-G RAD51AP1
MED7	0.005957	0.143372	0.037	0.116	1 Undiff-G MED7
TEAD4	0.005971	-0.10132	0	0.053	1 Undiff-G TEAD4
SPECC1L	0.005971	-0.13787	0	0.053	1 Undiff-G SPECC1L
TYSND1	0.005971	-0.14171	0	0.053	1 Undiff-G TYSND1
CENPL	0.005971	-0.15264	0	0.053	1 Undiff-G CENPL
TRIM39	0.005971	-0.15588	0	0.053	1 Undiff-G TRIM39
LONRF2	0.005992	0.189619	0.022	0.093	1 Undiff-G LONRF2
ANKRD16	0.006014	-0.10798	0	0.053	1 Undiff-G ANKRD16

DNAJC6	0.006014	-0.1563	0	0.053	1 Undiff-G DNAJC6
RNF19B	0.006014	-0.17819	0	0.053	1 Undiff-G RNF19B
STAT6	0.006014	-0.23698	0	0.053	1 Undiff-G STAT6
FANCF	0.006042	0.265076	0.022	0.093	1 Undiff-G FANCF
PRKAA2	0.006058	-0.12136	0	0.053	1 Undiff-G PRKAA2
POLA2	0.006058	-0.14875	0	0.053	1 Undiff-G POLA2
BTBD17	0.006058	-0.18471	0	0.053	1 Undiff-G BTBD17
FLI1	0.006058	-0.23742	0	0.053	1 Undiff-G FLI1
TMEM185B	0.006101	-0.16167	0	0.052	1 Undiff-G TMEM185B
CLCN6	0.006116	-0.15684	0.007	0.066	1 Undiff-G CLCN6
SEC23IP	0.006124	-0.10653	0.015	0.079	1 Undiff-G SEC23IP
XRN1	0.006143	0.128985	0.022	0.092	1 Undiff-G XRN1
DOCK1	0.006146	-0.12912	0	0.052	1 Undiff-G DOCK1
STAT5A	0.006146	-0.18572	0	0.052	1 Undiff-G STAT5A
FABP5	0.006162	1.141423	0.382	0.392	1 Undiff-G FABP5
LRRTM3	0.00619	-0.10389	0	0.052	1 Undiff-G LRRTM3
AADAT	0.00619	-0.11967	0	0.052	1 Undiff-G AADAT
MORC2-AS1	0.00619	-0.14271	0	0.052	1 Undiff-G MORC2-AS1
ZBTB18	0.00619	-0.15368	0	0.052	1 Undiff-G ZBTB18
KCNJ10	0.00619	-0.19236	0	0.052	1 Undiff-G KCNJ10
TBC1D2B	0.00619	-0.19966	0	0.052	1 Undiff-G TBC1D2B
TRPM2	0.00619	-0.22555	0	0.052	1 Undiff-G TRPM2
MAFG-AS1	0.006193	-0.10251	0.007	0.066	1 Undiff-G MAFG-AS1
AKAP10	0.006198	0.208191	0.022	0.092	1 Undiff-G AKAP10
RECK	0.006201	-0.13958	0.007	0.066	1 Undiff-G RECK
IGFBP6	0.006202	-0.10074	0.007	0.066	1 Undiff-G IGFBP6
OSCP1	0.006208	0.189112	0.007	0.066	1 Undiff-G OSCP1
CMTR2	0.00621	0.256177	0.051	0.14	1 Undiff-G CMTR2
CEP44	0.006226	-0.13893	0.007	0.066	1 Undiff-G CEP44
Clorf159	0.006235	-0.12828	0	0.052	1 Undiff-G Clorf159
SNIP1	0.006235	-0.13956	0	0.052	1 Undiff-G SNIP1
ZSCAN5A	0.006235	-0.17151	0	0.052	1 Undiff-G ZSCAN5A
RASGRP2	0.006235	-0.19607	0	0.052	1 Undiff-G RASGRP2
SMO	0.00628	-0.10693	0	0.052	1 Undiff-G SMO
PLCXD1	0.00628	-0.13914	0	0.052	1 Undiff-G PLCXD1
ZIK1	0.00628	-0.15447	0	0.052	1 Undiff-G ZIK1
ACTA2	0.00628	-0.1939	0	0.052	1 Undiff-G ACTA2
GRASP	0.00628	-0.24698	0	0.052	1 Undiff-G GRASP
ADAMTS6	0.00629	-0.10538	0.007	0.066	1 Undiff-G ADAMTS6
ZBED6	0.006316	-0.10383	0.015	0.079	1 Undiff-G ZBED6
RP11-796E	0.006336	-0.21488	0.007	0.066	1 Undiff-G RP11-796E. 4
DOK3	0.006337	-0.13595	0.007	0.066	1 Undiff-G DOK3
USP31	0.006371	-0.1399	0	0.052	1 Undiff-G USP31
ARHGEF25	0.00638	-0.12433	0.007	0.066	1 Undiff-G ARHGEF25
NOL4	0.006385	-0.14116	0.007	0.066	1 Undiff-G NOL4
RFX1	0.006392	0.152107	0.022	0.091	1 Undiff-G RFX1
GSTP1	0.006394	0.541825	0.404	0.827	1 Undiff-G GSTP1
VAV3	0.006401	-0.12273	0.007	0.066	1 Undiff-G VAV3
EXOC2	0.006442	-0.13747	0.007	0.066	1 Undiff-G EXOC2
HES1	0.006462	0.527664	0.088	0.198	1 Undiff-G HES1
ALDH4A1	0.006464	-0.1196	0	0.052	1 Undiff-G ALDH4A1

PDE6B	0.006464	-0.16961	0	0.052	1 Undiff-G PDE6B
AP1G2	0.006464	-0.21032	0	0.052	1 Undiff-G AP1G2
PI4K2A	0.006476	-0.16053	0.007	0.066	1 Undiff-G PI4K2A
PTX3	0.006484	0.156955	0.037	0.116	1 Undiff-G PTX3
HAUS5	0.006495	-0.1564	0.007	0.065	1 Undiff-G HAUS5
ACBD4	0.006511	-0.13343	0	0.052	1 Undiff-G ACBD4
FAM53B	0.006511	-0.19248	0	0.052	1 Undiff-G FAM53B
PLA2G7	0.006511	-0.21375	0	0.052	1 Undiff-G PLA2G7
LIAS	0.006511	0.25337	0.029	0.104	1 Undiff-G LIAS
GPRASP2	0.00653	-0.12922	0.007	0.066	1 Undiff-G GPRASP2
LRP5	0.006558	-0.11314	0	0.052	1 Undiff-G LRP5
FAM184A	0.006558	-0.11872	0	0.052	1 Undiff-G FAM184A
EFNA2	0.006558	-0.12085	0	0.052	1 Undiff-G EFNA2
FLNB	0.006558	-0.13499	0	0.052	1 Undiff-G FLNB
ST3GAL1	0.006562	0.160172	0.029	0.103	1 Undiff-G ST3GAL1
TSPYL4	0.006579	0.330545	0.029	0.104	1 Undiff-G TSPYL4
EMP3	0.006599	0.816643	0.228	0.451	1 Undiff-G EMP3
RAB27A	0.006605	0.180853	0.015	0.079	1 Undiff-G RAB27A
INPP5E	0.006605	-0.12315	0	0.052	1 Undiff-G INPP5E
MTRF1	0.006605	-0.13577	0	0.052	1 Undiff-G MTRF1
CA14	0.006605	-0.19577	0	0.052	1 Undiff-G CA14
FAM206A	0.00661	-0.14451	0.007	0.065	1 Undiff-G FAM206A
ANKRD22	0.006617	-0.16508	0.007	0.066	1 Undiff-G ANKRD22
MSL2	0.006659	-0.14477	0.007	0.065	1 Undiff-G MSL2
AREG	0.006661	-0.14288	0.007	0.065	1 Undiff-G AREG
PDE8A	0.006681	-0.1436	0.022	0.09	1 Undiff-G PDE8A
ARAP3	0.006689	-0.11629	0.007	0.065	1 Undiff-G ARAP3
PHF13	0.006689	-0.12659	0.007	0.065	1 Undiff-G PHF13
SIN3A	0.006705	0.219888	0.022	0.09	1 Undiff-G SIN3A
NKX2-5	0.006739	-0.18115	0.007	0.065	1 Undiff-G NKX2-5
FAM173B	0.00674	-0.15073	0.007	0.065	1 Undiff-G FAM173B
MORN4	0.00675	-0.12645	0	0.051	1 Undiff-G MORN4
PSMG3-AS1	0.00675	-0.13967	0	0.051	1 Undiff-G PSMG3-AS1
ZDHHC2	0.006793	-0.18873	0.007	0.064	1 Undiff-G ZDHHC2
TMTC2	0.006799	-0.1699	0	0.051	1 Undiff-G TMTC2
TTF2	0.006832	-0.11253	0.007	0.065	1 Undiff-G TTF2
RP11-347F	0.006832	-0.25803	0.007	0.065	1 Undiff-G RP11-347P5.1
FSD1L	0.006848	-0.14026	0	0.051	1 Undiff-G FSD1L
AGTPBP1	0.006848	-0.16488	0	0.051	1 Undiff-G AGTPBP1
SORBS2	0.006848	-0.17897	0	0.051	1 Undiff-G SORBS2
GIMAP5	0.006848	-0.23042	0	0.051	1 Undiff-G GIMAP5
ZXDC	0.006893	-0.12006	0.007	0.065	1 Undiff-G ZXDC
LTBP1	0.006898	-0.11044	0	0.051	1 Undiff-G LTBP1
TLDC1	0.006898	-0.15146	0	0.051	1 Undiff-G TLDC1
PHLDA2	0.006898	-0.15834	0	0.051	1 Undiff-G PHLDA2
ATE1	0.006898	-0.16605	0	0.051	1 Undiff-G ATE1
FGF9	0.006898	-0.18461	0	0.051	1 Undiff-G FGF9
PLEKHG2	0.006936	-0.11926	0.007	0.065	1 Undiff-G PLEKHG2
CDR2L	0.006943	-0.13414	0.007	0.064	1 Undiff-G CDR2L
ZNF248	0.006948	-0.13286	0	0.051	1 Undiff-G ZNF248
ZNF615	0.006948	-0.13508	0	0.051	1 Undiff-G ZNF615

KLHL6	0.006948	-0.25143	0	0.051	1 Undiff-G KLHL6
SLC45A1	0.006998	-0.12387	0	0.051	1 Undiff-G SLC45A1
TMEM38A	0.006998	-0.14889	0	0.051	1 Undiff-G TMEM38A
SYT6	0.006998	-0.16791	0	0.051	1 Undiff-G SYT6
EXOC6	0.007012	-0.18242	0.007	0.064	1 Undiff-G EXOC6
PDLIM3	0.007027	0.297495	0.037	0.115	1 Undiff-G PDLIM3
SLC2A10	0.00703	-0.10063	0.007	0.065	1 Undiff-G SLC2A10
VAV2	0.007049	-0.12045	0	0.051	1 Undiff-G VAV2
RP11-545E	0.007049	-0.1408	0	0.051	1 Undiff-G RP11-545E17.3
CTSK	0.007049	-0.16641	0	0.051	1 Undiff-G CTSK
CDC23	0.007054	0.36653	0.044	0.126	1 Undiff-G CDC23
CLDN15	0.007077	-0.17556	0.007	0.064	1 Undiff-G CLDN15
NKIRAS1	0.007085	0.201164	0.029	0.103	1 Undiff-G NKIRAS1
TPCN1	0.00709	0.120615	0.022	0.09	1 Undiff-G TPCN1
SEPP1	0.007099	0.485535	0.169	0.33	1 Undiff-G SEPP1
POC5	0.0071	-0.15321	0	0.051	1 Undiff-G POC5
ARPP21	0.0071	-0.16224	0	0.051	1 Undiff-G ARPP21
ACP6	0.007139	-0.14593	0.007	0.064	1 Undiff-G ACP6
COX4I1	0.007142	0.506154	0.426	0.916	1 Undiff-G COX4I1
SAP130	0.007151	-0.12393	0	0.051	1 Undiff-G SAP130
PYCR1	0.007151	-0.13235	0	0.051	1 Undiff-G PYCR1
HIRA	0.007203	-0.12854	0	0.05	1 Undiff-G HIRA
PIK3R2	0.007203	-0.14169	0	0.05	1 Undiff-G PIK3R2
ATP11C	0.007203	-0.14403	0	0.05	1 Undiff-G ATP11C
GBGT1	0.007203	-0.19531	0	0.05	1 Undiff-G GBGT1
STEAP3	0.007204	0.681449	0.066	0.163	1 Undiff-G STEAP3
RAB13	0.007217	0.950898	0.191	0.374	1 Undiff-G RAB13
GTF2E1	0.007255	-0.14329	0	0.05	1 Undiff-G GTF2E1
SEC22A	0.007255	0.426944	0.029	0.103	1 Undiff-G SEC22A
ZNF445	0.007279	-0.13411	0.007	0.064	1 Undiff-G ZNF445
UBIAD1	0.007283	0.337452	0.029	0.102	1 Undiff-G UBIAD1
ENTPD5	0.007307	-0.12299	0	0.05	1 Undiff-G ENTPD5
NAT8L	0.007307	-0.12447	0	0.05	1 Undiff-G NAT8L
HELLS	0.007308	-0.15274	0.007	0.064	1 Undiff-G HELLS
BMP1	0.007358	-0.11032	0.007	0.064	1 Undiff-G BMP1
URB1	0.00736	-0.12406	0	0.05	1 Undiff-G URB1
ZCCHC14	0.00736	-0.14468	0	0.05	1 Undiff-G ZCCHC14
FERMT1	0.00736	-0.18977	0	0.05	1 Undiff-G FERMT1
DLEU7	0.00736	-0.23213	0	0.05	1 Undiff-G DLEU7
CARF	0.007382	-0.10525	0.015	0.077	1 Undiff-G CARF
GPX4	0.007404	0.574116	0.404	0.847	1 Undiff-G GPX4
ZNF213	0.007414	-0.11507	0	0.05	1 Undiff-G ZNF213
ECT2	0.007414	-0.14235	0	0.05	1 Undiff-G ECT2
GIN1	0.007414	-0.14723	0	0.05	1 Undiff-G GIN1
ZNF184	0.007414	-0.15716	0	0.05	1 Undiff-G ZNF184
ANKRD13B	0.007467	-0.12468	0	0.05	1 Undiff-G ANKRD13B
KIAA1524	0.007467	-0.13681	0	0.05	1 Undiff-G KIAA1524
SULT1A1	0.007467	-0.22342	0	0.05	1 Undiff-G SULT1A1
UGT8	0.007467	-0.25028	0	0.05	1 Undiff-G UGT8
LRRN3	0.007488	0.141757	0.037	0.114	1 Undiff-G LRRN3
HOXD11	0.007502	0.158806	0.015	0.077	1 Undiff-G HOXD11

TRMT12	0.007521	-0.13813	0	0.05	1 Undiff-G TRMT12
CMKLR1	0.007521	-0.21371	0	0.05	1 Undiff-G CMKLR1
GCHFR	0.007538	0.149386	0.015	0.077	1 Undiff-G GCHFR
ZSCAN16	0.007542	-0.15589	0.007	0.064	1 Undiff-G ZSCAN16
FITM2	0.007576	-0.11687	0	0.05	1 Undiff-G FITM2
RBL1	0.007576	-0.12307	0	0.05	1 Undiff-G RBL1
SLC9A8	0.007576	-0.14741	0	0.05	1 Undiff-G SLC9A8
SLC38A9	0.007599	-0.15706	0.007	0.064	1 Undiff-G SLC38A9
HLA-DRB5	0.007612	0.431769	0.213	0.402	1 Undiff-G HLA-DRB5
SLC6A6	0.007613	-0.15043	0.007	0.064	1 Undiff-G SLC6A6
BCR	0.007616	-0.14616	0.007	0.064	1 Undiff-G BCR
RAB23	0.007631	-0.10845	0	0.05	1 Undiff-G RAB23
FIZ1	0.007631	-0.11753	0	0.05	1 Undiff-G FIZ1
RAB42	0.007631	-0.15987	0	0.05	1 Undiff-G RAB42
SEMA4A	0.007631	-0.18597	0	0.05	1 Undiff-G SEMA4A
ZC3H12A	0.007639	0.143594	0.015	0.077	1 Undiff-G ZC3H12A
HEATR1	0.007657	-0.14573	0.007	0.063	1 Undiff-G HEATR1
NCAPD2	0.007678	-0.11246	0.007	0.064	1 Undiff-G NCAPD2
PLEKHA8	0.007686	0.106159	0.007	0.064	1 Undiff-G PLEKHA8
JRKL	0.007691	0.157206	0.015	0.077	1 Undiff-G JRKL
HSPA5	0.007705	0.898998	0.331	0.661	1 Undiff-G HSPA5
STOML1	0.007706	0.331108	0.029	0.102	1 Undiff-G STOML1
TRAF3	0.007714	-0.11762	0.007	0.064	1 Undiff-G TRAF3
ATAD5	0.007724	-0.13084	0.015	0.076	1 Undiff-G ATAD5
DIRAS2	0.007727	-0.12506	0.007	0.064	1 Undiff-G DIRAS2
XPO4	0.007733	-0.1263	0.007	0.064	1 Undiff-G XPO4
ADAM23	0.007742	-0.10877	0	0.05	1 Undiff-G ADAM23
RHPN1	0.007742	-0.11294	0	0.05	1 Undiff-G RHPN1
ANKRD50	0.007742	-0.12471	0	0.05	1 Undiff-G ANKRD50
ARSB	0.007742	-0.13082	0	0.05	1 Undiff-G ARSB
CENPA	0.007742	-0.17386	0	0.05	1 Undiff-G CENPA
BCL2	0.007742	-0.19556	0	0.05	1 Undiff-G BCL2
PNPLA4	0.007752	-0.23758	0.007	0.063	1 Undiff-G PNPLA4
YJEFN3	0.007773	-0.10241	0.007	0.064	1 Undiff-G YJEFN3
MXD3	0.007797	-0.15701	0.007	0.063	1 Undiff-G MXD3
CCDC138	0.007798	-0.14857	0	0.05	1 Undiff-G CCDC138
FBXO30	0.007807	-0.11104	0.007	0.064	1 Undiff-G FBXO30
DNALI1	0.00781	0.454031	0.037	0.114	1 Undiff-G DNALI1
MED23	0.007827	-0.15588	0.007	0.063	1 Undiff-G MED23
ELMOD3	0.007831	0.337965	0.051	0.136	1 Undiff-G ELMOD3
C16orf46	0.007854	-0.11286	0	0.049	1 Undiff-G C16orf46
ITPKC	0.007854	-0.1193	0	0.049	1 Undiff-G ITPKC
EPB41L5	0.007854	-0.13336	0	0.049	1 Undiff-G EPB41L5
SPC24	0.007854	-0.15191	0	0.049	1 Undiff-G SPC24
MIPEP	0.007859	-0.12572	0.007	0.063	1 Undiff-G MIPEP
ATAD2	0.007911	-0.10854	0.015	0.076	1 Undiff-G ATAD2
ZMYM1	0.007911	-0.11571	0	0.049	1 Undiff-G ZMYM1
PRR12	0.007911	-0.11945	0	0.049	1 Undiff-G PRR12
LPAR1	0.007911	-0.15894	0	0.049	1 Undiff-G LPAR1
WDSUB1	0.007913	0.177732	0.015	0.077	1 Undiff-G WDSUB1
FAM73B	0.007918	-0.16071	0.007	0.063	1 Undiff-G FAM73B



IGDCC3	0.007924	-0.11146	0.007	0.063	1 Undiff-G IGDCC3
UTP20	0.00794	-0.11397	0.007	0.063	1 Undiff-G UTP20
LHFP	0.007965	0.750832	0.11	0.233	1 Undiff-G LHFP
TAF4	0.007968	-0.11441	0	0.049	1 Undiff-G TAF4
RNF182	0.007968	-0.12697	0	0.049	1 Undiff-G RNF182
AURKB	0.007968	-0.18863	0	0.049	1 Undiff-G AURKB
FAM212A	0.007968	-0.23648	0	0.049	1 Undiff-G FAM212A
SH3D19	0.007999	-0.10544	0.007	0.063	1 Undiff-G SH3D19
IL11RA	0.008008	-0.12025	0.007	0.063	1 Undiff-G IL11RA
PARP3	0.008026	-0.13666	0	0.049	1 Undiff-G PARP3
PLXNA2	0.008026	-0.1466	0	0.049	1 Undiff-G PLXNA2
STARD13	0.008026	-0.15402	0	0.049	1 Undiff-G STARD13
APOLD1	0.008026	-0.15745	0	0.049	1 Undiff-G APOLD1
COL5A2	0.008045	-0.10305	0.007	0.063	1 Undiff-G COL5A2
SMURF1	0.008084	-0.13588	0	0.049	1 Undiff-G SMURF1
IDUA	0.008084	-0.1365	0	0.049	1 Undiff-G IDUA
CENPP	0.008084	-0.15111	0	0.049	1 Undiff-G CENPP
FAM114A1	0.008106	0.22328	0.037	0.113	1 Undiff-G FAM114A1
ZFP14	0.008141	0.231352	0.037	0.112	1 Undiff-G ZFP14
UNC13D	0.008142	-0.17896	0	0.049	1 Undiff-G UNC13D
FABP3	0.008142	-0.23665	0	0.049	1 Undiff-G FABP3
PYROXD1	0.008144	-0.16208	0.007	0.063	1 Undiff-G PYROXD1
ATG16L2	0.008195	-0.15083	0.022	0.088	1 Undiff-G ATG16L2
CCDC74A	0.008201	-0.13004	0	0.049	1 Undiff-G CCDC74A
CRY2	0.008201	-0.14995	0	0.049	1 Undiff-G CRY2
STK32B	0.008259	-0.12877	0.007	0.062	1 Undiff-G STK32B
EPG5	0.008261	-0.12838	0	0.049	1 Undiff-G EPG5
ZWILCH	0.008308	0.192371	0.015	0.076	1 Undiff-G ZWILCH
VLDLR	0.008321	-0.11158	0	0.049	1 Undiff-G VLDLR
HRASLS	0.008321	-0.11647	0	0.049	1 Undiff-G HRASLS
RP11-159D	0.008321	-0.11668	0	0.049	1 Undiff-G RP11-159D12.2
BCL2L11	0.008321	-0.17648	0	0.049	1 Undiff-G BCL2L11
CHEK2	0.008321	-0.19203	0	0.049	1 Undiff-G CHEK2
CH25H	0.008338	0.378406	0.059	0.148	1 Undiff-G CH25H
LIG3	0.008354	-0.12364	0.007	0.062	1 Undiff-G LIG3
LEMD3	0.00838	-0.11265	0.007	0.063	1 Undiff-G LEMD3
DGKG	0.008381	-0.13303	0	0.049	1 Undiff-G DGKG
GPD1	0.008381	-0.21684	0	0.049	1 Undiff-G GPD1
RNGTT	0.008402	0.137681	0.015	0.076	1 Undiff-G RNGTT
CNKSR2	0.008418	-0.11486	0.007	0.062	1 Undiff-G CNKSR2
WDR44	0.008441	-0.13131	0	0.049	1 Undiff-G WDR44
ANKRD9	0.008447	0.154243	0.022	0.088	1 Undiff-G ANKRD9
SDC1	0.008503	-0.10529	0	0.049	1 Undiff-G SDC1
TMEM246	0.008503	-0.16174	0	0.049	1 Undiff-G TMEM246
TBC1D4	0.008503	-0.19076	0	0.049	1 Undiff-G TBC1D4
PGAM2	0.008503	-0.22647	0	0.049	1 Undiff-G PGAM2
TRO	0.008525	-0.11143	0.007	0.062	1 Undiff-G TRO
CLEC4A	0.008549	-0.24134	0.007	0.062	1 Undiff-G CLEC4A
ZNF550	0.008564	-0.14899	0	0.048	1 Undiff-G ZNF550
RP11-480C	0.008564	-0.27515	0	0.048	1 Undiff-G RP11-480C22.1
PLIN2	0.00858	0.680034	0.176	0.344	1 Undiff-G PLIN2

N4BP2L1	0.008595	0.309123	0.066	0.158	1 Undiff-G N4BP2L1
ADCYAP1R1	0.008626	-0.13079	0	0.048	1 Undiff-G ADCYAP1R1
C19orf38	0.008626	-0.23292	0	0.048	1 Undiff-G C19orf38
SPC25	0.008632	-0.1709	0.007	0.062	1 Undiff-G SPC25
ORC5	0.008672	0.144221	0.029	0.1	1 Undiff-G ORC5
TRAM2	0.008689	-0.10667	0	0.048	1 Undiff-G TRAM2
INPP5F	0.008689	-0.12809	0	0.048	1 Undiff-G INPP5F
TTC26	0.008689	-0.14851	0	0.048	1 Undiff-G TTC26
DENND4C	0.00871	0.222976	0.022	0.088	1 Undiff-G DENND4C
HAUS4	0.008737	-0.22658	0.007	0.062	1 Undiff-G HAUS4
ZNF853	0.008751	-0.10379	0	0.048	1 Undiff-G ZNF853
LRP11	0.008751	-0.10758	0	0.048	1 Undiff-G LRP11
WWC3	0.008751	-0.12303	0	0.048	1 Undiff-G WWC3
ZNF614	0.008751	-0.12377	0	0.048	1 Undiff-G ZNF614
ANKRD6	0.008751	-0.12885	0	0.048	1 Undiff-G ANKRD6
PPIL6	0.008751	-0.13767	0	0.048	1 Undiff-G PPIL6
IGLON5	0.008751	-0.16764	0	0.048	1 Undiff-G IGLON5
ACP5	0.008751	-0.21544	0	0.048	1 Undiff-G ACP5
HSPA6	0.008809	0.208953	0.029	0.1	1 Undiff-G HSPA6
MED12L	0.008811	-0.11123	0.007	0.062	1 Undiff-G MED12L
CTPS2	0.008815	-0.12793	0	0.048	1 Undiff-G CTPS2
PLCD1	0.008815	-0.15186	0	0.048	1 Undiff-G PLCD1
LRRC16A	0.008859	-0.10525	0.015	0.075	1 Undiff-G LRRC16A
SLC16A9	0.008879	-0.10694	0	0.048	1 Undiff-G SLC16A9
IKZF4	0.008879	-0.11088	0	0.048	1 Undiff-G IKZF4
ZNF618	0.008879	-0.16181	0	0.048	1 Undiff-G ZNF618
GPATCH1	0.008896	0.143388	0.015	0.075	1 Undiff-G GPATCH1
AC005477.1	0.008899	0.16933	0.007	0.001	1 Undiff-G AC005477.1
PTGS2	0.00892	-0.13757	0.007	0.062	1 Undiff-G PTGS2
C9orf40	0.008943	-0.10111	0	0.048	1 Undiff-G C9orf40
TRMT2B	0.008943	-0.13404	0	0.048	1 Undiff-G TRMT2B
FAM19A5	0.008943	-0.14018	0	0.048	1 Undiff-G FAM19A5
USP54	0.008943	-0.1727	0	0.048	1 Undiff-G USP54
CASP8	0.008943	-0.19009	0	0.048	1 Undiff-G CASP8
CLECL1	0.008943	-0.19481	0	0.048	1 Undiff-G CLECL1
SLC15A4	0.008948	-0.11572	0.015	0.075	1 Undiff-G SLC15A4
CRTC2	0.008967	0.116222	0.015	0.075	1 Undiff-G CRTC2
ARHGEF10L	0.008979	-0.13595	0.007	0.062	1 Undiff-G ARHGEF10L
PPM1L	0.009008	-0.11981	0	0.048	1 Undiff-G PPM1L
SHQ1	0.009008	-0.12395	0	0.048	1 Undiff-G SHQ1
IFIH1	0.009008	-0.13299	0	0.048	1 Undiff-G IFIH1
PIK3R5	0.009008	-0.20082	0	0.048	1 Undiff-G PIK3R5
NRDE2	0.009017	0.126331	0.029	0.099	1 Undiff-G NRDE2
METTL4	0.009018	0.140508	0.015	0.075	1 Undiff-G METTL4
ZNF611	0.009044	-0.12083	0.007	0.062	1 Undiff-G ZNF611
MFSD2A	0.009056	0.218601	0.029	0.099	1 Undiff-G MFSD2A
ALKBH8	0.009073	-0.10273	0	0.048	1 Undiff-G ALKBH8
ZNF454	0.009073	-0.11892	0	0.048	1 Undiff-G ZNF454
EP400NL	0.009073	-0.12822	0	0.048	1 Undiff-G EP400NL
CCDC149	0.009073	-0.1332	0	0.048	1 Undiff-G CCDC149
WDR19	0.009073	-0.13746	0	0.048	1 Undiff-G WDR19

NFRKB	0.00908	0.315075	0.029	0.1	1 Undiff-G NFRKB
TMEM25	0.009093	0.416934	0.044	0.123	1 Undiff-G TMEM25
TMEM234	0.009121	0.32685	0.022	0.087	1 Undiff-G TMEM234
MDC1	0.00913	-0.11587	0.007	0.061	1 Undiff-G MDC1
PDZD4	0.009138	-0.13204	0	0.048	1 Undiff-G PDZD4
WDR53	0.009138	-0.13578	0	0.048	1 Undiff-G WDR53
TMEM52B	0.009138	-0.23	0	0.048	1 Undiff-G TMEM52B
PLEKHM1	0.009149	0.128186	0.015	0.075	1 Undiff-G PLEKHM1
PPP5D1	0.009205	-0.1423	0	0.048	1 Undiff-G PPP5D1
POMC	0.009205	-0.21341	0	0.048	1 Undiff-G POMC
CCL20	0.009206	-0.21836	0.007	0.062	1 Undiff-G CCL20
ZNF599	0.009211	0.127791	0.015	0.075	1 Undiff-G ZNF599
AP001372.	0.009271	-0.12168	0	0.047	1 Undiff-G AP001372. 2
GPD1L	0.009271	-0.12499	0	0.047	1 Undiff-G GPD1L
SUOX	0.009271	-0.1367	0	0.047	1 Undiff-G SUOX
ZNF713	0.009271	-0.13851	0	0.047	1 Undiff-G ZNF713
ZNF736	0.009271	-0.1396	0	0.047	1 Undiff-G ZNF736
ZGLP1	0.009271	-0.16195	0	0.047	1 Undiff-G ZGLP1
UAP1L1	0.009272	-0.10263	0.007	0.061	1 Undiff-G UAP1L1
GABPB2	0.009277	-0.10091	0.007	0.061	1 Undiff-G GABPB2
COMTD1	0.009306	-0.16999	0.007	0.061	1 Undiff-G COMTD1
DENND6A	0.009317	-0.15571	0.007	0.061	1 Undiff-G DENND6A
HSPA4L	0.009318	-0.15906	0.015	0.074	1 Undiff-G HSPA4L
PRR5	0.009338	-0.18061	0	0.047	1 Undiff-G PRR5
QPCT	0.009338	-0.19353	0	0.047	1 Undiff-G QPCT
CAB39L	0.009341	0.16417	0.015	0.074	1 Undiff-G CAB39L
TRIM56	0.009344	0.218101	0.015	0.074	1 Undiff-G TRIM56
GNAZ	0.009377	-0.13425	0.007	0.061	1 Undiff-G GNAZ
IQCG	0.009381	0.444029	0.044	0.123	1 Undiff-G IQCG
PARG	0.009406	-0.11442	0	0.047	1 Undiff-G PARG
CUL9	0.009406	-0.12231	0	0.047	1 Undiff-G CUL9
TRMT10A	0.009406	-0.13429	0	0.047	1 Undiff-G TRMT10A
ASPM	0.009406	-0.17196	0	0.047	1 Undiff-G ASPM
FGD2	0.00943	-0.16554	0.007	0.061	1 Undiff-G FGD2
RP11-127E	0.009474	-0.11805	0	0.047	1 Undiff-G RP11-127B20. 2
HDAC4	0.009474	-0.14773	0	0.047	1 Undiff-G HDAC4
POLR3C	0.009477	0.119295	0.022	0.087	1 Undiff-G POLR3C
PPP2R3A	0.009521	-0.11125	0.007	0.061	1 Undiff-G PPP2R3A
USP24	0.009526	-0.12552	0.015	0.074	1 Undiff-G USP24
GSR	0.009612	-0.11513	0	0.047	1 Undiff-G GSR
FIGNL1	0.009612	-0.1437	0	0.047	1 Undiff-G FIGNL1
ADCK1	0.009612	-0.14719	0	0.047	1 Undiff-G ADCK1
WDR81	0.009612	-0.14843	0	0.047	1 Undiff-G WDR81
SMARCD2	0.009627	0.165103	0.022	0.086	1 Undiff-G SMARCD2
FOSL1	0.009681	-0.11505	0	0.047	1 Undiff-G FOSL1
ABCD1	0.009681	-0.14544	0	0.047	1 Undiff-G ABCD1
PAK7	0.009681	-0.15637	0	0.047	1 Undiff-G PAK7
TMEM86A	0.009681	-0.18564	0	0.047	1 Undiff-G TMEM86A
CEP112	0.009751	-0.10019	0	0.047	1 Undiff-G CEP112
TROAP	0.009751	-0.14512	0	0.047	1 Undiff-G TROAP
ATAD3B	0.009764	-0.12336	0.007	0.061	1 Undiff-G ATAD3B

DSCC1	0.009818	-0.13292	0.007	0.06	1	Undiff-G	DSCC1
EPHB3	0.009822	-0.11567	0	0.047	1	Undiff-G	EPHB3
FANCI	0.009822	-0.1271	0	0.047	1	Undiff-G	FANCI
TCP11L1	0.009822	-0.13991	0	0.047	1	Undiff-G	TCP11L1
RP11-1275	0.009825	-0.12035	0.007	0.061	1	Undiff-G	RP11-1275H24.1
TMCC3	0.009854	-0.11608	0.015	0.074	1	Undiff-G	TMCC3
ANK3	0.009884	-0.16743	0.007	0.061	1	Undiff-G	ANK3
FHL2	0.009893	-0.1412	0	0.047	1	Undiff-G	FHL2
PPP1R12B	0.009945	-0.15464	0.007	0.06	1	Undiff-G	PPP1R12B
DOK4	0.009965	-0.11957	0	0.047	1	Undiff-G	DOK4
TES	0.009965	-0.2258	0	0.047	1	Undiff-G	TES
SAA1.1	0	1.945196	0.433	0.058	0	AC-G	SAA1
LTF.1	0	1.726356	0.496	0.084	0	AC-G	LTF
SLPI.1	0	1.723881	0.488	0.084	0	AC-G	SLPI
MGST1.1	0	1.716853	0.577	0.06	0	AC-G	MGST1
CHI3L2.1	0	1.710796	0.592	0.1	0	AC-G	CHI3L2
MGP.1	0	1.675959	0.423	0.041	0	AC-G	MGP
C8orf4	0	1.552945	0.614	0.153	0	AC-G	C8orf4
SAA2.1	0	1.534099	0.23	0.017	0	AC-G	SAA2
EFEMP1.1	0	1.521288	0.577	0.152	0	AC-G	EFEMP1
C1R.1	0	1.494219	0.582	0.144	0	AC-G	C1R
CHI3L1.1	0	1.471343	0.845	0.462	0	AC-G	CHI3L1
CAV1.1	0	1.447132	0.489	0.056	0	AC-G	CAV1
C1S	0	1.392277	0.483	0.099	0	AC-G	C1S
SERPING1.	0	1.344355	0.548	0.173	0	AC-G	SERPING1
RARRES2	0	1.285152	0.461	0.089	0	AC-G	RARRES2
CRYAB.1	0	1.216062	0.831	0.435	0	AC-G	CRYAB
MT1X.1	0	1.166703	0.844	0.525	0	AC-G	MT1X
LGALS3.1	0	1.123973	0.786	0.421	0	AC-G	LGALS3
TIMP1.1	0	1.068728	0.858	0.574	0	AC-G	TIMP1
CLU.1	0	1.05073	0.969	0.746	0	AC-G	CLU
SEC61G.1	0	0.944665	0.959	0.768	0	AC-G	SEC61G
MT2A.1	0	0.923151	0.948	0.752	0	AC-G	MT2A
GAPDH.1	0	0.550311	0.986	0.985	0	AC-G	GAPDH
FTL.1	0	0.510835	0.99	0.995	0	AC-G	FTL
CYR61	#####	1.101631	0.433	0.116	#####	AC-G	CYR61
ACTG1.1	#####	0.556899	0.975	0.943	#####	AC-G	ACTG1
S100A6.1	#####	0.939019	0.84	0.605	#####	AC-G	S100A6
BGN	#####	0.726882	0.246	0.029	#####	AC-G	BGN
CADM3	#####	0.861249	0.316	0.058	#####	AC-G	CADM3
SOD2	#####	1.039437	0.754	0.493	#####	AC-G	SOD2
ACTB.1	#####	0.487173	0.992	0.992	#####	AC-G	ACTB
MT1E.1	#####	0.974895	0.645	0.328	#####	AC-G	MT1E
NNMT	#####	1.190439	0.392	0.112	#####	AC-G	NNMT
IL13RA2.1	#####	0.713363	0.212	0.024	#####	AC-G	IL13RA2
SPOCD1	#####	1.096368	0.474	0.167	#####	AC-G	SPOCD1
CA9	#####	0.542641	0.175	0.014	#####	AC-G	CA9
OCIAD2	#####	1.179359	0.645	0.337	#####	AC-G	OCIAD2
PRSS23	#####	0.761303	0.257	0.043	#####	AC-G	PRSS23
CD44	#####	0.972719	0.64	0.332	#####	AC-G	CD44
NTRK2.1	#####	0.815746	0.333	0.079	#####	AC-G	NTRK2

S100A16	#####	0.94998	0.586	0.252	#####	AC-G	S100A16
NAMPT.1	#####	0.964939	0.683	0.389	#####	AC-G	NAMPT
MALAT1.1	#####	0.403988	0.996	0.995	#####	AC-G	MALAT1
S100A10.1	#####	0.838241	0.741	0.506	#####	AC-G	S100A10
PIFO	#####	0.65452	0.193	0.021	#####	AC-G	PIFO
ANXA1	#####	0.859717	0.692	0.355	#####	AC-G	ANXA1
SYTL2	#####	0.678955	0.249	0.042	#####	AC-G	SYTL2
C10orf10.	#####	0.966883	0.275	0.055	#####	AC-G	C10orf10
MARCKS.1	#####	-0.78132	0.3	0.655	#####	AC-G	MARCKS
YWHAH.1	#####	-0.79965	0.245	0.627	#####	AC-G	YWHAH
PKM.1	#####	0.639652	0.871	0.751	#####	AC-G	PKM
GAP43.1	#####	0.964588	0.713	0.418	#####	AC-G	GAP43
HSPB8	#####	0.543558	0.165	0.015	#####	AC-G	HSPB8
SPARC	#####	0.981813	0.615	0.339	#####	AC-G	SPARC
CSRP2	#####	1.134832	0.549	0.253	#####	AC-G	CSRP2
CP	#####	0.512115	0.132	0.008	#####	AC-G	CP
TAGLN	#####	1.098981	0.228	0.04	#####	AC-G	TAGLN
LDHA.1	#####	0.636357	0.854	0.749	#####	AC-G	LDHA
VSTM2A	#####	0.84492	0.296	0.068	#####	AC-G	VSTM2A
ALDOA.1	#####	0.482173	0.877	0.839	#####	AC-G	ALDOA
SPARCL1	#####	1.019565	0.573	0.301	#####	AC-G	SPARCL1
MT1M	#####	0.976046	0.475	0.199	#####	AC-G	MT1M
IGFBP5.1	#####	1.001125	0.505	0.222	#####	AC-G	IGFBP5
RGS10.1	#####	-1.23466	0.05	0.399	#####	AC-G	RGS10
SLC39A14	#####	0.645622	0.268	0.061	#####	AC-G	SLC39A14
CD63.1	#####	0.535882	0.941	0.921	#####	AC-G	CD63
GPM6B.1	#####	0.720697	0.823	0.579	#####	AC-G	GPM6B
AIF1.1	#####	-1.25518	0.138	0.464	#####	AC-G	AIF1
FCER1G.1	#####	-1.2033	0.172	0.494	#####	AC-G	FCER1G
VAMP8.1	#####	-1.23532	0.062	0.398	#####	AC-G	VAMP8
MT3.1	#####	0.79104	0.722	0.445	#####	AC-G	MT3
EIF1.1	#####	0.382308	0.948	0.979	#####	AC-G	EIF1
ARHGDI1.1	#####	-1.21071	0.096	0.426	#####	AC-G	ARHGDI1
CNN3.1	#####	0.715193	0.682	0.426	#####	AC-G	CNN3
PRDX6	#####	0.783152	0.78	0.594	#####	AC-G	PRDX6
SKP1	#####	0.491052	0.899	0.858	#####	AC-G	SKP1
GALNT15	#####	0.581411	0.153	0.017	#####	AC-G	GALNT15
CORO1A.1	#####	-1.05439	0.097	0.427	#####	AC-G	CORO1A
CXCL14	#####	0.850501	0.333	0.104	#####	AC-G	CXCL14
MS4A6A.1	#####	-1.23717	0.075	0.393	#####	AC-G	MS4A6A
TYROBP.1	#####	-1.08917	0.207	0.509	#####	AC-G	TYROBP
TMSB10.1	#####	0.469053	0.972	0.963	#####	AC-G	TMSB10
CD53.1	#####	-1.16859	0.052	0.366	#####	AC-G	CD53
AEBP1.1	#####	0.762544	0.296	0.087	#####	AC-G	AEBP1
DIRAS3	#####	0.941369	0.301	0.089	#####	AC-G	DIRAS3
C1orf162.	#####	-1.19794	0.062	0.373	#####	AC-G	C1orf162
LY86.1	#####	-1.15318	0.033	0.343	#####	AC-G	LY86
ITGB2.1	#####	-1.08238	0.064	0.375	#####	AC-G	ITGB2
FCGR3A.1	#####	-1.19122	0.083	0.392	#####	AC-G	FCGR3A
TREM2.1	#####	-1.19314	0.092	0.401	#####	AC-G	TREM2
AZGP1	#####	0.570794	0.187	0.031	#####	AC-G	AZGP1

HP	#####	0.913928	0.11	0.007	#####	AC-G	HP
RAMP1	#####	0.962029	0.621	0.371	#####	AC-G	RAMP1
GMFG.1	#####	-1.17711	0.045	0.347	#####	AC-G	GMFG
GJA1	#####	0.606367	0.229	0.05	#####	AC-G	GJA1
RNASET2.1	#####	-0.95819	0.236	0.531	#####	AC-G	RNASET2
MS4A7.1	#####	-1.14194	0.075	0.382	#####	AC-G	MS4A7
ALOX5AP.1	#####	-1.1422	0.154	0.447	#####	AC-G	ALOX5AP
CD37.1	#####	-1.11526	0.047	0.35	#####	AC-G	CD37
LAPTM5.1	#####	-1.04665	0.197	0.482	#####	AC-G	LAPTM5
RNASE6.1	#####	-1.15888	0.029	0.323	#####	AC-G	RNASE6
HILPDA.1	#####	0.93552	0.424	0.189	#####	AC-G	HILPDA
COTL1.1	#####	-0.72616	0.246	0.561	#####	AC-G	COTL1
SH3BGR.1	#####	0.771097	0.295	0.09	#####	AC-G	SH3BGR
C4orf48.1	#####	-0.66133	0.252	0.579	#####	AC-G	C4orf48
CYBA.1	#####	-1.06347	0.165	0.451	#####	AC-G	CYBA
FAM49B.1	#####	-0.68739	0.237	0.558	#####	AC-G	FAM49B
B2M.1	#####	0.409369	0.968	0.971	#####	AC-G	B2M
UBC.1	#####	0.369425	0.924	0.956	#####	AC-G	UBC
VSIG4.1	#####	-1.09769	0.121	0.413	#####	AC-G	VSIG4
HN1.1	#####	-0.51826	0.44	0.721	#####	AC-G	HN1
PTN.1	#####	0.729352	0.809	0.579	#####	AC-G	PTN
PYCARD.1	#####	-0.97001	0.039	0.332	#####	AC-G	PYCARD
LST1.1	#####	-1.13119	0.069	0.36	#####	AC-G	LST1
HCST.1	#####	-1.12053	0.043	0.331	#####	AC-G	HCST
FCGR1A.1	#####	-1.14876	0.024	0.304	#####	AC-G	FCGR1A
MS4A4A.1	#####	-1.1319	0.046	0.333	#####	AC-G	MS4A4A
EVL.1	#####	-0.83383	0.095	0.402	#####	AC-G	EVL
LILRB4.1	#####	-1.11554	0.021	0.301	#####	AC-G	LILRB4
GPR34.1	#####	-1.1388	0.031	0.313	#####	AC-G	GPR34
TYMP.1	#####	-0.97794	0.065	0.354	#####	AC-G	TYMP
FSCN1.1	#####	-0.67324	0.246	0.554	#####	AC-G	FSCN1
BASP1.1	#####	-0.80575	0.121	0.421	#####	AC-G	BASP1
VCAM1	#####	0.761168	0.206	0.046	#####	AC-G	VCAM1
ARRB2.1	#####	-0.81599	0.147	0.449	#####	AC-G	ARRB2
FCGR2A.1	#####	-1.0232	0.052	0.335	#####	AC-G	FCGR2A
CREM.1	#####	-0.89102	0.154	0.456	#####	AC-G	CREM
TPI1.1	#####	0.44321	0.878	0.863	#####	AC-G	TPI1
RASD1.1	#####	0.648681	0.307	0.1	#####	AC-G	RASD1
PLA2G2A	#####	1.107307	0.136	0.018	#####	AC-G	PLA2G2A
CSF1R.1	#####	-1.00211	0.036	0.313	#####	AC-G	CSF1R
RGS1.1	#####	-1.02191	0.228	0.489	#####	AC-G	RGS1
GPSM3.1	#####	-1.0224	0.034	0.306	#####	AC-G	GPSM3
DDIT4L	#####	0.30789	0.08	0.003	#####	AC-G	DDIT4L
CD9	#####	0.630664	0.737	0.532	#####	AC-G	CD9
NUPR1	#####	0.708715	0.533	0.283	#####	AC-G	NUPR1
ADORA3.1	#####	-1.03468	0.034	0.305	#####	AC-G	ADORA3
HCLS1.1	#####	-1.02582	0.061	0.335	#####	AC-G	HCLS1
CALD1.1	#####	0.728964	0.586	0.387	#####	AC-G	CALD1
GRB2.1	#####	-0.62157	0.226	0.53	#####	AC-G	GRB2
ANGPTL4	#####	0.715632	0.254	0.071	#####	AC-G	ANGPTL4
FOLR1	#####	0.588419	0.128	0.016	#####	AC-G	FOLR1

CA3	#####	0.760821	0.141	0.02	#####	AC-G	CA3
SLC11A1.1	#####	-0.96543	0.073	0.35	#####	AC-G	SLC11A1
SGCE	#####	0.72794	0.323	0.112	#####	AC-G	SGCE
TEX26	#####	0.265279	0.091	0.006	#####	AC-G	TEX26
PDLIM4.1	#####	0.634304	0.203	0.047	#####	AC-G	PDLIM4
TMEM205.1	#####	0.70497	0.657	0.464	#####	AC-G	TMEM205
SAMSN1.1	#####	-1.03895	0.033	0.294	#####	AC-G	SAMSN1
SLN	#####	1.252576	0.332	0.128	#####	AC-G	SLN
AC009501.	#####	0.855997	0.335	0.122	#####	AC-G	AC009501.4
UCP2.1	#####	-0.94763	0.051	0.315	#####	AC-G	UCP2
C10orf54.	#####	-1.04022	0.068	0.331	#####	AC-G	C10orf54
SPI1.1	#####	-0.93509	0.025	0.28	#####	AC-G	SPI1
HLA-DMB.1	#####	-1.06313	0.1	0.363	#####	AC-G	HLA-DMB
TBXAS1.1	#####	-0.98655	0.029	0.282	#####	AC-G	TBXAS1
APLN	#####	0.372938	0.119	0.015	#####	AC-G	APLN
SRGN.1	#####	-0.86915	0.312	0.535	#####	AC-G	SRGN
FPR1.1	#####	-1.02467	0.066	0.327	#####	AC-G	FPR1
RGS19.1	#####	-0.75888	0.055	0.318	#####	AC-G	RGS19
HAVCR2.1	#####	-0.98773	0.024	0.272	#####	AC-G	HAVCR2
IL32	#####	0.538792	0.245	0.072	#####	AC-G	IL32
FYB.1	#####	-0.93831	0.019	0.263	#####	AC-G	FYB
VIM	#####	0.447559	0.761	0.645	#####	AC-G	VIM
LGALS1.1	#####	0.53412	0.801	0.685	#####	AC-G	LGALS1
ANXA2	#####	0.685847	0.696	0.478	#####	AC-G	ANXA2
FXYD5.1	#####	-0.86797	0.118	0.384	#####	AC-G	FXYD5
GNAI2.1	#####	-0.59143	0.248	0.528	#####	AC-G	GNAI2
CTSS.1	#####	-0.8576	0.136	0.396	#####	AC-G	CTSS
C3AR1.1	#####	-0.96411	0.033	0.278	#####	AC-G	C3AR1
REXO2.1	#####	0.769224	0.497	0.284	#####	AC-G	REXO2
ENO1	#####	0.45586	0.853	0.783	#####	AC-G	ENO1
TMEM45A	#####	0.722675	0.343	0.144	#####	AC-G	TMEM45A
STMN1.1	#####	-0.58519	0.426	0.671	#####	AC-G	STMN1
CLCF1	#####	0.43479	0.136	0.023	#####	AC-G	CLCF1
CFI.1	#####	0.491995	0.173	0.039	#####	AC-G	CFI
BIN1.1	#####	-0.77482	0.143	0.403	#####	AC-G	BIN1
C1QC.1	#####	-0.7934	0.313	0.538	#####	AC-G	C1QC
NDUFA4	#####	0.422602	0.906	0.893	#####	AC-G	NDUFA4
RAC1.1	#####	-0.4489	0.484	0.793	#####	AC-G	RAC1
OLR1.1	#####	-0.96761	0.049	0.289	#####	AC-G	OLR1
CCL3.1	#####	-0.89088	0.219	0.462	#####	AC-G	CCL3
TSLP.1	#####	0.389547	0.086	0.007	#####	AC-G	TSLP
MAOB	#####	0.709538	0.234	0.072	#####	AC-G	MAOB
GBP1	#####	0.646678	0.318	0.122	#####	AC-G	GBP1
PI3.1	#####	0.943431	0.156	0.032	#####	AC-G	PI3
TMEM160.1	#####	-0.56184	0.243	0.509	#####	AC-G	TMEM160
LIMD2.1	#####	-0.6503	0.043	0.289	#####	AC-G	LIMD2
ARPC1B.1	#####	-0.59855	0.312	0.573	#####	AC-G	ARPC1B
PTPRC.1	#####	-0.86713	0.013	0.24	#####	AC-G	PTPRC
CCL4.1	#####	-1.00084	0.118	0.365	#####	AC-G	CCL4
CD86.1	#####	-0.92724	0.021	0.251	#####	AC-G	CD86
GFAP	#####	0.941105	0.519	0.317	#####	AC-G	GFAP

MT1A. 1	#####	0.402218	0.109	0.014	#####	AC-G	MT1A
SYNGR2. 1	#####	-0.7445	0.112	0.37	#####	AC-G	SYNGR2
BTG1. 1	#####	-0.4681	0.429	0.739	#####	AC-G	BTG1
MYL6. 1	#####	0.428313	0.921	0.946	#####	AC-G	MYL6
SLC02B1. 1	#####	-0.91221	0.028	0.258	#####	AC-G	SLC02B1
YBX1. 1	#####	-0.38873	0.539	0.807	#####	AC-G	YBX1
TAGLN2. 1	#####	0.602884	0.671	0.484	#####	AC-G	TAGLN2
PDLIM3. 1	#####	0.579005	0.258	0.086	#####	AC-G	PDLIM3
HIST1H4C.	#####	-0.64494	0.203	0.468	#####	AC-G	HIST1H4C
CFB	#####	0.368088	0.09	0.009	#####	AC-G	CFB
SGK1. 1	#####	-0.77477	0.225	0.478	#####	AC-G	SGK1
MYC. 1	#####	0.672498	0.333	0.138	#####	AC-G	MYC
TMBIM6	#####	0.389514	0.837	0.838	#####	AC-G	TMBIM6
EVI2B. 1	#####	-0.86506	0.017	0.239	#####	AC-G	EVI2B
APOC2. 1	#####	-1.08364	0.008	0.224	#####	AC-G	APOC2
NRN1	#####	0.770318	0.416	0.222	#####	AC-G	NRN1
CSF2RA. 1	#####	-0.91817	0.018	0.238	#####	AC-G	CSF2RA
CD163. 1	#####	-0.92959	0.081	0.314	#####	AC-G	CD163
ADM. 1	#####	0.711377	0.348	0.153	#####	AC-G	ADM
SOD1	#####	0.465836	0.8	0.748	#####	AC-G	SOD1
GRN. 1	#####	-0.52263	0.365	0.61	#####	AC-G	GRN
IGFBP6. 1	#####	0.568825	0.176	0.044	#####	AC-G	IGFBP6
DTNA. 1	#####	0.786517	0.415	0.221	#####	AC-G	DTNA
THEMIS2. 1	#####	-0.79063	0.049	0.279	#####	AC-G	THEMIS2
LAIR1. 1	#####	-0.87222	0.041	0.268	#####	AC-G	LAIR1
MEF2C. 1	#####	-0.74272	0.083	0.322	#####	AC-G	MEF2C
CXCL16. 1	#####	-0.59076	0.235	0.496	#####	AC-G	CXCL16
FBX032. 1	#####	0.667881	0.305	0.124	#####	AC-G	FBX032
CD14. 1	#####	-0.90431	0.227	0.444	#####	AC-G	CD14
NGFRAP1	#####	0.558683	0.78	0.618	#####	AC-G	NGFRAP1
C1QA. 1	#####	-0.75649	0.371	0.569	#####	AC-G	C1QA
RB1. 1	#####	-0.69521	0.099	0.345	1.16E-99	AC-G	RB1
GPR183. 1	#####	-0.9914	0.099	0.327	1.73E-99	AC-G	GPR183
S100A4. 1	#####	-0.90083	0.1	0.334	1.92E-99	AC-G	S100A4
SLA. 1	#####	-0.83357	0.021	0.237	2.76E-99	AC-G	SLA
CPVL. 1	#####	-0.70737	0.136	0.39	3.08E-99	AC-G	CPVL
ASS1	#####	0.420208	0.102	0.014	4.48E-99	AC-G	ASS1
CYSTM1. 1	#####	0.680436	0.489	0.292	7.59E-99	AC-G	CYSTM1
CELF2. 1	#####	-0.59855	0.165	0.426	1.72E-98	AC-G	CELF2
MARCKSL1.	#####	-0.66222	0.382	0.576	2.01E-98	AC-G	MARCKSL1
ABI3. 1	#####	-0.82159	0.014	0.224	2.04E-98	AC-G	ABI3
IFI30. 1	#####	-0.85473	0.034	0.255	4.66E-98	AC-G	IFI30
CD300A. 1	#####	-0.82203	0.015	0.226	1.55E-97	AC-G	CD300A
FRZB	#####	0.516391	0.137	0.027	1.79E-97	AC-G	FRZB
ATP5D. 1	#####	-0.46112	0.397	0.656	9.20E-97	AC-G	ATP5D
CD99	#####	0.583443	0.746	0.616	6.11E-96	AC-G	CD99
PRKCG	#####	0.425309	0.082	0.008	1.01E-95	AC-G	PRKCG
FAU. 1	#####	0.307341	0.912	0.967	1.23E-95	AC-G	FAU
TCF4. 1	1.28E-99	-0.53688	0.331	0.56	1.91E-95	AC-G	TCF4
LAT2. 1	1.66E-99	-0.8287	0.026	0.237	2.49E-95	AC-G	LAT2
TMSB4X. 1	2.71E-99	0.402561	0.992	0.998	4.05E-95	AC-G	TMSB4X



LOX	9.44E-99	0.492185	0.135	0.027	1.41E-94	AC-G	LOX
WBP5.1	1.32E-98	0.575425	0.648	0.474	1.97E-94	AC-G	WBP5
JMJD1C.1	3.06E-98	-0.53943	0.123	0.375	4.57E-94	AC-G	JMJD1C
SPINT2.1	4.26E-98	-0.74925	0.037	0.251	6.37E-94	AC-G	SPINT2
CYBB.1	1.49E-97	-0.8008	0.019	0.226	2.22E-93	AC-G	CYBB
HLA-DQB1.1	1.63E-97	-0.85111	0.136	0.362	2.44E-93	AC-G	HLA-DQB1
CETN2.1	2.25E-97	0.724605	0.474	0.292	3.36E-93	AC-G	CETN2
MMP2.1	4.58E-97	-0.55972	0.041	0.263	6.85E-93	AC-G	MMP2
LGALS9.1	5.91E-97	-0.82342	0.056	0.276	8.83E-93	AC-G	LGALS9
H1FX.1	1.53E-96	-0.55178	0.173	0.426	2.29E-92	AC-G	H1FX
EPB41L2.1	6.05E-96	-0.63928	0.115	0.349	9.04E-92	AC-G	EPB41L2
CHCHD10.1	8.83E-96	-0.55528	0.175	0.421	1.32E-91	AC-G	CHCHD10
SERPINA1.1	1.22E-95	-0.83237	0.111	0.336	1.82E-91	AC-G	SERPINA1
LPAR6.1	1.32E-95	-0.73279	0.055	0.273	1.98E-91	AC-G	LPAR6
IL18.1	4.64E-95	-0.85813	0.024	0.226	6.93E-91	AC-G	IL18
NINJ1.1	4.82E-95	-0.63618	0.246	0.492	7.20E-91	AC-G	NINJ1
EVI2A.1	4.87E-95	-0.8469	0.044	0.258	7.28E-91	AC-G	EVI2A
TCF12.1	6.06E-95	-0.52049	0.088	0.322	9.06E-91	AC-G	TCF12
S100A13	1.05E-94	0.781105	0.452	0.265	1.57E-90	AC-G	S100A13
CLEC7A.1	1.39E-94	-0.7694	0.011	0.207	2.08E-90	AC-G	CLEC7A
CPM.1	2.46E-93	-0.83371	0.059	0.269	3.67E-89	AC-G	CPM
KCTD12.1	6.70E-93	-0.64869	0.056	0.271	1.00E-88	AC-G	KCTD12
TNFAIP6	1.36E-92	0.728926	0.236	0.085	2.03E-88	AC-G	TNFAIP6
REL.1	1.66E-92	-0.69964	0.111	0.335	2.47E-88	AC-G	REL
H2AFY.1	2.50E-92	-0.4275	0.401	0.647	3.74E-88	AC-G	H2AFY
FCGR1B.1	3.05E-92	-0.86595	0.006	0.194	4.56E-88	AC-G	FCGR1B
EMP3.1	3.29E-92	0.550253	0.606	0.418	4.92E-88	AC-G	EMP3
MGAT4A.1	3.51E-92	-0.74122	0.047	0.254	5.25E-88	AC-G	MGAT4A
MNDA.1	2.03E-91	-0.75929	0.015	0.208	3.04E-87	AC-G	MNDA
ADAP2.1	3.47E-91	-0.74365	0.02	0.216	5.19E-87	AC-G	ADAP2
SERPINF1.1	4.59E-91	-0.705	0.048	0.259	6.86E-87	AC-G	SERPINF1
OSTF1.1	4.81E-91	-0.65573	0.104	0.328	7.18E-87	AC-G	OSTF1
RHOG.1	6.47E-91	-0.62736	0.207	0.449	9.66E-87	AC-G	RHOG
DCX.1	9.23E-91	-0.63967	0.034	0.238	1.38E-86	AC-G	DCX
CENPV.1	1.08E-90	-0.56706	0.074	0.29	1.62E-86	AC-G	CENPV
LTC4S.1	1.83E-90	-0.74419	0.01	0.199	2.74E-86	AC-G	LTC4S
MT1G.1	1.97E-90	0.556425	0.266	0.101	2.94E-86	AC-G	MT1G
TNC	2.36E-90	0.788992	0.345	0.173	3.52E-86	AC-G	TNC
CNPY3.1	4.41E-90	-0.60921	0.213	0.451	6.59E-86	AC-G	CNPY3
RASSF2.1	5.67E-90	-0.51559	0.073	0.295	8.47E-86	AC-G	RASSF2
PRSS35	6.01E-90	0.171524	0.059	0.003	8.99E-86	AC-G	PRSS35
MMP7	6.77E-90	0.608901	0.1	0.015	1.01E-85	AC-G	MMP7
WAS.1	1.38E-89	-0.71582	0.015	0.205	2.06E-85	AC-G	WAS
TNFRSF1B.1	2.43E-89	-0.71883	0.026	0.22	3.63E-85	AC-G	TNFRSF1B
TGFB1.1	2.67E-89	-0.58386	0.064	0.28	3.98E-85	AC-G	TGFB1
H2AFJ.1	4.86E-89	-0.67822	0.079	0.294	7.26E-85	AC-G	H2AFJ
SAA4	7.51E-89	0.384912	0.05	0.002	1.12E-84	AC-G	SAA4
AP1B1.1	8.50E-89	-0.63894	0.078	0.294	1.27E-84	AC-G	AP1B1
PRDX5.1	9.76E-89	0.45425	0.781	0.735	1.46E-84	AC-G	PRDX5
HNRNPD.1	2.66E-88	-0.48655	0.215	0.453	3.98E-84	AC-G	HNRNPD
RSPH1	2.95E-88	0.289539	0.091	0.013	4.42E-84	AC-G	RSPH1

EMP1. 1	3. 72E-88	0. 583892	0. 324	0. 15	5. 55E-84	AC-G	EMP1
LIPA. 1	3. 79E-88	-0. 63825	0. 145	0. 371	5. 66E-84	AC-G	LIPA
VAMP5	7. 49E-88	0. 736479	0. 546	0. 367	1. 12E-83	AC-G	VAMP5
CTSZ. 1	2. 35E-87	-0. 78785	0. 085	0. 289	3. 51E-83	AC-G	CTSZ
EFHD2. 1	7. 04E-87	-0. 58231	0. 042	0. 243	1. 05E-82	AC-G	EFHD2
AGT	8. 73E-87	0. 816913	0. 366	0. 191	1. 31E-82	AC-G	AGT
SRI. 1	9. 65E-87	0. 448671	0. 791	0. 717	1. 44E-82	AC-G	SRI
ABHD12. 1	1. 06E-86	-0. 5169	0. 188	0. 419	1. 58E-82	AC-G	ABHD12
NR4A2. 1	1. 13E-86	-0. 82548	0. 083	0. 284	1. 69E-82	AC-G	NR4A2
COL8A1	1. 35E-86	0. 326496	0. 08	0. 009	2. 02E-82	AC-G	COL8A1
CD83. 1	1. 39E-86	-0. 76044	0. 12	0. 329	2. 07E-82	AC-G	CD83
TPT1. 1	5. 26E-86	0. 348273	0. 924	0. 959	7. 87E-82	AC-G	TPT1
GLUL	5. 94E-86	0. 498459	0. 812	0. 781	8. 88E-82	AC-G	GLUL
TIMP4	2. 59E-85	0. 696973	0. 218	0. 078	3. 87E-81	AC-G	TIMP4
GNG7. 1	3. 65E-85	-0. 57526	0. 11	0. 336	5. 45E-81	AC-G	GNG7
SMAP2. 1	5. 54E-85	-0. 62739	0. 065	0. 269	8. 28E-81	AC-G	SMAP2
PTPN6. 1	5. 66E-85	-0. 67874	0. 011	0. 191	8. 46E-81	AC-G	PTPN6
SBDS. 1	8. 72E-85	0. 450872	0. 698	0. 593	1. 30E-80	AC-G	SBDS
HSPA1A. 1	9. 43E-85	-0. 60084	0. 296	0. 53	1. 41E-80	AC-G	HSPA1A
IGSF6. 1	1. 75E-84	-0. 75258	0. 006	0. 182	2. 61E-80	AC-G	IGSF6
LAPTM4A. 1	6. 11E-84	0. 406304	0. 801	0. 767	9. 14E-80	AC-G	LAPTM4A
PLXDC2. 1	1. 07E-83	-0. 70433	0. 045	0. 241	1. 60E-79	AC-G	PLXDC2
CCDC88A. 1	1. 39E-83	-0. 44019	0. 215	0. 455	2. 08E-79	AC-G	CCDC88A
EGLN3	1. 65E-83	0. 419653	0. 16	0. 044	2. 46E-79	AC-G	EGLN3
TM6SF1. 1	1. 87E-83	-0. 7694	0. 01	0. 187	2. 79E-79	AC-G	TM6SF1
MYO1F. 1	5. 53E-83	-0. 70842	0. 028	0. 214	8. 27E-79	AC-G	MYO1F
RNASE2. 1	9. 79E-83	-0. 79796	0. 011	0. 186	1. 46E-78	AC-G	RNASE2
FAM105A. 1	2. 62E-82	-0. 69271	0. 015	0. 191	3. 92E-78	AC-G	FAM105A
FRMD4A. 1	2. 84E-82	-0. 60721	0. 031	0. 218	4. 24E-78	AC-G	FRMD4A
DBI. 1	3. 59E-82	0. 486531	0. 862	0. 84	5. 37E-78	AC-G	DBI
LYZ. 1	5. 20E-82	-0. 8032	0. 049	0. 237	7. 77E-78	AC-G	LYZ
ENPP5	9. 09E-82	0. 285237	0. 071	0. 008	1. 36E-77	AC-G	ENPP5
IRF8. 1	1. 08E-81	-0. 69709	0. 013	0. 187	1. 61E-77	AC-G	IRF8
APOD	1. 19E-81	0. 473862	0. 313	0. 131	1. 77E-77	AC-G	APOD
YWHAB. 1	1. 28E-81	-0. 30047	0. 526	0. 737	1. 91E-77	AC-G	YWHAB
APBB1IP. 1	1. 99E-81	-0. 67144	0. 011	0. 185	2. 98E-77	AC-G	APBB1IP
PCSK1	2. 14E-81	0. 419043	0. 105	0. 02	3. 19E-77	AC-G	PCSK1
SLC7A7. 1	2. 17E-81	-0. 69285	0. 023	0. 204	3. 24E-77	AC-G	SLC7A7
FGL2. 1	2. 33E-81	-0. 73643	0. 026	0. 206	3. 49E-77	AC-G	FGL2
RALY. 1	2. 46E-81	-0. 45425	0. 265	0. 493	3. 68E-77	AC-G	RALY
SPTLC2. 1	2. 47E-81	-0. 6447	0. 05	0. 242	3. 68E-77	AC-G	SPTLC2
SLC2A5. 1	5. 70E-81	-0. 80037	0. 021	0. 199	8. 52E-77	AC-G	SLC2A5
PGK1	6. 17E-81	0. 420127	0. 772	0. 75	9. 23E-77	AC-G	PGK1
QKI. 1	7. 95E-81	-0. 47767	0. 285	0. 507	1. 19E-76	AC-G	QKI
MSR1. 1	1. 04E-80	-0. 7147	0. 028	0. 21	1. 56E-76	AC-G	MSR1
NDRG1	1. 28E-80	0. 568068	0. 312	0. 144	1. 92E-76	AC-G	NDRG1
C1QB. 1	1. 41E-80	-0. 60003	0. 444	0. 594	2. 10E-76	AC-G	C1QB
RGCC. 1	1. 43E-80	-0. 71909	0. 084	0. 282	2. 14E-76	AC-G	RGCC
TRAF4. 1	1. 75E-80	-0. 5028	0. 096	0. 303	2. 61E-76	AC-G	TRAF4
PLEK. 1	2. 93E-80	-0. 73538	0. 026	0. 204	4. 37E-76	AC-G	PLEK
UBL5	3. 71E-80	0. 392625	0. 846	0. 828	5. 54E-76	AC-G	UBL5

GEM	7.43E-80	0.507316	0.212	0.074	1.11E-75	AC-G	GEM
IFITM3	7.86E-80	0.711375	0.61	0.482	1.17E-75	AC-G	IFITM3
PREX1.1	8.42E-80	-0.54405	0.055	0.25	1.26E-75	AC-G	PREX1
TOMM7	1.31E-79	0.410198	0.842	0.854	1.96E-75	AC-G	TOMM7
C5AR1.1	1.56E-79	-0.82141	0.077	0.269	2.33E-75	AC-G	C5AR1
FOLR2.1	1.71E-79	-0.86581	0.028	0.207	2.56E-75	AC-G	FOLR2
FAM26F.1	2.03E-79	-0.67611	0.021	0.195	3.03E-75	AC-G	FAM26F
TAF7.1	3.00E-79	0.475787	0.656	0.533	4.49E-75	AC-G	TAF7
NUDT3.1	3.19E-79	-0.46336	0.208	0.437	4.76E-75	AC-G	NUDT3
EIF3L	5.81E-79	-0.33868	0.402	0.646	8.68E-75	AC-G	EIF3L
EPAS1	6.18E-79	0.490374	0.218	0.083	9.24E-75	AC-G	EPAS1
PTGS1.1	1.02E-78	-0.57168	0.014	0.184	1.52E-74	AC-G	PTGS1
CYFIP1.1	1.54E-78	-0.50207	0.106	0.318	2.31E-74	AC-G	CYFIP1
GADD45A.1	2.51E-78	0.611284	0.421	0.251	3.76E-74	AC-G	GADD45A
TSPAN14.1	3.50E-78	-0.51182	0.052	0.244	5.24E-74	AC-G	TSPAN14
SHFM1	4.38E-78	0.432108	0.773	0.713	6.55E-74	AC-G	SHFM1
FAM181B.1	6.61E-78	-0.52323	0.048	0.234	9.87E-74	AC-G	FAM181B
RP11-437L	8.45E-78	0.332877	0.056	0.004	1.26E-73	AC-G	RP11-437L7.1
SIGLEC10.1	1.30E-77	-0.68203	0.019	0.19	1.94E-73	AC-G	SIGLEC10
CD81.1	1.54E-77	-0.49931	0.248	0.476	2.31E-73	AC-G	CD81
SH3KBP1.1	1.82E-77	-0.56371	0.078	0.273	2.72E-73	AC-G	SH3KBP1
GIMAP4.1	2.46E-77	-0.68413	0.01	0.177	3.68E-73	AC-G	GIMAP4
RARRES3.1	3.18E-77	0.734498	0.389	0.215	4.75E-73	AC-G	RARRES3
SRGAP2.1	4.04E-77	-0.57552	0.071	0.264	6.04E-73	AC-G	SRGAP2
STXBP2.1	5.89E-77	-0.65857	0.027	0.201	8.80E-73	AC-G	STXBP2
BACE2.1	6.29E-77	0.291192	0.141	0.037	9.39E-73	AC-G	BACE2
MAP3K8.1	7.47E-77	-0.71116	0.036	0.212	1.12E-72	AC-G	MAP3K8
SKIL.1	1.12E-76	-0.55386	0.117	0.319	1.68E-72	AC-G	SKIL
VEGFA.1	1.13E-76	0.621106	0.347	0.19	1.69E-72	AC-G	VEGFA
SLC31A2.1	1.37E-76	-0.7073	0.042	0.222	2.05E-72	AC-G	SLC31A2
HLA-E.1	2.13E-76	-0.48027	0.434	0.628	3.18E-72	AC-G	HLA-E
SRM.1	2.52E-76	-0.4723	0.18	0.401	3.77E-72	AC-G	SRM
CMTM7.1	2.84E-76	-0.57388	0.021	0.192	4.25E-72	AC-G	CMTM7
RNF130.1	2.90E-76	-0.50757	0.275	0.499	4.34E-72	AC-G	RNF130
CHD7.1	3.14E-76	-0.47916	0.114	0.323	4.69E-72	AC-G	CHD7
HCK.1	3.52E-76	-0.67936	0.024	0.195	5.26E-72	AC-G	HCK
CD4.1	5.93E-76	-0.65651	0.016	0.182	8.86E-72	AC-G	CD4
AC015936.7	5.51E-76	0.320569	0.074	0.009	1.12E-71	AC-G	AC015936.3
OLFML3.1	9.12E-76	-0.73248	0.068	0.257	1.36E-71	AC-G	OLFML3
ATP1B3.1	9.37E-76	-0.42181	0.353	0.582	1.40E-71	AC-G	ATP1B3
HLA-DMA.1	1.02E-75	-0.63183	0.246	0.44	1.52E-71	AC-G	HLA-DMA
UBE2E3.1	1.65E-75	-0.39604	0.269	0.497	2.46E-71	AC-G	UBE2E3
SAMHD1.1	1.85E-75	-0.59512	0.06	0.245	2.76E-71	AC-G	SAMHD1
ZEB2.1	1.99E-75	-0.51982	0.13	0.337	2.98E-71	AC-G	ZEB2
FMNL2.1	2.23E-75	-0.47292	0.097	0.298	3.33E-71	AC-G	FMNL2
MTSS1.1	7.24E-75	-0.57994	0.059	0.243	1.08E-70	AC-G	MTSS1
AES.1	8.54E-75	-0.44723	0.226	0.446	1.28E-70	AC-G	AES
SOX4.1	8.71E-75	-0.6834	0.292	0.475	1.30E-70	AC-G	SOX4
SET.1	1.34E-74	-0.33818	0.367	0.598	2.00E-70	AC-G	SET
FERMT3.1	1.35E-74	-0.6738	0.026	0.194	2.02E-70	AC-G	FERMT3
PARVG.1	1.37E-74	-0.69162	0.022	0.189	2.04E-70	AC-G	PARVG

IFNGR2.1	1.59E-74	-0.47976	0.206	0.425	2.38E-70	AC-G	IFNGR2
UBE2S.1	1.79E-74	-0.51626	0.166	0.379	2.68E-70	AC-G	UBE2S
C11orf70	1.80E-74	0.235849	0.073	0.009	2.69E-70	AC-G	C11orf70
CSF3R.1	1.92E-74	-0.68139	0.016	0.179	2.87E-70	AC-G	CSF3R
ANP32A.1	2.88E-74	-0.34059	0.232	0.466	4.30E-70	AC-G	ANP32A
SERPINE1	3.15E-74	0.56049	0.212	0.078	4.71E-70	AC-G	SERPINE1
DDX17.1	4.23E-74	-0.45881	0.24	0.46	6.32E-70	AC-G	DDX17
KHDRBS1.1	4.26E-74	-0.42239	0.295	0.523	6.36E-70	AC-G	KHDRBS1
RP11-161M	4.59E-74	-0.52715	0.025	0.194	6.86E-70	AC-G	RP11-161M6.2
SLC16A1.1	6.16E-74	0.570505	0.365	0.208	9.21E-70	AC-G	SLC16A1
GLTSCR2.1	6.86E-74	-0.38936	0.353	0.605	1.03E-69	AC-G	GLTSCR2
MAP1B.1	8.30E-74	0.506063	0.672	0.507	1.24E-69	AC-G	MAP1B
EIF1AY.1	1.10E-73	-0.39538	0.031	0.206	1.64E-69	AC-G	EIF1AY
AP1S2.1	1.21E-73	-0.41016	0.322	0.535	1.81E-69	AC-G	AP1S2
RDH10.1	1.33E-73	0.457072	0.187	0.066	1.99E-69	AC-G	RDH10
ARHGAP29	2.48E-73	0.242176	0.095	0.018	3.70E-69	AC-G	ARHGAP29
LPCAT2.1	2.89E-73	-0.60122	0.014	0.173	4.31E-69	AC-G	LPCAT2
MYCBP2.1	3.28E-73	-0.49958	0.134	0.338	4.90E-69	AC-G	MYCBP2
ZNF331.1	3.29E-73	-0.72484	0.155	0.347	4.92E-69	AC-G	ZNF331
IDH2.1	4.45E-73	-0.44322	0.24	0.463	6.65E-69	AC-G	IDH2
IER3.1	5.05E-73	-0.74885	0.088	0.271	7.55E-69	AC-G	IER3
ACTR2.1	6.83E-73	-0.42752	0.274	0.495	1.02E-68	AC-G	ACTR2
CLIC4	8.11E-73	0.550066	0.472	0.305	1.21E-68	AC-G	CLIC4
LRRC2	1.05E-72	0.21858	0.069	0.009	1.57E-68	AC-G	LRRC2
CREG1.1	1.18E-72	-0.60282	0.135	0.328	1.77E-68	AC-G	CREG1
FOXN3.1	2.04E-72	-0.51336	0.091	0.287	3.05E-68	AC-G	FOXN3
OLIG1.1	2.04E-72	-0.66626	0.036	0.208	3.05E-68	AC-G	OLIG1
S100A9.1	2.30E-72	-0.80822	0.074	0.253	3.44E-68	AC-G	S100A9
HLA-A.1	3.08E-72	0.362848	0.889	0.897	4.60E-68	AC-G	HLA-A
SERPINB9	3.92E-72	-0.64051	0.014	0.172	5.85E-68	AC-G	SERPINB9
MFSD1.1	5.58E-72	-0.55758	0.173	0.377	8.33E-68	AC-G	MFSD1
UQCRB.1	5.70E-72	-0.29844	0.46	0.721	8.52E-68	AC-G	UQCRB
SFPQ.1	5.94E-72	-0.39168	0.358	0.578	8.88E-68	AC-G	SFPQ
S100A8.1	6.85E-72	-0.80942	0.043	0.213	1.02E-67	AC-G	S100A8
GBE1.1	9.07E-72	0.554073	0.316	0.16	1.36E-67	AC-G	GBE1
LAMTOR5.1	9.83E-72	0.40835	0.74	0.682	1.47E-67	AC-G	LAMTOR5
IL13RA1.1	1.15E-71	-0.61016	0.094	0.279	1.72E-67	AC-G	IL13RA1
GSTP1.1	1.26E-71	0.396784	0.821	0.822	1.88E-67	AC-G	GSTP1
PLOD2.1	1.48E-71	0.566879	0.281	0.139	2.21E-67	AC-G	PLOD2
BDH2	1.61E-71	0.526159	0.262	0.118	2.40E-67	AC-G	BDH2
RNF145.1	1.75E-71	-0.42359	0.197	0.412	2.62E-67	AC-G	RNF145
ARL5A.1	1.90E-71	-0.39723	0.33	0.554	2.84E-67	AC-G	ARL5A
AKAP12.1	2.01E-71	0.635283	0.31	0.163	3.00E-67	AC-G	AKAP12
VASN	2.70E-71	0.214715	0.076	0.011	4.04E-67	AC-G	VASN
DYNLL1	2.84E-71	0.335546	0.848	0.834	4.24E-67	AC-G	DYNLL1
PLD4.1	3.03E-71	-0.70044	0.02	0.179	4.53E-67	AC-G	PLD4
ACSL1.1	4.32E-71	-0.65256	0.077	0.257	6.46E-67	AC-G	ACSL1
HAMP.1	4.98E-71	-0.84045	0.026	0.187	7.44E-67	AC-G	HAMP
BID.1	5.44E-71	-0.40603	0.169	0.393	8.13E-67	AC-G	BID
KLHDC8A.1	7.05E-71	-0.46388	0.091	0.281	1.05E-66	AC-G	KLHDC8A
SRSF9.1	8.32E-71	-0.38614	0.382	0.596	1.24E-66	AC-G	SRSF9

FAS	1. 62E-70	0. 450774	0. 159	0. 049	2. 43E-66	AC-G	FAS
IL10RA. 1	1. 78E-70	-0. 61681	0. 01	0. 163	2. 66E-66	AC-G	IL10RA
ARHGAP18.	1. 86E-70	-0. 59144	0. 033	0. 199	2. 78E-66	AC-G	ARHGAP18
LIMS1. 1	2. 00E-70	-0. 43363	0. 264	0. 474	2. 99E-66	AC-G	LIMS1
GAA. 1	2. 06E-70	-0. 48606	0. 15	0. 353	3. 07E-66	AC-G	GAA
WIPF1. 1	2. 25E-70	-0. 53134	0. 067	0. 249	3. 37E-66	AC-G	WIPF1
FTH1. 1	2. 28E-70	0. 187843	0. 833	0. 952	3. 41E-66	AC-G	FTH1
ZNF667-AS	2. 47E-70	0. 541526	0. 515	0. 363	3. 69E-66	AC-G	ZNF667-AS1
SEPP1. 1	2. 96E-70	0. 575829	0. 495	0. 296	4. 42E-66	AC-G	SEPP1
APOC1. 1	3. 07E-70	-0. 50925	0. 372	0. 544	4. 59E-66	AC-G	APOC1
MARCH1. 1	4. 14E-70	-0. 5444	0. 046	0. 219	6. 18E-66	AC-G	1-Mar
PTPRE. 1	4. 19E-70	-0. 56148	0. 108	0. 301	6. 26E-66	AC-G	PTPRE
SOX8. 1	5. 27E-70	-0. 49987	0. 036	0. 205	7. 88E-66	AC-G	SOX8
CD69. 1	6. 33E-70	-0. 79145	0. 021	0. 179	9. 46E-66	AC-G	CD69
HTRA1. 1	8. 62E-70	-0. 44065	0. 27	0. 497	1. 29E-65	AC-G	HTRA1
PLP2. 1	9. 42E-70	0. 580242	0. 475	0. 318	1. 41E-65	AC-G	PLP2
SCIN. 1	1. 22E-69	-0. 73573	0. 02	0. 176	1. 83E-65	AC-G	SCIN
SLAIN1. 1	1. 63E-69	-0. 52056	0. 055	0. 232	2. 44E-65	AC-G	SLAIN1
TSHZ2	3. 91E-69	0. 338617	0. 129	0. 034	5. 84E-65	AC-G	TSHZ2
CEP170. 1	4. 35E-69	-0. 44956	0. 1	0. 293	6. 50E-65	AC-G	CEP170
NCF4. 1	4. 48E-69	-0. 65182	0. 016	0. 171	6. 70E-65	AC-G	NCF4
DHRS7. 1	4. 67E-69	-0. 36586	0. 363	0. 594	6. 98E-65	AC-G	DHRS7
FUOM. 1	4. 89E-69	-0. 56691	0. 013	0. 166	7. 31E-65	AC-G	FUOM
SLC16A3. 1	8. 38E-69	-0. 61423	0. 162	0. 351	1. 25E-64	AC-G	SLC16A3
USF2. 1	1. 17E-68	-0. 45002	0. 154	0. 359	1. 75E-64	AC-G	USF2
GPR65. 1	1. 50E-68	-0. 6097	0. 009	0. 158	2. 24E-64	AC-G	GPR65
GNAQ. 1	1. 69E-68	-0. 41098	0. 122	0. 319	2. 53E-64	AC-G	GNAQ
ZFAND5. 1	1. 71E-68	-0. 39166	0. 271	0. 5	2. 55E-64	AC-G	ZFAND5
FAM89B. 1	2. 02E-68	-0. 40865	0. 09	0. 277	3. 03E-64	AC-G	FAM89B
SPOCK2	2. 13E-68	0. 54157	0. 253	0. 117	3. 18E-64	AC-G	SPOCK2
GNB1. 1	3. 01E-68	-0. 41054	0. 236	0. 45	4. 50E-64	AC-G	GNB1
MEX3A. 1	3. 41E-68	-0. 42213	0. 038	0. 205	5. 10E-64	AC-G	MEX3A
AQP4	7. 82E-68	0. 66832	0. 288	0. 142	1. 17E-63	AC-G	AQP4
NREP. 1	9. 55E-68	-0. 43595	0. 109	0. 304	1. 43E-63	AC-G	NREP
CA12. 1	9. 73E-68	0. 553412	0. 246	0. 115	1. 45E-63	AC-G	CA12
BCL2A1. 1	1. 27E-67	-0. 67429	0. 027	0. 182	1. 89E-63	AC-G	BCL2A1
ETV5. 1	1. 52E-67	-0. 43153	0. 099	0. 29	2. 26E-63	AC-G	ETV5
C6orf141	1. 63E-67	0. 374131	0. 091	0. 018	2. 44E-63	AC-G	C6orf141
CTSC. 1	6. 64E-67	-0. 50243	0. 219	0. 416	9. 93E-63	AC-G	CTSC
TXN. 1	1. 43E-66	0. 457218	0. 717	0. 656	2. 14E-62	AC-G	TXN
PTMS. 1	1. 90E-66	-0. 3792	0. 402	0. 582	2. 84E-62	AC-G	PTMS
CSTA. 1	1. 93E-66	-0. 54391	0. 008	0. 152	2. 88E-62	AC-G	CSTA
HMG1. 1	4. 97E-66	-0. 35132	0. 478	0. 701	7. 43E-62	AC-G	HMG1
IGSF21. 1	6. 80E-66	-0. 54707	0. 03	0. 189	1. 02E-61	AC-G	IGSF21
REEP3. 1	6. 81E-66	-0. 40707	0. 091	0. 275	1. 02E-61	AC-G	REEP3
PCBP1. 1	9. 46E-66	-0. 33047	0. 403	0. 624	1. 41E-61	AC-G	PCBP1
CD302. 1	1. 07E-65	-0. 59179	0. 063	0. 232	1. 59E-61	AC-G	CD302
MTDH. 1	1. 16E-65	-0. 34982	0. 423	0. 646	1. 74E-61	AC-G	MTDH
MPST. 1	1. 19E-65	-0. 40598	0. 138	0. 339	1. 79E-61	AC-G	MPST
HIF1A	1. 72E-65	-0. 3621	0. 313	0. 533	2. 57E-61	AC-G	HIF1A
ITM2C. 1	1. 92E-65	0. 633867	0. 51	0. 399	2. 87E-61	AC-G	ITM2C

PODXL2. 1	1. 93E-65	-0. 48656	0. 148	0. 339	2. 89E-61	AC-G	PODXL2
DSTN. 1	2. 23E-65	0. 425968	0. 705	0. 601	3. 33E-61	AC-G	DSTN
FRMD4B. 1	2. 77E-65	-0. 57478	0. 029	0. 185	4. 14E-61	AC-G	FRMD4B
KIF5B. 1	3. 34E-65	-0. 377	0. 338	0. 545	4. 99E-61	AC-G	KIF5B
SRSF2. 1	4. 42E-65	-0. 35142	0. 425	0. 64	6. 60E-61	AC-G	SRSF2
RILPL2. 1	8. 05E-65	-0. 58384	0. 109	0. 288	1. 20E-60	AC-G	RILPL2
AKAP13. 1	1. 09E-64	-0. 44789	0. 155	0. 358	1. 62E-60	AC-G	AKAP13
GPRC5A	1. 56E-64	0. 180277	0. 048	0. 004	2. 33E-60	AC-G	GPRC5A
ADAM28. 1	1. 65E-64	-0. 63249	0. 018	0. 165	2. 46E-60	AC-G	ADAM28
GBP2	2. 71E-64	0. 581439	0. 341	0. 182	4. 06E-60	AC-G	GBP2
TRMT112. 1	3. 08E-64	0. 402046	0. 748	0. 699	4. 60E-60	AC-G	TRMT112
CADPS. 1	3. 65E-64	0. 365733	0. 114	0. 029	5. 46E-60	AC-G	CADPS
ARHGAP21. 1	4. 17E-64	-0. 44657	0. 096	0. 28	6. 23E-60	AC-G	ARHGAP21
TRABD. 1	5. 19E-64	-0. 45649	0. 105	0. 289	7. 75E-60	AC-G	TRABD
ABCC3	5. 40E-64	0. 503471	0. 2	0. 08	8. 08E-60	AC-G	ABCC3
PILRA. 1	7. 12E-64	-0. 66863	0. 036	0. 19	1. 06E-59	AC-G	PILRA
GPC2. 1	9. 65E-64	-0. 51024	0. 037	0. 193	1. 44E-59	AC-G	GPC2
HINT1	1. 72E-63	0. 36961	0. 84	0. 825	2. 57E-59	AC-G	HINT1
VM01. 1	2. 83E-63	-0. 67645	0. 033	0. 184	4. 23E-59	AC-G	VM01
HSPA5. 1	3. 10E-63	0. 425902	0. 694	0. 65	4. 63E-59	AC-G	HSPA5
CCNI. 1	3. 40E-63	-0. 2976	0. 541	0. 738	5. 08E-59	AC-G	CCNI
COR01B. 1	4. 66E-63	-0. 37723	0. 192	0. 394	6. 96E-59	AC-G	COR01B
FCGR2B. 1	5. 31E-63	-0. 70216	0. 022	0. 168	7. 93E-59	AC-G	FCGR2B
MLIP	8. 60E-63	0. 150826	0. 05	0. 005	1. 29E-58	AC-G	MLIP
BRI3. 1	9. 69E-63	-0. 3598	0. 297	0. 501	1. 45E-58	AC-G	BRI3
ALOX5. 1	1. 02E-62	-0. 55494	0. 018	0. 162	1. 53E-58	AC-G	ALOX5
RHOC. 1	1. 09E-62	0. 472788	0. 631	0. 514	1. 63E-58	AC-G	RHOC
HNRNPAB. 1	1. 12E-62	-0. 37538	0. 225	0. 431	1. 67E-58	AC-G	HNRNPAB
RHBDF2. 1	1. 19E-62	-0. 60807	0. 047	0. 203	1. 77E-58	AC-G	RHBDF2
TAGLN3. 1	1. 32E-62	-0. 58581	0. 055	0. 214	1. 97E-58	AC-G	TAGLN3
FAM173A. 1	1. 45E-62	-0. 3954	0. 127	0. 318	2. 16E-58	AC-G	FAM173A
KLC1. 1	1. 56E-62	-0. 41425	0. 19	0. 393	2. 33E-58	AC-G	KLC1
MFNG. 1	1. 67E-62	-0. 53598	0. 01	0. 149	2. 50E-58	AC-G	MFNG
PLEKH01. 1	1. 69E-62	-0. 42393	0. 117	0. 306	2. 52E-58	AC-G	PLEKH01
NPL. 1	2. 23E-62	-0. 61939	0. 064	0. 227	3. 33E-58	AC-G	NPL
HLA-B. 1	2. 37E-62	0. 354579	0. 867	0. 849	3. 55E-58	AC-G	HLA-B
GYPC. 1	2. 40E-62	-0. 61189	0. 158	0. 339	3. 58E-58	AC-G	GYPC
STAB1. 1	2. 77E-62	-0. 6451	0. 034	0. 186	4. 14E-58	AC-G	STAB1
SLC43A2. 1	3. 14E-62	-0. 49029	0. 097	0. 274	4. 69E-58	AC-G	SLC43A2
CDC42	4. 07E-62	-0. 20554	0. 428	0. 658	6. 09E-58	AC-G	CDC42
SORL1. 1	5. 74E-62	-0. 54222	0. 083	0. 255	8. 58E-58	AC-G	SORL1
BSG. 1	5. 76E-62	0. 382401	0. 776	0. 735	8. 61E-58	AC-G	BSG
RP11-552D4. 1	6. 26E-62	-0. 69777	0. 007	0. 142	9. 35E-58	AC-G	RP11-552D4. 1
DNAH11	7. 67E-62	0. 185942	0. 064	0. 009	1. 15E-57	AC-G	DNAH11
PRDX2. 1	1. 16E-61	0. 450701	0. 774	0. 687	1. 73E-57	AC-G	PRDX2
KIF5C. 1	1. 33E-61	-0. 45136	0. 117	0. 297	1. 99E-57	AC-G	KIF5C
AP2S1. 1	1. 43E-61	-0. 29841	0. 487	0. 694	2. 14E-57	AC-G	AP2S1
SYPL1. 1	1. 63E-61	0. 488045	0. 529	0. 382	2. 43E-57	AC-G	SYPL1
HES6. 1	2. 13E-61	-0. 58077	0. 135	0. 315	3. 19E-57	AC-G	HES6
MCL1. 1	2. 22E-61	-0. 36075	0. 422	0. 633	3. 31E-57	AC-G	MCL1
ARL6IP4. 1	2. 41E-61	-0. 33263	0. 449	0. 658	3. 60E-57	AC-G	ARL6IP4

RGS12.1	2.93E-61	-0.41757	0.115	0.301	4.37E-57	AC-G	RGS12
KTN1.1	3.10E-61	-0.34608	0.361	0.559	4.64E-57	AC-G	KTN1
PABPC4.1	3.45E-61	-0.44126	0.168	0.36	5.15E-57	AC-G	PABPC4
C12orf75.	3.65E-61	-0.49784	0.059	0.219	5.45E-57	AC-G	C12orf75
TSP0	3.89E-61	-0.31264	0.422	0.628	5.82E-57	AC-G	TSP0
HMGB3.1	3.91E-61	-0.46927	0.126	0.308	5.85E-57	AC-G	HMGB3
SMARCB1.1	4.52E-61	-0.39027	0.244	0.447	6.75E-57	AC-G	SMARCB1
DDX5.1	5.39E-61	-0.18437	0.656	0.848	8.05E-57	AC-G	DDX5
SOCS6.1	6.17E-61	-0.4189	0.084	0.258	9.22E-57	AC-G	SOCS6
LCP1	7.37E-61	-0.56487	0.022	0.165	1.10E-56	AC-G	LCP1
RPS6KA1.1	7.50E-61	-0.50787	0.015	0.154	1.12E-56	AC-G	RPS6KA1
NCKAP1L.1	7.68E-61	-0.5633	0.009	0.144	1.15E-56	AC-G	NCKAP1L
SMARCA4.1	8.21E-61	-0.36873	0.197	0.393	1.23E-56	AC-G	SMARCA4
RCSD1.1	8.33E-61	-0.55713	0.008	0.142	1.24E-56	AC-G	RCSD1
SEZ6L.1	9.11E-61	-0.39686	0.017	0.158	1.36E-56	AC-G	SEZ6L
SRPX2	9.15E-61	0.49067	0.135	0.043	1.37E-56	AC-G	SRPX2
GADD45B	1.03E-60	0.527761	0.618	0.466	1.53E-56	AC-G	GADD45B
CD84.1	1.09E-60	-0.56276	0.014	0.152	1.63E-56	AC-G	CD84
PRTN3	1.12E-60	0.129883	0.032	0.001	1.67E-56	AC-G	PRTN3
COL5A1	1.24E-60	0.149877	0.053	0.006	1.85E-56	AC-G	COL5A1
RAB20.1	1.35E-60	-0.58985	0.094	0.264	2.02E-56	AC-G	RAB20
FOS.1	1.68E-60	0.395717	0.841	0.841	2.52E-56	AC-G	FOS
PMEPA1.1	2.02E-60	-0.41424	0.065	0.228	3.02E-56	AC-G	PMEPA1
BAZ1A.1	2.24E-60	-0.38503	0.158	0.351	3.35E-56	AC-G	BAZ1A
HSPB2	2.97E-60	0.225857	0.061	0.008	4.43E-56	AC-G	HSPB2
CSNK1E.1	3.43E-60	-0.3789	0.146	0.337	5.12E-56	AC-G	CSNK1E
CTDNEP1.1	4.01E-60	-0.39594	0.16	0.343	5.99E-56	AC-G	CTDNEP1
FABP5.1	4.12E-60	1.015851	0.513	0.369	6.16E-56	AC-G	FABP5
HSPB1	4.60E-60	0.431299	0.685	0.648	6.88E-56	AC-G	HSPB1
ARF6.1	4.74E-60	-0.39624	0.18	0.375	7.09E-56	AC-G	ARF6
MBP	8.42E-60	-0.77523	0.1	0.265	1.26E-55	AC-G	MBP
SNCA.1	9.58E-60	-0.58954	0.024	0.167	1.43E-55	AC-G	SNCA
PPP1R18.1	1.12E-59	-0.4594	0.14	0.323	1.67E-55	AC-G	PPP1R18
PRDX1.1	2.62E-59	0.309728	0.795	0.811	3.91E-55	AC-G	PRDX1
AOAH.1	2.62E-59	-0.5755	0.011	0.145	3.91E-55	AC-G	AOAH
CD33.1	3.36E-59	-0.56908	0.009	0.141	5.01E-55	AC-G	CD33
RABL6.1	3.39E-59	-0.38772	0.102	0.275	5.07E-55	AC-G	RABL6
CKLF.1	3.79E-59	-0.3524	0.341	0.554	5.66E-55	AC-G	CKLF
DBN1.1	4.58E-59	-0.42334	0.157	0.341	6.85E-55	AC-G	DBN1
APLNR	4.69E-59	0.202494	0.042	0.003	7.01E-55	AC-G	APLNR
STMN2.1	4.88E-59	-0.81927	0.059	0.211	7.29E-55	AC-G	STMN2
NKD2	5.21E-59	0.103975	0.042	0.003	7.79E-55	AC-G	NKD2
DBNL.1	7.35E-59	-0.34993	0.253	0.459	1.10E-54	AC-G	DBNL
AKR1B1.1	8.43E-59	-0.24823	0.44	0.661	1.26E-54	AC-G	AKR1B1
LIX1	9.59E-59	0.29886	0.068	0.011	1.43E-54	AC-G	LIX1
SMOX.1	1.11E-58	0.539748	0.367	0.223	1.67E-54	AC-G	SMOX
SEPT6.1	1.14E-58	-0.45552	0.041	0.19	1.70E-54	AC-G	6-Sep
PTAFR.1	1.28E-58	-0.56675	0.014	0.147	1.91E-54	AC-G	PTAFR
MPP1.1	1.78E-58	-0.51087	0.069	0.226	2.66E-54	AC-G	MPP1
NACA	1.81E-58	0.241101	0.877	0.934	2.71E-54	AC-G	NACA
MAP2.1	1.84E-58	-0.41116	0.181	0.368	2.76E-54	AC-G	MAP2

PGD. 1	1. 87E-58	-0. 38293	0. 136	0. 323	2. 79E-54	AC-G	PGD
NCF1. 1	2. 32E-58	-0. 52034	0. 013	0. 145	3. 46E-54	AC-G	NCF1
VPS37B. 1	2. 40E-58	-0. 41695	0. 108	0. 283	3. 59E-54	AC-G	VPS37B
CAPZA1. 1	3. 57E-58	-0. 40083	0. 23	0. 424	5. 33E-54	AC-G	CAPZA1
OSR1	6. 72E-58	0. 41077	0. 051	0. 006	1. 00E-53	AC-G	OSR1
SPCS2. 1	6. 98E-58	0. 357957	0. 756	0. 725	1. 04E-53	AC-G	SPCS2
ATP6AP1. 1	7. 04E-58	-0. 3781	0. 323	0. 526	1. 05E-53	AC-G	ATP6AP1
BLVRB. 1	8. 15E-58	0. 538591	0. 498	0. 35	1. 22E-53	AC-G	BLVRB
BUD31. 1	8. 43E-58	0. 416153	0. 695	0. 615	1. 26E-53	AC-G	BUD31
KISS1R	8. 85E-58	0. 124092	0. 041	0. 003	1. 32E-53	AC-G	KISS1R
FMNL1. 1	8. 94E-58	-0. 5015	0. 014	0. 145	1. 34E-53	AC-G	FMNL1
ROB01. 1	1. 08E-57	-0. 36881	0. 051	0. 203	1. 62E-53	AC-G	ROB01
ENTPD1. 1	1. 30E-57	-0. 59003	0. 041	0. 186	1. 94E-53	AC-G	ENTPD1
MAP7D1. 1	1. 81E-57	-0. 38753	0. 189	0. 376	2. 71E-53	AC-G	MAP7D1
POSTN. 1	1. 88E-57	-0. 437	0. 017	0. 151	2. 81E-53	AC-G	POSTN
LYSMD2. 1	1. 94E-57	-0. 37048	0. 061	0. 218	2. 89E-53	AC-G	LYSMD2
H3F3B. 1	2. 06E-57	0. 239207	0. 935	0. 978	3. 07E-53	AC-G	H3F3B
CHCHD2	2. 45E-57	0. 293915	0. 869	0. 882	3. 66E-53	AC-G	CHCHD2
GNB2L1. 1	3. 54E-57	0. 251057	0. 888	0. 953	5. 29E-53	AC-G	GNB2L1
IER2. 1	3. 68E-57	-0. 32269	0. 426	0. 652	5. 51E-53	AC-G	IER2
DOCK8. 1	4. 28E-57	-0. 52633	0. 013	0. 142	6. 40E-53	AC-G	DOCK8
TPST1. 1	4. 47E-57	0. 500925	0. 351	0. 218	6. 68E-53	AC-G	TPST1
AKIRIN2. 1	7. 92E-57	-0. 37887	0. 216	0. 413	1. 18E-52	AC-G	AKIRIN2
SRRM2. 1	8. 22E-57	-0. 34152	0. 362	0. 565	1. 23E-52	AC-G	SRRM2
C1orf194	8. 80E-57	0. 1801	0. 054	0. 007	1. 31E-52	AC-G	C1orf194
PDPN	1. 06E-56	0. 65787	0. 543	0. 431	1. 58E-52	AC-G	PDPN
DMKN	1. 13E-56	0. 250048	0. 043	0. 004	1. 69E-52	AC-G	DMKN
HMGA1. 1	1. 34E-56	-0. 36531	0. 185	0. 376	2. 00E-52	AC-G	HMGA1
NR4A3. 1	1. 37E-56	-0. 5941	0. 034	0. 174	2. 05E-52	AC-G	NR4A3
ECM2	1. 89E-56	0. 235189	0. 062	0. 009	2. 83E-52	AC-G	ECM2
TMEM173. 1	2. 27E-56	-0. 568	0. 017	0. 148	3. 39E-52	AC-G	TMEM173
SPTSSA. 1	2. 30E-56	0. 51486	0. 53	0. 408	3. 44E-52	AC-G	SPTSSA
RBMS1. 1	2. 42E-56	-0. 32819	0. 104	0. 278	3. 61E-52	AC-G	RBMS1
LAMP1. 1	2. 51E-56	-0. 34851	0. 341	0. 556	3. 75E-52	AC-G	LAMP1
GNB4. 1	2. 53E-56	-0. 41531	0. 096	0. 259	3. 79E-52	AC-G	GNB4
PALMD	2. 91E-56	0. 180861	0. 057	0. 008	4. 34E-52	AC-G	PALMD
IFT57. 1	3. 37E-56	0. 538707	0. 363	0. 225	5. 04E-52	AC-G	IFT57
CTSH. 1	3. 61E-56	-0. 54033	0. 153	0. 323	5. 39E-52	AC-G	CTSH
ENG. 1	4. 06E-56	-0. 54288	0. 045	0. 188	6. 06E-52	AC-G	ENG
PELI1. 1	4. 71E-56	-0. 47877	0. 077	0. 235	7. 04E-52	AC-G	PELI1
CHST11. 1	5. 33E-56	-0. 42794	0. 079	0. 239	7. 97E-52	AC-G	CHST11
LHFPL2. 1	6. 09E-56	-0. 45581	0. 04	0. 184	9. 10E-52	AC-G	LHFPL2
ASCL1. 1	7. 60E-56	-0. 43399	0. 057	0. 211	1. 14E-51	AC-G	ASCL1
CD68. 1	8. 39E-56	-0. 57029	0. 317	0. 466	1. 25E-51	AC-G	CD68
FGD4. 1	8. 40E-56	-0. 4676	0. 03	0. 169	1. 26E-51	AC-G	FGD4
APBA2. 1	8. 92E-56	-0. 33856	0. 073	0. 233	1. 33E-51	AC-G	APBA2
BAZ2B. 1	9. 39E-56	-0. 36075	0. 166	0. 35	1. 40E-51	AC-G	BAZ2B
PLA2G5	1. 16E-55	0. 662522	0. 204	0. 09	1. 73E-51	AC-G	PLA2G5
SIPA1. 1	1. 36E-55	-0. 43889	0. 027	0. 161	2. 03E-51	AC-G	SIPA1
LRRFIP1. 1	1. 71E-55	-0. 41121	0. 194	0. 384	2. 55E-51	AC-G	LRRFIP1
MIS18BP1. 1	1. 76E-55	-0. 44076	0. 031	0. 169	2. 63E-51	AC-G	MIS18BP1



CFD. 1	1. 83E-55	-0. 5954	0. 039	0. 179	2. 74E-51	AC-G	CFD
OSM. 1	2. 33E-55	-0. 67616	0. 032	0. 167	3. 48E-51	AC-G	OSM
PABPC1. 1	2. 38E-55	-0. 28922	0. 573	0. 778	3. 56E-51	AC-G	PABPC1
IFITM2. 1	2. 50E-55	-0. 66236	0. 147	0. 309	3. 74E-51	AC-G	IFITM2
SPRED1. 1	2. 56E-55	-0. 36113	0. 069	0. 227	3. 83E-51	AC-G	SPRED1
LDLRAD4. 1	2. 79E-55	-0. 46185	0. 031	0. 168	4. 17E-51	AC-G	LDLRAD4
NETO2. 1	3. 76E-55	-0. 32258	0. 041	0. 185	5. 62E-51	AC-G	NETO2
PDZK1IP1	3. 91E-55	0. 198268	0. 053	0. 007	5. 85E-51	AC-G	PDZK1IP1
BIN2. 1	5. 10E-55	-0. 51701	0. 009	0. 132	7. 62E-51	AC-G	BIN2
PKIG. 1	5. 14E-55	0. 582048	0. 426	0. 288	7. 67E-51	AC-G	PKIG
NAGA. 1	9. 18E-55	-0. 50362	0. 06	0. 209	1. 37E-50	AC-G	NAGA
APMAP. 1	1. 03E-54	-0. 34413	0. 35	0. 551	1. 55E-50	AC-G	APMAP
DLL3. 1	1. 39E-54	-0. 55793	0. 031	0. 166	2. 07E-50	AC-G	DLL3
CCND1. 1	1. 51E-54	-0. 43779	0. 083	0. 245	2. 26E-50	AC-G	CCND1
GRINA. 1	1. 55E-54	-0. 38643	0. 275	0. 468	2. 31E-50	AC-G	GRINA
PRDX4. 1	1. 75E-54	0. 499301	0. 621	0. 532	2. 62E-50	AC-G	PRDX4
PARVB. 1	1. 79E-54	-0. 41917	0. 044	0. 187	2. 68E-50	AC-G	PARVB
PSMA2. 1	1. 96E-54	0. 572117	0. 14	0. 046	2. 93E-50	AC-G	PSMA2
CSK. 1	2. 29E-54	-0. 4176	0. 032	0. 17	3. 42E-50	AC-G	CSK
PTGER4. 1	2. 34E-54	-0. 54332	0. 018	0. 144	3. 50E-50	AC-G	PTGER4
TMSB15A. 1	2. 67E-54	-0. 46127	0. 056	0. 202	3. 99E-50	AC-G	TMSB15A
HNRNPU. 1	2. 75E-54	-0. 30368	0. 36	0. 563	4. 11E-50	AC-G	HNRNPU
ALDH1L1	3. 71E-54	0. 346195	0. 143	0. 048	5. 55E-50	AC-G	ALDH1L1
FAM50A. 1	3. 80E-54	-0. 36539	0. 216	0. 403	5. 68E-50	AC-G	FAM50A
UNC93B1. 1	3. 95E-54	-0. 49677	0. 075	0. 225	5. 90E-50	AC-G	UNC93B1
C4orf47	4. 09E-54	0. 243303	0. 086	0. 02	6. 12E-50	AC-G	C4orf47
LGMN. 1	5. 57E-54	-0. 48878	0. 201	0. 38	8. 32E-50	AC-G	LGMN
SNRPD2. 1	5. 74E-54	0. 354832	0. 763	0. 745	8. 58E-50	AC-G	SNRPD2
NCK2. 1	5. 75E-54	-0. 33273	0. 033	0. 17	8. 59E-50	AC-G	NCK2
ROGDI. 1	5. 83E-54	-0. 40964	0. 092	0. 253	8. 71E-50	AC-G	ROGDI
AXL. 1	6. 62E-54	-0. 57073	0. 06	0. 204	9. 89E-50	AC-G	AXL
NCOR2. 1	6. 86E-54	-0. 36373	0. 094	0. 257	1. 03E-49	AC-G	NCOR2
HNRNPA3	8. 10E-54	-0. 22542	0. 386	0. 587	1. 21E-49	AC-G	HNRNPA3
TAF10. 1	8. 44E-54	-0. 34297	0. 091	0. 252	1. 26E-49	AC-G	TAF10
PDE4B. 1	1. 45E-53	-0. 4097	0. 129	0. 305	2. 17E-49	AC-G	PDE4B
CLTA. 1	2. 05E-53	-0. 31936	0. 454	0. 662	3. 06E-49	AC-G	CLTA
CHMP2A. 1	2. 12E-53	0. 431198	0. 7	0. 646	3. 17E-49	AC-G	CHMP2A
C9orf142. 1	2. 13E-53	-0. 38837	0. 219	0. 406	3. 18E-49	AC-G	C9orf142
EVA1A	2. 29E-53	0. 15606	0. 055	0. 008	3. 42E-49	AC-G	EVA1A
SOX11. 1	2. 35E-53	-0. 49738	0. 134	0. 299	3. 51E-49	AC-G	SOX11
TSC22D3	2. 44E-53	-0. 36702	0. 297	0. 487	3. 65E-49	AC-G	TSC22D3
CYTH4. 1	3. 24E-53	-0. 46539	0. 01	0. 132	4. 84E-49	AC-G	CYTH4
TBL1XR1. 1	3. 68E-53	-0. 34727	0. 109	0. 275	5. 50E-49	AC-G	TBL1XR1
CCDC85B. 1	3. 87E-53	-0. 35221	0. 256	0. 444	5. 78E-49	AC-G	CCDC85B
GGA1. 1	4. 30E-53	-0. 36956	0. 143	0. 318	6. 43E-49	AC-G	GGA1
PON2. 1	5. 77E-53	0. 512247	0. 539	0. 433	8. 62E-49	AC-G	PON2
CYTH1. 1	5. 79E-53	-0. 43368	0. 042	0. 181	8. 66E-49	AC-G	CYTH1
FJX1. 1	6. 42E-53	-0. 37703	0. 074	0. 226	9. 59E-49	AC-G	FJX1
C9orf16. 1	7. 37E-53	-0. 24991	0. 409	0. 616	1. 10E-48	AC-G	C9orf16
SPAG4	8. 42E-53	0. 348524	0. 115	0. 034	1. 26E-48	AC-G	SPAG4
TGFBR1. 1	8. 71E-53	-0. 45002	0. 046	0. 184	1. 30E-48	AC-G	TGFBR1

BET1	1. 04E-52	0. 528959	0. 335	0. 199	1. 56E-48	AC-G	BET1
SHD. 1	1. 28E-52	-0. 4356	0. 02	0. 146	1. 91E-48	AC-G	SHD
PTGES	1. 34E-52	0. 243064	0. 064	0. 011	2. 00E-48	AC-G	PTGES
RTN4. 1	1. 39E-52	-0. 29682	0. 518	0. 735	2. 07E-48	AC-G	RTN4
FAM107A	1. 46E-52	0. 321761	0. 114	0. 034	2. 18E-48	AC-G	FAM107A
TTYH3. 1	1. 48E-52	-0. 33385	0. 106	0. 274	2. 20E-48	AC-G	TTYH3
CALM3. 1	1. 75E-52	-0. 28415	0. 429	0. 624	2. 62E-48	AC-G	CALM3
LYN. 1	2. 05E-52	-0. 45113	0. 056	0. 197	3. 07E-48	AC-G	LYN
PICALM. 1	2. 21E-52	-0. 42021	0. 142	0. 308	3. 30E-48	AC-G	PICALM
SDC4	2. 92E-52	0. 45883	0. 184	0. 079	4. 36E-48	AC-G	SDC4
HMHA1. 1	3. 21E-52	-0. 48853	0. 01	0. 128	4. 80E-48	AC-G	HMHA1
OGFRL1. 1	3. 77E-52	-0. 49179	0. 062	0. 205	5. 64E-48	AC-G	OGFRL1
SSH2. 1	3. 89E-52	-0. 41232	0. 055	0. 2	5. 82E-48	AC-G	SSH2
COL9A3. 1	4. 31E-52	-0. 43597	0. 063	0. 21	6. 44E-48	AC-G	COL9A3
KCNF1. 1	4. 78E-52	-0. 32072	0. 019	0. 144	7. 15E-48	AC-G	KCNF1
RBPJ. 1	5. 15E-52	-0. 34174	0. 308	0. 5	7. 69E-48	AC-G	RBPJ
COQ2. 1	5. 50E-52	-0. 39973	0. 059	0. 203	8. 21E-48	AC-G	COQ2
ABRACL. 1	5. 74E-52	-0. 33702	0. 157	0. 333	8. 58E-48	AC-G	ABRACL
NFKBID. 1	5. 83E-52	-0. 50915	0. 031	0. 162	8. 71E-48	AC-G	NFKBID
TSR3. 1	5. 90E-52	-0. 34261	0. 135	0. 303	8. 82E-48	AC-G	TSR3
TGFBR2. 1	7. 41E-52	-0. 3941	0. 015	0. 137	1. 11E-47	AC-G	TGFBR2
ELAVL4. 1	9. 01E-52	-0. 57314	0. 061	0. 201	1. 35E-47	AC-G	ELAVL4
COL6A1. 1	9. 29E-52	0. 494812	0. 342	0. 206	1. 39E-47	AC-G	COL6A1
SYK. 1	9. 78E-52	-0. 45405	0. 008	0. 125	1. 46E-47	AC-G	SYK
DEK. 1	1. 01E-51	-0. 35417	0. 311	0. 494	1. 51E-47	AC-G	DEK
BPTF. 1	1. 01E-51	-0. 35044	0. 166	0. 339	1. 51E-47	AC-G	BPTF
NCF2. 1	1. 06E-51	-0. 43449	0. 006	0. 12	1. 59E-47	AC-G	NCF2
SLC44A3	1. 07E-51	0. 335582	0. 084	0. 02	1. 61E-47	AC-G	SLC44A3
LYPLA1. 1	1. 09E-51	-0. 34433	0. 251	0. 437	1. 63E-47	AC-G	LYPLA1
LPAR5. 1	1. 13E-51	-0. 47768	0. 007	0. 122	1. 68E-47	AC-G	LPAR5
ARPC2	1. 18E-51	-0. 23367	0. 613	0. 805	1. 77E-47	AC-G	ARPC2
CORO7. 1	1. 19E-51	-0. 40334	0. 043	0. 18	1. 78E-47	AC-G	CORO7
OLIG2. 1	1. 30E-51	-0. 48456	0. 059	0. 202	1. 95E-47	AC-G	OLIG2
ARL1. 1	1. 49E-51	0. 490279	0. 425	0. 292	2. 22E-47	AC-G	ARL1
GALNT1. 1	1. 50E-51	-0. 32828	0. 077	0. 231	2. 24E-47	AC-G	GALNT1
ABHD17A. 1	1. 63E-51	-0. 34196	0. 101	0. 261	2. 43E-47	AC-G	ABHD17A
PPP1R10. 1	2. 33E-51	-0. 36383	0. 142	0. 316	3. 48E-47	AC-G	PPP1R10
COMMD7. 1	2. 42E-51	-0. 35492	0. 247	0. 429	3. 62E-47	AC-G	COMMD7
CXCR4	2. 65E-51	-0. 50078	0. 244	0. 417	3. 96E-47	AC-G	CXCR4
DCK. 1	3. 63E-51	-0. 42137	0. 128	0. 293	5. 42E-47	AC-G	DCK
RBM17. 1	4. 67E-51	-0. 35803	0. 216	0. 398	6. 97E-47	AC-G	RBM17
TIMP2. 1	5. 64E-51	-0. 3483	0. 169	0. 356	8. 42E-47	AC-G	TIMP2
FBP1. 1	5. 76E-51	-0. 48762	0. 017	0. 136	8. 60E-47	AC-G	FBP1
GNA13. 1	7. 27E-51	-0. 4343	0. 061	0. 203	1. 09E-46	AC-G	GNA13
CPNE2. 1	7. 45E-51	-0. 3242	0. 057	0. 201	1. 11E-46	AC-G	CPNE2
CD55. 1	8. 60E-51	-0. 49645	0. 017	0. 137	1. 29E-46	AC-G	CD55
VASH1. 1	9. 06E-51	-0. 39049	0. 025	0. 15	1. 35E-46	AC-G	VASH1
CCDC112. 1	9. 12E-51	-0. 35525	0. 122	0. 288	1. 36E-46	AC-G	CCDC112
SRPX. 1	1. 07E-50	0. 407599	0. 287	0. 155	1. 59E-46	AC-G	SRPX
SCAMP2. 1	1. 16E-50	-0. 36283	0. 221	0. 404	1. 74E-46	AC-G	SCAMP2
GNB2. 1	1. 17E-50	-0. 28834	0. 398	0. 603	1. 75E-46	AC-G	GNB2

LSP1. 1	1. 23E-50	-0. 63729	0. 053	0. 188	1. 84E-46	AC-G	LSP1
MARCH2. 1	1. 34E-50	-0. 33024	0. 099	0. 259	2. 00E-46	AC-G	2-Mar
CCDC3	1. 59E-50	0. 117817	0. 042	0. 004	2. 37E-46	AC-G	CCDC3
MED10. 1	1. 65E-50	0. 452021	0. 572	0. 466	2. 47E-46	AC-G	MED10
VMA21	1. 87E-50	-0. 38369	0. 192	0. 369	2. 79E-46	AC-G	VMA21
TMEM165. 1	1. 97E-50	-0. 35493	0. 3	0. 487	2. 94E-46	AC-G	TMEM165
UBALD2. 1	2. 23E-50	-0. 35829	0. 12	0. 287	3. 33E-46	AC-G	UBALD2
HNRNPM. 1	2. 27E-50	-0. 33041	0. 377	0. 576	3. 39E-46	AC-G	HNRNPM
UBXN1. 1	2. 89E-50	-0. 2832	0. 447	0. 654	4. 32E-46	AC-G	UBXN1
SERPINB1. 1	3. 39E-50	-0. 50495	0. 134	0. 292	5. 07E-46	AC-G	SERPINB1
PARP1. 1	3. 68E-50	-0. 35908	0. 313	0. 503	5. 50E-46	AC-G	PARP1
RCN2. 1	4. 06E-50	-0. 34829	0. 322	0. 495	6. 07E-46	AC-G	RCN2
SKA2	4. 68E-50	-0. 30239	0. 166	0. 334	7. 00E-46	AC-G	SKA2
GLRX5. 1	4. 76E-50	-0. 35574	0. 153	0. 324	7. 11E-46	AC-G	GLRX5
FN1	5. 65E-50	0. 49715	0. 258	0. 134	8. 45E-46	AC-G	FN1
HBEGF. 1	6. 12E-50	-0. 57716	0. 094	0. 239	9. 14E-46	AC-G	HBEGF
ARL9. 1	6. 45E-50	-0. 25112	0. 009	0. 123	9. 65E-46	AC-G	ARL9
CNP. 1	6. 91E-50	-0. 50531	0. 229	0. 406	1. 03E-45	AC-G	CNP
KDM6B. 1	8. 57E-50	-0. 46444	0. 098	0. 247	1. 28E-45	AC-G	KDM6B
TMEM38B	9. 09E-50	0. 506637	0. 269	0. 146	1. 36E-45	AC-G	TMEM38B
MAP2K2. 1	9. 87E-50	-0. 36548	0. 158	0. 33	1. 47E-45	AC-G	MAP2K2
PAK3. 1	1. 05E-49	-0. 38873	0. 035	0. 164	1. 57E-45	AC-G	PAK3
ARF4. 1	1. 21E-49	0. 369252	0. 671	0. 612	1. 81E-45	AC-G	ARF4
TRIP6. 1	1. 69E-49	0. 528387	0. 358	0. 228	2. 53E-45	AC-G	TRIP6
CMTM6. 1	2. 04E-49	-0. 36391	0. 273	0. 455	3. 04E-45	AC-G	CMTM6
Clorf54. 1	2. 12E-49	-0. 47465	0. 099	0. 25	3. 17E-45	AC-G	Clorf54
KIF1B. 1	2. 91E-49	-0. 31031	0. 15	0. 322	4. 35E-45	AC-G	KIF1B
MIDN. 1	3. 08E-49	-0. 34332	0. 26	0. 444	4. 60E-45	AC-G	MIDN
DPYSL5. 1	3. 53E-49	-0. 33801	0. 049	0. 185	5. 28E-45	AC-G	DPYSL5
MCM5. 1	3. 58E-49	-0. 38384	0. 04	0. 171	5. 35E-45	AC-G	MCM5
PGLS. 1	5. 48E-49	-0. 29935	0. 348	0. 542	8. 19E-45	AC-G	PGLS
KCNMA1	6. 03E-49	-0. 40734	0. 035	0. 164	9. 02E-45	AC-G	KCNMA1
PHACTR1. 1	6. 56E-49	-0. 54384	0. 019	0. 137	9. 81E-45	AC-G	PHACTR1
RASSF5. 1	8. 20E-49	-0. 43037	0. 02	0. 139	1. 23E-44	AC-G	RASSF5
ST6GAL1. 1	9. 12E-49	-0. 45509	0. 015	0. 129	1. 36E-44	AC-G	ST6GAL1
MYL9	9. 46E-49	0. 333207	0. 089	0. 023	1. 41E-44	AC-G	MYL9
ODC1. 1	1. 00E-48	-0. 37294	0. 253	0. 421	1. 50E-44	AC-G	ODC1
TAGAP. 1	1. 08E-48	-0. 49374	0. 008	0. 119	1. 61E-44	AC-G	TAGAP
TPGS1. 1	1. 24E-48	-0. 34223	0. 168	0. 337	1. 85E-44	AC-G	TPGS1
ID3. 1	1. 41E-48	0. 838019	0. 366	0. 245	2. 11E-44	AC-G	ID3
RP11-472N	1. 81E-48	-0. 33004	0. 012	0. 126	2. 70E-44	AC-G	RP11-472N13. 3
STX11. 1	1. 91E-48	-0. 50433	0. 018	0. 133	2. 86E-44	AC-G	STX11
DGKZ. 1	2. 00E-48	-0. 34303	0. 074	0. 219	2. 99E-44	AC-G	DGKZ
GAL3ST4. 1	2. 07E-48	-0. 51127	0. 058	0. 193	3. 09E-44	AC-G	GAL3ST4
SCN1A	2. 14E-48	0. 137969	0. 066	0. 013	3. 21E-44	AC-G	SCN1A
REEP4. 1	2. 41E-48	-0. 40985	0. 054	0. 189	3. 61E-44	AC-G	REEP4
ANXA11. 1	2. 85E-48	-0. 47226	0. 095	0. 239	4. 26E-44	AC-G	ANXA11
CX3CR1. 1	3. 45E-48	-0. 51992	0. 009	0. 119	5. 16E-44	AC-G	CX3CR1
CKB. 1	3. 60E-48	-0. 32003	0. 455	0. 607	5. 38E-44	AC-G	CKB
UQCR11. 1	3. 72E-48	0. 672715	0. 212	0. 096	5. 55E-44	AC-G	UQCR11
NFIX. 1	3. 73E-48	-0. 38147	0. 193	0. 36	5. 57E-44	AC-G	NFIX

TGOLN2.1	3.92E-48	-0.34685	0.221	0.402	5.87E-44	AC-G	TGOLN2
PAK2.1	4.16E-48	-0.35284	0.208	0.38	6.22E-44	AC-G	PAK2
FCGBP.1	4.85E-48	-0.7108	0.113	0.252	7.25E-44	AC-G	FCGBP
RBX1.1	5.39E-48	-0.21896	0.502	0.697	8.05E-44	AC-G	RBX1
LCP2.1	5.96E-48	-0.47535	0.018	0.134	8.91E-44	AC-G	LCP2
PPP1R14B.1	6.25E-48	-0.33892	0.202	0.372	9.35E-44	AC-G	PPP1R14B
RCAN1.1	6.98E-48	0.778126	0.366	0.249	1.04E-43	AC-G	RCAN1
SLC2A1.1	7.65E-48	0.468863	0.231	0.119	1.14E-43	AC-G	SLC2A1
WDR830S.1	9.10E-48	0.393345	0.773	0.738	1.36E-43	AC-G	WDR830S
ARHGAP4.1	9.50E-48	-0.4502	0.019	0.134	1.42E-43	AC-G	ARHGAP4
GNA15.1	1.01E-47	-0.44766	0.015	0.128	1.51E-43	AC-G	GNA15
SUSD3.1	1.24E-47	-0.47474	0.006	0.113	1.86E-43	AC-G	SUSD3
INSM1.1	1.42E-47	-0.31335	0.019	0.136	2.13E-43	AC-G	INSM1
MT1F.1	1.76E-47	0.50215	0.408	0.285	2.63E-43	AC-G	MT1F
HIVEP3.1	1.91E-47	-0.28609	0.043	0.174	2.85E-43	AC-G	HIVEP3
DOCK10.1	1.95E-47	-0.36338	0.026	0.145	2.92E-43	AC-G	DOCK10
CCL2	2.23E-47	0.877182	0.328	0.206	3.34E-43	AC-G	CCL2
PTRF.1	2.29E-47	0.4353	0.285	0.166	3.42E-43	AC-G	PTRF
FBLN5	2.30E-47	0.470254	0.098	0.028	3.43E-43	AC-G	FBLN5
TNFAIP8L2.1	2.37E-47	-0.4459	0.006	0.112	3.55E-43	AC-G	TNFAIP8L2
PRUNE2	2.42E-47	0.392251	0.212	0.098	3.61E-43	AC-G	PRUNE2
MAF1.1	2.72E-47	-0.32312	0.275	0.458	4.06E-43	AC-G	MAF1
TNRC6B.1	3.26E-47	-0.31242	0.199	0.382	4.87E-43	AC-G	TNRC6B
NUDT14.1	3.31E-47	-0.39025	0.073	0.215	4.95E-43	AC-G	NUDT14
C17orf89.1	3.77E-47	-0.33078	0.275	0.45	5.63E-43	AC-G	C17orf89
LZTFL1	3.78E-47	0.324659	0.152	0.06	5.65E-43	AC-G	LZTFL1
STEAP1	4.19E-47	0.284087	0.074	0.017	6.26E-43	AC-G	STEAP1
MYO9B.1	4.21E-47	-0.348	0.133	0.296	6.29E-43	AC-G	MYO9B
MYBPH	4.24E-47	0.193981	0.062	0.012	6.34E-43	AC-G	MYBPH
MICAL1.1	4.58E-47	-0.39097	0.037	0.161	6.85E-43	AC-G	MICAL1
PIK3IP1.1	5.85E-47	-0.49883	0.051	0.182	8.75E-43	AC-G	PIK3IP1
SEZ6.1	5.86E-47	-0.34718	0.034	0.159	8.76E-43	AC-G	SEZ6
CLTB.1	7.53E-47	-0.32193	0.289	0.47	1.12E-42	AC-G	CLTB
LILRB1.1	7.80E-47	-0.43917	0.005	0.108	1.17E-42	AC-G	LILRB1
CLEC5A.1	8.33E-47	-0.51705	0.01	0.117	1.24E-42	AC-G	CLEC5A
GGT5	8.89E-47	0.139533	0.056	0.01	1.33E-42	AC-G	GGT5
MFSD12.1	9.02E-47	-0.3102	0.072	0.215	1.35E-42	AC-G	MFSD12
FXVD6.1	9.94E-47	-0.39144	0.331	0.486	1.48E-42	AC-G	FXVD6
STK4.1	1.00E-46	-0.39174	0.149	0.313	1.49E-42	AC-G	STK4
CNDP2.1	1.02E-46	-0.29141	0.282	0.46	1.52E-42	AC-G	CNDP2
CDK6.1	1.05E-46	-0.33146	0.083	0.229	1.57E-42	AC-G	CDK6
TRIB3.1	1.06E-46	0.444697	0.148	0.06	1.58E-42	AC-G	TRIB3
ARHGAP30.1	1.13E-46	-0.42772	0.007	0.111	1.69E-42	AC-G	ARHGAP30
CLN8.1	1.41E-46	-0.41743	0.139	0.294	2.11E-42	AC-G	CLN8
SERPINA3.1	1.48E-46	0.222357	0.03	0.002	2.21E-42	AC-G	SERPINA3
CKMT2	1.48E-46	0.132098	0.032	0.002	2.21E-42	AC-G	CKMT2
SYNPO	1.81E-46	0.194544	0.066	0.014	2.71E-42	AC-G	SYNPO
PDK4.1	2.21E-46	-0.60348	0.062	0.19	3.30E-42	AC-G	PDK4
PLAUR.1	2.35E-46	-0.58017	0.251	0.389	3.51E-42	AC-G	PLAUR
IFNGR1.1	2.40E-46	-0.44492	0.31	0.462	3.59E-42	AC-G	IFNGR1
DYNLRB2	2.50E-46	0.172669	0.046	0.006	3.74E-42	AC-G	DYNLRB2

TPM3. 1	2. 59E-46	-0. 28813	0. 41	0. 587	3. 87E-42	AC-G	TPM3
IL1B. 1	2. 80E-46	-0. 63612	0. 107	0. 244	4. 19E-42	AC-G	IL1B
TRIM36. 1	3. 08E-46	-0. 30893	0. 066	0. 205	4. 60E-42	AC-G	TRIM36
ENC1. 1	3. 34E-46	-0. 36417	0. 1	0. 248	4. 99E-42	AC-G	ENC1
CDC42SE1. 3.	3. 37E-46	-0. 36606	0. 166	0. 331	5. 04E-42	AC-G	CDC42SE1
RP11-108M	3. 49E-46	-0. 4185	0. 012	0. 119	5. 22E-42	AC-G	RP11-108M. 4
GLA. 1	4. 44E-46	-0. 42228	0. 095	0. 239	6. 64E-42	AC-G	GLA
TMC6. 1	4. 78E-46	-0. 4323	0. 018	0. 129	7. 14E-42	AC-G	TMC6
DUSP2. 1	4. 80E-46	-0. 51867	0. 018	0. 128	7. 17E-42	AC-G	DUSP2
PALD1. 1	5. 03E-46	-0. 4424	0. 012	0. 119	7. 52E-42	AC-G	PALD1
SIGLEC9. 1	5. 22E-46	-0. 42043	0. 006	0. 11	7. 79E-42	AC-G	SIGLEC9
TMEM119. 1	5. 55E-46	-0. 51708	0. 014	0. 123	8. 29E-42	AC-G	TMEM119
ALCAM. 1	7. 29E-46	-0. 35406	0. 078	0. 219	1. 09E-41	AC-G	ALCAM
UBE2L3. 1	8. 28E-46	-0. 23209	0. 38	0. 565	1. 24E-41	AC-G	UBE2L3
EPB41L3. 1	8. 44E-46	-0. 43853	0. 014	0. 123	1. 26E-41	AC-G	EPB41L3
ELF1. 1	8. 90E-46	-0. 49294	0. 121	0. 268	1. 33E-41	AC-G	ELF1
EFNA1	1. 15E-45	0. 463052	0. 22	0. 111	1. 72E-41	AC-G	EFNA1
DEF6. 1	1. 20E-45	-0. 39135	0. 006	0. 108	1. 80E-41	AC-G	DEF6
HNRNPUL1. 1.	1. 39E-45	-0. 34435	0. 234	0. 413	2. 08E-41	AC-G	HNRNPUL1
NAV1. 1	1. 63E-45	-0. 30095	0. 053	0. 184	2. 44E-41	AC-G	NAV1
CTNNBIP1. 1.	1. 91E-45	-0. 30555	0. 094	0. 238	2. 85E-41	AC-G	CTNNBIP1
CKS2. 1	2. 24E-45	-0. 3968	0. 228	0. 393	3. 35E-41	AC-G	CKS2
ROCK1. 1	2. 29E-45	-0. 3527	0. 173	0. 335	3. 42E-41	AC-G	ROCK1
NDUFA7. 1	2. 32E-45	0. 455048	0. 103	0. 031	3. 46E-41	AC-G	NDUFA7
HSD17B11	2. 33E-45	-0. 4107	0. 238	0. 404	3. 49E-41	AC-G	HSD17B11
PPM1G. 1	2. 62E-45	-0. 31138	0. 276	0. 446	3. 92E-41	AC-G	PPM1G
RFFL. 1	2. 83E-45	-0. 29798	0. 056	0. 186	4. 23E-41	AC-G	RFFL
CHD9. 1	3. 28E-45	-0. 27935	0. 313	0. 497	4. 90E-41	AC-G	CHD9
TACC1. 1	3. 39E-45	-0. 34788	0. 178	0. 339	5. 07E-41	AC-G	TACC1
DOCK4. 1	3. 62E-45	-0. 42561	0. 055	0. 183	5. 41E-41	AC-G	DOCK4
HPGDS. 1	3. 64E-45	-0. 48731	0. 005	0. 105	5. 43E-41	AC-G	HPGDS
SPP1. 1	6. 75E-45	0. 356932	0. 856	0. 853	1. 01E-40	AC-G	SPP1
SCN9A	7. 69E-45	0. 248111	0. 089	0. 025	1. 15E-40	AC-G	SCN9A
FAM180A	9. 13E-45	0. 118609	0. 03	0. 002	1. 36E-40	AC-G	FAM180A
USP22. 1	9. 42E-45	-0. 28775	0. 179	0. 347	1. 41E-40	AC-G	USP22
BTK. 1	1. 02E-44	-0. 40056	0. 004	0. 102	1. 53E-40	AC-G	BTK
ACTA2. 1	1. 03E-44	0. 337416	0. 115	0. 039	1. 53E-40	AC-G	ACTA2
CTGF	1. 03E-44	0. 296981	0. 078	0. 02	1. 54E-40	AC-G	CTGF
ATRX. 1	1. 06E-44	-0. 30731	0. 294	0. 473	1. 59E-40	AC-G	ATRX
SORT1. 1	1. 09E-44	-0. 35118	0. 105	0. 254	1. 63E-40	AC-G	SORT1
NR4A1. 1	1. 10E-44	-0. 53177	0. 154	0. 296	1. 65E-40	AC-G	NR4A1
SEMA6D. 1	1. 12E-44	-0. 25739	0. 05	0. 178	1. 68E-40	AC-G	SEMA6D
FAM210B. 1	1. 15E-44	-0. 35251	0. 143	0. 295	1. 72E-40	AC-G	FAM210B
TNFSF12. 1	1. 17E-44	-0. 37963	0. 072	0. 208	1. 75E-40	AC-G	TNFSF12
SAP30. 1	1. 23E-44	-0. 33521	0. 115	0. 264	1. 83E-40	AC-G	SAP30
DPP7. 1	1. 25E-44	-0. 34589	0. 316	0. 496	1. 87E-40	AC-G	DPP7
RNPEPL1. 1	1. 29E-44	-0. 31256	0. 031	0. 149	1. 93E-40	AC-G	RNPEPL1
SLC25A19. 1.	1. 30E-44	-0. 44636	0. 06	0. 19	1. 94E-40	AC-G	SLC25A19
FAM181A	1. 32E-44	0. 476524	0. 135	0. 052	1. 97E-40	AC-G	FAM181A
NINJ2. 1	1. 68E-44	-0. 47468	0. 005	0. 103	2. 50E-40	AC-G	NINJ2
JOSD1. 1	1. 70E-44	-0. 35134	0. 051	0. 178	2. 54E-40	AC-G	JOSD1

P2RY13.1	1.90E-44	-0.50614	0.003	0.1	2.83E-40	AC-G	P2RY13
ACAP3.1	2.20E-44	-0.33664	0.096	0.239	3.29E-40	AC-G	ACAP3
CXADR.1	2.49E-44	-0.3332	0.172	0.334	3.72E-40	AC-G	CXADR
ETV1.1	2.63E-44	-0.33613	0.12	0.269	3.94E-40	AC-G	ETV1
RANBP1.1	3.28E-44	-0.28232	0.418	0.609	4.90E-40	AC-G	RANBP1
NUDT1.1	3.38E-44	-0.33085	0.21	0.378	5.05E-40	AC-G	NUDT1
HMGB2.1	4.02E-44	-0.37199	0.36	0.521	6.01E-40	AC-G	HMGB2
MAGI1.1	4.24E-44	-0.32275	0.079	0.22	6.34E-40	AC-G	MAGI1
HMOX1.1	4.26E-44	-0.49719	0.174	0.318	6.37E-40	AC-G	HMOX1
IL33	4.49E-44	0.295014	0.104	0.033	6.71E-40	AC-G	IL33
GRAMD1A.1	4.63E-44	-0.3413	0.145	0.3	6.92E-40	AC-G	GRAMD1A
NT5DC2.1	4.65E-44	-0.24551	0.054	0.186	6.94E-40	AC-G	NT5DC2
LRRC25.1	4.99E-44	-0.43115	0.008	0.109	7.46E-40	AC-G	LRRC25
PDGFRA.1	5.07E-44	-0.3541	0.045	0.168	7.57E-40	AC-G	PDGFRA
TAOK3.1	5.28E-44	-0.29885	0.239	0.415	7.89E-40	AC-G	TAOK3
RAC2.1	5.50E-44	-0.48159	0.026	0.137	8.22E-40	AC-G	RAC2
CXCL2	6.44E-44	0.48653	0.167	0.071	9.63E-40	AC-G	CXCL2
ARL8A.1	6.74E-44	-0.29573	0.14	0.298	1.01E-39	AC-G	ARL8A
ETS2.1	7.39E-44	-0.51609	0.096	0.229	1.10E-39	AC-G	ETS2
NOP10.1	7.74E-44	-0.24862	0.454	0.636	1.16E-39	AC-G	NOP10
CYB5R4.1	8.83E-44	-0.35998	0.066	0.198	1.32E-39	AC-G	CYB5R4
POU2F2.1	9.28E-44	-0.44013	0.037	0.154	1.39E-39	AC-G	POU2F2
ENHO.1	9.73E-44	-0.25325	0.045	0.171	1.45E-39	AC-G	ENHO
NUP214.1	9.90E-44	-0.49098	0.083	0.217	1.48E-39	AC-G	NUP214
CALU.1	9.97E-44	0.44729	0.488	0.387	1.49E-39	AC-G	CALU
ELAVL3.1	1.02E-43	-0.39148	0.18	0.336	1.52E-39	AC-G	ELAVL3
PTPN18.1	1.11E-43	-0.37968	0.094	0.233	1.66E-39	AC-G	PTPN18
CYTIP.1	1.70E-43	-0.51974	0.016	0.121	2.54E-39	AC-G	CYTIP
SH3BP5.1	1.78E-43	-0.32506	0.084	0.224	2.67E-39	AC-G	SH3BP5
DENND3.1	2.75E-43	-0.43456	0.014	0.117	4.11E-39	AC-G	DENND3
PCSK1N.1	2.86E-43	-0.37742	0.282	0.447	4.27E-39	AC-G	PCSK1N
EIF3F.1	3.30E-43	-0.27686	0.448	0.636	4.93E-39	AC-G	EIF3F
ENOSF1.1	3.40E-43	-0.24216	0.029	0.143	5.09E-39	AC-G	ENOSF1
ROM1	3.56E-43	0.514775	0.196	0.097	5.32E-39	AC-G	ROM1
MORN5	3.59E-43	0.123511	0.043	0.006	5.36E-39	AC-G	MORN5
RNF213.1	3.88E-43	-0.33509	0.133	0.286	5.79E-39	AC-G	RNF213
PRKCA	3.88E-43	-0.2881	0.083	0.221	5.80E-39	AC-G	PRKCA
C12orf57.1	4.01E-43	0.447662	0.617	0.521	5.99E-39	AC-G	C12orf57
EMC10.1	4.12E-43	-0.28887	0.298	0.48	6.16E-39	AC-G	EMC10
LYL1.1	5.02E-43	-0.38289	0.003	0.097	7.50E-39	AC-G	LYL1
CEBPB.1	5.62E-43	-0.28975	0.275	0.466	8.39E-39	AC-G	CEBPB
C22orf39.1	5.74E-43	-0.31798	0.133	0.284	8.58E-39	AC-G	C22orf39
DLX6-AS1.1	6.06E-43	-0.67605	0.036	0.148	9.06E-39	AC-G	DLX6-AS1
TANC2.1	6.74E-43	-0.26847	0.075	0.211	1.01E-38	AC-G	TANC2
RERE.1	7.53E-43	-0.27314	0.091	0.234	1.13E-38	AC-G	RERE
MKNK1.1	8.50E-43	-0.44498	0.064	0.191	1.27E-38	AC-G	MKNK1
ABL2.1	9.02E-43	-0.38005	0.141	0.293	1.35E-38	AC-G	ABL2
RBFOX2.1	1.15E-42	-0.33293	0.098	0.239	1.72E-38	AC-G	RBFOX2
POLD2.1	1.57E-42	0.48657	0.509	0.404	2.35E-38	AC-G	POLD2
ADPGK.1	1.68E-42	-0.37132	0.136	0.286	2.51E-38	AC-G	ADPGK
TCIRG1.1	1.75E-42	-0.43337	0.032	0.144	2.62E-38	AC-G	TCIRG1

PGP.1	1.95E-42	-0.31106	0.1	0.242	2.92E-38	AC-G	PGP
PPP1R3C	2.23E-42	0.226831	0.072	0.018	3.33E-38	AC-G	PPP1R3C
RAMP3	2.28E-42	0.246995	0.072	0.017	3.40E-38	AC-G	RAMP3
CCRL2.1	2.47E-42	-0.43414	0.008	0.105	3.69E-38	AC-G	CCRL2
TMEM51.1	2.76E-42	-0.34122	0.027	0.137	4.13E-38	AC-G	TMEM51
CLN6.1	2.77E-42	-0.31481	0.034	0.148	4.14E-38	AC-G	CLN6
ARHGAP15.	3.00E-42	-0.4524	0.013	0.113	4.48E-38	AC-G	ARHGAP15
CNIH2.1	3.31E-42	-0.2434	0.034	0.148	4.94E-38	AC-G	CNIH2
CTSK.1	4.38E-42	0.297827	0.111	0.038	6.55E-38	AC-G	CTSK
NDUFA5	4.40E-42	0.364521	0.649	0.563	6.58E-38	AC-G	NDUFA5
SLC10A4.1	4.41E-42	-0.20457	0.013	0.113	6.58E-38	AC-G	SLC10A4
DLX5.1	4.41E-42	-0.59576	0.046	0.163	6.60E-38	AC-G	DLX5
STMN4.1	4.79E-42	-0.54913	0.186	0.329	7.16E-38	AC-G	STMN4
ARL4C.1	6.04E-42	-0.32208	0.237	0.406	9.03E-38	AC-G	ARL4C
MERTK.1	6.69E-42	-0.45903	0.032	0.142	1.00E-37	AC-G	MERTK
CFL1	7.88E-42	0.249257	0.908	0.958	1.18E-37	AC-G	CFL1
SEC14L1.1	9.03E-42	-0.26605	0.159	0.317	1.35E-37	AC-G	SEC14L1
POU3F2.1	9.46E-42	-0.33014	0.102	0.238	1.41E-37	AC-G	POU3F2
DAD1.1	1.07E-41	0.328061	0.746	0.716	1.60E-37	AC-G	DAD1
PTOV1.1	1.15E-41	-0.29489	0.304	0.465	1.72E-37	AC-G	PTOV1
C19orf60.	1.17E-41	-0.26732	0.346	0.533	1.75E-37	AC-G	C19orf60
SIGIRR.1	1.54E-41	-0.3491	0.085	0.218	2.30E-37	AC-G	SIGIRR
GTF3A.1	1.55E-41	-0.2743	0.35	0.535	2.31E-37	AC-G	GTF3A
RIN3.1	1.56E-41	-0.39856	0.026	0.133	2.33E-37	AC-G	RIN3
CCNH.1	1.60E-41	-0.34374	0.272	0.439	2.39E-37	AC-G	CCNH
SIRPA.1	1.65E-41	-0.38334	0.125	0.266	2.47E-37	AC-G	SIRPA
DDAH2.1	1.99E-41	-0.21335	0.336	0.519	2.97E-37	AC-G	DDAH2
TTC9B.1	2.20E-41	-0.41517	0.029	0.138	3.28E-37	AC-G	TTC9B
SH3BGRL	2.41E-41	-0.16617	0.476	0.682	3.60E-37	AC-G	SH3BGRL
NT5C.1	2.45E-41	-0.3217	0.187	0.346	3.66E-37	AC-G	NT5C
H2AFY2.1	2.74E-41	-0.21452	0.018	0.121	4.10E-37	AC-G	H2AFY2
LEPROTL1.	2.86E-41	-0.27841	0.247	0.415	4.27E-37	AC-G	LEPROTL1
PAQR4.1	3.17E-41	-0.32344	0.06	0.184	4.74E-37	AC-G	PAQR4
MFSD2A.1	3.35E-41	0.388897	0.177	0.083	5.01E-37	AC-G	MFSD2A
PNRC1.1	3.49E-41	-0.25821	0.372	0.573	5.22E-37	AC-G	PNRC1
NLRP3.1	3.62E-41	-0.42412	0.008	0.103	5.42E-37	AC-G	NLRP3
EVA1B.1	3.89E-41	-0.22402	0.031	0.141	5.82E-37	AC-G	EVA1B
ZFHX3.1	4.42E-41	-0.34024	0.083	0.217	6.60E-37	AC-G	ZFHX3
ACTR1A.1	4.60E-41	-0.28578	0.15	0.303	6.88E-37	AC-G	ACTR1A
SH2B3.1	4.68E-41	-0.39409	0.022	0.125	6.99E-37	AC-G	SH2B3
CD151.1	4.96E-41	0.509715	0.566	0.466	7.41E-37	AC-G	CD151
GNAS.1	5.28E-41	-0.23309	0.518	0.672	7.90E-37	AC-G	GNAS
SLC25A11.	5.41E-41	-0.24093	0.274	0.448	8.09E-37	AC-G	SLC25A11
PACRG	6.43E-41	0.323607	0.088	0.027	9.61E-37	AC-G	PACRG
KLF13.1	6.44E-41	-0.31031	0.033	0.143	9.62E-37	AC-G	KLF13
NAIP.1	6.48E-41	-0.35865	0.021	0.125	9.68E-37	AC-G	NAIP
RASGEF1B.	7.63E-41	-0.47043	0.031	0.138	1.14E-36	AC-G	RASGEF1B
PEBP1.1	8.34E-41	0.273492	0.801	0.804	1.25E-36	AC-G	PEBP1
MXRA8	8.82E-41	0.243373	0.086	0.025	1.32E-36	AC-G	MXRA8
POLR2I.1	9.21E-41	0.404108	0.624	0.539	1.38E-36	AC-G	POLR2I
PTP4A1.1	1.13E-40	-0.28847	0.261	0.435	1.69E-36	AC-G	PTP4A1

H2AFV. 1	1. 27E-40	-0. 26111	0. 381	0. 55	1. 89E-36	AC-G	H2AFV
PLBD1. 1	1. 35E-40	-0. 36945	0. 013	0. 11	2. 02E-36	AC-G	PLBD1
RCN1. 1	1. 57E-40	0. 372787	0. 434	0. 338	2. 34E-36	AC-G	RCN1
EPC1. 1	1. 73E-40	-0. 3238	0. 163	0. 316	2. 58E-36	AC-G	EPC1
DUSP1. 1	1. 73E-40	-0. 29938	0. 417	0. 605	2. 58E-36	AC-G	DUSP1
TMEM206. 1	1. 83E-40	-0. 31339	0. 113	0. 254	2. 74E-36	AC-G	TMEM206
FRMD3	1. 91E-40	0. 304836	0. 118	0. 043	2. 86E-36	AC-G	FRMD3
EMP2	1. 97E-40	0. 443419	0. 19	0. 092	2. 95E-36	AC-G	EMP2
CAPZB	2. 13E-40	-0. 1805	0. 551	0. 731	3. 19E-36	AC-G	CAPZB
TUBA4A	2. 32E-40	0. 19246	0. 117	0. 042	3. 47E-36	AC-G	TUBA4A
CD48. 1	2. 43E-40	-0. 42585	0. 004	0. 093	3. 63E-36	AC-G	CD48
B3GNT5. 1	2. 43E-40	-0. 37764	0. 045	0. 16	3. 64E-36	AC-G	B3GNT5
ASAH1. 1	2. 62E-40	-0. 2324	0. 498	0. 681	3. 92E-36	AC-G	ASAH1
HEXA	2. 73E-40	-0. 25175	0. 249	0. 417	4. 07E-36	AC-G	HEXA
MSRB2. 1	3. 11E-40	-0. 33766	0. 134	0. 278	4. 65E-36	AC-G	MSRB2
CDO1. 1	3. 13E-40	0. 516966	0. 334	0. 215	4. 68E-36	AC-G	CDO1
CHD1. 1	3. 32E-40	-0. 33422	0. 168	0. 317	4. 96E-36	AC-G	CHD1
TXN2. 1	3. 43E-40	-0. 25975	0. 289	0. 462	5. 13E-36	AC-G	TXN2
ZNHIT1	3. 45E-40	0. 344992	0. 691	0. 644	5. 16E-36	AC-G	ZNHIT1
IL10. 1	3. 68E-40	-0. 51816	0. 021	0. 123	5. 50E-36	AC-G	IL10
IGFBP7-AS	4. 01E-40	0. 251025	0. 076	0. 02	5. 99E-36	AC-G	IGFBP7-AS1
ARHGAP9. 1	4. 39E-40	-0. 36491	0. 008	0. 101	6. 56E-36	AC-G	ARHGAP9
C1RL	4. 77E-40	0. 303995	0. 12	0. 044	7. 13E-36	AC-G	C1RL
RAB31. 1	4. 86E-40	-0. 26026	0. 309	0. 489	7. 26E-36	AC-G	RAB31
MAPK1. 1	4. 86E-40	-0. 299	0. 122	0. 266	7. 26E-36	AC-G	MAPK1
NCOA4. 1	5. 45E-40	-0. 33094	0. 139	0. 287	8. 15E-36	AC-G	NCOA4
FKBP10. 1	5. 83E-40	0. 472365	0. 304	0. 194	8. 72E-36	AC-G	FKBP10
SSBP4. 1	6. 72E-40	-0. 29249	0. 146	0. 294	1. 00E-35	AC-G	SSBP4
ABI1. 1	6. 80E-40	-0. 3228	0. 12	0. 264	1. 02E-35	AC-G	ABI1
AC114803. 1	7. 04E-40	0. 162657	0. 037	0. 004	1. 05E-35	AC-G	AC114803. 3
RTCB. 1	7. 34E-40	-0. 31391	0. 199	0. 36	1. 10E-35	AC-G	RTCB
TUBB6	7. 56E-40	0. 55935	0. 274	0. 166	1. 13E-35	AC-G	TUBB6
ARID4A	7. 66E-40	-0. 30736	0. 15	0. 299	1. 15E-35	AC-G	ARID4A
PADI2. 1	8. 44E-40	-0. 47013	0. 042	0. 153	1. 26E-35	AC-G	PADI2
TUBB4A. 1	8. 83E-40	-0. 49279	0. 03	0. 135	1. 32E-35	AC-G	TUBB4A
CCL4L2. 1	8. 95E-40	-0. 61393	0. 009	0. 101	1. 34E-35	AC-G	CCL4L2
SLC8A1. 1	1. 03E-39	-0. 33196	0. 048	0. 164	1. 54E-35	AC-G	SLC8A1
CXorf21. 1	1. 18E-39	-0. 40661	0. 003	0. 09	1. 76E-35	AC-G	CXorf21
FGR. 1	1. 25E-39	-0. 38157	0. 007	0. 098	1. 86E-35	AC-G	FGR
F13A1	1. 27E-39	0. 625391	0. 254	0. 14	1. 91E-35	AC-G	F13A1
ABCG1. 1	1. 29E-39	-0. 39867	0. 04	0. 149	1. 93E-35	AC-G	ABCG1
DSE. 1	1. 40E-39	-0. 42947	0. 045	0. 156	2. 09E-35	AC-G	DSE
TMEM132B. 1	1. 40E-39	-0. 2126	0. 018	0. 118	2. 09E-35	AC-G	TMEM132B
PABPN1. 1	1. 46E-39	-0. 20952	0. 213	0. 383	2. 18E-35	AC-G	PABPN1
MACF1	1. 51E-39	-0. 27766	0. 192	0. 347	2. 26E-35	AC-G	MACF1
SCAND1. 1	1. 56E-39	-0. 26781	0. 436	0. 597	2. 33E-35	AC-G	SCAND1
TMPO. 1	1. 65E-39	-0. 3404	0. 086	0. 215	2. 46E-35	AC-G	TMPO
LITAF. 1	1. 66E-39	-0. 36517	0. 336	0. 483	2. 47E-35	AC-G	LITAF
MBNL1. 1	1. 79E-39	-0. 34696	0. 11	0. 246	2. 67E-35	AC-G	MBNL1
FNIP2. 1	1. 79E-39	-0. 3927	0. 087	0. 217	2. 68E-35	AC-G	FNIP2
PCBP4. 1	1. 84E-39	-0. 31704	0. 136	0. 279	2. 75E-35	AC-G	PCBP4



WHSC1L1.1	2.02E-39	-0.32383	0.241	0.398	3.02E-35	AC-G	WHSC1L1
RNF166.1	2.08E-39	-0.39785	0.082	0.205	3.11E-35	AC-G	RNF166
MGAT1.1	2.19E-39	-0.4051	0.234	0.382	3.28E-35	AC-G	MGAT1
CAPG.1	2.25E-39	-0.38653	0.304	0.436	3.36E-35	AC-G	CAPG
CLDN10	2.61E-39	0.596202	0.115	0.043	3.90E-35	AC-G	CLDN10
RBM25.1	2.70E-39	-0.2628	0.296	0.468	4.04E-35	AC-G	RBM25
SLC25A39	2.75E-39	-0.30379	0.268	0.432	4.12E-35	AC-G	SLC25A39
MEF2A.1	2.82E-39	-0.38568	0.104	0.237	4.21E-35	AC-G	MEF2A
SSR3.1	2.83E-39	0.458432	0.587	0.514	4.24E-35	AC-G	SSR3
ST14.1	2.89E-39	-0.34023	0.002	0.087	4.32E-35	AC-G	ST14
VAV1.1	3.00E-39	-0.34542	0.002	0.088	4.49E-35	AC-G	VAV1
PDCD5.1	3.22E-39	0.437573	0.601	0.527	4.81E-35	AC-G	PDCD5
SMDT1	3.43E-39	-0.16277	0.404	0.589	5.13E-35	AC-G	SMDT1
GTF2I.1	3.93E-39	-0.30606	0.292	0.453	5.87E-35	AC-G	GTF2I
BMP2K	4.51E-39	-0.33609	0.029	0.134	6.74E-35	AC-G	BMP2K
CUX1.1	5.33E-39	-0.26018	0.12	0.264	7.97E-35	AC-G	CUX1
MUM1.1	5.39E-39	-0.23445	0.227	0.39	8.06E-35	AC-G	MUM1
TFDP1.1	6.11E-39	-0.28286	0.084	0.212	9.14E-35	AC-G	TFDP1
UBE2R2.1	6.36E-39	-0.32024	0.164	0.31	9.50E-35	AC-G	UBE2R2
PTGDS	6.42E-39	0.469603	0.271	0.15	9.60E-35	AC-G	PTGDS
LGR4.1	6.67E-39	-0.18207	0.019	0.118	9.97E-35	AC-G	LGR4
SMCO4.1	7.09E-39	-0.403	0.041	0.15	1.06E-34	AC-G	SMCO4
IQCA1	7.12E-39	0.140142	0.045	0.007	1.06E-34	AC-G	IQCA1
PTPN1.1	7.20E-39	-0.3025	0.115	0.255	1.08E-34	AC-G	PTPN1
TLR2.1	7.94E-39	-0.44409	0.026	0.128	1.19E-34	AC-G	TLR2
FEZ2.1	8.39E-39	-0.29061	0.302	0.477	1.25E-34	AC-G	FEZ2
GRK6.1	8.93E-39	-0.26522	0.042	0.153	1.33E-34	AC-G	GRK6
ANP32B.1	9.25E-39	-0.29469	0.313	0.476	1.38E-34	AC-G	ANP32B
MZT2B.1	1.04E-38	-0.25231	0.455	0.62	1.55E-34	AC-G	MZT2B
DNM2.1	1.11E-38	-0.2885	0.123	0.266	1.67E-34	AC-G	DNM2
FAM114A1.1	1.33E-38	0.329435	0.194	0.096	1.98E-34	AC-G	FAM114A1
MXD4.1	1.49E-38	-0.30447	0.082	0.209	2.23E-34	AC-G	MXD4
IL17RA.1	1.76E-38	-0.35199	0.032	0.136	2.63E-34	AC-G	IL17RA
IL1R1	1.82E-38	0.177493	0.052	0.01	2.72E-34	AC-G	IL1R1
WSCD1.1	1.83E-38	-0.24394	0.038	0.149	2.73E-34	AC-G	WSCD1
CLASP2.1	1.87E-38	-0.35863	0.09	0.218	2.80E-34	AC-G	CLASP2
DOCK2.1	1.91E-38	-0.35871	0.005	0.091	2.85E-34	AC-G	DOCK2
SCARB2.1	2.10E-38	-0.31068	0.246	0.408	3.14E-34	AC-G	SCARB2
PFKFB3.1	2.10E-38	-0.40029	0.13	0.266	3.14E-34	AC-G	PFKFB3
SAP18	2.49E-38	0.285949	0.764	0.767	3.72E-34	AC-G	SAP18
FAM183A	2.91E-38	0.126006	0.028	0.002	4.34E-34	AC-G	FAM183A
GPCPD1.1	3.28E-38	-0.27986	0.09	0.219	4.90E-34	AC-G	GPCPD1
CORO1C.1	3.36E-38	-0.2217	0.238	0.399	5.03E-34	AC-G	CORO1C
CDKN1C.1	3.36E-38	-0.35592	0.028	0.13	5.03E-34	AC-G	CDKN1C
STX6.1	3.45E-38	-0.32431	0.09	0.218	5.15E-34	AC-G	STX6
ACTN1.1	3.66E-38	0.464172	0.346	0.237	5.47E-34	AC-G	ACTN1
PPP2R5C	3.77E-38	-0.25886	0.134	0.281	5.63E-34	AC-G	PPP2R5C
TLN1.1	4.02E-38	-0.3429	0.164	0.308	6.01E-34	AC-G	TLN1
ITGAM.1	4.24E-38	-0.35691	0.004	0.09	6.34E-34	AC-G	ITGAM
C19orf53.	4.29E-38	0.389193	0.722	0.676	6.42E-34	AC-G	C19orf53
NCOR1.1	4.57E-38	-0.29649	0.335	0.489	6.84E-34	AC-G	NCOR1

RPS6KL1.1	4.95E-38	-0.26886	0.019	0.116	7.39E-34	AC-G	RPS6KL1
PIK3R1.1	5.34E-38	-0.36189	0.187	0.331	7.98E-34	AC-G	PIK3R1
SEP15.1	6.92E-38	0.333687	0.694	0.649	1.03E-33	AC-G	15-Sep
UROS.1	7.19E-38	-0.2995	0.133	0.275	1.07E-33	AC-G	UROS
LILRA2.1	7.36E-38	-0.40327	0.009	0.098	1.10E-33	AC-G	LILRA2
SNF8.1	7.43E-38	-0.25543	0.319	0.487	1.11E-33	AC-G	SNF8
GPS1.1	7.46E-38	-0.24194	0.194	0.349	1.11E-33	AC-G	GPS1
TSPAN5.1	7.73E-38	-0.33911	0.149	0.284	1.16E-33	AC-G	TSPAN5
NAA10.1	7.95E-38	-0.25415	0.286	0.453	1.19E-33	AC-G	NAA10
SUN2.1	8.10E-38	-0.3827	0.109	0.24	1.21E-33	AC-G	SUN2
MARCH9.1	8.44E-38	-0.32191	0.056	0.173	1.26E-33	AC-G	9-Mar
LHX2.1	8.45E-38	-0.24937	0.04	0.147	1.26E-33	AC-G	LHX2
LMNB1.1	9.20E-38	-0.32639	0.055	0.168	1.37E-33	AC-G	LMNB1
ECI1.1	1.04E-37	-0.27908	0.102	0.235	1.55E-33	AC-G	ECI1
DNMT1.1	1.09E-37	-0.26561	0.161	0.31	1.62E-33	AC-G	DNMT1
C17orf62	1.23E-37	-0.1895	0.235	0.394	1.84E-33	AC-G	C17orf62
NXPH1.1	1.26E-37	-0.28558	0.044	0.154	1.89E-33	AC-G	NXPH1
BRD7.1	1.35E-37	-0.29082	0.136	0.277	2.01E-33	AC-G	BRD7
PLEC.1	1.58E-37	-0.3096	0.082	0.207	2.37E-33	AC-G	PLEC
DLX1.1	1.63E-37	-0.37118	0.03	0.131	2.43E-33	AC-G	DLX1
SELPLG.1	1.75E-37	-0.4566	0.034	0.138	2.62E-33	AC-G	SELPLG
HLA-DQB2.	1.84E-37	-0.61531	0.019	0.112	2.75E-33	AC-G	HLA-DQB2
OTUD1.1	1.86E-37	-0.39322	0.019	0.113	2.78E-33	AC-G	OTUD1
CHN2.1	1.87E-37	-0.31724	0.018	0.113	2.80E-33	AC-G	CHN2
OGFR.1	2.02E-37	-0.2622	0.161	0.311	3.02E-33	AC-G	OGFR
PRDM1.1	2.07E-37	-0.40137	0.02	0.115	3.10E-33	AC-G	PRDM1
ZNF704.1	2.12E-37	-0.25094	0.035	0.14	3.17E-33	AC-G	ZNF704
AGPAT2.1	2.16E-37	-0.31752	0.076	0.199	3.22E-33	AC-G	AGPAT2
SHARPIN.1	2.20E-37	-0.29354	0.177	0.326	3.29E-33	AC-G	SHARPIN
MIR4458HG	2.26E-37	0.351488	0.258	0.141	3.37E-33	AC-G	MIR4458HG
ATXN10	2.36E-37	-0.23234	0.281	0.448	3.53E-33	AC-G	ATXN10
SEPT7.1	2.80E-37	0.290673	0.724	0.699	4.18E-33	AC-G	7-Sep
NPTXR.1	3.66E-37	-0.203	0.037	0.145	5.46E-33	AC-G	NPTXR
CDCA7.1	3.67E-37	-0.27027	0.035	0.14	5.49E-33	AC-G	CDCA7
USP53.1	3.92E-37	-0.48306	0.051	0.159	5.86E-33	AC-G	USP53
BRD3.1	3.99E-37	-0.30431	0.156	0.298	5.96E-33	AC-G	BRD3
SH3TC1.1	4.05E-37	-0.37776	0.008	0.094	6.05E-33	AC-G	SH3TC1
TOP2B.1	4.63E-37	-0.25901	0.121	0.26	6.91E-33	AC-G	TOP2B
EPN1.1	5.02E-37	-0.2896	0.208	0.359	7.50E-33	AC-G	EPN1
EBPL.1	5.11E-37	-0.31401	0.179	0.326	7.64E-33	AC-G	EBPL
ITGB1	5.27E-37	-0.25365	0.259	0.41	7.87E-33	AC-G	ITGB1
ORAI1.1	5.41E-37	-0.23958	0.037	0.142	8.09E-33	AC-G	ORAI1
TMC01.1	5.87E-37	0.379825	0.629	0.565	8.78E-33	AC-G	TMC01
KIAA0930.	5.93E-37	-0.33746	0.052	0.163	8.86E-33	AC-G	KIAA0930
VASP.1	6.04E-37	-0.35073	0.129	0.261	9.03E-33	AC-G	VASP
S100A11.1	6.21E-37	0.440494	0.691	0.651	9.28E-33	AC-G	S100A11
TMSB15B.1	6.27E-37	-0.30892	0.08	0.201	9.37E-33	AC-G	TMSB15B
DGCR6L.1	6.69E-37	-0.24294	0.203	0.361	9.99E-33	AC-G	DGCR6L
HSPB6	7.08E-37	0.249005	0.122	0.048	1.06E-32	AC-G	HSPB6
MAP3K7CL	7.30E-37	0.27109	0.095	0.032	1.09E-32	AC-G	MAP3K7CL
OSBPL8.1	7.79E-37	-0.25347	0.183	0.336	1.16E-32	AC-G	OSBPL8

OGFOD3.1	8.32E-37	-0.25113	0.109	0.243	1.24E-32	AC-G	OGFOD3
EIF3A.1	8.60E-37	-0.28863	0.206	0.357	1.28E-32	AC-G	EIF3A
SPCS3.1	8.77E-37	-0.27489	0.199	0.35	1.31E-32	AC-G	SPCS3
RP11-195F	8.98E-37	0.329059	0.164	0.076	1.34E-32	AC-G	RP11-195F19.5
NASP.1	1.01E-36	-0.29296	0.276	0.435	1.51E-32	AC-G	NASP
MUC12	1.06E-36	0.322612	0.095	0.032	1.59E-32	AC-G	MUC12
LY96.1	1.08E-36	-0.40434	0.118	0.243	1.61E-32	AC-G	LY96
GDF15.1	1.13E-36	0.440148	0.135	0.057	1.68E-32	AC-G	GDF15
CPNE4	1.19E-36	-0.15132	0.016	0.108	1.77E-32	AC-G	CPNE4
ZNF511.1	1.24E-36	-0.27649	0.09	0.216	1.85E-32	AC-G	ZNF511
TRIB2.1	1.33E-36	-0.27078	0.146	0.285	1.99E-32	AC-G	TRIB2
HOOK3.1	1.37E-36	-0.27878	0.161	0.307	2.04E-32	AC-G	HOOK3
PHIP.1	1.98E-36	-0.27804	0.203	0.357	2.96E-32	AC-G	PHIP
CPXM1.1	2.01E-36	-0.19845	0.036	0.141	3.00E-32	AC-G	CPXM1
HGSNAT.1	2.09E-36	-0.30164	0.1	0.227	3.13E-32	AC-G	HGSNAT
GFPT2	2.13E-36	0.269409	0.11	0.041	3.18E-32	AC-G	GFPT2
TBC1D22A	2.24E-36	-0.3057	0.037	0.139	3.35E-32	AC-G	TBC1D22A
TMED9.1	2.27E-36	0.308562	0.7	0.687	3.39E-32	AC-G	TMED9
CCDC181	2.29E-36	0.309465	0.148	0.066	3.43E-32	AC-G	CCDC181
SRGAP3.1	2.34E-36	-0.30486	0.053	0.163	3.50E-32	AC-G	SRGAP3
PHLDA1.1	2.35E-36	-0.28902	0.27	0.42	3.51E-32	AC-G	PHLDA1
DNAJC5.1	2.69E-36	-0.28949	0.103	0.233	4.02E-32	AC-G	DNAJC5
AP001055	2.69E-36	-0.39104	0.009	0.094	4.03E-32	AC-G	AP001055.6
SHKBP1.1	2.82E-36	-0.28617	0.123	0.259	4.21E-32	AC-G	SHKBP1
COPS8.1	2.90E-36	0.406253	0.541	0.456	4.33E-32	AC-G	COPS8
OAZ1	3.10E-36	0.182449	0.876	0.936	4.63E-32	AC-G	OAZ1
RAC3.1	3.35E-36	-0.24579	0.081	0.203	5.01E-32	AC-G	RAC3
ME2	3.91E-36	-0.32006	0.116	0.245	5.84E-32	AC-G	ME2
EBI3.1	3.95E-36	-0.39861	0.019	0.111	5.90E-32	AC-G	EBI3
BIRC5.1	4.19E-36	-0.39614	0.025	0.12	6.26E-32	AC-G	BIRC5
ASIC4.1	4.20E-36	-0.42215	0.05	0.157	6.27E-32	AC-G	ASIC4
NIN.1	4.25E-36	-0.25642	0.04	0.145	6.35E-32	AC-G	NIN
NDUFS5.1	4.45E-36	0.245592	0.789	0.815	6.65E-32	AC-G	NDUFS5
TOMM22.1	4.51E-36	-0.20725	0.331	0.496	6.75E-32	AC-G	TOMM22
PROX1.1	4.65E-36	-0.26748	0.066	0.183	6.95E-32	AC-G	PROX1
MCF2L.1	4.90E-36	-0.29151	0.019	0.111	7.32E-32	AC-G	MCF2L
GSN	5.02E-36	-0.30921	0.391	0.533	7.50E-32	AC-G	GSN
SASH3.1	5.23E-36	-0.34934	0.008	0.092	7.82E-32	AC-G	SASH3
BAX.1	5.37E-36	-0.22623	0.416	0.595	8.02E-32	AC-G	BAX
TFDP2	6.59E-36	-0.3064	0.106	0.233	9.85E-32	AC-G	TFDP2
MIAT.1	6.68E-36	-0.31258	0.069	0.187	9.98E-32	AC-G	MIAT
SSBP2.1	7.37E-36	0.541847	0.358	0.253	1.10E-31	AC-G	SSBP2
ANXA5.1	7.56E-36	0.287479	0.753	0.721	1.13E-31	AC-G	ANXA5
SIGLEC8.1	7.72E-36	-0.39048	0.008	0.091	1.15E-31	AC-G	SIGLEC8
SPAG9.1	7.86E-36	-0.28394	0.228	0.377	1.17E-31	AC-G	SPAG9
MGST2.1	7.97E-36	-0.29159	0.139	0.276	1.19E-31	AC-G	MGST2
NFIB.1	8.04E-36	-0.39509	0.263	0.4	1.20E-31	AC-G	NFIB
FGFBP2	8.48E-36	0.14459	0.036	0.005	1.27E-31	AC-G	FGFBP2
ATP6V1B2	9.15E-36	-0.2914	0.279	0.434	1.37E-31	AC-G	ATP6V1B2
GLCCI1.1	9.22E-36	-0.32603	0.058	0.169	1.38E-31	AC-G	GLCCI1
PSD3.1	9.97E-36	-0.22462	0.089	0.215	1.49E-31	AC-G	PSD3

PMAIP1.1	1.03E-35	-0.44136	0.011	0.097	1.54E-31	AC-G	PMAIP1
YWHAZ	1.05E-35	-0.18945	0.397	0.562	1.57E-31	AC-G	YWHAZ
MOB1A.1	1.06E-35	-0.29211	0.216	0.364	1.59E-31	AC-G	MOB1A
KYNU.1	1.06E-35	-0.38357	0.012	0.098	1.59E-31	AC-G	KYNU
HNRNPA0.1	1.14E-35	-0.22667	0.491	0.671	1.70E-31	AC-G	HNRNPA0
PHACTR2.1	1.17E-35	-0.20897	0.011	0.097	1.75E-31	AC-G	PHACTR2
PKN1.1	1.24E-35	-0.26738	0.129	0.265	1.85E-31	AC-G	PKN1
COLGALT1.1	1.26E-35	-0.32509	0.09	0.212	1.88E-31	AC-G	COLGALT1
WAC.1	1.28E-35	-0.27418	0.147	0.286	1.91E-31	AC-G	WAC
PAFAH1B3.1	1.32E-35	-0.26559	0.294	0.449	1.98E-31	AC-G	PAFAH1B3
ARHGAP12.1	1.39E-35	-0.28493	0.087	0.209	2.07E-31	AC-G	ARHGAP12
DTD1.1	1.40E-35	-0.27285	0.263	0.416	2.10E-31	AC-G	DTD1
SURF1.1	1.61E-35	-0.26641	0.223	0.377	2.41E-31	AC-G	SURF1
KLHL35	1.66E-35	-0.35549	0.018	0.109	2.48E-31	AC-G	KLHL35
ATP2B1.1	1.78E-35	-0.28096	0.229	0.378	2.66E-31	AC-G	ATP2B1
CDKN2A.1	1.79E-35	-0.35353	0.023	0.118	2.68E-31	AC-G	CDKN2A
KDM1A	2.01E-35	-0.24311	0.097	0.224	3.00E-31	AC-G	KDM1A
SCIMP.1	2.10E-35	-0.37115	0.011	0.097	3.14E-31	AC-G	SCIMP
IMMP2L	2.30E-35	0.393891	0.228	0.128	3.44E-31	AC-G	IMMP2L
RHOB.1	2.51E-35	-0.23765	0.438	0.642	3.75E-31	AC-G	RHOB
PAG1.1	2.55E-35	-0.3388	0.073	0.188	3.80E-31	AC-G	PAG1
CAMK1D.1	2.63E-35	-0.27921	0.03	0.127	3.94E-31	AC-G	CAMK1D
HNRNPA1L2	2.67E-35	-0.30248	0.097	0.221	3.99E-31	AC-G	HNRNPA1L2
KDM2B	2.75E-35	-0.25888	0.046	0.152	4.10E-31	AC-G	KDM2B
KIAA0101.2	2.77E-35	-0.37126	0.034	0.134	4.13E-31	AC-G	KIAA0101
MESDC1.1	2.77E-35	-0.26401	0.039	0.14	4.14E-31	AC-G	MESDC1
SLC39A8.1	2.78E-35	0.206806	0.119	0.047	4.15E-31	AC-G	SLC39A8
RANBP2.1	2.98E-35	-0.31358	0.104	0.229	4.46E-31	AC-G	RANBP2
THBD.1	2.99E-35	-0.39615	0.019	0.109	4.47E-31	AC-G	THBD
GRIA2.1	3.17E-35	-0.29013	0.106	0.232	4.74E-31	AC-G	GRIA2
HPCAL1.1	3.25E-35	-0.32414	0.106	0.23	4.86E-31	AC-G	HPCAL1
AK4.1	3.49E-35	0.426776	0.262	0.163	5.21E-31	AC-G	AK4
DDX3Y.1	3.97E-35	-0.22413	0.014	0.101	5.94E-31	AC-G	DDX3Y
COMT.1	4.06E-35	-0.17838	0.409	0.574	6.06E-31	AC-G	COMT
GDI2.1	4.20E-35	-0.26559	0.352	0.515	6.28E-31	AC-G	GDI2
RP11-92G1	4.31E-35	0.175045	0.041	0.007	6.44E-31	AC-G	RP11-92G12.3
LINC01003	4.40E-35	-0.27236	0.09	0.212	6.58E-31	AC-G	LINC01003
IKZF1.1	4.40E-35	-0.32399	0.001	0.077	6.58E-31	AC-G	IKZF1
DRAXIN.1	4.73E-35	-0.22218	0.057	0.171	7.07E-31	AC-G	DRAXIN
DAB2.1	4.96E-35	-0.49054	0.062	0.167	7.41E-31	AC-G	DAB2
RNF149.1	5.25E-35	-0.47302	0.17	0.29	7.85E-31	AC-G	RNF149
NBPF1.1	6.10E-35	-0.25995	0.125	0.257	9.11E-31	AC-G	NBPF1
BLNK.1	6.35E-35	-0.38025	0.003	0.08	9.48E-31	AC-G	BLNK
SH3BP1.1	6.78E-35	-0.32263	0.031	0.128	1.01E-30	AC-G	SH3BP1
CACNA2D4.6	6.78E-35	-0.36059	0.006	0.087	1.01E-30	AC-G	CACNA2D4
COMMD3.1	8.04E-35	-0.24459	0.224	0.38	1.20E-30	AC-G	COMMD3
ATP6VOD1.8	8.26E-35	-0.20215	0.364	0.539	1.23E-30	AC-G	ATP6VOD1
MDK.1	8.45E-35	0.560776	0.583	0.473	1.26E-30	AC-G	MDK
TFPI	8.74E-35	0.181783	0.111	0.042	1.31E-30	AC-G	TFPI
CTXN1.1	9.12E-35	-0.22373	0.065	0.178	1.36E-30	AC-G	CTXN1
OSMR	9.23E-35	0.332233	0.151	0.072	1.38E-30	AC-G	OSMR

SIGLEC7.1	1.08E-34	-0.33908	0.007	0.087	1.61E-30	AC-G	SIGLEC7
NAGK	1.13E-34	-0.27027	0.252	0.406	1.68E-30	AC-G	NAGK
CDK2AP1.1	1.13E-34	-0.20407	0.025	0.119	1.69E-30	AC-G	CDK2AP1
STUB1.1	1.14E-34	-0.25575	0.325	0.487	1.70E-30	AC-G	STUB1
GJB2	1.19E-34	0.37504	0.103	0.039	1.78E-30	AC-G	GJB2
NPAS3.1	1.20E-34	-0.22801	0.065	0.177	1.80E-30	AC-G	NPAS3
IFI16.1	1.26E-34	0.430877	0.489	0.375	1.88E-30	AC-G	IFI16
EIF3D.1	1.38E-34	-0.25714	0.339	0.503	2.06E-30	AC-G	EIF3D
CASC4.1	1.38E-34	-0.2489	0.115	0.245	2.06E-30	AC-G	CASC4
PTPRU	1.39E-34	0.163508	0.04	0.007	2.07E-30	AC-G	PTPRU
RAB34	1.41E-34	-0.2108	0.158	0.307	2.11E-30	AC-G	RAB34
GLDN.1	1.42E-34	-0.31351	0.021	0.112	2.12E-30	AC-G	GLDN
ATP1A3.1	1.50E-34	-0.35881	0.038	0.137	2.25E-30	AC-G	ATP1A3
AKAP7.1	1.60E-34	-0.22459	0.091	0.215	2.39E-30	AC-G	AKAP7
GOLIM4.1	1.77E-34	-0.24628	0.201	0.351	2.64E-30	AC-G	GOLIM4
IRAK3.1	1.81E-34	-0.33848	0.007	0.087	2.70E-30	AC-G	IRAK3
ARID1A.1	1.86E-34	-0.26545	0.131	0.263	2.78E-30	AC-G	ARID1A
SLC12A9.1	1.94E-34	-0.33379	0.1	0.221	2.90E-30	AC-G	SLC12A9
SOGA1.1	2.01E-34	-0.24177	0.061	0.173	3.00E-30	AC-G	SOGA1
TIMP3	2.02E-34	0.355824	0.203	0.11	3.02E-30	AC-G	TIMP3
MAFB.1	2.12E-34	-0.3635	0.203	0.336	3.16E-30	AC-G	MAFB
CERK.1	2.21E-34	-0.25211	0.028	0.123	3.31E-30	AC-G	CERK
CCNG2.1	2.51E-34	-0.3177	0.084	0.2	3.76E-30	AC-G	CCNG2
CAMP	2.54E-34	0.204019	0.021	0.001	3.79E-30	AC-G	CAMP
FRYL.1	2.69E-34	-0.26289	0.087	0.207	4.02E-30	AC-G	FRYL
GIMAP1.1	2.78E-34	-0.33933	0.007	0.086	4.15E-30	AC-G	GIMAP1
LACTB.1	3.00E-34	-0.30595	0.072	0.184	4.49E-30	AC-G	LACTB
CD74	3.14E-34	0.335501	0.805	0.741	4.70E-30	AC-G	CD74
HOMER1.1	3.27E-34	-0.21859	0.064	0.175	4.88E-30	AC-G	HOMER1
COLGALT2.3	3.31E-34	-0.20645	0.049	0.156	4.95E-30	AC-G	COLGALT2
MMP24-AS1	3.45E-34	-0.28572	0.195	0.334	5.16E-30	AC-G	MMP24-AS1
CMTM3.1	3.61E-34	-0.27875	0.202	0.347	5.40E-30	AC-G	CMTM3
NAAA.1	3.70E-34	-0.3335	0.048	0.15	5.52E-30	AC-G	NAAA
SLC39A3.1	3.84E-34	-0.27575	0.218	0.361	5.74E-30	AC-G	SLC39A3
SMARCC1.1	3.88E-34	-0.26183	0.143	0.276	5.80E-30	AC-G	SMARCC1
APLP1.1	3.92E-34	-0.42574	0.237	0.374	5.86E-30	AC-G	APLP1
STAC3.1	4.01E-34	-0.30407	0.01	0.092	5.99E-30	AC-G	STAC3
PPIC	4.52E-34	0.583641	0.266	0.167	6.75E-30	AC-G	PPIC
DYNC1I1.1	4.81E-34	-0.36382	0.028	0.119	7.19E-30	AC-G	DYNC1I1
PTPRS.1	4.94E-34	-0.22528	0.144	0.28	7.38E-30	AC-G	PTPRS
HAGH.1	4.98E-34	-0.25228	0.225	0.378	7.44E-30	AC-G	HAGH
IMPDH2.1	5.25E-34	0.406835	0.492	0.402	7.85E-30	AC-G	IMPDH2
LINC01088	5.27E-34	0.176746	0.031	0.004	7.88E-30	AC-G	LINC01088
FAM49A	5.44E-34	-0.31435	0.075	0.189	8.13E-30	AC-G	FAM49A
SACS.1	6.11E-34	-0.21633	0.062	0.173	9.14E-30	AC-G	SACS
DUT.1	6.39E-34	-0.25711	0.325	0.48	9.55E-30	AC-G	DUT
CHD4.1	6.77E-34	-0.22367	0.199	0.346	1.01E-29	AC-G	CHD4
SLC35B2	7.26E-34	-0.26352	0.183	0.323	1.08E-29	AC-G	SLC35B2
GRHPR.1	8.19E-34	-0.28068	0.265	0.417	1.22E-29	AC-G	GRHPR
DYNC1H1.1	8.69E-34	-0.24966	0.212	0.362	1.30E-29	AC-G	DYNC1H1
MAP3K1.1	9.26E-34	-0.21676	0.022	0.112	1.38E-29	AC-G	MAP3K1

GSTM5	1. 01E-33	0. 168535	0. 036	0. 005	1. 51E-29	AC-G	GSTM5
AFF4. 1	1. 04E-33	-0. 29815	0. 219	0. 364	1. 56E-29	AC-G	AFF4
EMB. 1	1. 05E-33	-0. 33892	0. 008	0. 088	1. 57E-29	AC-G	EMB
MAML2	1. 08E-33	-0. 21171	0. 095	0. 218	1. 62E-29	AC-G	MAML2
CD300C. 1	1. 12E-33	-0. 31377	0. 004	0. 08	1. 68E-29	AC-G	CD300C
RTF1. 1	1. 13E-33	-0. 24107	0. 297	0. 456	1. 69E-29	AC-G	RTF1
YPEL3. 1	1. 18E-33	-0. 3077	0. 135	0. 266	1. 76E-29	AC-G	YPEL3
DUS1L. 1	1. 20E-33	-0. 18867	0. 046	0. 149	1. 80E-29	AC-G	DUS1L
ITGAX. 1	1. 21E-33	-0. 38664	0. 018	0. 105	1. 80E-29	AC-G	ITGAX
PDCD2. 1	1. 30E-33	-0. 28343	0. 178	0. 317	1. 94E-29	AC-G	PDCD2
F8A1. 1	1. 31E-33	-0. 24589	0. 052	0. 157	1. 95E-29	AC-G	F8A1
CBX1. 1	1. 32E-33	-0. 24677	0. 243	0. 391	1. 97E-29	AC-G	CBX1
KIF2A. 1	1. 35E-33	-0. 25601	0. 127	0. 256	2. 02E-29	AC-G	KIF2A
RP11-479J	1. 47E-33	0. 236472	0. 048	0. 01	2. 19E-29	AC-G	RP11-479J7. 2
IL6	1. 48E-33	0. 294665	0. 089	0. 031	2. 21E-29	AC-G	IL6
TSPAN15	1. 52E-33	-0. 34567	0. 01	0. 091	2. 27E-29	AC-G	TSPAN15
EML4. 1	1. 58E-33	-0. 25992	0. 09	0. 21	2. 36E-29	AC-G	EML4
ARHGDI A. 1	1. 63E-33	-0. 20435	0. 43	0. 591	2. 43E-29	AC-G	ARHGDI A
MIF4GD. 1	1. 66E-33	-0. 27596	0. 139	0. 274	2. 48E-29	AC-G	MIF4GD
LOXL2	1. 78E-33	0. 219801	0. 076	0. 024	2. 66E-29	AC-G	LOXL2
GALC	1. 82E-33	-0. 2095	0. 025	0. 117	2. 72E-29	AC-G	GALC
KLHL5. 1	2. 17E-33	-0. 27957	0. 075	0. 188	3. 24E-29	AC-G	KLHL5
PPP1CA	2. 52E-33	-0. 16486	0. 433	0. 598	3. 76E-29	AC-G	PPP1CA
KIF21A. 1	2. 59E-33	-0. 3309	0. 191	0. 324	3. 87E-29	AC-G	KIF21A
ACER3. 1	2. 62E-33	-0. 29656	0. 089	0. 204	3. 92E-29	AC-G	ACER3
TUBGCP2. 1	2. 86E-33	-0. 25252	0. 108	0. 233	4. 28E-29	AC-G	TUBGCP2
ROBO2. 1	2. 99E-33	-0. 1926	0. 029	0. 123	4. 47E-29	AC-G	ROBO2
GNPTAB. 1	3. 24E-33	-0. 29132	0. 065	0. 174	4. 84E-29	AC-G	GNPTAB
RNASEH2B. 3	2. 8E-33	-0. 3149	0. 132	0. 259	4. 90E-29	AC-G	RNASEH2B
TAOK1. 1	3. 71E-33	-0. 26471	0. 148	0. 281	5. 55E-29	AC-G	TAOK1
CARD8	4. 42E-33	-0. 31558	0. 06	0. 166	6. 61E-29	AC-G	CARD8
NEBL	5. 36E-33	0. 106822	0. 052	0. 012	8. 01E-29	AC-G	NEBL
UCHL1	5. 55E-33	0. 404831	0. 534	0. 417	8. 30E-29	AC-G	UCHL1
GPR82. 1	5. 58E-33	-0. 31393	0. 05	0. 151	8. 34E-29	AC-G	GPR82
AKR1A1	5. 66E-33	-0. 25657	0. 363	0. 524	8. 46E-29	AC-G	AKR1A1
BBOX1. 1	5. 67E-33	0. 675089	0. 211	0. 123	8. 47E-29	AC-G	BBOX1
SLC25A1. 1	5. 69E-33	-0. 25461	0. 094	0. 214	8. 50E-29	AC-G	SLC25A1
RCC2. 1	5. 83E-33	-0. 28216	0. 079	0. 193	8. 71E-29	AC-G	RCC2
APOL2	6. 13E-33	0. 557217	0. 171	0. 085	9. 16E-29	AC-G	APOL2
ZSWIM6. 1	6. 16E-33	-0. 24901	0. 045	0. 145	9. 21E-29	AC-G	ZSWIM6
BMPR2. 1	6. 42E-33	-0. 24143	0. 081	0. 196	9. 59E-29	AC-G	BMPR2
ACIN1. 1	6. 48E-33	-0. 2315	0. 15	0. 287	9. 68E-29	AC-G	ACIN1
HMG N3. 1	7. 71E-33	-0. 16165	0. 462	0. 638	1. 15E-28	AC-G	HMG N3
HRH1	7. 81E-33	0. 398207	0. 164	0. 083	1. 17E-28	AC-G	HRH1
CNBP. 1	7. 94E-33	0. 279044	0. 751	0. 748	1. 19E-28	AC-G	CNBP
WIPF3. 1	8. 46E-33	-0. 26272	0. 02	0. 106	1. 26E-28	AC-G	WIPF3
JKAMP. 1	8. 51E-33	-0. 21317	0. 18	0. 323	1. 27E-28	AC-G	JKAMP
P2RX4. 1	8. 56E-33	-0. 34252	0. 083	0. 195	1. 28E-28	AC-G	P2RX4
KCNMB1. 1	8. 76E-33	-0. 37004	0. 027	0. 117	1. 31E-28	AC-G	KCNMB1
PMP2. 1	9. 53E-33	0. 579568	0. 434	0. 334	1. 42E-28	AC-G	PMP2
RP11-390F	1. 01E-32	-0. 20748	0. 047	0. 15	1. 50E-28	AC-G	RP11-390P2. 4

ZWINT. 1	1. 06E-32	-0. 29721	0. 021	0. 107	1. 58E-28	AC-G	ZWINT
SATB1. 1	1. 23E-32	-0. 28969	0. 047	0. 146	1. 85E-28	AC-G	SATB1
OAS1. 1	1. 26E-32	-0. 42507	0. 05	0. 148	1. 88E-28	AC-G	OAS1
CMYA5	1. 33E-32	0. 148647	0. 072	0. 021	1. 99E-28	AC-G	CMYA5
CCR1. 1	1. 38E-32	-0. 3573	0. 014	0. 095	2. 06E-28	AC-G	CCR1
SERP1. 1	1. 38E-32	-0. 22287	0. 451	0. 633	2. 06E-28	AC-G	SERP1
SMIM3. 1	1. 38E-32	0. 420099	0. 082	0. 027	2. 07E-28	AC-G	SMIM3
ATAT1. 1	1. 43E-32	-0. 27046	0. 179	0. 31	2. 13E-28	AC-G	ATAT1
ITPK1	1. 43E-32	-0. 25307	0. 053	0. 155	2. 14E-28	AC-G	ITPK1
ARHGEF6. 1	1. 63E-32	-0. 20949	0. 054	0. 159	2. 43E-28	AC-G	ARHGEF6
GAPT. 1	1. 74E-32	-0. 31742	0. 001	0. 071	2. 60E-28	AC-G	GAPT
BTBD3. 1	1. 80E-32	-0. 17395	0. 051	0. 154	2. 68E-28	AC-G	BTBD3
TUBA1A	1. 89E-32	0. 340913	0. 859	0. 798	2. 82E-28	AC-G	TUBA1A
CLTC. 1	1. 92E-32	-0. 26099	0. 229	0. 372	2. 87E-28	AC-G	CLTC
PLEKH02. 1	2. 03E-32	-0. 32108	0. 028	0. 117	3. 03E-28	AC-G	PLEKH02
MORF4L2	2. 17E-32	0. 258315	0. 655	0. 619	3. 25E-28	AC-G	MORF4L2
USMG5. 1	2. 39E-32	-0. 16635	0. 476	0. 648	3. 57E-28	AC-G	USMG5
CAPRIN1. 1	2. 41E-32	-0. 25952	0. 203	0. 343	3. 60E-28	AC-G	CAPRIN1
STX7. 1	2. 70E-32	-0. 31092	0. 159	0. 289	4. 04E-28	AC-G	STX7
TWF2. 1	2. 74E-32	-0. 24489	0. 222	0. 364	4. 09E-28	AC-G	TWF2
CCND2. 1	2. 75E-32	-0. 32367	0. 213	0. 349	4. 11E-28	AC-G	CCND2
VPS51. 1	3. 00E-32	-0. 26595	0. 153	0. 285	4. 48E-28	AC-G	VPS51
CYTL1. 1	3. 38E-32	-0. 4528	0. 034	0. 125	5. 05E-28	AC-G	CYTL1
SETD5. 1	3. 44E-32	-0. 25481	0. 172	0. 311	5. 13E-28	AC-G	SETD5
NIPBL. 1	3. 58E-32	-0. 26366	0. 131	0. 26	5. 36E-28	AC-G	NIPBL
TMEM259. 1	3. 66E-32	-0. 22944	0. 208	0. 36	5. 48E-28	AC-G	TMEM259
HP1BP3. 1	3. 77E-32	-0. 2319	0. 316	0. 466	5. 63E-28	AC-G	HP1BP3
RNASE1. 1	4. 11E-32	-0. 64296	0. 082	0. 186	6. 14E-28	AC-G	RNASE1
DDIT4. 1	4. 12E-32	-0. 33713	0. 286	0. 433	6. 15E-28	AC-G	DDIT4
PAPPA2	4. 21E-32	0. 115995	0. 03	0. 004	6. 29E-28	AC-G	PAPPA2
ANKRD11. 1	5. 55E-32	-0. 25241	0. 195	0. 34	8. 29E-28	AC-G	ANKRD11
SPECC1. 1	6. 05E-32	-0. 19643	0. 182	0. 318	9. 03E-28	AC-G	SPECC1
UBE3A. 1	6. 14E-32	-0. 2392	0. 172	0. 309	9. 18E-28	AC-G	UBE3A
PIK3AP1. 1	6. 39E-32	-0. 27574	0. 004	0. 076	9. 54E-28	AC-G	PIK3AP1
NDUFA13	6. 85E-32	0. 365367	0. 769	0. 773	1. 02E-27	AC-G	NDUFA13
UNC119. 1	6. 88E-32	-0. 24985	0. 114	0. 237	1. 03E-27	AC-G	UNC119
SELENBP1	6. 94E-32	0. 160217	0. 053	0. 013	1. 04E-27	AC-G	SELENBP1
GNG11	7. 09E-32	0. 254966	0. 084	0. 028	1. 06E-27	AC-G	GNG11
C1QTNF1	7. 17E-32	0. 187864	0. 073	0. 022	1. 07E-27	AC-G	C1QTNF1
SLC12A5. 1	7. 84E-32	-0. 33349	0. 022	0. 106	1. 17E-27	AC-G	SLC12A5
KLF4. 1	8. 15E-32	-0. 45901	0. 115	0. 224	1. 22E-27	AC-G	KLF4
MMP16	8. 54E-32	-0. 20021	0. 028	0. 118	1. 28E-27	AC-G	MMP16
SNAP29. 1	8. 88E-32	-0. 25713	0. 12	0. 245	1. 33E-27	AC-G	SNAP29
GMIP. 1	9. 05E-32	-0. 2636	0. 01	0. 086	1. 35E-27	AC-G	GMIP
ZNF821. 1	9. 50E-32	-0. 24209	0. 072	0. 181	1. 42E-27	AC-G	ZNF821
NRROS	9. 58E-32	-0. 32887	0. 006	0. 08	1. 43E-27	AC-G	NRROS
CDK1. 1	9. 63E-32	-0. 34951	0. 025	0. 11	1. 44E-27	AC-G	CDK1
SKAP2	1. 00E-31	-0. 35509	0. 168	0. 29	1. 50E-27	AC-G	SKAP2
ACSL3. 1	1. 01E-31	-0. 28332	0. 225	0. 364	1. 50E-27	AC-G	ACSL3
AIF1L. 1	1. 18E-31	-0. 33754	0. 036	0. 128	1. 76E-27	AC-G	AIF1L
HDAC2. 1	1. 28E-31	-0. 27207	0. 325	0. 472	1. 91E-27	AC-G	HDAC2

PTPRA. 1	1. 36E-31	-0. 27965	0. 243	0. 376	2. 03E-27	AC-G	PTPRA
COX4I1. 1	1. 41E-31	0. 238062	0. 861	0. 92	2. 10E-27	AC-G	COX4I1
IER3IP1. 1	1. 42E-31	0. 345134	0. 086	0. 029	2. 12E-27	AC-G	IER3IP1
MAML1. 1	1. 43E-31	-0. 30051	0. 039	0. 132	2. 13E-27	AC-G	MAML1
AREG. 1	1. 54E-31	-0. 46148	0. 005	0. 077	2. 30E-27	AC-G	AREG
ATP6VOB. 1	1. 58E-31	-0. 16677	0. 659	0. 825	2. 35E-27	AC-G	ATP6VOB
ST3GAL6. 1	1. 63E-31	-0. 35766	0. 036	0. 126	2. 43E-27	AC-G	ST3GAL6
IL4R. 1	1. 65E-31	-0. 30892	0. 008	0. 083	2. 47E-27	AC-G	IL4R
HLA-DPB1. 1	1. 68E-31	-0. 34985	0. 413	0. 51	2. 51E-27	AC-G	HLA-DPB1
RAB13. 1	1. 71E-31	0. 537095	0. 449	0. 357	2. 56E-27	AC-G	RAB13
AC004540. 1	1. 74E-31	-0. 28105	0. 043	0. 138	2. 61E-27	AC-G	AC004540. 4
CELF5. 1	1. 87E-31	-0. 29081	0. 021	0. 104	2. 79E-27	AC-G	CELF5
EIF4A3. 1	1. 87E-31	-0. 26348	0. 32	0. 475	2. 80E-27	AC-G	EIF4A3
ZNF414. 1	1. 89E-31	-0. 21572	0. 089	0. 204	2. 82E-27	AC-G	ZNF414
FGFBP3. 1	1. 89E-31	-0. 19959	0. 027	0. 114	2. 82E-27	AC-G	FGFBP3
THSD7A. 1	1. 90E-31	-0. 39432	0. 06	0. 159	2. 84E-27	AC-G	THSD7A
LRRTM2. 1	1. 97E-31	-0. 18287	0. 028	0. 117	2. 94E-27	AC-G	LRRTM2
MYO5A. 1	2. 01E-31	-0. 2034	0. 034	0. 127	3. 00E-27	AC-G	MYO5A
MSRB3	2. 11E-31	0. 14463	0. 046	0. 01	3. 16E-27	AC-G	MSRB3
FBX07. 1	2. 23E-31	-0. 2672	0. 193	0. 332	3. 33E-27	AC-G	FBX07
FAM107B. 1	2. 24E-31	-0. 38159	0. 044	0. 137	3. 35E-27	AC-G	FAM107B
PLAC8	2. 28E-31	-0. 36277	0. 007	0. 08	3. 41E-27	AC-G	PLAC8
CLSTN1. 1	2. 29E-31	-0. 14945	0. 165	0. 305	3. 43E-27	AC-G	CLSTN1
CDC34. 1	2. 45E-31	-0. 23348	0. 127	0. 256	3. 66E-27	AC-G	CDC34
C1orf61. 1	2. 49E-31	0. 341317	0. 606	0. 521	3. 73E-27	AC-G	C1orf61
TPPP3. 1	2. 50E-31	0. 334187	0. 233	0. 138	3. 73E-27	AC-G	TPPP3
EWSR1	2. 56E-31	-0. 18491	0. 332	0. 49	3. 82E-27	AC-G	EWSR1
TMEM59. 1	2. 61E-31	0. 258305	0. 764	0. 79	3. 90E-27	AC-G	TMEM59
RAPGEF1	2. 78E-31	-0. 27939	0. 039	0. 132	4. 16E-27	AC-G	RAPGEF1
FNBP1L. 1	2. 81E-31	-0. 27387	0. 091	0. 203	4. 20E-27	AC-G	FNBP1L
CACUL1. 1	2. 97E-31	-0. 30688	0. 109	0. 225	4. 43E-27	AC-G	CACUL1
PDGFRL	3. 00E-31	0. 134011	0. 038	0. 007	4. 48E-27	AC-G	PDGFRL
GDPD2	3. 09E-31	0. 223992	0. 075	0. 025	4. 61E-27	AC-G	GDPD2
SPCS1. 1	3. 19E-31	0. 293445	0. 728	0. 738	4. 77E-27	AC-G	SPCS1
DEF8. 1	3. 20E-31	-0. 23557	0. 157	0. 292	4. 79E-27	AC-G	DEF8
PQLC1. 1	3. 23E-31	-0. 23214	0. 051	0. 15	4. 83E-27	AC-G	PQLC1
UBE2C. 1	3. 27E-31	-0. 40395	0. 039	0. 132	4. 88E-27	AC-G	UBE2C
LDHB	3. 32E-31	0. 267729	0. 768	0. 781	4. 96E-27	AC-G	LDHB
ENO2. 1	3. 32E-31	0. 403525	0. 366	0. 268	4. 97E-27	AC-G	ENO2
PRKX. 1	3. 36E-31	-0. 28154	0. 036	0. 126	5. 02E-27	AC-G	PRKX
GDE1. 1	3. 37E-31	-0. 26232	0. 185	0. 321	5. 04E-27	AC-G	GDE1
RABEP1. 1	3. 44E-31	-0. 2589	0. 146	0. 274	5. 13E-27	AC-G	RABEP1
MPND. 1	3. 70E-31	-0. 16619	0. 021	0. 104	5. 53E-27	AC-G	MPND
RRP36. 1	3. 86E-31	-0. 18792	0. 059	0. 162	5. 76E-27	AC-G	RRP36
APC2. 1	3. 94E-31	-0. 21249	0. 06	0. 165	5. 89E-27	AC-G	APC2
PNMA1. 1	4. 14E-31	-0. 24548	0. 173	0. 305	6. 19E-27	AC-G	PNMA1
TBC1D12. 1	4. 33E-31	-0. 2837	0. 033	0. 122	6. 48E-27	AC-G	TBC1D12
VTI1B. 1	4. 52E-31	-0. 21479	0. 226	0. 37	6. 76E-27	AC-G	VTI1B
ADCK2. 1	4. 57E-31	-0. 26224	0. 056	0. 156	6. 84E-27	AC-G	ADCK2
KLF2. 1	4. 68E-31	-0. 43681	0. 052	0. 147	7. 00E-27	AC-G	KLF2
NBL1. 1	4. 71E-31	-0. 29872	0. 086	0. 196	7. 04E-27	AC-G	NBL1



CENPU.1	4.77E-31	-0.30067	0.031	0.119	7.12E-27	AC-G	CENPU
ZBTB7A	4.83E-31	-0.24354	0.084	0.197	7.22E-27	AC-G	ZBTB7A
NIM1K.1	5.55E-31	0.270649	0.122	0.053	8.29E-27	AC-G	NIM1K
PTPN7.1	6.10E-31	-0.34846	0.014	0.091	9.11E-27	AC-G	PTPN7
MAOA	6.68E-31	0.234133	0.073	0.023	9.98E-27	AC-G	MAOA
FPR3.1	6.69E-31	-0.26492	0.001	0.067	1.00E-26	AC-G	FPR3
SLC47A2	7.08E-31	0.239279	0.063	0.018	1.06E-26	AC-G	SLC47A2
C6orf62.1	7.24E-31	-0.21888	0.316	0.478	1.08E-26	AC-G	C6orf62
TNFRSF12A	7.25E-31	0.371309	0.379	0.269	1.08E-26	AC-G	TNFRSF12A
EPHA3.1	7.53E-31	-0.12312	0.01	0.085	1.13E-26	AC-G	EPHA3
IQGAP2.1	7.68E-31	-0.22507	0.062	0.166	1.15E-26	AC-G	IQGAP2
ACAA1.1	7.92E-31	-0.26427	0.229	0.372	1.18E-26	AC-G	ACAA1
MTA1.1	8.42E-31	-0.2305	0.094	0.209	1.26E-26	AC-G	MTA1
KLHDC3.1	8.60E-31	-0.19007	0.241	0.386	1.29E-26	AC-G	KLHDC3
ARID4B.1	9.02E-31	-0.23656	0.281	0.43	1.35E-26	AC-G	ARID4B
DNAJB9.1	9.10E-31	0.412114	0.467	0.369	1.36E-26	AC-G	DNAJB9
PPP2R5E.1	9.14E-31	-0.22773	0.14	0.268	1.37E-26	AC-G	PPP2R5E
FARP1	9.72E-31	-0.2328	0.089	0.204	1.45E-26	AC-G	FARP1
NUSAP1.1	1.02E-30	-0.39542	0.032	0.119	1.53E-26	AC-G	NUSAP1
SOX12	1.03E-30	-0.15103	0.038	0.131	1.54E-26	AC-G	SOX12
PGAM2.1	1.03E-30	0.392463	0.098	0.038	1.54E-26	AC-G	PGAM2
IL16.1	1.08E-30	-0.33851	0.008	0.08	1.61E-26	AC-G	IL16
RHOH.1	1.14E-30	-0.38342	0.013	0.089	1.71E-26	AC-G	RHOH
PRPF38B.1	1.17E-30	-0.26132	0.307	0.46	1.74E-26	AC-G	PRPF38B
PPIF.1	1.20E-30	-0.30963	0.124	0.24	1.80E-26	AC-G	PPIF
ELOVL2.1	1.22E-30	-0.14567	0.025	0.112	1.82E-26	AC-G	ELOVL2
SNAP23.1	1.22E-30	-0.27969	0.141	0.264	1.83E-26	AC-G	SNAP23
ANKRD22.1	1.28E-30	-0.33242	0.006	0.076	1.92E-26	AC-G	ANKRD22
RTN2.1	1.29E-30	-0.26239	0.017	0.097	1.92E-26	AC-G	RTN2
RP11-499E	1.40E-30	0.197171	0.073	0.023	2.10E-26	AC-G	RP11-499E18.1
WSB2.1	1.43E-30	-0.23547	0.122	0.243	2.14E-26	AC-G	WSB2
RP5-940J5	1.61E-30	0.351332	0.247	0.145	2.41E-26	AC-G	RP5-940J5.9
SEMA4D.1	1.69E-30	-0.3433	0.016	0.093	2.52E-26	AC-G	SEMA4D
STARD4-AS	1.71E-30	-0.21975	0.046	0.143	2.55E-26	AC-G	STARD4-AS1
TALDO1.1	1.78E-30	-0.18806	0.459	0.624	2.67E-26	AC-G	TALDO1
CKAP2.1	1.86E-30	-0.28475	0.079	0.186	2.79E-26	AC-G	CKAP2
SWAP70.1	1.94E-30	-0.29644	0.123	0.241	2.91E-26	AC-G	SWAP70
HTATIP2.1	2.00E-30	-0.33832	0.063	0.163	2.99E-26	AC-G	HTATIP2
DAZAP1.1	2.01E-30	-0.24361	0.129	0.252	3.01E-26	AC-G	DAZAP1
CD93.1	2.28E-30	-0.31633	0.009	0.083	3.41E-26	AC-G	CD93
RAP1A.1	2.29E-30	-0.24822	0.397	0.539	3.42E-26	AC-G	RAP1A
CRELD2.1	2.32E-30	-0.24268	0.171	0.305	3.46E-26	AC-G	CRELD2
COX6A1.1	2.32E-30	0.245507	0.827	0.848	3.46E-26	AC-G	COX6A1
CD59.1	2.37E-30	0.422079	0.585	0.547	3.54E-26	AC-G	CD59
PPP6R2.1	2.39E-30	-0.24138	0.064	0.166	3.57E-26	AC-G	PPP6R2
FNBP1.1	2.73E-30	-0.31176	0.157	0.284	4.08E-26	AC-G	FNBP1
ZNF580.1	2.81E-30	-0.26204	0.182	0.312	4.20E-26	AC-G	ZNF580
GK.1	3.03E-30	-0.31763	0.057	0.154	4.53E-26	AC-G	GK
PPIL6.1	3.31E-30	0.201568	0.098	0.038	4.94E-26	AC-G	PPIL6
VWA1.1	3.58E-30	-0.24847	0.06	0.16	5.35E-26	AC-G	VWA1
SCO2.1	3.63E-30	-0.2234	0.112	0.231	5.42E-26	AC-G	SCO2

DHRSX. 1	3. 90E-30	-0. 22453	0. 128	0. 253	5. 82E-26	AC-G	DHRSX
LDLRAD3. 1	4. 27E-30	-0. 11935	0. 082	0. 194	6. 39E-26	AC-G	LDLRAD3
MAD2L2	4. 54E-30	-0. 15783	0. 268	0. 417	6. 78E-26	AC-G	MAD2L2
ZNF106. 1	4. 81E-30	-0. 2442	0. 15	0. 278	7. 19E-26	AC-G	ZNF106
CENPW. 1	4. 94E-30	-0. 24727	0. 041	0. 133	7. 38E-26	AC-G	CENPW
ZNF280D. 1	4. 99E-30	-0. 24553	0. 045	0. 139	7. 46E-26	AC-G	ZNF280D
PNOC	5. 00E-30	0. 101006	0. 028	0. 004	7. 47E-26	AC-G	PNOC
PTPRN. 1	5. 65E-30	0. 22921	0. 136	0. 062	8. 45E-26	AC-G	PTPRN
MYH9. 1	5. 90E-30	-0. 25598	0. 094	0. 206	8. 82E-26	AC-G	MYH9
PAK1. 1	6. 01E-30	-0. 37412	0. 083	0. 187	8. 98E-26	AC-G	PAK1
HHEX. 1	6. 05E-30	-0. 29304	0. 002	0. 068	9. 04E-26	AC-G	HHEX
TNFSF13B. 1	6. 20E-30	-0. 44277	0. 115	0. 221	9. 26E-26	AC-G	TNFSF13B
ELAVL1. 1	6. 23E-30	-0. 25413	0. 227	0. 367	9. 31E-26	AC-G	ELAVL1
CTTNBP2. 1	7. 06E-30	-0. 3098	0. 056	0. 152	1. 05E-25	AC-G	CTTNBP2
ABHD2. 1	8. 36E-30	-0. 17777	0. 123	0. 25	1. 25E-25	AC-G	ABHD2
WNK1. 1	8. 48E-30	-0. 20715	0. 168	0. 3	1. 27E-25	AC-G	WNK1
MYO1G. 1	8. 48E-30	-0. 27056	0. 004	0. 072	1. 27E-25	AC-G	MYO1G
UBAC1. 1	9. 16E-30	-0. 23205	0. 12	0. 237	1. 37E-25	AC-G	UBAC1
BNIP2. 1	9. 79E-30	-0. 28692	0. 159	0. 284	1. 46E-25	AC-G	BNIP2
CARD9. 1	1. 01E-29	-0. 27027	0. 009	0. 08	1. 51E-25	AC-G	CARD9
CMIP. 1	1. 06E-29	-0. 30486	0. 085	0. 19	1. 58E-25	AC-G	CMIP
FES. 1	1. 10E-29	-0. 30035	0. 016	0. 092	1. 64E-25	AC-G	FES
CECR5. 1	1. 11E-29	-0. 18392	0. 145	0. 272	1. 65E-25	AC-G	CECR5
ASAP1. 1	1. 11E-29	-0. 20669	0. 126	0. 247	1. 66E-25	AC-G	ASAP1
TSPAN7	1. 13E-29	0. 434311	0. 395	0. 294	1. 69E-25	AC-G	TSPAN7
RNPEP. 1	1. 14E-29	-0. 27971	0. 125	0. 243	1. 71E-25	AC-G	RNPEP
EIF4G3. 1	1. 14E-29	-0. 23058	0. 084	0. 192	1. 71E-25	AC-G	EIF4G3
RALGAPA2. 1	1. 18E-29	-0. 18359	0. 036	0. 125	1. 77E-25	AC-G	RALGAPA2
TMEM181. 1	1. 22E-29	-0. 18936	0. 075	0. 181	1. 82E-25	AC-G	TMEM181
EMILIN2. 1	1. 26E-29	-0. 2109	0. 016	0. 093	1. 88E-25	AC-G	EMILIN2
ANKRD9. 1	1. 29E-29	-0. 18664	0. 02	0. 101	1. 92E-25	AC-G	ANKRD9
NSD1. 1	1. 33E-29	-0. 24464	0. 131	0. 252	1. 98E-25	AC-G	NSD1
ITGAV. 1	1. 36E-29	-0. 23779	0. 172	0. 299	2. 04E-25	AC-G	ITGAV
EEF1B2. 1	1. 77E-29	-0. 10345	0. 642	0. 803	2. 65E-25	AC-G	EEF1B2
NENF. 1	1. 78E-29	-0. 21576	0. 358	0. 52	2. 67E-25	AC-G	NENF
TOP2A. 1	1. 81E-29	-0. 35456	0. 02	0. 099	2. 71E-25	AC-G	TOP2A
KLF3. 1	1. 83E-29	-0. 26913	0. 118	0. 233	2. 74E-25	AC-G	KLF3
HIPK2. 1	1. 92E-29	-0. 25626	0. 122	0. 24	2. 87E-25	AC-G	HIPK2
LRCH4. 1	2. 25E-29	-0. 31756	0. 098	0. 206	3. 36E-25	AC-G	LRCH4
PURA. 1	2. 30E-29	-0. 25973	0. 112	0. 227	3. 44E-25	AC-G	PURA
PBRM1	2. 41E-29	-0. 23941	0. 137	0. 26	3. 60E-25	AC-G	PBRM1
GPR84. 1	2. 63E-29	-0. 33849	0. 013	0. 085	3. 93E-25	AC-G	GPR84
SDF4. 1	2. 98E-29	-0. 26624	0. 288	0. 426	4. 45E-25	AC-G	SDF4
LMBR1L. 1	3. 12E-29	-0. 27027	0. 094	0. 202	4. 66E-25	AC-G	LMBR1L
DPYSL4. 1	3. 22E-29	-0. 21919	0. 069	0. 171	4. 82E-25	AC-G	DPYSL4
FAM69C. 1	3. 59E-29	-0. 1442	0. 014	0. 089	5. 37E-25	AC-G	FAM69C
RNFT1. 1	3. 87E-29	-0. 20678	0. 107	0. 221	5. 79E-25	AC-G	RNFT1
TFEC. 1	3. 94E-29	-0. 27069	0. 002	0. 066	5. 88E-25	AC-G	TFEC
EPN2. 1	4. 07E-29	-0. 24862	0. 138	0. 256	6. 08E-25	AC-G	EPN2
SPSB4. 1	4. 15E-29	-0. 13528	0. 004	0. 07	6. 20E-25	AC-G	SPSB4
STK25. 1	4. 17E-29	-0. 22619	0. 192	0. 324	6. 23E-25	AC-G	STK25

CLEC4E	4. 26E-29	-0. 36953	0. 003	0. 068	6. 37E-25	AC-G	CLEC4E
FAM64A. 1	4. 36E-29	-0. 27203	0. 01	0. 081	6. 52E-25	AC-G	FAM64A
PRKCD. 1	4. 40E-29	-0. 30382	0. 017	0. 093	6. 58E-25	AC-G	PRKCD
UBL3. 1	4. 61E-29	-0. 23648	0. 239	0. 376	6. 89E-25	AC-G	UBL3
CXXC5. 1	4. 64E-29	-0. 25174	0. 268	0. 402	6. 93E-25	AC-G	CXXC5
ZNF609. 1	4. 67E-29	-0. 1966	0. 024	0. 105	6. 98E-25	AC-G	ZNF609
TMED10. 1	4. 68E-29	0. 386348	0. 655	0. 605	6. 99E-25	AC-G	TMED10
ICA1	4. 77E-29	-0. 2836	0. 04	0. 128	7. 12E-25	AC-G	ICA1
NOV	5. 16E-29	0. 129066	0. 043	0. 009	7. 71E-25	AC-G	NOV
SPG21. 1	5. 42E-29	-0. 22977	0. 266	0. 408	8. 09E-25	AC-G	SPG21
ATP5C1. 1	5. 48E-29	-0. 11688	0. 458	0. 612	8. 20E-25	AC-G	ATP5C1
ALYREF. 1	5. 50E-29	-0. 1656	0. 062	0. 162	8. 22E-25	AC-G	ALYREF
PIP4K2A. 1	5. 81E-29	-0. 32901	0. 057	0. 153	8. 69E-25	AC-G	PIP4K2A
WDR82. 1	5. 91E-29	-0. 25117	0. 151	0. 274	8. 83E-25	AC-G	WDR82
MIR181A1H	5. 96E-29	-0. 24863	0. 039	0. 127	8. 91E-25	AC-G	MIR181A1HG
RP11-326C	6. 19E-29	0. 150976	0. 038	0. 007	9. 25E-25	AC-G	RP11-326C3. 12
ZNF295-AS	6. 33E-29	0. 109124	0. 025	0. 003	9. 46E-25	AC-G	ZNF295-AS1
PLEKHB2. 1	6. 36E-29	-0. 2073	0. 279	0. 423	9. 51E-25	AC-G	PLEKHB2
ARHGAP35.	6. 49E-29	-0. 18835	0. 063	0. 163	9. 70E-25	AC-G	ARHGAP35
BCL7C	6. 54E-29	-0. 21518	0. 15	0. 275	9. 77E-25	AC-G	BCL7C
CLEC2B. 1	6. 79E-29	-0. 22148	0. 108	0. 224	1. 02E-24	AC-G	CLEC2B
KATNBL1. 1	7. 06E-29	-0. 21616	0. 147	0. 271	1. 06E-24	AC-G	KATNBL1
TRIM24. 1	7. 20E-29	-0. 2196	0. 099	0. 21	1. 08E-24	AC-G	TRIM24
GSK3B. 1	7. 26E-29	-0. 22915	0. 103	0. 216	1. 08E-24	AC-G	GSK3B
CTSD. 1	7. 48E-29	-0. 17522	0. 511	0. 664	1. 12E-24	AC-G	CTSD
PDCD7	7. 52E-29	-0. 22315	0. 123	0. 24	1. 12E-24	AC-G	PDCD7
CFH	8. 27E-29	0. 117556	0. 042	0. 009	1. 24E-24	AC-G	CFH
FREM2. 1	8. 30E-29	-0. 11832	0. 009	0. 079	1. 24E-24	AC-G	FREM2
DHRS11. 1	9. 19E-29	-0. 12058	0. 031	0. 116	1. 37E-24	AC-G	DHRS11
BTF3	9. 36E-29	0. 21247	0. 854	0. 906	1. 40E-24	AC-G	BTF3
RHOQ. 1	9. 40E-29	-0. 23034	0. 075	0. 178	1. 40E-24	AC-G	RHOQ
CAB39. 1	1. 02E-28	-0. 26877	0. 094	0. 201	1. 52E-24	AC-G	CAB39
LPXN. 1	1. 04E-28	-0. 35699	0. 038	0. 124	1. 55E-24	AC-G	LPXN
TMEM131. 1	1. 06E-28	-0. 1569	0. 063	0. 162	1. 58E-24	AC-G	TMEM131
METRNL. 1	1. 08E-28	-0. 3192	0. 019	0. 095	1. 62E-24	AC-G	METRNL
PRRC2B. 1	1. 14E-28	-0. 21995	0. 135	0. 256	1. 71E-24	AC-G	PRRC2B
ZNF428. 1	1. 16E-28	-0. 23854	0. 449	0. 563	1. 73E-24	AC-G	ZNF428
SPPL2A. 1	1. 30E-28	-0. 28175	0. 096	0. 201	1. 94E-24	AC-G	SPPL2A
HAP1	1. 32E-28	0. 272747	0. 124	0. 057	1. 97E-24	AC-G	HAP1
TACC3. 1	1. 34E-28	-0. 23189	0. 015	0. 089	2. 00E-24	AC-G	TACC3
GLS. 1	1. 44E-28	-0. 21406	0. 051	0. 144	2. 16E-24	AC-G	GLS
RP11-556E	1. 56E-28	-0. 30152	0. 002	0. 065	2. 34E-24	AC-G	RP11-556E13. 1
TMEM38A. 1	1. 57E-28	0. 180574	0. 1	0. 041	2. 35E-24	AC-G	TMEM38A
MAST3. 1	1. 63E-28	-0. 19653	0. 016	0. 09	2. 44E-24	AC-G	MAST3
TMBIM4. 1	1. 77E-28	0. 395033	0. 115	0. 048	2. 64E-24	AC-G	TMBIM4
MAPKAPK3	1. 91E-28	-0. 29459	0. 085	0. 187	2. 85E-24	AC-G	MAPKAPK3
XXYLT1. 1	2. 00E-28	-0. 19598	0. 049	0. 141	2. 99E-24	AC-G	XXYLT1
WIPI2. 1	2. 03E-28	-0. 23774	0. 276	0. 421	3. 04E-24	AC-G	WIPI2
TGFBI. 1	2. 06E-28	-0. 46978	0. 122	0. 222	3. 07E-24	AC-G	TGFBI
NDUFB2. 1	2. 13E-28	0. 293394	0. 786	0. 813	3. 18E-24	AC-G	NDUFB2
FAM110B. 1	2. 21E-28	-0. 21177	0. 095	0. 204	3. 30E-24	AC-G	FAM110B

LCA5L	2. 28E-28	0. 120262	0. 045	0. 011	3. 41E-24	AC-G	LCA5L
FKBP5. 1	2. 31E-28	-0. 35776	0. 218	0. 336	3. 46E-24	AC-G	FKBP5
SRGAP1. 1	2. 33E-28	-0. 23524	0. 128	0. 244	3. 48E-24	AC-G	SRGAP1
IDH1. 1	2. 35E-28	-0. 20496	0. 26	0. 404	3. 51E-24	AC-G	IDH1
SNHG18	2. 35E-28	0. 144863	0. 056	0. 016	3. 52E-24	AC-G	SNHG18
SPPL3. 1	2. 41E-28	-0. 22822	0. 102	0. 216	3. 60E-24	AC-G	SPPL3
FAM162A. 1	2. 49E-28	0. 447786	0. 473	0. 387	3. 73E-24	AC-G	FAM162A
CLEC11A. 1	2. 50E-28	-0. 27794	0. 136	0. 25	3. 74E-24	AC-G	CLEC11A
ARRDC1. 1	2. 52E-28	-0. 2922	0. 056	0. 149	3. 77E-24	AC-G	ARRDC1
EHBP1L1. 1	2. 65E-28	-0. 2055	0. 011	0. 082	3. 96E-24	AC-G	EHBP1L1
COPE. 1	2. 66E-28	0. 250163	0. 759	0. 773	3. 97E-24	AC-G	COPE
GIMAP7	2. 74E-28	-0. 31391	0. 002	0. 065	4. 10E-24	AC-G	GIMAP7
ZMIZ1. 1	2. 83E-28	-0. 25007	0. 059	0. 154	4. 23E-24	AC-G	ZMIZ1
CCDC50. 1	2. 90E-28	-0. 24588	0. 192	0. 321	4. 33E-24	AC-G	CCDC50
RASAL3. 1	2. 97E-28	-0. 26705	0. 004	0. 067	4. 45E-24	AC-G	RASAL3
DENND6B. 1	3. 09E-28	-0. 26052	0. 032	0. 116	4. 61E-24	AC-G	DENND6B
WSB1	3. 09E-28	-0. 15247	0. 505	0. 68	4. 62E-24	AC-G	WSB1
PRRC2A. 1	3. 19E-28	-0. 20684	0. 141	0. 263	4. 76E-24	AC-G	PRRC2A
DLX2. 1	3. 35E-28	-0. 37545	0. 038	0. 122	5. 01E-24	AC-G	DLX2
CHP1. 1	3. 50E-28	-0. 23556	0. 134	0. 254	5. 23E-24	AC-G	CHP1
CTDSP1. 1	3. 51E-28	-0. 29109	0. 125	0. 24	5. 25E-24	AC-G	CTDSP1
NLGN3	3. 77E-28	-0. 19464	0. 04	0. 128	5. 64E-24	AC-G	NLGN3
SNN. 1	3. 93E-28	-0. 26181	0. 13	0. 244	5. 87E-24	AC-G	SNN
ETV6. 1	4. 02E-28	-0. 21911	0. 066	0. 164	6. 01E-24	AC-G	ETV6
PLK3. 1	4. 23E-28	-0. 33765	0. 148	0. 259	6. 32E-24	AC-G	PLK3
CTDSP2. 1	4. 39E-28	-0. 1976	0. 169	0. 298	6. 56E-24	AC-G	CTDSP2
SRP9	4. 49E-28	0. 245435	0. 708	0. 676	6. 71E-24	AC-G	SRP9
ARSA. 1	4. 54E-28	-0. 24301	0. 056	0. 15	6. 78E-24	AC-G	ARSA
ADAM10. 1	4. 54E-28	-0. 22605	0. 093	0. 202	6. 79E-24	AC-G	ADAM10
FHL1. 1	5. 04E-28	0. 345899	0. 436	0. 341	7. 53E-24	AC-G	FHL1
FUCA1. 1	5. 16E-28	-0. 3018	0. 128	0. 238	7. 72E-24	AC-G	FUCA1
NPM1. 1	5. 18E-28	0. 232424	0. 821	0. 878	7. 73E-24	AC-G	NPM1
CYC1. 1	5. 93E-28	-0. 21968	0. 406	0. 565	8. 86E-24	AC-G	CYC1
UBTF. 1	6. 25E-28	-0. 20016	0. 126	0. 246	9. 34E-24	AC-G	UBTF
SLC16A10. 1	6. 37E-28	-0. 38672	0. 023	0. 1	9. 51E-24	AC-G	SLC16A10
RAB8B. 1	6. 47E-28	-0. 17385	0. 069	0. 171	9. 67E-24	AC-G	RAB8B
MKI67. 1	6. 69E-28	-0. 26213	0. 007	0. 073	9. 99E-24	AC-G	MKI67
CDH4. 1	6. 75E-28	-0. 16149	0. 022	0. 099	1. 01E-23	AC-G	CDH4
MAP4K4	7. 02E-28	-0. 23309	0. 146	0. 268	1. 05E-23	AC-G	MAP4K4
PSMD8. 1	7. 24E-28	0. 349694	0. 689	0. 67	1. 08E-23	AC-G	PSMD8
CORO2B	7. 53E-28	-0. 15297	0. 031	0. 114	1. 13E-23	AC-G	CORO2B
GSTO1	8. 34E-28	-0. 26207	0. 341	0. 478	1. 25E-23	AC-G	GSTO1
PANK2. 1	9. 53E-28	-0. 19458	0. 114	0. 227	1. 42E-23	AC-G	PANK2
CLPTMIL. 1	9. 61E-28	-0. 19275	0. 068	0. 168	1. 44E-23	AC-G	CLPTMIL
DESI1. 1	9. 76E-28	-0. 21633	0. 086	0. 193	1. 46E-23	AC-G	DESI1
GAS2L3. 1	1. 01E-27	-0. 15514	0. 01	0. 08	1. 51E-23	AC-G	GAS2L3
RGS18. 1	1. 03E-27	-0. 27239	0. 002	0. 062	1. 55E-23	AC-G	RGS18
SUPT6H	1. 04E-27	-0. 21392	0. 084	0. 189	1. 55E-23	AC-G	SUPT6H
TTYH2. 1	1. 05E-27	-0. 24051	0. 042	0. 13	1. 57E-23	AC-G	TTYH2
RNF157	1. 07E-27	-0. 15657	0. 054	0. 149	1. 59E-23	AC-G	RNF157
HSPA8	1. 09E-27	0. 230403	0. 834	0. 872	1. 63E-23	AC-G	HSPA8

SSNA1.1	1.12E-27	-0.2052	0.322	0.47	1.67E-23	AC-G	SSNA1
TRPV2.1	1.13E-27	-0.26588	0.005	0.069	1.69E-23	AC-G	TRPV2
PKIB.1	1.17E-27	-0.12942	0.17	0.306	1.74E-23	AC-G	PKIB
MAP2K3.1	1.21E-27	-0.28063	0.1	0.206	1.81E-23	AC-G	MAP2K3
TP53I13.1	1.23E-27	-0.25136	0.147	0.264	1.84E-23	AC-G	TP53I13
GCA.1	1.25E-27	-0.38002	0.201	0.318	1.87E-23	AC-G	GCA
VPS26B.1	1.34E-27	-0.20664	0.134	0.25	2.00E-23	AC-G	VPS26B
PTX3.1	1.35E-27	0.512073	0.178	0.103	2.02E-23	AC-G	PTX3
COX5A.1	1.36E-27	-0.19677	0.467	0.624	2.04E-23	AC-G	COX5A
KCNAB2.1	1.52E-27	-0.27481	0.016	0.088	2.27E-23	AC-G	KCNAB2
IER5.1	1.67E-27	-0.27025	0.111	0.22	2.50E-23	AC-G	IER5
TLR1.1	1.80E-27	-0.30375	0.011	0.079	2.70E-23	AC-G	TLR1
ELAVL2.1	1.81E-27	-0.23344	0.018	0.091	2.71E-23	AC-G	ELAVL2
SUMO3.1	1.90E-27	-0.19763	0.319	0.463	2.84E-23	AC-G	SUMO3
FAM212B.1	1.97E-27	-0.21168	0.031	0.112	2.95E-23	AC-G	FAM212B
CCDC28B	2.18E-27	-0.14662	0.12	0.238	3.25E-23	AC-G	CCDC28B
DYNLL2.1	2.22E-27	-0.22888	0.113	0.224	3.32E-23	AC-G	DYNLL2
IGFBP3	2.33E-27	0.529364	0.269	0.18	3.48E-23	AC-G	IGFBP3
ADNP	2.35E-27	-0.18756	0.1	0.211	3.51E-23	AC-G	ADNP
RPS6KA4.1	2.43E-27	-0.25865	0.048	0.136	3.63E-23	AC-G	RPS6KA4
RBM26	2.55E-27	-0.2029	0.117	0.231	3.81E-23	AC-G	RBM26
VCP.1	2.57E-27	-0.23224	0.305	0.457	3.84E-23	AC-G	VCP
KRAS.1	2.62E-27	-0.25728	0.155	0.274	3.92E-23	AC-G	KRAS
POU3F3.1	2.66E-27	-0.18874	0.071	0.17	3.97E-23	AC-G	POU3F3
ZMAT5.1	2.67E-27	-0.15274	0.134	0.255	3.99E-23	AC-G	ZMAT5
FAM57B.1	2.72E-27	-0.2267	0.027	0.105	4.07E-23	AC-G	FAM57B
EZH2.1	2.82E-27	-0.23044	0.072	0.169	4.22E-23	AC-G	EZH2
PRKACA.1	2.96E-27	-0.18951	0.067	0.166	4.42E-23	AC-G	PRKACA
SLC29A1.1	2.97E-27	-0.35662	0.061	0.152	4.44E-23	AC-G	SLC29A1
LINC00936	3.11E-27	-0.29771	0.062	0.156	4.65E-23	AC-G	LINC00936
SLC4A7.1	3.20E-27	-0.26913	0.121	0.232	4.78E-23	AC-G	SLC4A7
LASP1.1	3.44E-27	-0.2078	0.117	0.227	5.14E-23	AC-G	LASP1
FAM217B.1	3.65E-27	-0.22171	0.072	0.171	5.46E-23	AC-G	FAM217B
CFL2	3.80E-27	0.373462	0.406	0.312	5.68E-23	AC-G	CFL2
CYCS.1	3.84E-27	0.275084	0.738	0.733	5.74E-23	AC-G	CYCS
HDAC10.1	3.85E-27	-0.2318	0.038	0.121	5.75E-23	AC-G	HDAC10
ZNF582-AS	4.02E-27	0.29539	0.135	0.065	6.01E-23	AC-G	ZNF582-AS1
CALM1.1	4.09E-27	-0.10552	0.656	0.794	6.11E-23	AC-G	CALM1
NUDT2.1	4.14E-27	-0.23064	0.087	0.192	6.18E-23	AC-G	NUDT2
KMT2C.1	4.21E-27	-0.23137	0.159	0.281	6.28E-23	AC-G	KMT2C
EXOC7.1	4.31E-27	-0.18408	0.241	0.374	6.45E-23	AC-G	EXOC7
MLX.1	4.31E-27	-0.24824	0.192	0.319	6.45E-23	AC-G	MLX
CUEDC1.1	4.33E-27	-0.13321	0.042	0.129	6.47E-23	AC-G	CUEDC1
EPSTI1.1	4.35E-27	-0.38001	0.052	0.139	6.50E-23	AC-G	EPSTI1
CRMP1.1	4.52E-27	-0.32581	0.172	0.283	6.75E-23	AC-G	CRMP1
ALDOC.1	4.55E-27	0.300089	0.236	0.14	6.80E-23	AC-G	ALDOC
FMNL3.1	4.85E-27	-0.26698	0.017	0.089	7.25E-23	AC-G	FMNL3
FAM168A.1	5.24E-27	-0.18951	0.051	0.142	7.84E-23	AC-G	FAM168A
GATM.1	5.28E-27	-0.24459	0.242	0.374	7.89E-23	AC-G	GATM
INPP5D.1	5.41E-27	-0.32696	0.022	0.097	8.08E-23	AC-G	INPP5D
ARHGEF1.1	5.43E-27	-0.278	0.107	0.214	8.12E-23	AC-G	ARHGEF1

CYTH2. 1	5. 73E-27	-0. 22636	0. 231	0. 363	8. 56E-23	AC-G	CYTH2
SERTAD1. 1	5. 85E-27	0. 405556	0. 399	0. 3	8. 74E-23	AC-G	SERTAD1
CENPM. 1	6. 18E-27	-0. 22044	0. 015	0. 085	9. 24E-23	AC-G	CENPM
PCMTD2. 1	6. 32E-27	-0. 22158	0. 132	0. 246	9. 45E-23	AC-G	PCMTD2
SGOL1	6. 37E-27	-0. 22215	0. 005	0. 068	9. 52E-23	AC-G	SGOL1
MPPED2	6. 49E-27	-0. 20197	0. 026	0. 102	9. 70E-23	AC-G	MPPED2
KCNQ2. 1	6. 55E-27	-0. 13533	0. 121	0. 233	9. 79E-23	AC-G	KCNQ2
WDR26. 1	6. 67E-27	-0. 21715	0. 077	0. 176	9. 97E-23	AC-G	WDR26
NOL12	6. 86E-27	-0. 16243	0. 123	0. 239	1. 03E-22	AC-G	NOL12
VPS13C. 1	6. 89E-27	-0. 19592	0. 087	0. 191	1. 03E-22	AC-G	VPS13C
CHD3	6. 94E-27	-0. 25491	0. 044	0. 129	1. 04E-22	AC-G	CHD3
SLC7A11	8. 18E-27	0. 121722	0. 058	0. 017	1. 22E-22	AC-G	SLC7A11
KIAA2013.	8. 22E-27	-0. 1869	0. 068	0. 167	1. 23E-22	AC-G	KIAA2013
ADCY7. 1	8. 43E-27	-0. 2769	0. 009	0. 074	1. 26E-22	AC-G	ADCY7
PHLDB1. 1	8. 61E-27	-0. 22394	0. 062	0. 157	1. 29E-22	AC-G	PHLDB1
PTP4A2. 1	8. 86E-27	-0. 20979	0. 335	0. 476	1. 32E-22	AC-G	PTP4A2
RAB32. 1	9. 28E-27	-0. 27237	0. 143	0. 257	1. 39E-22	AC-G	RAB32
TTC3. 1	9. 34E-27	-0. 23622	0. 405	0. 538	1. 40E-22	AC-G	TTC3
TCOF1. 1	9. 77E-27	-0. 30854	0. 108	0. 212	1. 46E-22	AC-G	TCOF1
EIF4G2. 1	9. 83E-27	-0. 15038	0. 552	0. 68	1. 47E-22	AC-G	EIF4G2
IL10RB. 1	1. 02E-26	-0. 24943	0. 147	0. 262	1. 52E-22	AC-G	IL10RB
CDV3	1. 05E-26	-0. 27035	0. 175	0. 295	1. 56E-22	AC-G	CDV3
TYMS. 1	1. 05E-26	-0. 27444	0. 079	0. 177	1. 57E-22	AC-G	TYMS
CD40. 1	1. 06E-26	-0. 29116	0. 011	0. 078	1. 59E-22	AC-G	CD40
SUZ12. 1	1. 08E-26	-0. 21153	0. 104	0. 212	1. 61E-22	AC-G	SUZ12
ENAH. 1	1. 12E-26	-0. 21988	0. 164	0. 284	1. 67E-22	AC-G	ENAH
GBP3	1. 19E-26	0. 247426	0. 145	0. 071	1. 78E-22	AC-G	GBP3
RP11-71N1	1. 23E-26	-0. 14996	0. 056	0. 151	1. 84E-22	AC-G	RP11-71N10. 1
C1QBP. 1	1. 24E-26	-0. 20119	0. 425	0. 58	1. 85E-22	AC-G	C1QBP
DOK1. 1	1. 29E-26	-0. 26508	0. 075	0. 17	1. 93E-22	AC-G	DOK1
SFRP4	1. 32E-26	0. 363438	0. 107	0. 047	1. 97E-22	AC-G	SFRP4
FOXN2. 1	1. 34E-26	-0. 21098	0. 055	0. 146	2. 01E-22	AC-G	FOXN2
M6PR. 1	1. 37E-26	-0. 27486	0. 276	0. 403	2. 05E-22	AC-G	M6PR
B4GALT1. 1	1. 39E-26	-0. 34855	0. 049	0. 134	2. 08E-22	AC-G	B4GALT1
DOK5	1. 53E-26	0. 433721	0. 253	0. 169	2. 29E-22	AC-G	DOK5
POLR2J. 1	1. 55E-26	0. 344522	0. 664	0. 64	2. 32E-22	AC-G	POLR2J
GFER. 1	1. 58E-26	-0. 23037	0. 117	0. 227	2. 36E-22	AC-G	GFER
LAPTM4B. 1	1. 68E-26	-0. 27555	0. 229	0. 351	2. 51E-22	AC-G	LAPTM4B
GAS1. 1	1. 78E-26	-0. 22818	0. 065	0. 16	2. 65E-22	AC-G	GAS1
TMCC3. 1	1. 79E-26	-0. 24395	0. 015	0. 084	2. 67E-22	AC-G	TMCC3
XRCC5. 1	1. 79E-26	-0. 13578	0. 435	0. 585	2. 68E-22	AC-G	XRCC5
SEMA6A. 1	1. 79E-26	-0. 1947	0. 109	0. 217	2. 68E-22	AC-G	SEMA6A
NISCH. 1	1. 80E-26	-0. 25972	0. 09	0. 193	2. 69E-22	AC-G	NISCH
ITSN2. 1	1. 86E-26	-0. 28332	0. 097	0. 198	2. 79E-22	AC-G	ITSN2
IDI1. 1	1. 88E-26	-0. 25749	0. 22	0. 344	2. 81E-22	AC-G	IDI1
TK1. 1	1. 92E-26	-0. 25377	0. 014	0. 082	2. 87E-22	AC-G	TK1
DEAF1. 1	1. 93E-26	-0. 18938	0. 118	0. 23	2. 89E-22	AC-G	DEAF1
JUND. 1	2. 13E-26	-0. 25938	0. 286	0. 421	3. 19E-22	AC-G	JUND
CENPF. 1	2. 14E-26	-0. 32456	0. 034	0. 114	3. 20E-22	AC-G	CENPF
GTPBP6. 1	2. 15E-26	-0. 20413	0. 119	0. 23	3. 21E-22	AC-G	GTPBP6
RBM15B. 1	2. 18E-26	-0. 2116	0. 087	0. 187	3. 26E-22	AC-G	RBM15B

PRDM2	2. 22E-26	-0. 20478	0. 068	0. 164	3. 31E-22	AC-G	PRDM2
CCDC170	2. 26E-26	0. 115334	0. 092	0. 036	3. 37E-22	AC-G	CCDC170
UBE2Q2. 1	2. 44E-26	-0. 17745	0. 112	0. 223	3. 65E-22	AC-G	UBE2Q2
ATF6B. 1	2. 46E-26	-0. 2158	0. 272	0. 409	3. 68E-22	AC-G	ATF6B
ARHGEF40.	2. 58E-26	-0. 21396	0. 053	0. 143	3. 86E-22	AC-G	ARHGEF40
PRRC2C. 1	2. 73E-26	-0. 17108	0. 361	0. 506	4. 09E-22	AC-G	PRRC2C
ATXN80S. 1	2. 84E-26	0. 320112	0. 142	0. 067	4. 25E-22	AC-G	ATXN80S
YPEL1. 1	3. 01E-26	-0. 15817	0. 029	0. 106	4. 50E-22	AC-G	YPEL1
UBE2T. 1	3. 02E-26	-0. 27459	0. 054	0. 141	4. 51E-22	AC-G	UBE2T
CITED2. 1	3. 04E-26	-0. 24808	0. 242	0. 374	4. 54E-22	AC-G	CITED2
ZNF32. 1	3. 09E-26	-0. 20674	0. 127	0. 241	4. 62E-22	AC-G	ZNF32
BCL7A. 1	3. 09E-26	-0. 21538	0. 069	0. 165	4. 62E-22	AC-G	BCL7A
PTGES2. 1	3. 14E-26	-0. 2363	0. 168	0. 286	4. 70E-22	AC-G	PTGES2
CLIP2. 1	3. 18E-26	-0. 22104	0. 091	0. 193	4. 75E-22	AC-G	CLIP2
LIMK1. 1	3. 20E-26	-0. 23862	0. 062	0. 153	4. 78E-22	AC-G	LIMK1
RBM6	3. 43E-26	-0. 22572	0. 206	0. 334	5. 13E-22	AC-G	RBM6
OLFML2B. 1	3. 50E-26	-0. 32363	0. 013	0. 079	5. 23E-22	AC-G	OLFML2B
METRN. 1	3. 69E-26	-0. 30169	0. 203	0. 312	5. 51E-22	AC-G	METRN
RASSF4. 1	3. 72E-26	-0. 27307	0. 224	0. 35	5. 56E-22	AC-G	RASSF4
CNTFR. 1	3. 87E-26	-0. 20846	0. 056	0. 144	5. 78E-22	AC-G	CNTFR
TRIM56. 1	4. 02E-26	0. 241704	0. 13	0. 063	6. 01E-22	AC-G	TRIM56
TRAF3IP3.	4. 64E-26	-0. 2896	0. 003	0. 062	6. 93E-22	AC-G	TRAF3IP3
SH3GLB2. 1	4. 75E-26	-0. 18378	0. 047	0. 132	7. 10E-22	AC-G	SH3GLB2
NRIP1. 1	4. 84E-26	-0. 16317	0. 05	0. 137	7. 23E-22	AC-G	NRIP1
ERICH1. 1	4. 87E-26	-0. 23902	0. 174	0. 292	7. 28E-22	AC-G	ERICH1
GNGT2. 1	4. 98E-26	-0. 25496	0. 003	0. 062	7. 44E-22	AC-G	GNGT2
BTG2. 1	5. 19E-26	-0. 14729	0. 335	0. 493	7. 75E-22	AC-G	BTG2
HLA-DRA. 1	5. 24E-26	0. 369931	0. 702	0. 62	7. 84E-22	AC-G	HLA-DRA
AUTS2. 1	5. 50E-26	-0. 18797	0. 047	0. 132	8. 21E-22	AC-G	AUTS2
CSF1	5. 54E-26	0. 264163	0. 154	0. 083	8. 28E-22	AC-G	CSF1
B3GALT6. 1	5. 57E-26	-0. 17308	0. 061	0. 153	8. 32E-22	AC-G	B3GALT6
TMEM121. 1	5. 85E-26	-0. 18561	0. 038	0. 119	8. 75E-22	AC-G	TMEM121
GPR155. 1	5. 87E-26	-0. 28622	0. 101	0. 203	8. 78E-22	AC-G	GPR155
DNAJC7. 1	6. 07E-26	-0. 13292	0. 339	0. 489	9. 07E-22	AC-G	DNAJC7
HEBP2. 1	6. 14E-26	-0. 1913	0. 127	0. 237	9. 18E-22	AC-G	HEBP2
ZNF358. 1	6. 27E-26	-0. 17949	0. 081	0. 181	9. 36E-22	AC-G	ZNF358
PDIA6. 1	6. 42E-26	0. 293289	0. 659	0. 646	9. 59E-22	AC-G	PDIA6
SLAMF8. 1	6. 53E-26	-0. 27583	0. 01	0. 074	9. 76E-22	AC-G	SLAMF8
EZR. 1	6. 56E-26	-0. 22852	0. 237	0. 363	9. 80E-22	AC-G	EZR
ZDHHC24. 1	6. 58E-26	-0. 2302	0. 102	0. 204	9. 83E-22	AC-G	ZDHHC24
DIAPH1. 1	6. 67E-26	-0. 19301	0. 062	0. 154	9. 97E-22	AC-G	DIAPH1
RRM2. 1	6. 77E-26	-0. 26586	0. 009	0. 073	1. 01E-21	AC-G	RRM2
ANAPC15. 1	6. 84E-26	-0. 11347	0. 156	0. 282	1. 02E-21	AC-G	ANAPC15
ANKRD17. 1	7. 45E-26	-0. 21479	0. 124	0. 235	1. 11E-21	AC-G	ANKRD17
ZDHHC12. 1	7. 85E-26	-0. 21714	0. 159	0. 28	1. 17E-21	AC-G	ZDHHC12
FDX1. 1	8. 08E-26	-0. 20811	0. 2	0. 326	1. 21E-21	AC-G	FDX1
HYAL2. 1	8. 17E-26	-0. 18118	0. 128	0. 241	1. 22E-21	AC-G	HYAL2
CEP350	8. 17E-26	-0. 2261	0. 104	0. 21	1. 22E-21	AC-G	CEP350
PFN2. 1	8. 18E-26	0. 389477	0. 509	0. 419	1. 22E-21	AC-G	PFN2
NUFIP2. 1	8. 37E-26	-0. 19323	0. 139	0. 255	1. 25E-21	AC-G	NUFIP2
ABHD14A. 1	8. 58E-26	-0. 20823	0. 129	0. 24	1. 28E-21	AC-G	ABHD14A

IQCG. 1	8. 90E-26	0. 371566	0. 188	0. 109	1. 33E-21	AC-G	IQCG
TRPM2. 1	9. 17E-26	-0. 24848	0. 003	0. 061	1. 37E-21	AC-G	TRPM2
RAB3A. 1	9. 37E-26	-0. 26162	0. 082	0. 18	1. 40E-21	AC-G	RAB3A
ANKRD13D. 9.	84E-26	-0. 22293	0. 084	0. 184	1. 47E-21	AC-G	ANKRD13D
RBM47. 1	9. 90E-26	-0. 28567	0. 047	0. 13	1. 48E-21	AC-G	RBM47
KIDINS22C 1.	01E-25	-0. 23106	0. 168	0. 288	1. 51E-21	AC-G	KIDINS220
NEK11	1. 05E-25	0. 206002	0. 093	0. 038	1. 57E-21	AC-G	NEK11
PRKACB. 1	1. 05E-25	-0. 22825	0. 123	0. 233	1. 57E-21	AC-G	PRKACB
LTBR. 1	1. 10E-25	-0. 31873	0. 031	0. 108	1. 65E-21	AC-G	LTBR
OSCAR. 1	1. 11E-25	-0. 28058	0. 016	0. 083	1. 66E-21	AC-G	OSCAR
NDUFA4L2 1.	16E-25	0. 209109	0. 083	0. 032	1. 73E-21	AC-G	NDUFA4L2
FST	1. 19E-25	0. 140704	0. 038	0. 008	1. 78E-21	AC-G	FST
RP11-806H 1.	23E-25	0. 162144	0. 051	0. 014	1. 84E-21	AC-G	RP11-806H10. 4
PBK. 1	1. 30E-25	-0. 30651	0. 017	0. 084	1. 94E-21	AC-G	PBK
TOP1. 1	1. 30E-25	-0. 21066	0. 277	0. 411	1. 95E-21	AC-G	TOP1
PLEKHA2. 1	1. 34E-25	-0. 22678	0. 045	0. 128	2. 00E-21	AC-G	PLEKHA2
TEAD2. 1	1. 43E-25	-0. 13848	0. 027	0. 102	2. 14E-21	AC-G	TEAD2
PPT1	1. 51E-25	-0. 20952	0. 433	0. 58	2. 25E-21	AC-G	PPT1
PRR7. 1	1. 54E-25	-0. 19768	0. 102	0. 205	2. 31E-21	AC-G	PRR7
PAIP1. 1	1. 61E-25	-0. 23624	0. 285	0. 417	2. 41E-21	AC-G	PAIP1
ARAP1. 1	1. 65E-25	-0. 24974	0. 04	0. 121	2. 46E-21	AC-G	ARAP1
ZEB1. 1	1. 67E-25	-0. 22891	0. 105	0. 21	2. 50E-21	AC-G	ZEB1
CBX3. 1	1. 69E-25	-0. 18479	0. 448	0. 574	2. 53E-21	AC-G	CBX3
NNAT. 1	1. 79E-25	-0. 64975	0. 123	0. 21	2. 67E-21	AC-G	NNAT
PSMB2. 1	1. 82E-25	0. 401888	0. 609	0. 567	2. 73E-21	AC-G	PSMB2
ARHGAP22. 1.	87E-25	-0. 30611	0. 018	0. 085	2. 80E-21	AC-G	ARHGAP22
RAP2B. 1	1. 88E-25	-0. 25663	0. 086	0. 18	2. 81E-21	AC-G	RAP2B
MBD6. 1	1. 94E-25	-0. 25465	0. 063	0. 154	2. 89E-21	AC-G	MBD6
EGR3. 1	1. 97E-25	-0. 33109	0. 039	0. 117	2. 94E-21	AC-G	EGR3
FLI1. 1	2. 10E-25	-0. 26148	0. 004	0. 061	3. 13E-21	AC-G	FLI1
RELT	2. 10E-25	-0. 21985	0. 024	0. 096	3. 14E-21	AC-G	RELT
CLECL1. 1	2. 16E-25	-0. 21551	0. 001	0. 056	3. 23E-21	AC-G	CLECL1
PLAU. 1	2. 25E-25	-0. 25963	0. 082	0. 179	3. 36E-21	AC-G	PLAU
ILDR2. 1	2. 47E-25	-0. 11528	0. 02	0. 092	3. 69E-21	AC-G	ILDR2
MYLIP. 1	2. 58E-25	-0. 36699	0. 059	0. 143	3. 85E-21	AC-G	MYLIP
UBE2D1. 1	2. 59E-25	-0. 2245	0. 169	0. 286	3. 87E-21	AC-G	UBE2D1
CEBPA. 1	2. 67E-25	-0. 31257	0. 039	0. 117	3. 99E-21	AC-G	CEBPA
SLC15A3. 1	2. 73E-25	-0. 23998	0. 014	0. 079	4. 08E-21	AC-G	SLC15A3
ATP6VOE1. 3.	16E-25	0. 256566	0. 746	0. 763	4. 72E-21	AC-G	ATP6VOE1
PIPOX	3. 17E-25	-0. 15625	0. 057	0. 147	4. 73E-21	AC-G	PIPOX
CALM2	3. 17E-25	0. 203891	0. 888	0. 941	4. 74E-21	AC-G	CALM2
PITPNA. 1	3. 23E-25	-0. 1812	0. 096	0. 198	4. 82E-21	AC-G	PITPNA
SYNGR1. 1	3. 24E-25	-0. 2463	0. 043	0. 125	4. 85E-21	AC-G	SYNGR1
DOK2	3. 44E-25	-0. 25119	0. 006	0. 065	5. 14E-21	AC-G	DOK2
NPDC1. 1	3. 54E-25	-0. 26146	0. 225	0. 342	5. 29E-21	AC-G	NPDC1
SALL1. 1	3. 59E-25	-0. 18736	0. 062	0. 152	5. 36E-21	AC-G	SALL1
ADRBK1. 1	3. 63E-25	-0. 25023	0. 03	0. 105	5. 42E-21	AC-G	ADRBK1
CHIT1	3. 68E-25	0. 300837	0. 039	0. 009	5. 50E-21	AC-G	CHIT1
KLHL23. 1	3. 87E-25	-0. 24733	0. 082	0. 176	5. 78E-21	AC-G	KLHL23
YY1. 1	4. 06E-25	-0. 17403	0. 23	0. 361	6. 07E-21	AC-G	YY1
ADO. 1	4. 09E-25	-0. 17541	0. 053	0. 14	6. 12E-21	AC-G	ADO



TVP23A	4.56E-25	0.173808	0.074	0.027	6.82E-21	AC-G	TVP23A
ILF3.1	4.77E-25	-0.18384	0.3	0.433	7.13E-21	AC-G	ILF3
POLDIP2.1	4.92E-25	-0.22168	0.243	0.367	7.36E-21	AC-G	POLDIP2
SNRNP70.1	4.93E-25	-0.19554	0.346	0.5	7.36E-21	AC-G	SNRNP70
SIK3.1	4.97E-25	-0.175	0.039	0.119	7.43E-21	AC-G	SIK3
AK2.1	5.07E-25	0.397315	0.457	0.378	7.58E-21	AC-G	AK2
UBE2F	5.13E-25	-0.23252	0.223	0.35	7.67E-21	AC-G	UBE2F
TRA2B.1	5.87E-25	-0.14658	0.414	0.564	8.77E-21	AC-G	TRA2B
PERP	5.92E-25	0.156864	0.076	0.028	8.84E-21	AC-G	PERP
MAP3K2.1	5.94E-25	-0.24801	0.114	0.217	8.87E-21	AC-G	MAP3K2
RNF11.1	6.13E-25	-0.19179	0.202	0.328	9.17E-21	AC-G	RNF11
GABARAPL1	6.16E-25	-0.25701	0.2	0.317	9.21E-21	AC-G	GABARAPL1
SNX6.1	6.42E-25	-0.17312	0.309	0.453	9.60E-21	AC-G	SNX6
ASXL1.1	6.69E-25	-0.18034	0.092	0.193	1.00E-20	AC-G	ASXL1
TWSG1	6.95E-25	0.406417	0.231	0.149	1.04E-20	AC-G	TWSG1
CXXC4.1	7.13E-25	-0.17429	0.02	0.089	1.07E-20	AC-G	CXXC4
CLEC4A.1	7.25E-25	-0.29128	0.01	0.071	1.08E-20	AC-G	CLEC4A
CCDC57.1	7.93E-25	-0.27321	0.041	0.12	1.18E-20	AC-G	CCDC57
LRRC4B.1	7.98E-25	-0.15958	0.059	0.147	1.19E-20	AC-G	LRRC4B
GINS2.1	7.98E-25	-0.24444	0.036	0.112	1.19E-20	AC-G	GINS2
G3BP2.1	8.17E-25	-0.24044	0.176	0.295	1.22E-20	AC-G	G3BP2
SMARCD1.1	8.19E-25	-0.1517	0.123	0.232	1.22E-20	AC-G	SMARCD1
FCGRT	8.36E-25	-0.25069	0.452	0.569	1.25E-20	AC-G	FCGRT
VEZF1.1	8.51E-25	-0.21554	0.144	0.256	1.27E-20	AC-G	VEZF1
PAFAH1B1	9.15E-25	-0.20523	0.258	0.389	1.37E-20	AC-G	PAFAH1B1
NOTCH1.1	9.33E-25	-0.17042	0.042	0.124	1.39E-20	AC-G	NOTCH1
SNX8.1	9.49E-25	-0.18223	0.069	0.162	1.42E-20	AC-G	SNX8
COL1A2	9.59E-25	0.119724	0.043	0.011	1.43E-20	AC-G	COL1A2
RP11-480C	9.66E-25	-0.31314	0.002	0.057	1.44E-20	AC-G	RP11-480C22.1
IFT27.1	1.05E-24	-0.16383	0.157	0.276	1.57E-20	AC-G	IFT27
MCOLN1.1	1.05E-24	-0.22603	0.149	0.261	1.57E-20	AC-G	MCOLN1
KMT2A.1	1.08E-24	-0.18785	0.142	0.254	1.62E-20	AC-G	KMT2A
ITM2B.1	1.09E-24	-0.17126	0.613	0.835	1.63E-20	AC-G	ITM2B
AAK1.1	1.16E-24	-0.27146	0.181	0.295	1.74E-20	AC-G	AAK1
TMEM9.1	1.18E-24	0.399393	0.428	0.355	1.77E-20	AC-G	TMEM9
GSPT1.1	1.25E-24	-0.20583	0.241	0.369	1.87E-20	AC-G	GSPT1
DHFR	1.28E-24	-0.19873	0.073	0.166	1.91E-20	AC-G	DHFR
GRASP.1	1.30E-24	-0.26304	0.004	0.061	1.94E-20	AC-G	GRASP
ADSL.1	1.32E-24	-0.15762	0.158	0.276	1.98E-20	AC-G	ADSL
ATP2A2.1	1.33E-24	-0.19184	0.177	0.299	1.98E-20	AC-G	ATP2A2
ANKRD44	1.34E-24	-0.28049	0.033	0.108	2.00E-20	AC-G	ANKRD44
DOK3.1	1.39E-24	-0.2294	0.013	0.076	2.07E-20	AC-G	DOK3
MAN2A1.1	1.40E-24	-0.27611	0.044	0.123	2.09E-20	AC-G	MAN2A1
AC004158.	1.42E-24	-0.10816	0.051	0.136	2.12E-20	AC-G	AC004158.3
NF1.1	1.46E-24	-0.19177	0.132	0.241	2.18E-20	AC-G	NF1
MED13	1.49E-24	-0.16156	0.08	0.177	2.22E-20	AC-G	MED13
ZMYND11.1	1.50E-24	-0.15462	0.069	0.161	2.24E-20	AC-G	ZMYND11
CISD3.1	1.50E-24	-0.18399	0.156	0.273	2.25E-20	AC-G	CISD3
FGD2.1	1.52E-24	-0.23859	0.009	0.071	2.28E-20	AC-G	FGD2
ACOT7.1	1.56E-24	-0.17455	0.134	0.245	2.33E-20	AC-G	ACOT7
PRAM1.1	1.59E-24	-0.2599	0.005	0.062	2.38E-20	AC-G	PRAM1

DST. 1	1. 60E-24	-0. 23604	0. 275	0. 396	2. 40E-20	AC-G	DST
SGSM3	1. 63E-24	-0. 18999	0. 104	0. 207	2. 44E-20	AC-G	SGSM3
PRKDC	1. 76E-24	-0. 20928	0. 191	0. 312	2. 63E-20	AC-G	PRKDC
PLA2G7. 1	1. 84E-24	-0. 23383	0. 004	0. 06	2. 74E-20	AC-G	PLA2G7
GPX1. 1	1. 84E-24	-0. 10076	0. 69	0. 838	2. 74E-20	AC-G	GPX1
ARHGEF2. 1	1. 85E-24	-0. 21815	0. 185	0. 309	2. 77E-20	AC-G	ARHGEF2
ATP5J2. 1	1. 86E-24	0. 2643	0. 781	0. 813	2. 79E-20	AC-G	ATP5J2
UAP1	1. 88E-24	0. 429665	0. 254	0. 171	2. 81E-20	AC-G	UAP1
RP3-525N1	1. 92E-24	-0. 20162	0. 072	0. 165	2. 86E-20	AC-G	RP3-525N10. 2
OXR1. 1	1. 95E-24	-0. 1838	0. 157	0. 27	2. 91E-20	AC-G	OXR1
PHC2. 1	2. 14E-24	-0. 1963	0. 176	0. 296	3. 19E-20	AC-G	PHC2
TBCD. 1	2. 19E-24	-0. 19103	0. 069	0. 16	3. 28E-20	AC-G	TBCD
MTHFD1L. 1	2. 49E-24	-0. 21698	0. 063	0. 15	3. 72E-20	AC-G	MTHFD1L
IGF1	2. 52E-24	-0. 282	0. 01	0. 071	3. 77E-20	AC-G	IGF1
RHOT1. 1	2. 53E-24	-0. 20359	0. 155	0. 267	3. 79E-20	AC-G	RHOT1
MTF2. 1	2. 61E-24	-0. 2145	0. 157	0. 273	3. 90E-20	AC-G	MTF2
LPIN2. 1	2. 61E-24	-0. 18599	0. 073	0. 164	3. 91E-20	AC-G	LPIN2
FAM120A. 1	2. 69E-24	-0. 18842	0. 122	0. 227	4. 02E-20	AC-G	FAM120A
TRPM3	2. 77E-24	-0. 12188	0. 015	0. 08	4. 14E-20	AC-G	TRPM3
PPM1M. 1	2. 78E-24	-0. 2105	0. 019	0. 086	4. 15E-20	AC-G	PPM1M
ZNF362. 1	2. 89E-24	-0. 14937	0. 031	0. 106	4. 32E-20	AC-G	ZNF362
TIA1. 1	2. 90E-24	-0. 19537	0. 152	0. 267	4. 33E-20	AC-G	TIA1
TPP1. 1	3. 05E-24	-0. 21803	0. 218	0. 343	4. 56E-20	AC-G	TPP1
QARS. 1	3. 06E-24	-0. 16967	0. 183	0. 301	4. 58E-20	AC-G	QARS
EEF1A1. 1	3. 08E-24	0. 330487	0. 803	0. 83	4. 61E-20	AC-G	EEF1A1
PQLC3. 1	3. 20E-24	-0. 22509	0. 1	0. 201	4. 79E-20	AC-G	PQLC3
FBXO11. 1	3. 22E-24	-0. 22692	0. 12	0. 223	4. 81E-20	AC-G	FBXO11
SF3B1. 1	3. 79E-24	-0. 21416	0. 322	0. 458	5. 67E-20	AC-G	SF3B1
SLC35D2. 1	3. 79E-24	-0. 1599	0. 037	0. 113	5. 67E-20	AC-G	SLC35D2
MX2. 1	3. 85E-24	-0. 29884	0. 013	0. 074	5. 76E-20	AC-G	MX2
CCSAP	3. 90E-24	-0. 20622	0. 036	0. 112	5. 82E-20	AC-G	CCSAP
B4GALNT1.	4. 04E-24	-0. 29061	0. 07	0. 157	6. 04E-20	AC-G	B4GALNT1
SESN3. 1	4. 09E-24	-0. 16102	0. 073	0. 165	6. 10E-20	AC-G	SESN3
DAGLB. 1	4. 16E-24	-0. 30547	0. 053	0. 134	6. 22E-20	AC-G	DAGLB
NUDT16. 1	4. 25E-24	-0. 22927	0. 13	0. 237	6. 35E-20	AC-G	NUDT16
TMEM203. 1	4. 25E-24	-0. 20782	0. 159	0. 27	6. 35E-20	AC-G	TMEM203
EXTL3	4. 32E-24	-0. 1275	0. 058	0. 146	6. 46E-20	AC-G	EXTL3
MTMR11	4. 33E-24	0. 307363	0. 122	0. 061	6. 48E-20	AC-G	MTMR11
FBXL15. 1	4. 41E-24	-0. 26043	0. 112	0. 211	6. 59E-20	AC-G	FBXL15
PPM1A. 1	4. 55E-24	-0. 22845	0. 1	0. 198	6. 80E-20	AC-G	PPM1A
SNX9. 1	4. 59E-24	-0. 26402	0. 107	0. 205	6. 86E-20	AC-G	SNX9
RASGRP3	4. 79E-24	-0. 29046	0. 015	0. 079	7. 15E-20	AC-G	RASGRP3
UGDH. 1	4. 98E-24	0. 353293	0. 227	0. 145	7. 45E-20	AC-G	UGDH
TMEM19. 1	5. 32E-24	-0. 23067	0. 076	0. 167	7. 95E-20	AC-G	TMEM19
CDC123. 1	5. 45E-24	-0. 17029	0. 232	0. 357	8. 15E-20	AC-G	CDC123
LRMP	5. 56E-24	-0. 22795	0. 001	0. 053	8. 31E-20	AC-G	LRMP
AGAP2. 1	5. 61E-24	-0. 18277	0. 007	0. 065	8. 39E-20	AC-G	AGAP2
TMEM178A.	5. 75E-24	-0. 18032	0. 05	0. 132	8. 59E-20	AC-G	TMEM178A
PSMB10. 1	5. 76E-24	-0. 25321	0. 166	0. 272	8. 61E-20	AC-G	PSMB10
CCL3L3	5. 83E-24	-0. 64071	0. 006	0. 063	8. 71E-20	AC-G	CCL3L3
MVB12B. 1	6. 10E-24	-0. 19606	0. 037	0. 112	9. 11E-20	AC-G	MVB12B

GAD1.1	6.18E-24	-0.12643	0.044	0.127	9.24E-20	AC-G	GAD1
C15orf48.	6.40E-24	-0.34444	0.016	0.079	9.57E-20	AC-G	C15orf48
RP11-263K	6.41E-24	0.281636	0.114	0.056	9.58E-20	AC-G	RP11-263K19.4
GNPTG.1	6.42E-24	-0.22938	0.163	0.276	9.59E-20	AC-G	GNPTG
CDC42SE2.	6.48E-24	-0.231	0.131	0.235	9.69E-20	AC-G	CDC42SE2
IFI44.1	6.52E-24	-0.26174	0.103	0.2	9.74E-20	AC-G	IFI44
HNRNPL.1	6.55E-24	-0.2044	0.166	0.283	9.79E-20	AC-G	HNRNPL
TOX.1	6.98E-24	-0.15429	0.027	0.099	1.04E-19	AC-G	TOX
NRBF2.1	7.12E-24	-0.16235	0.173	0.291	1.06E-19	AC-G	NRBF2
TLR7.1	7.16E-24	-0.27845	0.007	0.065	1.07E-19	AC-G	TLR7
NAB1.1	7.26E-24	-0.17015	0.055	0.139	1.09E-19	AC-G	NAB1
MAPK8IP1.	7.27E-24	-0.22154	0.107	0.208	1.09E-19	AC-G	MAPK8IP1
SPC25.1	7.59E-24	-0.18634	0.011	0.071	1.13E-19	AC-G	SPC25
C3orf70.1	7.64E-24	-0.18223	0.037	0.113	1.14E-19	AC-G	C3orf70
GRIA4.1	8.15E-24	-0.20656	0.058	0.143	1.22E-19	AC-G	GRIA4
DHX36.1	8.21E-24	-0.19729	0.315	0.447	1.23E-19	AC-G	DHX36
F2R.1	8.31E-24	-0.16505	0.088	0.184	1.24E-19	AC-G	F2R
GAK.1	8.31E-24	-0.22085	0.08	0.173	1.24E-19	AC-G	GAK
CTCF.1	8.37E-24	-0.19666	0.085	0.179	1.25E-19	AC-G	CTCF
CADM4.1	8.49E-24	-0.21204	0.167	0.282	1.27E-19	AC-G	CADM4
ARID1B.1	8.99E-24	-0.19492	0.056	0.141	1.34E-19	AC-G	ARID1B
LRRN1.1	9.32E-24	-0.19888	0.042	0.119	1.39E-19	AC-G	LRRN1
TMEM219.1	9.56E-24	-0.14185	0.436	0.584	1.43E-19	AC-G	TMEM219
FLNC	9.57E-24	0.141915	0.059	0.019	1.43E-19	AC-G	FLNC
EPHB2.1	9.73E-24	-0.19601	0.026	0.095	1.45E-19	AC-G	EPHB2
CCNA2.1	9.88E-24	-0.19126	0.008	0.066	1.48E-19	AC-G	CCNA2
CRLF3.1	9.98E-24	-0.19924	0.046	0.126	1.49E-19	AC-G	CRLF3
TRIM13.1	1.04E-23	-0.27106	0.158	0.267	1.56E-19	AC-G	TRIM13
DDR2	1.05E-23	0.23874	0.103	0.048	1.56E-19	AC-G	DDR2
SMIM18.1	1.05E-23	-0.21342	0.011	0.071	1.57E-19	AC-G	SMIM18
ZNF524.1	1.05E-23	-0.17563	0.103	0.204	1.57E-19	AC-G	ZNF524
DLL1	1.08E-23	-0.23638	0.017	0.082	1.61E-19	AC-G	DLL1
DCHS1.1	1.13E-23	-0.13721	0.026	0.096	1.68E-19	AC-G	DCHS1
TMEM156.1	1.14E-23	-0.28288	0.008	0.065	1.70E-19	AC-G	TMEM156
CDK5R1.1	1.15E-23	-0.19182	0.032	0.105	1.72E-19	AC-G	CDK5R1
BIRC3	1.16E-23	0.290876	0.115	0.054	1.74E-19	AC-G	BIRC3
PACS2.1	1.19E-23	-0.26195	0.063	0.149	1.78E-19	AC-G	PACS2
PLXNC1.1	1.20E-23	-0.20173	0.014	0.076	1.80E-19	AC-G	PLXNC1
ZNF33A.1	1.21E-23	-0.21497	0.038	0.113	1.81E-19	AC-G	ZNF33A
SCPEP1	1.28E-23	-0.28269	0.257	0.364	1.91E-19	AC-G	SCPEP1
GNG2.1	1.34E-23	-0.21513	0.098	0.195	2.00E-19	AC-G	GNG2
ZMYND8.1	1.36E-23	-0.20174	0.12	0.225	2.03E-19	AC-G	ZMYND8
TBC1D14.1	1.37E-23	-0.24854	0.093	0.186	2.05E-19	AC-G	TBC1D14
MAP3K11.1	1.37E-23	-0.22296	0.102	0.198	2.05E-19	AC-G	MAP3K11
SNRPN.1	1.40E-23	0.453166	0.158	0.087	2.09E-19	AC-G	SNRPN
TGFB2.1	1.42E-23	0.228318	0.117	0.057	2.13E-19	AC-G	TGFB2
PTEN.1	1.48E-23	-0.23921	0.06	0.143	2.21E-19	AC-G	PTEN
EIF4B.1	1.50E-23	-0.2028	0.27	0.399	2.24E-19	AC-G	EIF4B
SPATC1L.1	1.57E-23	-0.20927	0.112	0.21	2.34E-19	AC-G	SPATC1L
CSNK1A1.1	1.62E-23	-0.18387	0.428	0.583	2.42E-19	AC-G	CSNK1A1
RTN1.1	1.67E-23	-0.29906	0.069	0.157	2.49E-19	AC-G	RTN1

TBC1D1.1	1.	6.8E-23	-0.22673	0.054	0.136	2.51E-19	AC-G	TBC1D1
G6PD	1.	7.5E-23	-0.17074	0.138	0.246	2.62E-19	AC-G	G6PD
TBC1D7.1	1.	8.3E-23	-0.18281	0.084	0.178	2.74E-19	AC-G	TBC1D7
C8orf82.1	1.	9.6E-23	-0.18536	0.091	0.187	2.94E-19	AC-G	C8orf82
SCN1B.1	2.	1.1E-23	-0.22882	0.017	0.081	3.15E-19	AC-G	SCN1B
LINC01114	2.	4.1E-23	0.165648	0.07	0.026	3.60E-19	AC-G	LINC01114
TMCC1.1	2.	4.5E-23	-0.159	0.047	0.126	3.66E-19	AC-G	TMCC1
C16orf89	2.	5.7E-23	0.183486	0.046	0.013	3.84E-19	AC-G	C16orf89
SPN.1	2.	6.8E-23	-0.24214	0.008	0.065	4.00E-19	AC-G	SPN
SMIM7.1	2.	6.9E-23	0.316676	0.556	0.495	4.01E-19	AC-G	SMIM7
CCDC167	2.	7.0E-23	-0.13044	0.271	0.404	4.04E-19	AC-G	CCDC167
TMC8	2.	7.2E-23	-0.21339	0.001	0.051	4.06E-19	AC-G	TMC8
SMURF2.1	2.	7.4E-23	-0.18827	0.056	0.139	4.10E-19	AC-G	SMURF2
NUDT5	2.	7.4E-23	-0.19585	0.206	0.325	4.10E-19	AC-G	NUDT5
CHMP3	2.	7.8E-23	-0.13834	0.268	0.4	4.16E-19	AC-G	CHMP3
TNFRSF21.	2.	8.4E-23	-0.21214	0.085	0.178	4.25E-19	AC-G	TNFRSF21
DNAH9	3.	0.2E-23	0.124005	0.062	0.021	4.52E-19	AC-G	DNAH9
IMPAD1	3.	0.9E-23	-0.16158	0.102	0.203	4.62E-19	AC-G	IMPAD1
DHX9.1	3.	1.1E-23	-0.17194	0.18	0.297	4.64E-19	AC-G	DHX9
SFMBT2.1	3.	1.4E-23	-0.32446	0.022	0.088	4.70E-19	AC-G	SFMBT2
NFIA.1	3.	1.8E-23	-0.17647	0.276	0.399	4.76E-19	AC-G	NFIA
C1orf167	3.	2.3E-23	0.12336	0.026	0.004	4.82E-19	AC-G	C1orf167
ALDH16A1.	3.	3.7E-23	-0.2183	0.052	0.133	5.03E-19	AC-G	ALDH16A1
R3HDM1	3.	4.2E-23	-0.1476	0.057	0.141	5.11E-19	AC-G	R3HDM1
CDC20	3.	4.6E-23	-0.25557	0.016	0.078	5.17E-19	AC-G	CDC20
BOK.1	3.	4.7E-23	-0.18032	0.021	0.087	5.19E-19	AC-G	BOK
NUF2.1	3.	5.2E-23	-0.20994	0.012	0.072	5.26E-19	AC-G	NUF2
SLTM.1	3.	5.4E-23	-0.17237	0.239	0.371	5.29E-19	AC-G	SLTM
DIP2B.1	3.	6.5E-23	-0.17612	0.051	0.132	5.45E-19	AC-G	DIP2B
TGIF2	3.	7.2E-23	-0.15195	0.026	0.095	5.56E-19	AC-G	TGIF2
CCNB2.1	3.	7.5E-23	-0.24062	0.013	0.073	5.61E-19	AC-G	CCNB2
HEXDC.1	3.	7.9E-23	-0.17771	0.047	0.126	5.67E-19	AC-G	HEXDC
MOB3B.1	3.	8.6E-23	-0.21958	0.034	0.106	5.77E-19	AC-G	MOB3B
TRAK1.1	3.	8.8E-23	-0.16683	0.035	0.108	5.81E-19	AC-G	TRAK1
CSNK1G2.1	3.	8.9E-23	-0.16868	0.069	0.157	5.82E-19	AC-G	CSNK1G2
LDOC1.1	3.	9.2E-23	0.294091	0.147	0.076	5.85E-19	AC-G	LDOC1
USP3.1	3.	9.4E-23	-0.18147	0.086	0.181	5.89E-19	AC-G	USP3
UBASH3B.1	4.	2.0E-23	-0.13756	0.02	0.086	6.28E-19	AC-G	UBASH3B
DYNLT3	4.	2.0E-23	0.328802	0.365	0.281	6.28E-19	AC-G	DYNLT3
MYEF2.1	4.	3.3E-23	-0.20088	0.111	0.209	6.47E-19	AC-G	MYEF2
MFAP4	4.	4.5E-23	0.308929	0.1	0.045	6.65E-19	AC-G	MFAP4
NDRG3.1	4.	4.9E-23	-0.15463	0.097	0.193	6.71E-19	AC-G	NDRG3
NCOA6.1	4.	6.2E-23	-0.15334	0.063	0.15	6.91E-19	AC-G	NCOA6
MPEG1	4.	6.4E-23	-0.20231	0.001	0.05	6.94E-19	AC-G	MPEG1
GGA2.1	4.	7.1E-23	-0.28643	0.069	0.153	7.04E-19	AC-G	GGA2
PIK3R3	4.	8.0E-23	-0.10959	0.06	0.146	7.17E-19	AC-G	PIK3R3
DTNB.1	4.	8.4E-23	-0.20414	0.035	0.107	7.23E-19	AC-G	DTNB
TAF11	5.	0.5E-23	-0.17375	0.178	0.295	7.54E-19	AC-G	TAF11
PFDN4.1	5.	0.8E-23	-0.17452	0.254	0.38	7.59E-19	AC-G	PFDN4
SRRD.1	5.	3.0E-23	-0.14423	0.049	0.129	7.92E-19	AC-G	SRRD
MOB3A.1	5.	3.9E-23	-0.21135	0.086	0.178	8.06E-19	AC-G	MOB3A

PPIB	5.53E-23	0.295183	0.709	0.727	8.26E-19	AC-G	PPIB
TMEM35.1	5.58E-23	-0.21449	0.032	0.103	8.34E-19	AC-G	TMEM35
KLRC2.1	5.75E-23	-0.30759	0.047	0.122	8.60E-19	AC-G	KLRC2
EHMT2.1	6.51E-23	-0.19894	0.116	0.217	9.73E-19	AC-G	EHMT2
INSIG1.1	6.56E-23	-0.21705	0.137	0.244	9.81E-19	AC-G	INSIG1
INF2.1	6.61E-23	-0.2262	0.028	0.097	9.88E-19	AC-G	INF2
CLK1.1	6.63E-23	-0.22286	0.324	0.442	9.90E-19	AC-G	CLK1
SNX20	6.78E-23	-0.20603	0.002	0.053	1.01E-18	AC-G	SNX20
TECR.1	7.11E-23	0.3131	0.579	0.535	1.06E-18	AC-G	TECR
CD300LF	7.15E-23	-0.2126	0.003	0.054	1.07E-18	AC-G	CD300LF
PGAP1.1	7.18E-23	-0.16913	0.101	0.199	1.07E-18	AC-G	PGAP1
AURKA.1	7.33E-23	-0.22288	0.022	0.088	1.09E-18	AC-G	AURKA
ADA.1	7.33E-23	-0.16197	0.033	0.104	1.10E-18	AC-G	ADA
ZMYM4.1	7.49E-23	-0.15151	0.056	0.139	1.12E-18	AC-G	ZMYM4
ADIPOR1.1	7.72E-23	-0.22487	0.272	0.401	1.15E-18	AC-G	ADIPOR1
ALDH2.1	7.76E-23	-0.26442	0.275	0.389	1.16E-18	AC-G	ALDH2
ZNF395	7.84E-23	0.212991	0.113	0.055	1.17E-18	AC-G	ZNF395
GIT2.1	7.99E-23	-0.21141	0.078	0.168	1.19E-18	AC-G	GIT2
FYN	8.58E-23	-0.20494	0.233	0.344	1.28E-18	AC-G	FYN
ZNF579.1	8.85E-23	-0.12864	0.048	0.127	1.32E-18	AC-G	ZNF579
LMO2.1	9.98E-23	-0.19625	0.089	0.179	1.49E-18	AC-G	LMO2
RAB33A.1	1.00E-22	-0.27824	0.043	0.118	1.49E-18	AC-G	RAB33A
GRSF1.1	1.02E-22	-0.18293	0.224	0.342	1.52E-18	AC-G	GRSF1
DLEU7.1	1.07E-22	-0.252	0.005	0.058	1.60E-18	AC-G	DLEU7
FAM110A.1	1.09E-22	-0.20265	0.02	0.084	1.63E-18	AC-G	FAM110A
PLL.1	1.14E-22	-0.33318	0.017	0.078	1.70E-18	AC-G	PLL
RP1-17K7.	1.15E-22	0.273368	0.102	0.045	1.72E-18	AC-G	RP1-17K7.2
SAMM50.1	1.16E-22	-0.14981	0.126	0.233	1.73E-18	AC-G	SAMM50
PLCB2.1	1.18E-22	-0.25035	0.012	0.071	1.76E-18	AC-G	PLCB2
KANSL1.1	1.19E-22	-0.19516	0.088	0.181	1.78E-18	AC-G	KANSL1
AMER2.1	1.21E-22	-0.33564	0.05	0.127	1.80E-18	AC-G	AMER2
KIAA1211L	1.21E-22	-0.12704	0.008	0.065	1.81E-18	AC-G	KIAA1211L
DRAM2.1	1.24E-22	-0.32637	0.248	0.353	1.85E-18	AC-G	DRAM2
SDF2L1.1	1.28E-22	-0.19886	0.25	0.381	1.91E-18	AC-G	SDF2L1
CELF3.1	1.29E-22	-0.20132	0.015	0.076	1.92E-18	AC-G	CELF3
IDH3G.1	1.30E-22	-0.11357	0.288	0.425	1.94E-18	AC-G	IDH3G
PCIF1.1	1.30E-22	-0.10836	0.069	0.157	1.94E-18	AC-G	PCIF1
USP6NL.1	1.31E-22	-0.13936	0.026	0.094	1.95E-18	AC-G	USP6NL
ATP6VOA1.	1.34E-22	-0.19347	0.189	0.304	2.00E-18	AC-G	ATP6VOA1
NCAM1.1	1.39E-22	-0.21868	0.239	0.354	2.07E-18	AC-G	NCAM1
ATPAF2.1	1.42E-22	-0.17031	0.126	0.23	2.12E-18	AC-G	ATPAF2
ATP8B4	1.44E-22	-0.21085	0.002	0.051	2.15E-18	AC-G	ATP8B4
YDJC.1	1.50E-22	-0.19052	0.071	0.158	2.25E-18	AC-G	YDJC
SYNDIG1.1	1.66E-22	-0.22869	0.031	0.101	2.48E-18	AC-G	SYNDIG1
FAM3C.1	1.67E-22	0.302392	0.483	0.428	2.49E-18	AC-G	FAM3C
NUBP1	1.67E-22	-0.18909	0.131	0.235	2.50E-18	AC-G	NUBP1
PRKD3.1	1.68E-22	-0.18262	0.073	0.161	2.52E-18	AC-G	PRKD3
SCG3.1	1.70E-22	-0.23609	0.177	0.284	2.54E-18	AC-G	SCG3
EXOC5	1.70E-22	-0.17246	0.099	0.195	2.55E-18	AC-G	EXOC5
ZMYM2.1	1.73E-22	-0.23656	0.121	0.221	2.58E-18	AC-G	ZMYM2
IKBK.1	1.75E-22	-0.18201	0.064	0.147	2.62E-18	AC-G	IKBK

DNASE2. 1	1. 83E-22	-0. 19914	0. 284	0. 403	2. 73E-18	AC-G	DNASE2
LRRC45. 1	1. 83E-22	-0. 15561	0. 031	0. 1	2. 73E-18	AC-G	LRRC45
CTBP2	1. 86E-22	-0. 20393	0. 072	0. 158	2. 78E-18	AC-G	CTBP2
ACTL6B. 1	1. 96E-22	-0. 23278	0. 022	0. 087	2. 93E-18	AC-G	ACTL6B
KLHL6. 1	2. 01E-22	-0. 24532	0. 006	0. 059	3. 01E-18	AC-G	KLHL6
EBP. 1	2. 02E-22	-0. 10308	0. 156	0. 27	3. 01E-18	AC-G	EBP
BLOC1S6	2. 03E-22	-0. 23545	0. 169	0. 278	3. 03E-18	AC-G	BLOC1S6
MGST3. 1	2. 04E-22	0. 271752	0. 684	0. 695	3. 05E-18	AC-G	MGST3
B3GAT1. 1	2. 11E-22	-0. 21896	0. 032	0. 101	3. 16E-18	AC-G	B3GAT1
NLGN1. 1	2. 14E-22	-0. 16088	0. 066	0. 152	3. 19E-18	AC-G	NLGN1
ATP13A2. 1	2. 17E-22	-0. 18877	0. 069	0. 154	3. 24E-18	AC-G	ATP13A2
MILR1. 1	2. 20E-22	-0. 29352	0. 038	0. 11	3. 28E-18	AC-G	MILR1
QSER1. 1	2. 41E-22	-0. 13287	0. 052	0. 131	3. 60E-18	AC-G	QSER1
CHMP4B. 1	2. 41E-22	-0. 18257	0. 348	0. 475	3. 60E-18	AC-G	CHMP4B
RAB22A. 1	2. 44E-22	-0. 17932	0. 149	0. 256	3. 64E-18	AC-G	RAB22A
KIAA1549.	2. 45E-22	-0. 18181	0. 034	0. 105	3. 67E-18	AC-G	KIAA1549
DYRK3	2. 46E-22	0. 118009	0. 053	0. 017	3. 68E-18	AC-G	DYRK3
LGALS3BP.	2. 56E-22	0. 39514	0. 509	0. 438	3. 83E-18	AC-G	LGALS3BP
CAHM. 1	2. 63E-22	-0. 17574	0. 032	0. 103	3. 93E-18	AC-G	CAHM
ERH. 1	2. 71E-22	0. 306223	0. 726	0. 711	4. 05E-18	AC-G	ERH
KIAA0040	2. 78E-22	0. 14708	0. 088	0. 037	4. 16E-18	AC-G	KIAA0040
IRAK1. 1	2. 79E-22	-0. 23725	0. 084	0. 173	4. 17E-18	AC-G	IRAK1
C14orf80.	2. 81E-22	-0. 14738	0. 015	0. 075	4. 20E-18	AC-G	C14orf80
FBXW5. 1	2. 87E-22	-0. 24813	0. 196	0. 306	4. 30E-18	AC-G	FBXW5
KLHL13. 1	3. 08E-22	-0. 14004	0. 038	0. 111	4. 60E-18	AC-G	KLHL13
CENPK	3. 20E-22	-0. 20342	0. 039	0. 111	4. 78E-18	AC-G	CENPK
USP15. 1	3. 24E-22	-0. 2637	0. 156	0. 26	4. 83E-18	AC-G	USP15
ADAM19. 1	3. 25E-22	-0. 15755	0. 025	0. 09	4. 85E-18	AC-G	ADAM19
VDAC1. 1	3. 31E-22	0. 284865	0. 652	0. 627	4. 95E-18	AC-G	VDAC1
NIPSNAP1.	3. 34E-22	-0. 16531	0. 091	0. 182	4. 98E-18	AC-G	NIPSNAP1
HELZ. 1	3. 36E-22	-0. 18651	0. 113	0. 212	5. 01E-18	AC-G	HELZ
POLR2B. 1	3. 47E-22	-0. 1921	0. 17	0. 28	5. 19E-18	AC-G	POLR2B
DNAJB12. 1	3. 48E-22	-0. 23007	0. 076	0. 162	5. 20E-18	AC-G	DNAJB12
HOMER3. 1	3. 59E-22	-0. 19137	0. 153	0. 259	5. 36E-18	AC-G	HOMER3
RP6-91H8.	3. 68E-22	-0. 29047	0. 009	0. 065	5. 50E-18	AC-G	RP6-91H8. 3
LILRB2. 1	3. 69E-22	-0. 22346	0. 008	0. 062	5. 52E-18	AC-G	LILRB2
LHFPL3. 1	3. 71E-22	-0. 21225	0. 053	0. 132	5. 55E-18	AC-G	LHFPL3
SFRP1. 1	3. 75E-22	-0. 10332	0. 036	0. 11	5. 60E-18	AC-G	SFRP1
DGAT1. 1	3. 75E-22	-0. 16467	0. 03	0. 099	5. 60E-18	AC-G	DGAT1
CTSA. 1	3. 76E-22	-0. 17038	0. 295	0. 419	5. 61E-18	AC-G	CTSA
TES. 1	3. 83E-22	-0. 24403	0. 004	0. 054	5. 72E-18	AC-G	TES
TTY15. 1	4. 01E-22	-0. 14003	0. 009	0. 064	5. 99E-18	AC-G	TTY15
HNRNPUL2.	4. 28E-22	-0. 18137	0. 087	0. 178	6. 40E-18	AC-G	HNRNPUL2
TCEB2. 1	4. 34E-22	0. 232904	0. 795	0. 829	6. 48E-18	AC-G	TCEB2
IL1RN. 1	4. 43E-22	-0. 29908	0. 022	0. 085	6. 62E-18	AC-G	IL1RN
HIP1R. 1	4. 48E-22	-0. 21161	0. 046	0. 121	6. 69E-18	AC-G	HIP1R
STAT1	4. 50E-22	-0. 2104	0. 143	0. 246	6. 72E-18	AC-G	STAT1
TEN1. 1	4. 54E-22	-0. 15154	0. 098	0. 194	6. 78E-18	AC-G	TEN1
CTBP1. 1	4. 66E-22	-0. 19406	0. 136	0. 239	6. 97E-18	AC-G	CTBP1
CERS6. 1	4. 75E-22	-0. 16295	0. 059	0. 14	7. 10E-18	AC-G	CERS6
KIF9. 1	4. 99E-22	0. 399035	0. 239	0. 162	7. 45E-18	AC-G	KIF9

STIM2	5.01E-22	-0.14001	0.086	0.177	7.49E-18	AC-G	STIM2
PLP1.1	5.02E-22	-0.55693	0.097	0.185	7.50E-18	AC-G	PLP1
WHSC1.1	5.08E-22	-0.18639	0.08	0.167	7.60E-18	AC-G	WHSC1
TBC1D9B.1	5.25E-22	-0.18209	0.084	0.175	7.84E-18	AC-G	TBC1D9B
HOXA2.1	5.26E-22	-0.21784	0.02	0.082	7.86E-18	AC-G	HOXA2
RILP.1	5.69E-22	-0.21127	0.042	0.115	8.50E-18	AC-G	RILP
GGCT.1	5.77E-22	0.464763	0.44	0.376	8.62E-18	AC-G	GGCT
NF2.1	5.83E-22	-0.14955	0.077	0.165	8.71E-18	AC-G	NF2
ARF3.1	6.08E-22	-0.1497	0.268	0.399	9.08E-18	AC-G	ARF3
CMKLR1.1	6.10E-22	-0.21924	0.006	0.058	9.12E-18	AC-G	CMKLR1
RTKN.1	6.16E-22	-0.1363	0.093	0.186	9.21E-18	AC-G	RTKN
AP2A2.1	6.41E-22	-0.27209	0.167	0.268	9.58E-18	AC-G	AP2A2
SECISBP2L	6.48E-22	-0.22367	0.096	0.189	9.68E-18	AC-G	SECISBP2L
PHKB.1	6.56E-22	-0.20539	0.112	0.208	9.80E-18	AC-G	PHKB
WBP1L.1	6.58E-22	-0.25419	0.047	0.121	9.84E-18	AC-G	WBP1L
IGDCC3.1	6.60E-22	-0.11362	0.014	0.072	9.86E-18	AC-G	IGDCC3
ACLY.1	6.71E-22	-0.1406	0.129	0.233	1.00E-17	AC-G	ACLY
CDC42BPB.	6.86E-22	-0.15608	0.053	0.132	1.03E-17	AC-G	CDC42BPB
ZNF292.1	6.91E-22	-0.20565	0.173	0.281	1.03E-17	AC-G	ZNF292
FOXM1	7.23E-22	-0.15259	0.007	0.061	1.08E-17	AC-G	FOXM1
TIMELESS	7.36E-22	-0.12472	0.014	0.072	1.10E-17	AC-G	TIMELESS
SNX27.1	7.38E-22	-0.21701	0.156	0.262	1.10E-17	AC-G	SNX27
CRTAP.1	7.50E-22	-0.22503	0.15	0.253	1.12E-17	AC-G	CRTAP
GIMAP6	7.53E-22	-0.2213	0.002	0.051	1.12E-17	AC-G	GIMAP6
IGFBP7.1	7.96E-22	0.318174	0.345	0.254	1.19E-17	AC-G	IGFBP7
TNKS2.1	8.06E-22	-0.20259	0.047	0.122	1.20E-17	AC-G	TNKS2
MAF.1	8.31E-22	-0.27974	0.068	0.148	1.24E-17	AC-G	MAF
RAD51AP1.	8.66E-22	-0.18355	0.016	0.076	1.29E-17	AC-G	RAD51AP1
SIGLEC14	8.69E-22	-0.22342	0.003	0.053	1.30E-17	AC-G	SIGLEC14
LRRC8D.1	8.71E-22	-0.17112	0.035	0.105	1.30E-17	AC-G	LRRC8D
ZFAND3.1	8.73E-22	-0.1938	0.181	0.29	1.30E-17	AC-G	ZFAND3
NOL3.1	8.88E-22	0.343039	0.23	0.153	1.33E-17	AC-G	NOL3
KCTD20.1	9.03E-22	-0.19325	0.108	0.203	1.35E-17	AC-G	KCTD20
SIAH1.1	9.91E-22	-0.19673	0.142	0.246	1.48E-17	AC-G	SIAH1
HLA-C	1.01E-21	0.234173	0.809	0.802	1.52E-17	AC-G	HLA-C
HMGXB4.1	1.04E-21	-0.19446	0.135	0.239	1.56E-17	AC-G	HMGXB4
HECTD1.1	1.06E-21	-0.18425	0.14	0.245	1.58E-17	AC-G	HECTD1
JDP2.1	1.09E-21	-0.24491	0.019	0.08	1.63E-17	AC-G	JDP2
MAPRE1.1	1.12E-21	-0.1423	0.362	0.5	1.68E-17	AC-G	MAPRE1
LIX1L.1	1.15E-21	-0.16353	0.069	0.153	1.72E-17	AC-G	LIX1L
SFT2D1.1	1.17E-21	-0.17493	0.391	0.523	1.74E-17	AC-G	SFT2D1
GATAD2B.1	1.18E-21	-0.19317	0.086	0.175	1.76E-17	AC-G	GATAD2B
PTPRO.1	1.25E-21	-0.23177	0.025	0.089	1.87E-17	AC-G	PTPRO
PCOLCE2	1.27E-21	0.26885	0.134	0.072	1.90E-17	AC-G	PCOLCE2
SPTSSB	1.34E-21	0.317794	0.073	0.03	2.01E-17	AC-G	SPTSSB
SPRY2.1	1.37E-21	-0.17694	0.134	0.234	2.05E-17	AC-G	SPRY2
SPSB1	1.44E-21	0.248829	0.118	0.059	2.15E-17	AC-G	SPSB1
UROD.1	1.45E-21	0.386827	0.425	0.346	2.17E-17	AC-G	UROD
KHSRP.1	1.47E-21	-0.15333	0.147	0.256	2.20E-17	AC-G	KHSRP
CDIPT-AS1	1.53E-21	0.130492	0.027	0.005	2.28E-17	AC-G	CDIPT-AS1
ACBD5.1	1.58E-21	-0.16731	0.091	0.182	2.36E-17	AC-G	ACBD5

NRP1. 1	1. 64E-21	-0. 18025	0. 089	0. 18	2. 44E-17	AC-G	NRP1
SQSTM1. 1	1. 76E-21	0. 245001	0. 555	0. 517	2. 63E-17	AC-G	SQSTM1
VWA5A. 1	1. 78E-21	0. 259837	0. 145	0. 079	2. 66E-17	AC-G	VWA5A
SOCS2. 1	1. 85E-21	-0. 16352	0. 082	0. 171	2. 76E-17	AC-G	SOCS2
PSPC1. 1	2. 06E-21	-0. 20346	0. 129	0. 227	3. 09E-17	AC-G	PSPC1
BCAN. 1	2. 08E-21	-0. 30257	0. 187	0. 293	3. 12E-17	AC-G	BCAN
ZBTB1. 1	2. 12E-21	-0. 22478	0. 091	0. 179	3. 16E-17	AC-G	ZBTB1
NCL. 1	2. 13E-21	-0. 15935	0. 434	0. 578	3. 19E-17	AC-G	NCL
ANLN	2. 22E-21	-0. 24493	0. 015	0. 072	3. 31E-17	AC-G	ANLN
MMP15. 1	2. 24E-21	-0. 10972	0. 015	0. 073	3. 34E-17	AC-G	MMP15
NSA2. 1	2. 25E-21	-0. 13596	0. 293	0. 419	3. 36E-17	AC-G	NSA2
IL10RB-AS	2. 29E-21	-0. 21896	0. 004	0. 053	3. 42E-17	AC-G	IL10RB-AS1
KCTD17. 1	2. 30E-21	-0. 15978	0. 066	0. 148	3. 44E-17	AC-G	KCTD17
AC074289.	2. 33E-21	-0. 24591	0. 014	0. 07	3. 48E-17	AC-G	AC074289. 1
ABAT. 1	2. 35E-21	-0. 19335	0. 086	0. 174	3. 51E-17	AC-G	ABAT
CCDC109B.	2. 36E-21	-0. 2123	0. 253	0. 367	3. 52E-17	AC-G	CCDC109B
LINC00869	2. 39E-21	0. 194859	0. 042	0. 012	3. 58E-17	AC-G	LINC00869
SKI. 1	2. 43E-21	-0. 1974	0. 079	0. 165	3. 63E-17	AC-G	SKI
KIF3C. 1	2. 54E-21	-0. 14257	0. 042	0. 114	3. 80E-17	AC-G	KIF3C
PAPOLG. 1	2. 55E-21	-0. 21693	0. 034	0. 103	3. 81E-17	AC-G	PAPOLG
NKG7	2. 55E-21	-0. 28914	0. 007	0. 058	3. 81E-17	AC-G	NKG7
MIR497HG	2. 60E-21	0. 281213	0. 115	0. 058	3. 89E-17	AC-G	MIR497HG
MEX3B. 1	2. 61E-21	-0. 16527	0. 015	0. 072	3. 90E-17	AC-G	MEX3B
HSPA9. 1	2. 69E-21	0. 346889	0. 517	0. 482	4. 01E-17	AC-G	HSPA9
TBCC. 1	2. 70E-21	-0. 2372	0. 138	0. 238	4. 03E-17	AC-G	TBCC
TMEM127	2. 78E-21	-0. 20004	0. 078	0. 163	4. 15E-17	AC-G	TMEM127
EGOT	2. 89E-21	0. 110947	0. 022	0. 003	4. 32E-17	AC-G	EGOT
WASF2. 1	2. 92E-21	-0. 22454	0. 333	0. 459	4. 36E-17	AC-G	WASF2
KCNQ1	3. 01E-21	-0. 1937	0. 001	0. 046	4. 50E-17	AC-G	KCNQ1
CREBBP	3. 05E-21	-0. 19266	0. 079	0. 165	4. 56E-17	AC-G	CREBBP
BCKDK. 1	3. 07E-21	-0. 16355	0. 216	0. 333	4. 58E-17	AC-G	BCKDK
R3HDM2. 1	3. 09E-21	-0. 12592	0. 092	0. 182	4. 62E-17	AC-G	R3HDM2
MAP6D1. 1	3. 17E-21	-0. 20392	0. 028	0. 093	4. 74E-17	AC-G	MAP6D1
CHPT1. 1	3. 26E-21	-0. 21476	0. 213	0. 32	4. 88E-17	AC-G	CHPT1
POMC. 1	3. 30E-21	-0. 22671	0. 005	0. 055	4. 93E-17	AC-G	POMC
C20orf27.	3. 41E-21	-0. 14978	0. 262	0. 379	5. 10E-17	AC-G	C20orf27
LINC01094	3. 49E-21	-0. 24561	0. 084	0. 167	5. 21E-17	AC-G	LINC01094
POGZ. 1	3. 60E-21	-0. 18881	0. 128	0. 227	5. 38E-17	AC-G	POGZ
SIK1. 1	3. 64E-21	-0. 30962	0. 042	0. 111	5. 45E-17	AC-G	SIK1
ST8SIA4. 1	3. 83E-21	-0. 24102	0. 055	0. 131	5. 73E-17	AC-G	ST8SIA4
SREBF2	3. 84E-21	-0. 11242	0. 054	0. 133	5. 74E-17	AC-G	SREBF2
EGLN2. 1	3. 88E-21	-0. 18549	0. 191	0. 301	5. 80E-17	AC-G	EGLN2
GSS. 1	4. 19E-21	-0. 12577	0. 151	0. 257	6. 27E-17	AC-G	GSS
HPS4. 1	4. 32E-21	-0. 15419	0. 102	0. 198	6. 46E-17	AC-G	HPS4
TM9SF3. 1	4. 39E-21	-0. 22698	0. 137	0. 236	6. 57E-17	AC-G	TM9SF3
IRF2BPL. 1	4. 40E-21	-0. 19928	0. 154	0. 259	6. 58E-17	AC-G	IRF2BPL
ABCD4. 1	4. 44E-21	-0. 15247	0. 164	0. 274	6. 64E-17	AC-G	ABCD4
OS9. 1	4. 45E-21	-0. 17082	0. 425	0. 557	6. 65E-17	AC-G	OS9
HLA-DQA1.	4. 48E-21	-0. 1767	0. 213	0. 324	6. 69E-17	AC-G	HLA-DQA1
THAP11. 1	4. 49E-21	-0. 18086	0. 099	0. 191	6. 71E-17	AC-G	THAP11
EFCAB14. 1	4. 70E-21	-0. 21971	0. 123	0. 219	7. 02E-17	AC-G	EFCAB14



RPS6KA3.1	4.86E-21	-0.1688	0.068	0.15	7.27E-17	AC-G	RPS6KA3
PACSIN2.1	4.92E-21	-0.18196	0.097	0.189	7.35E-17	AC-G	PACSIN2
CECR1.1	5.26E-21	-0.25087	0.02	0.081	7.87E-17	AC-G	CECR1
PDGFB	5.58E-21	-0.24225	0.005	0.054	8.33E-17	AC-G	PDGFB
PCBP2.1	5.67E-21	-0.145	0.545	0.686	8.47E-17	AC-G	PCBP2
TRAF7.1	5.80E-21	-0.15225	0.111	0.205	8.66E-17	AC-G	TRAF7
RPAIN	5.83E-21	-0.158	0.379	0.506	8.72E-17	AC-G	RPAIN
FPGS.1	5.89E-21	-0.18111	0.079	0.164	8.81E-17	AC-G	FPGS
UBE2Q1	5.96E-21	-0.11922	0.086	0.176	8.91E-17	AC-G	UBE2Q1
HUWE1.1	5.97E-21	-0.18882	0.096	0.187	8.92E-17	AC-G	HUWE1
ALG12.1	6.28E-21	-0.11811	0.034	0.103	9.38E-17	AC-G	ALG12
BMI1.1	6.32E-21	-0.12645	0.07	0.153	9.45E-17	AC-G	BMI1
FSD1.1	6.39E-21	-0.15255	0.082	0.169	9.55E-17	AC-G	FSD1
TUBA1C.1	6.54E-21	0.390504	0.443	0.367	9.77E-17	AC-G	TUBA1C
DCTN1.1	6.74E-21	-0.20389	0.133	0.232	1.01E-16	AC-G	DCTN1
FAM222B.1	7.01E-21	-0.10609	0.05	0.126	1.05E-16	AC-G	FAM222B
TBX15	7.24E-21	0.103102	0.052	0.017	1.08E-16	AC-G	TBX15
IQGAP1.1	7.46E-21	-0.21703	0.165	0.27	1.11E-16	AC-G	IQGAP1
ZNF618.1	7.49E-21	-0.15938	0.006	0.056	1.12E-16	AC-G	ZNF618
NCOA3.1	7.56E-21	-0.2048	0.061	0.138	1.13E-16	AC-G	NCOA3
BCLAF1.1	7.71E-21	-0.15476	0.281	0.405	1.15E-16	AC-G	BCLAF1
FHL3.1	7.93E-21	-0.18864	0.086	0.173	1.18E-16	AC-G	FHL3
CBL.1	8.13E-21	-0.1488	0.043	0.115	1.21E-16	AC-G	CBL
TERF2IP.1	8.17E-21	-0.21061	0.406	0.539	1.22E-16	AC-G	TERF2IP
FAM171A1.1	8.22E-21	-0.15499	0.025	0.087	1.23E-16	AC-G	FAM171A1
PCM1.1	8.28E-21	-0.19097	0.226	0.343	1.24E-16	AC-G	PCM1
DYNC2LI1.1	8.84E-21	0.361207	0.228	0.152	1.32E-16	AC-G	DYNC2LI1
CD52	8.86E-21	-0.39194	0.009	0.06	1.32E-16	AC-G	CD52
FASN.1	8.99E-21	-0.14496	0.053	0.129	1.34E-16	AC-G	FASN
DDX46.1	9.20E-21	-0.142	0.334	0.468	1.38E-16	AC-G	DDX46
STT3B.1	9.25E-21	-0.1722	0.123	0.22	1.38E-16	AC-G	STT3B
SMARCC2.1	9.26E-21	-0.1608	0.172	0.281	1.38E-16	AC-G	SMARCC2
RCAN2	9.34E-21	0.1854	0.084	0.036	1.40E-16	AC-G	RCAN2
NCAN	9.41E-21	-0.21242	0.027	0.09	1.41E-16	AC-G	NCAN
EIF3I.1	9.79E-21	0.28856	0.627	0.597	1.46E-16	AC-G	EIF3I
DMWD.1	9.81E-21	-0.13475	0.072	0.155	1.47E-16	AC-G	DMWD
PPP1R9B	9.92E-21	-0.14278	0.041	0.112	1.48E-16	AC-G	PPP1R9B
AURKB.1	1.02E-20	-0.19777	0.007	0.057	1.52E-16	AC-G	AURKB
MXD3.1	1.06E-20	-0.1892	0.016	0.072	1.59E-16	AC-G	MXD3
CUL3.1	1.08E-20	-0.17561	0.119	0.216	1.61E-16	AC-G	CUL3
DCLK2.1	1.08E-20	-0.15198	0.117	0.212	1.62E-16	AC-G	DCLK2
MAPK10.1	1.08E-20	-0.13946	0.115	0.21	1.62E-16	AC-G	MAPK10
PPP2CB.1	1.10E-20	-0.15444	0.205	0.314	1.64E-16	AC-G	PPP2CB
B3GNT2.1	1.11E-20	-0.15793	0.018	0.076	1.65E-16	AC-G	B3GNT2
RCAN3.1	1.15E-20	-0.15594	0.013	0.068	1.71E-16	AC-G	RCAN3
C7orf73.1	1.17E-20	0.388375	0.581	0.549	1.74E-16	AC-G	C7orf73
BRD2.1	1.26E-20	-0.14109	0.332	0.477	1.88E-16	AC-G	BRD2
SHCBP1.1	1.29E-20	-0.15289	0.009	0.062	1.92E-16	AC-G	SHCBP1
APC.1	1.31E-20	-0.17611	0.13	0.229	1.95E-16	AC-G	APC
NRXN1.1	1.31E-20	-0.32414	0.096	0.176	1.96E-16	AC-G	NRXN1
SERPINE2.1	1.32E-20	0.350693	0.354	0.281	1.98E-16	AC-G	SERPINE2

MYBPC1	1. 35E-20	0. 261234	0. 084	0. 036	2. 02E-16	AC-G	MYBPC1
SOX15	1. 46E-20	0. 239897	0. 119	0. 061	2. 19E-16	AC-G	SOX15
RUNX1. 1	1. 47E-20	-0. 21076	0. 113	0. 205	2. 20E-16	AC-G	RUNX1
HSD11B1	1. 48E-20	0. 231865	0. 054	0. 018	2. 21E-16	AC-G	HSD11B1
TEX29	1. 49E-20	0. 126125	0. 024	0. 004	2. 23E-16	AC-G	TEX29
UBE2J2. 1	1. 54E-20	-0. 19076	0. 236	0. 353	2. 30E-16	AC-G	UBE2J2
KPNB1. 1	1. 55E-20	-0. 13315	0. 338	0. 469	2. 31E-16	AC-G	KPNB1
LHPP. 1	1. 56E-20	-0. 37155	0. 046	0. 117	2. 33E-16	AC-G	LHPP
SF1	1. 61E-20	-0. 15577	0. 388	0. 53	2. 40E-16	AC-G	SF1
TUG1. 1	1. 65E-20	-0. 16801	0. 099	0. 19	2. 47E-16	AC-G	TUG1
TNF	1. 66E-20	-0. 24531	0. 004	0. 051	2. 47E-16	AC-G	TNF
ECHS1	1. 71E-20	-0. 14011	0. 325	0. 456	2. 56E-16	AC-G	ECHS1
SBK1. 1	1. 72E-20	-0. 16151	0. 021	0. 081	2. 56E-16	AC-G	SBK1
CHKA. 1	1. 73E-20	-0. 2516	0. 112	0. 202	2. 59E-16	AC-G	CHKA
MTMR4	1. 73E-20	-0. 14537	0. 087	0. 175	2. 59E-16	AC-G	MTMR4
NECAB3. 1	1. 75E-20	-0. 12337	0. 04	0. 109	2. 61E-16	AC-G	NECAB3
SSH1	1. 75E-20	-0. 20314	0. 03	0. 094	2. 62E-16	AC-G	SSH1
CRLS1. 1	1. 78E-20	-0. 20933	0. 195	0. 301	2. 66E-16	AC-G	CRLS1
GBGT1. 1	1. 86E-20	-0. 20061	0. 008	0. 058	2. 78E-16	AC-G	GBGT1
TMEM86A. 1	1. 87E-20	-0. 17959	0. 006	0. 054	2. 79E-16	AC-G	TMEM86A
SYNCRIP. 1	1. 90E-20	-0. 16287	0. 277	0. 404	2. 85E-16	AC-G	SYNCRIP
RAB11B-AS	1. 91E-20	-0. 14687	0. 065	0. 145	2. 86E-16	AC-G	RAB11B-AS1
CACNA1A. 1	1. 93E-20	-0. 16893	0. 038	0. 107	2. 88E-16	AC-G	CACNA1A
RASGRP1. 1	1. 98E-20	-0. 10158	0. 019	0. 078	2. 96E-16	AC-G	RASGRP1
NONO. 1	2. 01E-20	-0. 1668	0. 347	0. 476	3. 00E-16	AC-G	NONO
RNF220. 1	2. 03E-20	-0. 17318	0. 078	0. 162	3. 03E-16	AC-G	RNF220
IFI44L. 1	2. 09E-20	-0. 37658	0. 076	0. 154	3. 13E-16	AC-G	IFI44L
TRIM8. 1	2. 20E-20	-0. 19143	0. 041	0. 11	3. 30E-16	AC-G	TRIM8
GALM. 1	2. 21E-20	-0. 27798	0. 062	0. 137	3. 30E-16	AC-G	GALM
PPM1B. 1	2. 22E-20	-0. 21515	0. 209	0. 318	3. 31E-16	AC-G	PPM1B
CELF4. 1	2. 33E-20	-0. 27868	0. 038	0. 103	3. 49E-16	AC-G	CELF4
POU2F1. 1	2. 36E-20	-0. 18359	0. 089	0. 175	3. 53E-16	AC-G	POU2F1
ASAP2. 1	2. 45E-20	-0. 10456	0. 038	0. 106	3. 66E-16	AC-G	ASAP2
ARNT2. 1	2. 47E-20	-0. 10376	0. 049	0. 123	3. 70E-16	AC-G	ARNT2
HPSE. 1	2. 48E-20	-0. 24589	0. 013	0. 067	3. 71E-16	AC-G	HPSE
THSD1	2. 52E-20	-0. 10978	0. 037	0. 105	3. 77E-16	AC-G	THSD1
AP3B1. 1	2. 55E-20	-0. 14476	0. 096	0. 185	3. 81E-16	AC-G	AP3B1
DYNC1I2. 1	2. 59E-20	-0. 14582	0. 362	0. 49	3. 87E-16	AC-G	DYNC1I2
PDE4A. 1	2. 73E-20	-0. 17555	0. 034	0. 1	4. 07E-16	AC-G	PDE4A
UBE20. 1	2. 77E-20	-0. 13734	0. 053	0. 129	4. 15E-16	AC-G	UBE20
RFX4	2. 88E-20	0. 397985	0. 209	0. 139	4. 30E-16	AC-G	RFX4
PRR11	2. 89E-20	-0. 14658	0. 017	0. 073	4. 32E-16	AC-G	PRR11
MAN1A1	2. 93E-20	-0. 20341	0. 007	0. 056	4. 37E-16	AC-G	MAN1A1
ZNF655. 1	2. 96E-20	-0. 16483	0. 154	0. 256	4. 42E-16	AC-G	ZNF655
RHOU. 1	2. 98E-20	-0. 2707	0. 07	0. 147	4. 45E-16	AC-G	RHOU
NAP1L4. 1	3. 01E-20	-0. 14898	0. 303	0. 423	4. 50E-16	AC-G	NAP1L4
HNRNPH3. 1	3. 03E-20	-0. 15377	0. 336	0. 467	4. 53E-16	AC-G	HNRNPH3
FAM60A. 1	3. 05E-20	-0. 17709	0. 1	0. 189	4. 55E-16	AC-G	FAM60A
CDCA3	3. 10E-20	-0. 16828	0. 009	0. 061	4. 64E-16	AC-G	CDCA3
RBP7	3. 12E-20	-0. 243	0. 005	0. 053	4. 67E-16	AC-G	RBP7
IVNS1ABP. 3	1.6E-20	-0. 21363	0. 155	0. 254	4. 72E-16	AC-G	IVNS1ABP

TMEM52B.1	3.20E-20	-0.22236	0.006	0.055	4.78E-16	AC-G	TMEM52B
UGT8.1	3.24E-20	-0.25413	0.008	0.058	4.85E-16	AC-G	UGT8
SYNRG	3.48E-20	-0.1266	0.11	0.204	5.20E-16	AC-G	SYNRG
ZFYVE16.1	3.49E-20	-0.22031	0.099	0.186	5.22E-16	AC-G	ZFYVE16
VIPR2.1	3.60E-20	-0.25007	0.03	0.093	5.38E-16	AC-G	VIPR2
NKAIN3.1	3.60E-20	-0.13381	0.06	0.137	5.38E-16	AC-G	NKAIN3
RSF1	3.64E-20	-0.15918	0.312	0.438	5.44E-16	AC-G	RSF1
PHF14.1	3.78E-20	-0.20515	0.322	0.442	5.66E-16	AC-G	PHF14
PLA2G15.1	3.80E-20	-0.26871	0.073	0.151	5.68E-16	AC-G	PLA2G15
TBC1D16	3.85E-20	-0.19779	0.068	0.147	5.76E-16	AC-G	TBC1D16
ACP5.1	3.92E-20	-0.22532	0.007	0.056	5.85E-16	AC-G	ACP5
TET2.1	4.12E-20	-0.20145	0.034	0.099	6.16E-16	AC-G	TET2
TMEM184B	4.17E-20	-0.19214	0.072	0.151	6.23E-16	AC-G	TMEM184B
RENBP.1	4.25E-20	-0.29139	0.071	0.148	6.35E-16	AC-G	RENBP
TFPT.1	4.28E-20	-0.12761	0.212	0.327	6.40E-16	AC-G	TFPT
PCDH19	4.31E-20	-0.10393	0.014	0.069	6.45E-16	AC-G	PCDH19
ZNF148	4.32E-20	-0.14106	0.16	0.266	6.46E-16	AC-G	ZNF148
FUCA2.1	4.33E-20	-0.18385	0.157	0.26	6.48E-16	AC-G	FUCA2
TM7SF3.1	4.34E-20	-0.22999	0.168	0.267	6.49E-16	AC-G	TM7SF3
RBM4.1	4.35E-20	-0.15854	0.137	0.236	6.50E-16	AC-G	RBM4
HRAS.1	4.38E-20	-0.17495	0.204	0.311	6.54E-16	AC-G	HRAS
TMEM189.1	4.39E-20	-0.19038	0.111	0.202	6.56E-16	AC-G	TMEM189
SPG11.1	4.39E-20	-0.18871	0.055	0.128	6.56E-16	AC-G	SPG11
SMARCA5.1	4.55E-20	-0.19957	0.251	0.367	6.81E-16	AC-G	SMARCA5
TRIP12.1	4.59E-20	-0.10641	0.092	0.18	6.86E-16	AC-G	TRIP12
EHD2	5.10E-20	0.234453	0.13	0.072	7.62E-16	AC-G	EHD2
NFKBIE.1	5.22E-20	-0.23146	0.07	0.146	7.79E-16	AC-G	NFKBIE
DNMT3A.1	5.32E-20	-0.14911	0.042	0.112	7.95E-16	AC-G	DNMT3A
SLC38A10.	5.37E-20	-0.20484	0.121	0.214	8.02E-16	AC-G	SLC38A10
SAE1.1	5.72E-20	-0.20806	0.184	0.29	8.55E-16	AC-G	SAE1
RNF144B	5.75E-20	-0.31473	0.042	0.109	8.60E-16	AC-G	RNF144B
RP11-553L	5.84E-20	-0.15381	0.141	0.243	8.72E-16	AC-G	RP11-553L6.5
CSNK1D.1	5.93E-20	-0.17556	0.259	0.379	8.87E-16	AC-G	CSNK1D
MAT2A	5.99E-20	-0.16284	0.283	0.404	8.95E-16	AC-G	MAT2A
VARS.1	6.05E-20	-0.17381	0.087	0.172	9.04E-16	AC-G	VARS
RNF139.1	6.10E-20	-0.20244	0.172	0.271	9.12E-16	AC-G	RNF139
FOXO3.1	6.17E-20	-0.21521	0.187	0.289	9.22E-16	AC-G	FOXO3
TTC7A.1	6.46E-20	-0.22818	0.025	0.084	9.66E-16	AC-G	TTC7A
KMT2E	6.58E-20	-0.15894	0.432	0.558	9.83E-16	AC-G	KMT2E
ASCL2	6.59E-20	-0.17457	0.001	0.044	9.85E-16	AC-G	ASCL2
PARL.1	6.65E-20	-0.17406	0.243	0.356	9.94E-16	AC-G	PARL
IVD.1	6.67E-20	-0.19282	0.121	0.214	9.97E-16	AC-G	IVD
LSM14B.1	6.99E-20	-0.13304	0.042	0.112	1.04E-15	AC-G	LSM14B
DUSP4.1	7.01E-20	-0.1902	0.103	0.194	1.05E-15	AC-G	DUSP4
PPM1F.1	7.16E-20	-0.15162	0.019	0.076	1.07E-15	AC-G	PPM1F
SFT2D2	7.24E-20	-0.22323	0.079	0.161	1.08E-15	AC-G	SFT2D2
PPP1R35.1	7.35E-20	-0.19583	0.088	0.171	1.10E-15	AC-G	PPP1R35
SAP30L.1	7.37E-20	-0.13075	0.037	0.103	1.10E-15	AC-G	SAP30L
CISD1.1	7.54E-20	0.466844	0.393	0.326	1.13E-15	AC-G	CISD1
PIK3R5.1	7.81E-20	-0.19926	0.007	0.055	1.17E-15	AC-G	PIK3R5
C20orf24.	7.84E-20	-0.16247	0.364	0.487	1.17E-15	AC-G	C20orf24

CSRNP3.1	7.96E-20	-0.20937	0.043	0.11	1.19E-15	AC-G	CSRNP3
SOD3	7.97E-20	0.146862	0.076	0.032	1.19E-15	AC-G	SOD3
PIM3.1	8.28E-20	-0.21085	0.116	0.205	1.24E-15	AC-G	PIM3
ZCCHC3.1	8.31E-20	-0.13538	0.046	0.117	1.24E-15	AC-G	ZCCHC3
OPA1.1	8.43E-20	-0.15932	0.065	0.143	1.26E-15	AC-G	OPA1
CS.1	8.70E-20	-0.16528	0.089	0.175	1.30E-15	AC-G	CS
WDR18.1	9.00E-20	-0.18232	0.196	0.303	1.34E-15	AC-G	WDR18
FAM96B.1	9.22E-20	0.251026	0.667	0.656	1.38E-15	AC-G	FAM96B
CDYL.1	9.29E-20	-0.14263	0.053	0.127	1.39E-15	AC-G	CDYL
HCFC1.1	9.34E-20	-0.14392	0.074	0.155	1.40E-15	AC-G	HCFC1
SLC39A10	9.37E-20	-0.16458	0.086	0.171	1.40E-15	AC-G	SLC39A10
ZIC1	9.40E-20	-0.11687	0.052	0.126	1.40E-15	AC-G	ZIC1
SLC14A1	9.51E-20	0.134678	0.027	0.005	1.42E-15	AC-G	SLC14A1
TFEB.1	9.81E-20	-0.20751	0.027	0.087	1.47E-15	AC-G	TFEB
ATP6VOE2.	9.83E-20	-0.14849	0.357	0.471	1.47E-15	AC-G	ATP6VOE2
ETF1A.1	1.02E-19	-0.15798	0.272	0.392	1.52E-15	AC-G	ETF1A
CMPK1.1	1.04E-19	-0.17224	0.308	0.437	1.56E-15	AC-G	CMPK1
TDG.1	1.05E-19	-0.12374	0.18	0.291	1.57E-15	AC-G	TDG
XPO1.1	1.12E-19	-0.16089	0.17	0.276	1.67E-15	AC-G	XPO1
KIFC1.1	1.13E-19	-0.15276	0.014	0.068	1.68E-15	AC-G	KIFC1
APOBR	1.15E-19	-0.18383	0.002	0.045	1.72E-15	AC-G	APOBR
RAD21.1	1.20E-19	-0.16409	0.27	0.385	1.79E-15	AC-G	RAD21
ZMYND15	1.21E-19	-0.16093	0.013	0.065	1.80E-15	AC-G	ZMYND15
SPAST.1	1.21E-19	-0.17077	0.052	0.123	1.81E-15	AC-G	SPAST
TRIM33.1	1.22E-19	-0.17182	0.107	0.198	1.82E-15	AC-G	TRIM33
FAM96A	1.24E-19	-0.13041	0.257	0.376	1.85E-15	AC-G	FAM96A
ID4.1	1.26E-19	-0.21126	0.138	0.23	1.89E-15	AC-G	ID4
RCOR1	1.26E-19	-0.14146	0.022	0.081	1.89E-15	AC-G	RCOR1
GPATCH2L.	1.29E-19	-0.15158	0.139	0.239	1.92E-15	AC-G	GPATCH2L
F3.1	1.29E-19	0.314011	0.254	0.179	1.93E-15	AC-G	F3
PRC1.1	1.30E-19	-0.20713	0.033	0.096	1.94E-15	AC-G	PRC1
RP11-277F	1.36E-19	-0.15485	0.02	0.076	2.04E-15	AC-G	RP11-277P12.20
NTAN1.1	1.39E-19	-0.15778	0.123	0.215	2.08E-15	AC-G	NTAN1
ODF3B.1	1.42E-19	-0.24164	0.039	0.105	2.12E-15	AC-G	ODF3B
BLOC1S4.1	1.43E-19	-0.18557	0.161	0.259	2.13E-15	AC-G	BLOC1S4
LRRC8C.1	1.44E-19	-0.18341	0.015	0.068	2.15E-15	AC-G	LRRC8C
ZNF711.1	1.44E-19	-0.21	0.076	0.155	2.16E-15	AC-G	ZNF711
MAFG.1	1.45E-19	-0.17399	0.109	0.199	2.17E-15	AC-G	MAFG
ICMT.1	1.50E-19	-0.17785	0.068	0.145	2.24E-15	AC-G	ICMT
PPP2R3B.1	1.53E-19	-0.11978	0.02	0.077	2.29E-15	AC-G	PPP2R3B
PRPSAP1.1	1.53E-19	-0.17656	0.216	0.324	2.29E-15	AC-G	PRPSAP1
EMID1.1	1.53E-19	-0.10626	0.023	0.082	2.29E-15	AC-G	EMID1
LINC00882	1.55E-19	0.213784	0.062	0.024	2.32E-15	AC-G	LINC00882
RUNX3	1.57E-19	-0.19806	0.002	0.045	2.34E-15	AC-G	RUNX3
PPP3CB.1	1.57E-19	-0.16981	0.05	0.12	2.35E-15	AC-G	PPP3CB
ARFGEF1.1	1.58E-19	-0.15515	0.061	0.136	2.37E-15	AC-G	ARFGEF1
ALKBH7.1	1.59E-19	-0.15281	0.367	0.492	2.38E-15	AC-G	ALKBH7
PLCG2	1.59E-19	-0.21006	0.007	0.056	2.38E-15	AC-G	PLCG2
RAF1.1	1.65E-19	-0.16645	0.188	0.294	2.47E-15	AC-G	RAF1
NUDC.1	1.67E-19	0.265743	0.597	0.576	2.50E-15	AC-G	NUDC
CEP68.1	1.69E-19	-0.15458	0.083	0.165	2.53E-15	AC-G	CEP68

NSMCE4A.1	1.71E-19	-0.2076	0.085	0.166	2.55E-15	AC-G	NSMCE4A
GPC4	1.71E-19	0.155315	0.092	0.044	2.55E-15	AC-G	GPC4
NCAPH2.1	1.72E-19	-0.16806	0.066	0.142	2.57E-15	AC-G	NCAPH2
UBE2M.1	1.74E-19	-0.11002	0.145	0.247	2.60E-15	AC-G	UBE2M
CALR.1	1.75E-19	0.263578	0.683	0.694	2.62E-15	AC-G	CALR
PTGES3	1.76E-19	0.21118	0.707	0.721	2.63E-15	AC-G	PTGES3
CA14.1	1.76E-19	-0.18553	0.009	0.059	2.63E-15	AC-G	CA14
TRIM38	1.84E-19	-0.23083	0.042	0.109	2.74E-15	AC-G	TRIM38
NEMF	1.90E-19	-0.17478	0.23	0.346	2.85E-15	AC-G	NEMF
HERC2.1	1.93E-19	-0.17192	0.111	0.203	2.89E-15	AC-G	HERC2
BATF	2.05E-19	-0.18543	0.002	0.045	3.07E-15	AC-G	BATF
REST.1	2.06E-19	-0.18529	0.122	0.213	3.08E-15	AC-G	REST
CCAR1.1	2.08E-19	-0.19018	0.166	0.266	3.11E-15	AC-G	CCAR1
SMC4.1	2.09E-19	-0.27209	0.136	0.226	3.13E-15	AC-G	SMC4
PHPT1.1	2.11E-19	0.258439	0.643	0.653	3.16E-15	AC-G	PHPT1
MANBA.1	2.16E-19	-0.28871	0.061	0.132	3.23E-15	AC-G	MANBA
TROAP.1	2.22E-19	-0.14752	0.007	0.054	3.32E-15	AC-G	TROAP
PSTPIP2	2.29E-19	-0.14622	0.006	0.052	3.42E-15	AC-G	PSTPIP2
AC109826.1	2.34E-19	-0.20202	0.002	0.044	3.49E-15	AC-G	AC109826.1
SRSF6.1	2.36E-19	-0.16555	0.26	0.378	3.52E-15	AC-G	SRSF6
UFD1L.1	2.36E-19	-0.17217	0.235	0.349	3.53E-15	AC-G	UFD1L
JAG1	2.37E-19	-0.1219	0.086	0.173	3.54E-15	AC-G	JAG1
GAMT.1	2.38E-19	-0.18291	0.21	0.317	3.56E-15	AC-G	GAMT
ST3GAL4.1	2.45E-19	-0.16478	0.06	0.134	3.67E-15	AC-G	ST3GAL4
PLSCR4	2.54E-19	0.219222	0.085	0.039	3.80E-15	AC-G	PLSCR4
CAMSAP1.1	2.54E-19	-0.17502	0.032	0.094	3.80E-15	AC-G	CAMSAP1
SP3.1	2.55E-19	-0.18915	0.132	0.225	3.81E-15	AC-G	SP3
CDK19.1	2.60E-19	-0.1964	0.063	0.138	3.88E-15	AC-G	CDK19
HAS2	2.60E-19	0.279612	0.092	0.045	3.89E-15	AC-G	HAS2
ATF7IP2	2.63E-19	-0.21864	0.004	0.049	3.94E-15	AC-G	ATF7IP2
RAB4B.1	2.68E-19	-0.16559	0.176	0.279	4.01E-15	AC-G	RAB4B
C21orf58	2.71E-19	-0.13112	0.011	0.061	4.05E-15	AC-G	C21orf58
SYT17	2.72E-19	-0.13926	0.088	0.173	4.07E-15	AC-G	SYT17
POLR2F.1	2.82E-19	-0.14156	0.438	0.562	4.22E-15	AC-G	POLR2F
CXCL3	2.92E-19	0.316261	0.121	0.063	4.36E-15	AC-G	CXCL3
ZKSCAN1.1	3.01E-19	-0.15852	0.224	0.335	4.49E-15	AC-G	ZKSCAN1
RCBTB2.1	3.02E-19	-0.23271	0.077	0.155	4.52E-15	AC-G	RCBTB2
SGK223	3.12E-19	-0.13014	0.024	0.082	4.66E-15	AC-G	SGK223
KIAA0141.1	3.12E-19	-0.21099	0.06	0.133	4.67E-15	AC-G	KIAA0141
PRKRIR.1	3.16E-19	-0.11141	0.05	0.12	4.73E-15	AC-G	PRKRIR
KIF2C	3.33E-19	-0.14631	0.005	0.051	4.98E-15	AC-G	KIF2C
NIPA2.1	3.34E-19	-0.16106	0.176	0.282	4.99E-15	AC-G	NIPA2
IL4I1.1	3.38E-19	-0.25507	0.019	0.074	5.05E-15	AC-G	IL4I1
CTNND1.1	3.54E-19	-0.18621	0.136	0.23	5.29E-15	AC-G	CTNND1
ZDHHC9.1	3.56E-19	0.324278	0.228	0.156	5.32E-15	AC-G	ZDHHC9
CRYBB1	3.60E-19	-0.21952	0.004	0.049	5.38E-15	AC-G	CRYBB1
C1orf56.1	3.61E-19	-0.2066	0.126	0.217	5.40E-15	AC-G	C1orf56
PDE8A.1	3.68E-19	-0.16783	0.036	0.1	5.50E-15	AC-G	PDE8A
ENPP2	3.69E-19	-0.30692	0.006	0.052	5.51E-15	AC-G	ENPP2
MKRN1.1	3.72E-19	-0.18368	0.309	0.427	5.56E-15	AC-G	MKRN1
POLR2A	3.76E-19	-0.17578	0.131	0.227	5.62E-15	AC-G	POLR2A

STC2	3.76E-19	0.143595	0.079	0.034	5.62E-15	AC-G	STC2
DCP2.1	3.80E-19	-0.19992	0.083	0.164	5.68E-15	AC-G	DCP2
PSMB1.1	3.83E-19	0.273308	0.713	0.727	5.72E-15	AC-G	PSMB1
CRABP2	3.87E-19	0.172721	0.055	0.02	5.78E-15	AC-G	CRABP2
SHROOM2	4.08E-19	-0.11454	0.015	0.067	6.09E-15	AC-G	SHROOM2
NDUFC1.1	4.10E-19	0.316546	0.591	0.545	6.13E-15	AC-G	NDUFC1
TNK2.1	4.13E-19	-0.19711	0.065	0.139	6.18E-15	AC-G	TNK2
AGPAT3.1	4.18E-19	-0.15612	0.066	0.143	6.25E-15	AC-G	AGPAT3
NUP62.1	4.27E-19	-0.16629	0.155	0.253	6.38E-15	AC-G	NUP62
EIF4EBP2.	4.55E-19	-0.20268	0.076	0.153	6.80E-15	AC-G	EIF4EBP2
TPX2	4.57E-19	-0.23553	0.032	0.092	6.83E-15	AC-G	TPX2
CD180	4.67E-19	-0.1676	0.002	0.043	6.97E-15	AC-G	CD180
PCNP.1	4.74E-19	0.276138	0.566	0.531	7.09E-15	AC-G	PCNP
FGD3	4.80E-19	-0.18383	0.003	0.046	7.17E-15	AC-G	FGD3
SDCBP2	4.80E-19	0.168053	0.082	0.037	7.17E-15	AC-G	SDCBP2
COL6A2.1	4.82E-19	0.393752	0.22	0.151	7.20E-15	AC-G	COL6A2
CREB1.1	4.82E-19	-0.17805	0.16	0.257	7.21E-15	AC-G	CREB1
TCF25.1	4.87E-19	-0.12743	0.439	0.573	7.28E-15	AC-G	TCF25
TSPAN13.1	4.92E-19	-0.2547	0.222	0.314	7.35E-15	AC-G	TSPAN13
ARHGEF7.1	5.10E-19	-0.21448	0.09	0.171	7.62E-15	AC-G	ARHGEF7
PVRL2.1	5.23E-19	-0.18954	0.161	0.259	7.82E-15	AC-G	PVRL2
PRKCB	5.26E-19	-0.17442	0.005	0.049	7.85E-15	AC-G	PRKCB
PSEN1.1	5.26E-19	-0.19052	0.106	0.193	7.86E-15	AC-G	PSEN1
FBLN1.1	5.27E-19	-0.19888	0.033	0.095	7.88E-15	AC-G	FBLN1
STOX2.1	5.32E-19	-0.16453	0.038	0.103	7.96E-15	AC-G	STOX2
ENKUR	5.47E-19	0.357045	0.117	0.063	8.17E-15	AC-G	ENKUR
CPSF6.1	5.51E-19	-0.12885	0.236	0.348	8.24E-15	AC-G	CPSF6
PTPN9	5.57E-19	-0.12655	0.062	0.137	8.32E-15	AC-G	PTPN9
CNOT6L.1	5.64E-19	-0.17474	0.05	0.12	8.44E-15	AC-G	CNOT6L
STEAP3.1	5.73E-19	0.416588	0.22	0.15	8.56E-15	AC-G	STEAP3
RP11-76E1	6.17E-19	-0.23756	0.002	0.043	9.22E-15	AC-G	RP11-76E17.3
CREB3L2.1	6.40E-19	-0.18476	0.062	0.136	9.57E-15	AC-G	CREB3L2
CTB-61M7.	6.60E-19	-0.22208	0.003	0.045	9.86E-15	AC-G	CTB-61M7.2
ACAT2.1	6.69E-19	-0.18718	0.19	0.295	9.99E-15	AC-G	ACAT2
PNN.1	6.83E-19	-0.14611	0.301	0.421	1.02E-14	AC-G	PNN
COX6C.1	6.84E-19	0.253247	0.795	0.838	1.02E-14	AC-G	COX6C
LINC01102	6.85E-19	-0.15336	0.023	0.08	1.02E-14	AC-G	LINC01102
RAP1GDS1.	6.96E-19	-0.15694	0.102	0.188	1.04E-14	AC-G	RAP1GDS1
ATCAY.1	7.22E-19	-0.21038	0.061	0.132	1.08E-14	AC-G	ATCAY
RP11-262H	7.54E-19	-0.13871	0.057	0.13	1.13E-14	AC-G	RP11-262H14.4
PTMA.1	7.61E-19	0.16034	0.911	0.978	1.14E-14	AC-G	PTMA
RRBP1.1	7.62E-19	-0.22217	0.211	0.314	1.14E-14	AC-G	RRBP1
ADAMTS9-A	7.70E-19	0.136525	0.042	0.013	1.15E-14	AC-G	ADAMTS9-AS2
ELOVL1.1	7.84E-19	-0.1581	0.149	0.247	1.17E-14	AC-G	ELOVL1
CCM2.1	8.30E-19	-0.1587	0.193	0.301	1.24E-14	AC-G	CCM2
ZFP36L2.1	8.50E-19	-0.19624	0.391	0.54	1.27E-14	AC-G	ZFP36L2
SNRPD3.1	8.57E-19	-0.11748	0.311	0.434	1.28E-14	AC-G	SNRPD3
MBOAT7.1	8.67E-19	-0.17843	0.16	0.259	1.30E-14	AC-G	MBOAT7
EFEMP2	8.78E-19	0.422564	0.27	0.203	1.31E-14	AC-G	EFEMP2
RBM38.1	8.80E-19	-0.12841	0.07	0.148	1.32E-14	AC-G	RBM38
PHACTR4.1	8.83E-19	-0.16783	0.124	0.217	1.32E-14	AC-G	PHACTR4

MTUS1.1	8.87E-19	-0.22422	0.082	0.16	1.33E-14	AC-G	MTUS1
COX6B1.1	8.95E-19	0.213088	0.805	0.854	1.34E-14	AC-G	COX6B1
ADAMDEC1	8.98E-19	-0.18556	0.002	0.044	1.34E-14	AC-G	ADAMDEC1
GTSE1	9.00E-19	-0.17097	0.015	0.066	1.34E-14	AC-G	GTSE1
FXYD7.1	9.01E-19	-0.25911	0.029	0.087	1.35E-14	AC-G	FXYD7
TXNL1	9.07E-19	0.348021	0.509	0.464	1.36E-14	AC-G	TXNL1
ARGLU1.1	9.09E-19	-0.18301	0.361	0.489	1.36E-14	AC-G	ARGLU1
NLRP1.1	9.21E-19	-0.14603	0.248	0.356	1.38E-14	AC-G	NLRP1
CENPE.1	9.23E-19	-0.20129	0.013	0.063	1.38E-14	AC-G	CENPE
BBS2.1	9.38E-19	0.350202	0.234	0.16	1.40E-14	AC-G	BBS2
BAG1.1	9.64E-19	-0.21478	0.26	0.37	1.44E-14	AC-G	BAG1
ANK2.1	9.89E-19	-0.12416	0.092	0.178	1.48E-14	AC-G	ANK2
PLEKHG2.1	1.00E-18	-0.16575	0.019	0.073	1.50E-14	AC-G	PLEKHG2
GM2A.1	1.02E-18	-0.27245	0.08	0.156	1.53E-14	AC-G	GM2A
IL7R.1	1.03E-18	-0.26246	0.012	0.061	1.54E-14	AC-G	IL7R
ARHGAP26.1	1.04E-18	-0.24498	0.039	0.102	1.56E-14	AC-G	ARHGAP26
TOR2A.1	1.06E-18	-0.18638	0.082	0.16	1.58E-14	AC-G	TOR2A
ARPC4.1	1.06E-18	-0.10841	0.402	0.535	1.58E-14	AC-G	ARPC4
POMGNT1.1	1.09E-18	-0.13679	0.173	0.275	1.62E-14	AC-G	POMGNT1
INA	1.09E-18	-0.15975	0.005	0.049	1.64E-14	AC-G	INA
APOE.1	1.10E-18	-0.10701	0.528	0.716	1.64E-14	AC-G	APOE
SYT11.1	1.11E-18	-0.17399	0.297	0.401	1.66E-14	AC-G	SYT11
YIF1A.1	1.12E-18	0.346902	0.47	0.415	1.67E-14	AC-G	YIF1A
TP53I11.1	1.14E-18	-0.16873	0.025	0.082	1.70E-14	AC-G	TP53I11
AGTRAP.1	1.16E-18	0.494652	0.34	0.27	1.74E-14	AC-G	AGTRAP
RP11-25K1	1.18E-18	-0.14301	0.044	0.111	1.76E-14	AC-G	RP11-25K19.1
RMDN3.1	1.18E-18	-0.16168	0.158	0.256	1.77E-14	AC-G	RMDN3
NUP50.1	1.22E-18	-0.15628	0.057	0.129	1.82E-14	AC-G	NUP50
ASGR1.1	1.23E-18	-0.13208	0.025	0.082	1.84E-14	AC-G	ASGR1
SNRPB	1.26E-18	-0.12433	0.481	0.596	1.88E-14	AC-G	SNRPB
PPP2CA.1	1.36E-18	-0.1497	0.368	0.501	2.03E-14	AC-G	PPP2CA
RUFY3.1	1.36E-18	-0.19878	0.217	0.323	2.03E-14	AC-G	RUFY3
PDE6D.1	1.37E-18	-0.15047	0.114	0.203	2.05E-14	AC-G	PDE6D
SDCCAG8.1	1.39E-18	-0.18203	0.239	0.347	2.07E-14	AC-G	SDCCAG8
TRIOBP	1.40E-18	-0.129	0.036	0.099	2.09E-14	AC-G	TRIOBP
COX5B.1	1.41E-18	0.194636	0.812	0.855	2.10E-14	AC-G	COX5B
DR1.1	1.42E-18	-0.18015	0.154	0.25	2.12E-14	AC-G	DR1
UBE2H.1	1.43E-18	-0.17981	0.175	0.275	2.13E-14	AC-G	UBE2H
ATP8A1	1.43E-18	-0.17248	0.006	0.05	2.13E-14	AC-G	ATP8A1
RNFT2.1	1.43E-18	-0.12182	0.022	0.078	2.14E-14	AC-G	RNFT2
ST18	1.44E-18	-0.18279	0.004	0.046	2.15E-14	AC-G	ST18
CDS2.1	1.46E-18	-0.14468	0.163	0.264	2.18E-14	AC-G	CDS2
ATRN	1.46E-18	-0.12828	0.062	0.136	2.19E-14	AC-G	ATRN
STK17B.1	1.52E-18	-0.34043	0.073	0.144	2.26E-14	AC-G	STK17B
RP3-428L1	1.53E-18	-0.12498	0.023	0.079	2.28E-14	AC-G	RP3-428L16.2
MYT1L.1	1.55E-18	-0.19785	0.016	0.067	2.32E-14	AC-G	MYT1L
HJURP	1.55E-18	-0.14769	0.004	0.046	2.32E-14	AC-G	HJURP
TXNL4A.1	1.55E-18	-0.12054	0.315	0.429	2.32E-14	AC-G	TXNL4A
JTB.1	1.57E-18	-0.16214	0.491	0.632	2.34E-14	AC-G	JTB
MYBL2	1.60E-18	-0.11295	0.007	0.052	2.40E-14	AC-G	MYBL2
DVL3.1	1.60E-18	-0.12102	0.085	0.167	2.40E-14	AC-G	DVL3

SNX5	1. 61E-18	-0. 16557	0. 305	0. 412	2. 40E-14	AC-G	SNX5
SAC3D1. 1	1. 61E-18	-0. 15416	0. 099	0. 183	2. 41E-14	AC-G	SAC3D1
ASRGL1. 1	1. 62E-18	-0. 22286	0. 129	0. 215	2. 43E-14	AC-G	ASRGL1
RBM5. 1	1. 63E-18	-0. 1577	0. 19	0. 296	2. 44E-14	AC-G	RBM5
GIMAP5. 1	1. 67E-18	-0. 22618	0. 01	0. 058	2. 49E-14	AC-G	GIMAP5
PES1. 1	1. 68E-18	-0. 15795	0. 117	0. 206	2. 51E-14	AC-G	PES1
SDC2. 1	1. 72E-18	0. 267319	0. 257	0. 18	2. 57E-14	AC-G	SDC2
SMARCAD1. 1	1. 74E-18	-0. 15289	0. 05	0. 118	2. 61E-14	AC-G	SMARCAD1
PHF20L1. 1	1. 75E-18	-0. 17968	0. 216	0. 326	2. 62E-14	AC-G	PHF20L1
CSAD	1. 75E-18	-0. 13602	0. 097	0. 182	2. 62E-14	AC-G	CSAD
ATP9A. 1	1. 79E-18	-0. 13124	0. 053	0. 124	2. 67E-14	AC-G	ATP9A
MARK3. 1	1. 93E-18	-0. 15767	0. 194	0. 305	2. 88E-14	AC-G	MARK3
PSMB3. 1	1. 93E-18	0. 320557	0. 701	0. 704	2. 89E-14	AC-G	PSMB3
TK2. 1	1. 98E-18	-0. 18652	0. 063	0. 136	2. 96E-14	AC-G	TK2
SETX. 1	1. 98E-18	-0. 20731	0. 098	0. 179	2. 97E-14	AC-G	SETX
TP53INP2. 1	1. 99E-18	-0. 15478	0. 041	0. 105	2. 98E-14	AC-G	TP53INP2
BCAT1. 1	2. 03E-18	-0. 15992	0. 149	0. 247	3. 04E-14	AC-G	BCAT1
PSENN. 1	2. 07E-18	0. 383592	0. 525	0. 486	3. 10E-14	AC-G	PSENN
RIN2. 1	2. 12E-18	-0. 29019	0. 067	0. 137	3. 16E-14	AC-G	RIN2
FAM53B. 1	2. 13E-18	-0. 19157	0. 011	0. 059	3. 19E-14	AC-G	FAM53B
APPL1. 1	2. 23E-18	-0. 19055	0. 207	0. 312	3. 34E-14	AC-G	APPL1
GAB1. 1	2. 28E-18	-0. 15961	0. 046	0. 112	3. 40E-14	AC-G	GAB1
YWHAG. 1	2. 28E-18	-0. 13335	0. 29	0. 41	3. 41E-14	AC-G	YWHAG
GPC6	2. 31E-18	0. 238015	0. 076	0. 034	3. 45E-14	AC-G	GPC6
MAG	2. 33E-18	-0. 37916	0. 003	0. 044	3. 49E-14	AC-G	MAG
NDC80	2. 34E-18	-0. 16161	0. 009	0. 055	3. 50E-14	AC-G	NDC80
MITF	2. 38E-18	-0. 24784	0. 041	0. 104	3. 56E-14	AC-G	MITF
ARFGAP2. 1	2. 40E-18	-0. 16652	0. 205	0. 309	3. 58E-14	AC-G	ARFGAP2
RDH11. 1	2. 44E-18	-0. 14712	0. 288	0. 407	3. 64E-14	AC-G	RDH11
ISG15. 1	2. 47E-18	-0. 21854	0. 264	0. 375	3. 69E-14	AC-G	ISG15
EIF3E	2. 48E-18	-0. 12376	0. 523	0. 671	3. 71E-14	AC-G	EIF3E
UBXN2B. 1	2. 56E-18	-0. 15916	0. 084	0. 164	3. 82E-14	AC-G	UBXN2B
ATRAID. 1	2. 60E-18	0. 326382	0. 621	0. 609	3. 89E-14	AC-G	ATRAID
IFNAR2. 1	2. 64E-18	-0. 17428	0. 124	0. 214	3. 95E-14	AC-G	IFNAR2
TAL1	2. 65E-18	-0. 19718	0. 001	0. 041	3. 97E-14	AC-G	TAL1
ARL11	2. 70E-18	-0. 1896	0. 004	0. 046	4. 03E-14	AC-G	ARL11
MAP3K3. 1	2. 71E-18	-0. 16956	0. 019	0. 073	4. 04E-14	AC-G	MAP3K3
CAPNS1	2. 75E-18	-0. 12178	0. 242	0. 358	4. 11E-14	AC-G	CAPNS1
SSB. 1	2. 85E-18	0. 278801	0. 611	0. 588	4. 26E-14	AC-G	SSB
MLF2. 1	2. 89E-18	0. 244289	0. 639	0. 603	4. 32E-14	AC-G	MLF2
NME3. 1	2. 96E-18	-0. 13226	0. 315	0. 437	4. 43E-14	AC-G	NME3
RP11-126K	2. 98E-18	-0. 12658	0. 038	0. 102	4. 45E-14	AC-G	RP11-126K1. 6
ETNK1. 1	3. 00E-18	-0. 18647	0. 146	0. 238	4. 48E-14	AC-G	ETNK1
ATM. 1	3. 03E-18	-0. 24048	0. 118	0. 203	4. 53E-14	AC-G	ATM
ACAP2. 1	3. 08E-18	-0. 17252	0. 107	0. 192	4. 61E-14	AC-G	ACAP2
YTHDC1. 1	3. 10E-18	-0. 17791	0. 212	0. 32	4. 63E-14	AC-G	YTHDC1
CBX6. 1	3. 13E-18	-0. 13867	0. 157	0. 256	4. 67E-14	AC-G	CBX6
TAB2	3. 17E-18	-0. 18328	0. 065	0. 138	4. 73E-14	AC-G	TAB2
MAPK4	3. 22E-18	0. 144041	0. 048	0. 017	4. 82E-14	AC-G	MAPK4
TCEA2. 1	3. 32E-18	-0. 19751	0. 287	0. 384	4. 96E-14	AC-G	TCEA2
TOM1. 1	3. 37E-18	-0. 2159	0. 094	0. 173	5. 03E-14	AC-G	TOM1



ARHGAP24.	3.46E-18	-0.35113	0.087	0.16	5.17E-14	AC-G	ARHGAP24
ZNF513.1	3.51E-18	-0.10508	0.026	0.083	5.24E-14	AC-G	ZNF513
ZNF827.1	3.54E-18	-0.12628	0.056	0.126	5.28E-14	AC-G	ZNF827
MINK1.1	3.57E-18	-0.16877	0.048	0.115	5.33E-14	AC-G	MINK1
SRA1.1	3.64E-18	-0.12772	0.301	0.417	5.44E-14	AC-G	SRA1
ASPSCR1.1	3.66E-18	-0.15147	0.154	0.252	5.48E-14	AC-G	ASPSCR1
ARRB1	3.83E-18	-0.19144	0.005	0.048	5.72E-14	AC-G	ARRB1
BRD9.1	3.94E-18	-0.18753	0.121	0.208	5.89E-14	AC-G	BRD9
C16orf72.	3.97E-18	-0.12295	0.065	0.14	5.93E-14	AC-G	C16orf72
ADAM17.1	4.05E-18	-0.21267	0.175	0.271	6.06E-14	AC-G	ADAM17
ICOSLG.1	4.09E-18	-0.28052	0.04	0.101	6.11E-14	AC-G	ICOSLG
ID2	4.09E-18	-0.14647	0.539	0.676	6.12E-14	AC-G	ID2
NCKAP5L.1	4.21E-18	-0.20663	0.056	0.126	6.29E-14	AC-G	NCKAP5L
GDI1.1	4.22E-18	-0.14854	0.388	0.505	6.31E-14	AC-G	GDI1
PMP22.1	4.28E-18	0.250346	0.509	0.412	6.40E-14	AC-G	PMP22
SLC22A17.	4.32E-18	-0.15166	0.196	0.301	6.46E-14	AC-G	SLC22A17
EDARADD	4.38E-18	0.147241	0.057	0.022	6.54E-14	AC-G	EDARADD
CKAP2L	4.42E-18	-0.15264	0.008	0.053	6.61E-14	AC-G	CKAP2L
METTL9.1	4.45E-18	-0.17488	0.361	0.489	6.65E-14	AC-G	METTL9
KDM5B.1	4.59E-18	-0.13343	0.093	0.175	6.86E-14	AC-G	KDM5B
PRKCH	4.66E-18	-0.20544	0.007	0.051	6.96E-14	AC-G	PRKCH
ZWILCH.1	4.69E-18	-0.13348	0.027	0.085	7.01E-14	AC-G	ZWILCH
PSIP1.1	4.70E-18	-0.19804	0.284	0.403	7.03E-14	AC-G	PSIP1
PAK7.1	4.72E-18	-0.14912	0.008	0.054	7.06E-14	AC-G	PAK7
CHCHD1.1	4.86E-18	-0.11221	0.184	0.287	7.27E-14	AC-G	CHCHD1
RABAC1.1	4.86E-18	0.270015	0.659	0.665	7.27E-14	AC-G	RABAC1
GPRIN3.1	4.87E-18	-0.2225	0.016	0.067	7.28E-14	AC-G	GPRIN3
PAFAH1B2.	5.02E-18	-0.18155	0.234	0.344	7.51E-14	AC-G	PAFAH1B2
TMTC4	5.08E-18	-0.18426	0.044	0.109	7.59E-14	AC-G	TMTC4
MFSD3.1	5.18E-18	-0.13219	0.061	0.131	7.75E-14	AC-G	MFSD3
KIF20B.1	5.20E-18	-0.20473	0.036	0.097	7.77E-14	AC-G	KIF20B
PLXND1.1	5.24E-18	-0.22871	0.045	0.108	7.83E-14	AC-G	PLXND1
DDX52	5.31E-18	-0.13315	0.161	0.26	7.94E-14	AC-G	DDX52
ACP2.1	5.41E-18	-0.14071	0.162	0.259	8.08E-14	AC-G	ACP2
RABGAP1L.	5.43E-18	-0.22278	0.054	0.121	8.11E-14	AC-G	RABGAP1L
CLEC9A	5.44E-18	-0.24459	0.001	0.039	8.13E-14	AC-G	CLEC9A
STRN4.1	5.44E-18	-0.12826	0.063	0.135	8.13E-14	AC-G	STRN4
MDH2	5.45E-18	0.281249	0.657	0.661	8.15E-14	AC-G	MDH2
IGF2BP3.1	5.48E-18	-0.10727	0.051	0.119	8.19E-14	AC-G	IGF2BP3
CDKN2D.1	5.56E-18	-0.19324	0.094	0.172	8.31E-14	AC-G	CDKN2D
FAM78A	5.57E-18	-0.18017	0.002	0.042	8.32E-14	AC-G	FAM78A
DCAF7.1	5.94E-18	-0.14702	0.23	0.338	8.87E-14	AC-G	DCAF7
CBR4.1	6.08E-18	-0.20098	0.116	0.202	9.08E-14	AC-G	CBR4
NCAPD2.1	6.13E-18	-0.10581	0.019	0.072	9.16E-14	AC-G	NCAPD2
ZFP36	6.22E-18	0.32584	0.631	0.562	9.30E-14	AC-G	ZFP36
SGPP1.1	6.26E-18	-0.1961	0.031	0.088	9.36E-14	AC-G	SGPP1
AGFG1	6.49E-18	-0.14422	0.07	0.143	9.69E-14	AC-G	AGFG1
NRM.1	6.93E-18	-0.16167	0.034	0.094	1.04E-13	AC-G	NRM
RNF111.1	7.07E-18	-0.14038	0.032	0.091	1.06E-13	AC-G	RNF111
NES.1	7.11E-18	-0.22256	0.206	0.289	1.06E-13	AC-G	NES
SGSM2	7.12E-18	-0.11698	0.047	0.114	1.06E-13	AC-G	SGSM2

CPE	7.18E-18	0.354404	0.435	0.381	1.07E-13	AC-G	CPE
TSC22D2.1	7.18E-18	-0.23559	0.092	0.169	1.07E-13	AC-G	TSC22D2
NAGPA	7.19E-18	-0.18901	0.053	0.12	1.07E-13	AC-G	NAGPA
MTRNR2L1	7.22E-18	-0.24969	0.126	0.205	1.08E-13	AC-G	MTRNR2L1
SPATA13.1	7.25E-18	-0.22227	0.098	0.178	1.08E-13	AC-G	SPATA13
STAT6.1	7.33E-18	-0.18667	0.012	0.06	1.10E-13	AC-G	STAT6
DOCK5.1	7.35E-18	-0.23009	0.014	0.063	1.10E-13	AC-G	DOCK5
CDK5.1	7.57E-18	-0.10135	0.156	0.254	1.13E-13	AC-G	CDK5
PRR14L.1	8.03E-18	-0.12525	0.038	0.099	1.20E-13	AC-G	PRR14L
PCF11	8.27E-18	-0.11976	0.129	0.218	1.24E-13	AC-G	PCF11
CCDC107.1	8.28E-18	-0.17884	0.295	0.409	1.24E-13	AC-G	CCDC107
AGFG2	8.43E-18	0.137746	0.075	0.033	1.26E-13	AC-G	AGFG2
ASPM.1	8.47E-18	-0.16925	0.009	0.054	1.27E-13	AC-G	ASPM
ARHGAP27.	8.65E-18	-0.18715	0.014	0.063	1.29E-13	AC-G	ARHGAP27
SOS2.1	8.71E-18	-0.12787	0.033	0.093	1.30E-13	AC-G	SOS2
CDKN3	8.81E-18	-0.2235	0.04	0.102	1.32E-13	AC-G	CDKN3
TRAPPC12.	9.17E-18	-0.18682	0.125	0.212	1.37E-13	AC-G	TRAPPC12
TTL	9.42E-18	-0.15639	0.059	0.129	1.41E-13	AC-G	TTL
C16orf87	9.44E-18	-0.19357	0.13	0.219	1.41E-13	AC-G	C16orf87
SEPT3.1	9.46E-18	-0.1616	0.022	0.076	1.41E-13	AC-G	3-Sep
DIRC2.1	9.52E-18	-0.1441	0.032	0.09	1.42E-13	AC-G	DIRC2
KDM5D	1.00E-17	-0.10548	0.008	0.052	1.49E-13	AC-G	KDM5D
MATR3.1	1.04E-17	-0.16258	0.379	0.507	1.55E-13	AC-G	MATR3
NLK.1	1.06E-17	-0.11422	0.028	0.086	1.58E-13	AC-G	NLK
MPDU1	1.07E-17	-0.15325	0.226	0.335	1.60E-13	AC-G	MPDU1
AP1S1.1	1.09E-17	0.359896	0.501	0.461	1.63E-13	AC-G	AP1S1
ITGB4	1.09E-17	0.175228	0.064	0.027	1.64E-13	AC-G	ITGB4
GPAA1.1	1.10E-17	-0.12592	0.288	0.414	1.65E-13	AC-G	GPAA1
CRB2	1.12E-17	0.349601	0.079	0.037	1.68E-13	AC-G	CRB2
RINT1	1.13E-17	0.186857	0.147	0.085	1.69E-13	AC-G	RINT1
MTMR14.1	1.14E-17	-0.19157	0.145	0.236	1.70E-13	AC-G	MTMR14
PBX3.1	1.14E-17	-0.15436	0.06	0.129	1.71E-13	AC-G	PBX3
PHYHD1	1.15E-17	0.13691	0.053	0.02	1.72E-13	AC-G	PHYHD1
E2F1	1.16E-17	-0.12562	0.014	0.063	1.73E-13	AC-G	E2F1
ZNF652.1	1.17E-17	-0.18428	0.081	0.156	1.75E-13	AC-G	ZNF652
TPST2.1	1.19E-17	-0.17288	0.098	0.181	1.77E-13	AC-G	TPST2
FAM58A.1	1.19E-17	-0.16582	0.089	0.167	1.78E-13	AC-G	FAM58A
USP13.1	1.19E-17	-0.11989	0.026	0.081	1.78E-13	AC-G	USP13
TTC19.1	1.21E-17	-0.17071	0.261	0.374	1.81E-13	AC-G	TTC19
PRELID1.1	1.23E-17	-0.15457	0.433	0.584	1.84E-13	AC-G	PRELID1
STRBP.1	1.23E-17	-0.16504	0.067	0.138	1.84E-13	AC-G	STRBP
ANKIB1.1	1.25E-17	-0.17639	0.134	0.223	1.87E-13	AC-G	ANKIB1
PDS5B.1	1.26E-17	-0.1468	0.098	0.181	1.88E-13	AC-G	PDS5B
SPRED2.1	1.26E-17	-0.10736	0.055	0.125	1.89E-13	AC-G	SPRED2
ZNRF1.1	1.27E-17	-0.11771	0.058	0.127	1.89E-13	AC-G	ZNRF1
SEPT8.1	1.28E-17	-0.21181	0.122	0.21	1.91E-13	AC-G	8-Sep
NELFB.1	1.30E-17	-0.12316	0.083	0.162	1.94E-13	AC-G	NELFB
CTNNAL1.1	1.40E-17	0.265418	0.203	0.136	2.09E-13	AC-G	CTNNAL1
HTT.1	1.40E-17	-0.13148	0.061	0.132	2.10E-13	AC-G	HTT
IKBKB.1	1.41E-17	-0.14528	0.06	0.129	2.10E-13	AC-G	IKBKB
LIPE-AS1	1.42E-17	-0.13519	0.057	0.127	2.12E-13	AC-G	LIPE-AS1

CELSR2. 1	1. 44E-17	-0. 12741	0. 04	0. 103	2. 16E-13	AC-G	CELSR2
OSGIN1	1. 45E-17	0. 120472	0. 057	0. 022	2. 17E-13	AC-G	OSGIN1
PTBP3. 1	1. 48E-17	-0. 18995	0. 055	0. 122	2. 21E-13	AC-G	PTBP3
MPHOSPH9.	1. 49E-17	-0. 1196	0. 059	0. 129	2. 23E-13	AC-G	MPHOSPH9
BRI3BP. 1	1. 51E-17	-0. 15312	0. 056	0. 124	2. 26E-13	AC-G	BRI3BP
OSGEP. 1	1. 51E-17	-0. 11678	0. 127	0. 217	2. 26E-13	AC-G	OSGEP
PLXNA4	1. 53E-17	-0. 14825	0. 029	0. 086	2. 29E-13	AC-G	PLXNA4
RP11-745C	1. 55E-17	0. 155202	0. 028	0. 007	2. 31E-13	AC-G	RP11-745C15. 2
MGEA5. 1	1. 55E-17	-0. 19786	0. 155	0. 247	2. 32E-13	AC-G	MGEA5
JARID2	1. 59E-17	-0. 18892	0. 064	0. 134	2. 38E-13	AC-G	JARID2
FBXO18. 1	1. 66E-17	-0. 14329	0. 073	0. 147	2. 48E-13	AC-G	FBXO18
SGPL1	1. 67E-17	-0. 16641	0. 071	0. 142	2. 49E-13	AC-G	SGPL1
SOX6. 1	1. 69E-17	-0. 20586	0. 079	0. 153	2. 52E-13	AC-G	SOX6
SOBP. 1	1. 70E-17	-0. 13445	0. 072	0. 146	2. 54E-13	AC-G	SOBP
SPC24. 1	1. 70E-17	-0. 13846	0. 01	0. 056	2. 54E-13	AC-G	SPC24
SRD5A3. 1	1. 73E-17	-0. 16163	0. 095	0. 175	2. 58E-13	AC-G	SRD5A3
RRP7A. 1	1. 81E-17	-0. 15357	0. 203	0. 304	2. 71E-13	AC-G	RRP7A
UQCRFS1. 1	1. 83E-17	-0. 16774	0. 437	0. 565	2. 74E-13	AC-G	UQCRFS1
PRPF8. 1	1. 83E-17	-0. 15641	0. 172	0. 273	2. 74E-13	AC-G	PRPF8
PLXNB2. 1	1. 89E-17	-0. 1589	0. 09	0. 17	2. 83E-13	AC-G	PLXNB2
CSDE1. 1	1. 90E-17	-0. 13687	0. 493	0. 622	2. 85E-13	AC-G	CSDE1
ZBTB4. 1	1. 91E-17	-0. 14974	0. 059	0. 128	2. 85E-13	AC-G	ZBTB4
ATP11A. 1	1. 92E-17	-0. 10799	0. 044	0. 107	2. 87E-13	AC-G	ATP11A
SNX29. 1	1. 93E-17	-0. 22365	0. 052	0. 116	2. 89E-13	AC-G	SNX29
SMARCD2. 1	1. 96E-17	-0. 12009	0. 036	0. 095	2. 93E-13	AC-G	SMARCD2
OTOA	2. 14E-17	-0. 15801	0. 001	0. 038	3. 19E-13	AC-G	OTOA
NADK. 1	2. 14E-17	-0. 11668	0. 099	0. 18	3. 20E-13	AC-G	NADK
COX7C. 1	2. 16E-17	0. 198545	0. 834	0. 896	3. 22E-13	AC-G	COX7C
SSR4. 1	2. 23E-17	0. 268173	0. 724	0. 77	3. 33E-13	AC-G	SSR4
MSN. 1	2. 25E-17	-0. 1731	0. 285	0. 393	3. 36E-13	AC-G	MSN
GCAT. 1	2. 27E-17	-0. 12464	0. 094	0. 174	3. 40E-13	AC-G	GCAT
C1QTNF4	2. 34E-17	-0. 16407	0. 016	0. 064	3. 49E-13	AC-G	C1QTNF4
BTBD1. 1	2. 34E-17	-0. 13242	0. 083	0. 161	3. 49E-13	AC-G	BTBD1
SPAG16. 1	2. 38E-17	0. 323273	0. 351	0. 285	3. 56E-13	AC-G	SPAG16
FOXG1. 1	2. 45E-17	-0. 10133	0. 086	0. 166	3. 66E-13	AC-G	FOXG1
ERICH2	2. 45E-17	0. 160681	0. 063	0. 026	3. 67E-13	AC-G	ERICH2
MLXIP. 1	2. 46E-17	-0. 20593	0. 114	0. 196	3. 68E-13	AC-G	MLXIP
SOAT1. 1	2. 48E-17	-0. 25649	0. 13	0. 211	3. 71E-13	AC-G	SOAT1
USP34. 1	2. 49E-17	-0. 14357	0. 135	0. 224	3. 72E-13	AC-G	USP34
DCLRE1C	2. 50E-17	-0. 15208	0. 069	0. 142	3. 74E-13	AC-G	DCLRE1C
RNF165. 1	2. 54E-17	-0. 12706	0. 023	0. 076	3. 79E-13	AC-G	RNF165
ADAM8	2. 56E-17	-0. 19517	0. 007	0. 05	3. 82E-13	AC-G	ADAM8
ITFG1. 1	2. 56E-17	-0. 12836	0. 255	0. 366	3. 83E-13	AC-G	ITFG1
RASL11B. 1	2. 57E-17	-0. 20851	0. 014	0. 062	3. 84E-13	AC-G	RASL11B
CST7	2. 57E-17	-0. 22885	0. 003	0. 042	3. 84E-13	AC-G	CST7
CENPN	2. 67E-17	-0. 18789	0. 038	0. 097	3. 99E-13	AC-G	CENPN
SEMA4A. 1	2. 67E-17	-0. 16796	0. 011	0. 057	4. 00E-13	AC-G	SEMA4A
E2F3. 1	2. 70E-17	-0. 16104	0. 037	0. 095	4. 04E-13	AC-G	E2F3
ASIC1	2. 73E-17	-0. 13327	0. 013	0. 06	4. 07E-13	AC-G	ASIC1
ANKH. 1	2. 81E-17	-0. 26181	0. 089	0. 16	4. 20E-13	AC-G	ANKH
DLGAP5	2. 81E-17	-0. 12317	0. 003	0. 042	4. 21E-13	AC-G	DLGAP5

LBR. 1	2. 82E-17	-0. 2251	0. 158	0. 247	4. 22E-13	AC-G	LBR
YME1L1	2. 95E-17	-0. 19087	0. 179	0. 276	4. 42E-13	AC-G	YME1L1
LGALS8	3. 01E-17	-0. 19371	0. 087	0. 164	4. 50E-13	AC-G	LGALS8
FILIP1L. 1	3. 06E-17	-0. 24185	0. 088	0. 161	4. 58E-13	AC-G	FILIP1L
KCTD5. 1	3. 07E-17	-0. 18219	0. 134	0. 222	4. 58E-13	AC-G	KCTD5
TMOD2. 1	3. 11E-17	-0. 11638	0. 054	0. 121	4. 65E-13	AC-G	TMOD2
TM7SF2. 1	3. 24E-17	-0. 15278	0. 152	0. 246	4. 84E-13	AC-G	TM7SF2
CUEDC2. 1	3. 29E-17	-0. 11418	0. 301	0. 42	4. 92E-13	AC-G	CUEDC2
COMMD9	3. 36E-17	-0. 15208	0. 222	0. 327	5. 03E-13	AC-G	COMMD9
GADD45G. 1	3. 37E-17	-0. 24894	0. 18	0. 27	5. 03E-13	AC-G	GADD45G
KLF7. 1	3. 43E-17	-0. 2209	0. 136	0. 219	5. 13E-13	AC-G	KLF7
MSL1. 1	3. 46E-17	-0. 15644	0. 092	0. 171	5. 17E-13	AC-G	MSL1
IL12RB1	3. 61E-17	-0. 17392	0. 001	0. 037	5. 40E-13	AC-G	IL12RB1
DSEL. 1	3. 64E-17	-0. 19155	0. 152	0. 239	5. 44E-13	AC-G	DSEL
ITPR2. 1	3. 66E-17	-0. 22981	0. 073	0. 143	5. 47E-13	AC-G	ITPR2
LDOC1L. 1	3. 67E-17	-0. 10102	0. 037	0. 096	5. 48E-13	AC-G	LDOC1L
KCTD13. 1	3. 80E-17	-0. 1796	0. 077	0. 15	5. 67E-13	AC-G	KCTD13
TGM2	3. 80E-17	0. 167015	0. 071	0. 031	5. 67E-13	AC-G	TGM2
CLASP1. 1	3. 85E-17	-0. 10109	0. 075	0. 15	5. 75E-13	AC-G	CLASP1
TRMT1. 1	3. 87E-17	-0. 20384	0. 176	0. 273	5. 78E-13	AC-G	TRMT1
ATG3. 1	3. 88E-17	-0. 15341	0. 282	0. 395	5. 80E-13	AC-G	ATG3
CARS	3. 94E-17	0. 31146	0. 277	0. 208	5. 89E-13	AC-G	CARS
ZDHHC22	3. 98E-17	-0. 11207	0. 007	0. 05	5. 94E-13	AC-G	ZDHHC22
N4BP2. 1	4. 01E-17	-0. 14704	0. 06	0. 128	5. 99E-13	AC-G	N4BP2
KAT7	4. 02E-17	-0. 15019	0. 084	0. 16	6. 01E-13	AC-G	KAT7
IGF2R. 1	4. 08E-17	-0. 1393	0. 044	0. 107	6. 10E-13	AC-G	IGF2R
ARPC1A. 1	4. 10E-17	0. 299889	0. 592	0. 551	6. 13E-13	AC-G	ARPC1A
PATZ1. 1	4. 13E-17	-0. 12463	0. 035	0. 093	6. 18E-13	AC-G	PATZ1
SPATA6. 1	4. 55E-17	-0. 13961	0. 091	0. 168	6. 80E-13	AC-G	SPATA6
HDAC9. 1	4. 60E-17	-0. 16988	0. 067	0. 137	6. 87E-13	AC-G	HDAC9
SPIN1. 1	4. 60E-17	-0. 14996	0. 099	0. 18	6. 88E-13	AC-G	SPIN1
MOBP	4. 61E-17	-0. 3468	0. 003	0. 042	6. 89E-13	AC-G	MOBP
ZBED3. 1	4. 62E-17	-0. 1157	0. 038	0. 098	6. 90E-13	AC-G	ZBED3
HLA-F. 1	4. 66E-17	-0. 31389	0. 088	0. 157	6. 97E-13	AC-G	HLA-F
PIP5K1C. 1	4. 67E-17	-0. 12029	0. 053	0. 119	6. 98E-13	AC-G	PIP5K1C
STK39. 1	4. 69E-17	-0. 1083	0. 048	0. 112	7. 01E-13	AC-G	STK39
RNF168. 1	4. 72E-17	-0. 18066	0. 086	0. 16	7. 06E-13	AC-G	RNF168
MORN2. 1	4. 74E-17	0. 387348	0. 315	0. 252	7. 08E-13	AC-G	MORN2
CTNNB1. 1	4. 81E-17	-0. 12609	0. 262	0. 373	7. 18E-13	AC-G	CTNNB1
SDS. 1	4. 81E-17	-0. 2982	0. 018	0. 067	7. 20E-13	AC-G	SDS
BMP7. 1	4. 96E-17	-0. 16204	0. 099	0. 179	7. 42E-13	AC-G	BMP7
KDM3B. 1	5. 16E-17	-0. 15604	0. 054	0. 12	7. 70E-13	AC-G	KDM3B
SLC27A4. 1	5. 16E-17	-0. 11763	0. 018	0. 067	7. 71E-13	AC-G	SLC27A4
BCL7B. 1	5. 18E-17	-0. 1604	0. 237	0. 339	7. 74E-13	AC-G	BCL7B
SYTL3. 1	5. 28E-17	-0. 26392	0. 022	0. 073	7. 88E-13	AC-G	SYTL3
FGF9. 1	5. 36E-17	-0. 15505	0. 012	0. 058	8. 01E-13	AC-G	FGF9
FGD5-AS1.	5. 37E-17	-0. 17236	0. 224	0. 33	8. 03E-13	AC-G	FGD5-AS1
C19orf38.	5. 38E-17	-0. 20804	0. 01	0. 055	8. 04E-13	AC-G	C19orf38
SYT6. 1	5. 39E-17	-0. 15001	0. 012	0. 058	8. 05E-13	AC-G	SYT6
SF3A1. 1	5. 50E-17	-0. 15542	0. 106	0. 187	8. 22E-13	AC-G	SF3A1
ACAT1. 1	5. 54E-17	0. 300301	0. 424	0. 355	8. 28E-13	AC-G	ACAT1

CTH	5.57E-17	0.205405	0.094	0.048	8.33E-13	AC-G	CTH
ZC3H13.1	5.65E-17	-0.13425	0.242	0.352	8.45E-13	AC-G	ZC3H13
MLEC.1	5.74E-17	-0.14237	0.305	0.419	8.58E-13	AC-G	MLEC
RNF126.1	5.78E-17	-0.13611	0.203	0.308	8.63E-13	AC-G	RNF126
RP11-395E	5.81E-17	0.193137	0.052	0.02	8.68E-13	AC-G	RP11-395B7.4
PPP1R15A.	5.84E-17	-0.15505	0.364	0.487	8.72E-13	AC-G	PPP1R15A
EFTUD2.1	5.86E-17	-0.10248	0.139	0.23	8.76E-13	AC-G	EFTUD2
DENND1C	5.89E-17	-0.17663	0.002	0.04	8.80E-13	AC-G	DENND1C
SYP.1	5.90E-17	-0.18309	0.074	0.146	8.82E-13	AC-G	SYP
HIST2H2AC	6.06E-17	-0.1122	0.017	0.066	9.05E-13	AC-G	HIST2H2AC
AHCYL1.1	6.09E-17	0.45289	0.377	0.318	9.10E-13	AC-G	AHCYL1
SAT2.1	6.18E-17	0.297773	0.615	0.58	9.24E-13	AC-G	SAT2
RP11-386I	6.23E-17	-0.27027	0.024	0.075	9.31E-13	AC-G	RP11-386I14.4
AGPS.1	6.33E-17	-0.17283	0.065	0.133	9.46E-13	AC-G	AGPS
TOMM40.1	6.43E-17	-0.16854	0.235	0.346	9.61E-13	AC-G	TOMM40
IGLON5.1	6.47E-17	-0.1556	0.01	0.055	9.67E-13	AC-G	IGLON5
LRRC37B.1	6.69E-17	-0.1365	0.056	0.123	9.99E-13	AC-G	LRRC37B
ERCC1.1	6.72E-17	-0.14334	0.37	0.492	1.00E-12	AC-G	ERCC1
RBMX.1	6.86E-17	-0.10932	0.462	0.587	1.03E-12	AC-G	RBMX
STK32C.1	7.02E-17	-0.17282	0.043	0.104	1.05E-12	AC-G	STK32C
DLX6.1	7.04E-17	-0.19346	0.017	0.065	1.05E-12	AC-G	DLX6
ACSF3	7.44E-17	-0.14893	0.057	0.124	1.11E-12	AC-G	ACSF3
SETD3.1	7.77E-17	-0.16495	0.091	0.169	1.16E-12	AC-G	SETD3
RP11-1094	7.93E-17	-0.10482	0.154	0.25	1.18E-12	AC-G	RP11-1094M14.11
HENMT1	8.13E-17	-0.17308	0.002	0.038	1.21E-12	AC-G	HENMT1
CCDC106.1	8.19E-17	-0.14101	0.157	0.247	1.22E-12	AC-G	CCDC106
HLA-DOA	8.26E-17	-0.27374	0.044	0.104	1.23E-12	AC-G	HLA-DOA
RYBP.1	8.31E-17	-0.17809	0.06	0.126	1.24E-12	AC-G	RYBP
CAPS.1	8.46E-17	0.20243	0.114	0.063	1.26E-12	AC-G	CAPS
C21orf2.1	8.48E-17	-0.15526	0.123	0.208	1.27E-12	AC-G	C21orf2
YTHDF3.1	8.60E-17	-0.12832	0.076	0.148	1.29E-12	AC-G	YTHDF3
TCTEX1D1	9.31E-17	0.111378	0.038	0.012	1.39E-12	AC-G	TCTEX1D1
RAB21.1	9.36E-17	-0.13485	0.13	0.218	1.40E-12	AC-G	RAB21
ARHGAP25	9.41E-17	-0.20247	0.023	0.074	1.41E-12	AC-G	ARHGAP25
ZBTB18.1	9.45E-17	-0.121	0.013	0.059	1.41E-12	AC-G	ZBTB18
GPNMB.1	9.68E-17	-0.25443	0.132	0.214	1.45E-12	AC-G	GPNMB
PHF19.1	9.74E-17	-0.13501	0.069	0.141	1.46E-12	AC-G	PHF19
NCAPG	9.85E-17	-0.11631	0.007	0.048	1.47E-12	AC-G	NCAPG
TLN2.1	9.97E-17	-0.18253	0.043	0.104	1.49E-12	AC-G	TLN2
AKT1.1	1.04E-16	-0.13522	0.083	0.159	1.56E-12	AC-G	AKT1
UBE2D2.1	1.07E-16	-0.12627	0.473	0.61	1.60E-12	AC-G	UBE2D2
MAPK8.1	1.08E-16	-0.13593	0.046	0.109	1.62E-12	AC-G	MAPK8
KAT6A.1	1.10E-16	-0.18955	0.095	0.171	1.64E-12	AC-G	KAT6A
SEMA6B	1.10E-16	-0.16189	0.011	0.056	1.65E-12	AC-G	SEMA6B
SSBP1.1	1.12E-16	0.30615	0.636	0.639	1.68E-12	AC-G	SSBP1
JAK1.1	1.13E-16	-0.1817	0.175	0.268	1.68E-12	AC-G	JAK1
MAD1L1.1	1.13E-16	-0.17475	0.093	0.169	1.69E-12	AC-G	MAD1L1
ZNF649.1	1.14E-16	-0.13377	0.04	0.099	1.70E-12	AC-G	ZNF649
EPHX2	1.16E-16	0.201971	0.072	0.032	1.73E-12	AC-G	EPHX2
LSM4	1.19E-16	-0.11403	0.467	0.578	1.78E-12	AC-G	LSM4
ANKRD39.1	1.19E-16	-0.13883	0.101	0.18	1.78E-12	AC-G	ANKRD39

BCL11A	1.19E-16	-0.10297	0.011	0.056	1.78E-12	AC-G	BCL11A
AAED1.1	1.22E-16	-0.19443	0.116	0.194	1.83E-12	AC-G	AAED1
ARL5B.1	1.27E-16	-0.15953	0.039	0.097	1.90E-12	AC-G	ARL5B
REV1.1	1.31E-16	-0.1443	0.101	0.18	1.95E-12	AC-G	REV1
CBX4.1	1.34E-16	-0.1579	0.06	0.126	2.00E-12	AC-G	CBX4
LMF2.1	1.35E-16	-0.13297	0.13	0.215	2.01E-12	AC-G	LMF2
ATF6.1	1.39E-16	-0.22082	0.172	0.263	2.08E-12	AC-G	ATF6
PRKAG2.1	1.41E-16	-0.23795	0.079	0.149	2.11E-12	AC-G	PRKAG2
CBLN4.1	1.42E-16	-0.10725	0.031	0.088	2.12E-12	AC-G	CBLN4
IFITM10.1	1.43E-16	-0.25438	0.071	0.136	2.14E-12	AC-G	IFITM10
CDCA5	1.47E-16	-0.12019	0.009	0.052	2.20E-12	AC-G	CDCA5
MVD.1	1.49E-16	-0.14329	0.11	0.192	2.22E-12	AC-G	MVD
KLK6	1.50E-16	-0.29956	0.001	0.037	2.24E-12	AC-G	KLK6
PUM1.1	1.52E-16	-0.14894	0.16	0.252	2.26E-12	AC-G	PUM1
FABP6	1.56E-16	-0.15444	0.005	0.045	2.33E-12	AC-G	FABP6
C20orf194	1.57E-16	-0.15416	0.075	0.146	2.35E-12	AC-G	C20orf194
PHACTR3.1	1.57E-16	-0.1694	0.031	0.087	2.35E-12	AC-G	PHACTR3
MEIS1.1	1.57E-16	-0.11249	0.038	0.096	2.35E-12	AC-G	MEIS1
MMD.1	1.59E-16	-0.1175	0.167	0.26	2.37E-12	AC-G	MMD
UNC13D.1	1.67E-16	-0.16311	0.011	0.056	2.50E-12	AC-G	UNC13D
GCHFR.1	1.68E-16	-0.25704	0.031	0.085	2.51E-12	AC-G	GCHFR
FAM192A.1	1.72E-16	-0.11548	0.264	0.376	2.57E-12	AC-G	FAM192A
SLC35G2.1	1.73E-16	0.342144	0.167	0.107	2.59E-12	AC-G	SLC35G2
MAPT.1	1.74E-16	-0.1589	0.206	0.3	2.60E-12	AC-G	MAPT
RHOBTB3.1	1.86E-16	-0.16312	0.321	0.425	2.78E-12	AC-G	RHOBTB3
ZC3HAV1.1	1.89E-16	-0.21422	0.111	0.189	2.82E-12	AC-G	ZC3HAV1
CHADL	1.89E-16	-0.19193	0.007	0.048	2.82E-12	AC-G	CHADL
TULP4.1	1.92E-16	-0.15888	0.081	0.154	2.88E-12	AC-G	TULP4
ZNF536	1.93E-16	-0.14517	0.008	0.049	2.88E-12	AC-G	ZNF536
TBC1D10B.1	1.94E-16	-0.13843	0.048	0.11	2.90E-12	AC-G	TBC1D10B
SMCR5.1	1.94E-16	-0.11199	0.041	0.102	2.90E-12	AC-G	SMCR5
NCAPH	1.96E-16	-0.11158	0.004	0.042	2.94E-12	AC-G	NCAPH
BHLHE41.1	2.04E-16	-0.28547	0.141	0.221	3.05E-12	AC-G	BHLHE41
SUPT20H.1	2.05E-16	-0.1256	0.134	0.221	3.06E-12	AC-G	SUPT20H
LRRC4	2.09E-16	-0.13785	0.009	0.052	3.12E-12	AC-G	LRRC4
ADRB2	2.10E-16	-0.22243	0.01	0.053	3.14E-12	AC-G	ADRB2
FHOD1.1	2.12E-16	-0.16864	0.017	0.064	3.16E-12	AC-G	FHOD1
CPPED1.1	2.17E-16	-0.2139	0.025	0.076	3.24E-12	AC-G	CPPED1
IL2RG	2.18E-16	-0.25914	0.008	0.05	3.25E-12	AC-G	IL2RG
LMNB2.1	2.18E-16	-0.13605	0.061	0.128	3.26E-12	AC-G	LMNB2
ENDOG.1	2.25E-16	-0.12771	0.085	0.159	3.36E-12	AC-G	ENDOG
FUT8.1	2.26E-16	-0.11719	0.066	0.136	3.37E-12	AC-G	FUT8
DCAF11.1	2.27E-16	-0.10392	0.119	0.204	3.39E-12	AC-G	DCAF11
PARP14.1	2.27E-16	-0.20896	0.094	0.168	3.40E-12	AC-G	PARP14
LMO1.1	2.32E-16	-0.19719	0.03	0.083	3.47E-12	AC-G	LMO1
SLC25A24.1	2.33E-16	-0.16594	0.048	0.108	3.48E-12	AC-G	SLC25A24
ABR.1	2.35E-16	-0.16084	0.084	0.157	3.51E-12	AC-G	ABR
GNG5.1	2.44E-16	0.272994	0.677	0.638	3.65E-12	AC-G	GNG5
TMEM109.1	2.47E-16	-0.22137	0.139	0.217	3.69E-12	AC-G	TMEM109
XRN2.1	2.51E-16	-0.13146	0.361	0.476	3.74E-12	AC-G	XRN2
HEPN1.1	2.53E-16	0.395823	0.262	0.193	3.79E-12	AC-G	HEPN1

LARP4B	2.58E-16	-0.1359	0.041	0.099	3.85E-12	AC-G	LARP4B
GTPBP1	2.66E-16	-0.15929	0.049	0.111	3.97E-12	AC-G	GTPBP1
ASCC2	2.76E-16	-0.18502	0.134	0.219	4.13E-12	AC-G	ASCC2
BMS1.1	2.77E-16	-0.13028	0.083	0.157	4.14E-12	AC-G	BMS1
SSBP3.1	2.78E-16	-0.13547	0.07	0.14	4.16E-12	AC-G	SSBP3
SIGMAR1.1	2.85E-16	-0.15432	0.106	0.185	4.27E-12	AC-G	SIGMAR1
LAMP5.1	2.86E-16	-0.12799	0.055	0.12	4.27E-12	AC-G	LAMP5
CHMP1B.1	2.89E-16	-0.1978	0.35	0.455	4.32E-12	AC-G	CHMP1B
GRAMD3.1	2.90E-16	0.291721	0.193	0.13	4.34E-12	AC-G	GRAMD3
ZNF281.1	2.91E-16	-0.20648	0.12	0.198	4.35E-12	AC-G	ZNF281
DARS.1	3.05E-16	0.286024	0.448	0.393	4.55E-12	AC-G	DARS
ENTPD6.1	3.17E-16	-0.11414	0.127	0.212	4.74E-12	AC-G	ENTPD6
MARK2.1	3.26E-16	-0.15547	0.068	0.136	4.87E-12	AC-G	MARK2
GSK3A.1	3.28E-16	-0.12248	0.119	0.204	4.90E-12	AC-G	GSK3A
OIP5	3.28E-16	-0.1071	0.007	0.048	4.91E-12	AC-G	OIP5
SUSD1.1	3.36E-16	-0.12953	0.016	0.063	5.01E-12	AC-G	SUSD1
FAM212A.1	3.41E-16	-0.20859	0.012	0.056	5.09E-12	AC-G	FAM212A
PNKP.1	3.45E-16	-0.13997	0.109	0.191	5.16E-12	AC-G	PNKP
TRPC4AP.1	3.50E-16	-0.15916	0.173	0.266	5.23E-12	AC-G	TRPC4AP
ARHGAP33.	3.53E-16	-0.12296	0.034	0.091	5.27E-12	AC-G	ARHGAP33
SQRDL.1	3.54E-16	-0.264	0.101	0.172	5.29E-12	AC-G	SQRDL
TMED1	3.60E-16	0.415003	0.344	0.281	5.38E-12	AC-G	TMED1
PPP2R2D.1	3.63E-16	-0.1175	0.04	0.099	5.42E-12	AC-G	PPP2R2D
TBC1D10C	3.74E-16	-0.17367	0.001	0.036	5.59E-12	AC-G	TBC1D10C
CSPG5.1	3.77E-16	-0.21293	0.056	0.118	5.64E-12	AC-G	CSPG5
ATP6V1G2.	4.00E-16	-0.14353	0.087	0.161	5.97E-12	AC-G	ATP6V1G2
MGRN1.1	4.03E-16	-0.1572	0.137	0.222	6.02E-12	AC-G	MGRN1
TRIM27.1	4.04E-16	-0.14867	0.137	0.224	6.04E-12	AC-G	TRIM27
CD58.1	4.14E-16	-0.21182	0.155	0.241	6.18E-12	AC-G	CD58
PI4KA.1	4.14E-16	-0.16133	0.045	0.105	6.18E-12	AC-G	PI4KA
CHKB	4.15E-16	-0.13575	0.017	0.064	6.21E-12	AC-G	CHKB
EGR2.1	4.16E-16	-0.23302	0.125	0.205	6.22E-12	AC-G	EGR2
RP3-47704	4.25E-16	-0.16762	0	0.034	6.35E-12	AC-G	RP3-47704.14
PCYOX1L.1	4.34E-16	-0.12632	0.024	0.074	6.48E-12	AC-G	PCYOX1L
CA4	4.36E-16	0.180845	0.018	0.003	6.51E-12	AC-G	CA4
CLEC18B	4.36E-16	0.139343	0.033	0.01	6.52E-12	AC-G	CLEC18B
HAS2-AS1	4.38E-16	0.112485	0.037	0.012	6.54E-12	AC-G	HAS2-AS1
RREB1.1	4.50E-16	-0.15649	0.028	0.08	6.72E-12	AC-G	RREB1
PDE7A.1	4.54E-16	-0.16198	0.036	0.091	6.78E-12	AC-G	PDE7A
RASSF3	4.56E-16	-0.15592	0.008	0.048	6.82E-12	AC-G	RASSF3
BTBD7.1	4.57E-16	-0.12998	0.078	0.151	6.83E-12	AC-G	BTBD7
NUP210	4.64E-16	-0.12281	0.021	0.071	6.94E-12	AC-G	NUP210
B4GALT7.1	4.75E-16	-0.11628	0.137	0.223	7.09E-12	AC-G	B4GALT7
ANGPT2	4.83E-16	0.264284	0.079	0.039	7.22E-12	AC-G	ANGPT2
RBM12.1	5.01E-16	-0.13765	0.066	0.134	7.48E-12	AC-G	RBM12
EID2.1	5.01E-16	-0.11755	0.057	0.121	7.49E-12	AC-G	EID2
NIPAL3	5.02E-16	-0.16087	0.034	0.09	7.50E-12	AC-G	NIPAL3
CHD6.1	5.07E-16	-0.13046	0.168	0.26	7.57E-12	AC-G	CHD6
FAM159A	5.12E-16	-0.17643	0.01	0.052	7.65E-12	AC-G	FAM159A
GOLPH3.1	5.13E-16	-0.1523	0.117	0.198	7.67E-12	AC-G	GOLPH3
PITPNC1.1	5.16E-16	-0.10776	0.066	0.134	7.71E-12	AC-G	PITPNC1

XIST. 1	5. 21E-16	0. 135856	0. 357	0. 248	7. 79E-12	AC-G	XIST
FAXC. 1	5. 25E-16	-0. 15009	0. 038	0. 095	7. 84E-12	AC-G	FAXC
FSTL1	5. 30E-16	0. 287462	0. 16	0. 105	7. 92E-12	AC-G	FSTL1
OSBPL1A. 1	5. 44E-16	-0. 18935	0. 124	0. 204	8. 13E-12	AC-G	OSBPL1A
PKMYT1	5. 53E-16	-0. 11333	0. 008	0. 049	8. 27E-12	AC-G	PKMYT1
ABHD15. 1	5. 61E-16	-0. 18566	0. 018	0. 065	8. 38E-12	AC-G	ABHD15
P2RY11	5. 75E-16	-0. 21275	0. 04	0. 096	8. 59E-12	AC-G	P2RY11
NFASC	5. 93E-16	0. 219499	0. 152	0. 093	8. 86E-12	AC-G	NFASC
PDXK. 1	5. 93E-16	-0. 12456	0. 206	0. 3	8. 87E-12	AC-G	PDXK
NCLN. 1	6. 03E-16	-0. 14665	0. 1	0. 177	9. 02E-12	AC-G	NCLN
ZNF462. 1	6. 67E-16	-0. 10872	0. 112	0. 189	9. 96E-12	AC-G	ZNF462
CTTNBP2NL	6. 72E-16	-0. 15059	0. 092	0. 165	1. 00E-11	AC-G	CTTNBP2NL
MPHOSPH6.	6. 74E-16	-0. 15396	0. 21	0. 306	1. 01E-11	AC-G	MPHOSPH6
STK24. 1	6. 93E-16	-0. 13895	0. 049	0. 111	1. 04E-11	AC-G	STK24
MEIS3	6. 99E-16	-0. 10066	0. 072	0. 141	1. 04E-11	AC-G	MEIS3
GDAP1. 1	7. 04E-16	-0. 16565	0. 091	0. 164	1. 05E-11	AC-G	GDAP1
ST6GAL2	7. 45E-16	-0. 12144	0. 005	0. 043	1. 11E-11	AC-G	ST6GAL2
MEST. 1	7. 49E-16	-0. 19393	0. 31	0. 401	1. 12E-11	AC-G	MEST
KRT7	7. 70E-16	0. 306498	0. 07	0. 033	1. 15E-11	AC-G	KRT7
PXDC1. 1	8. 08E-16	-0. 14813	0. 09	0. 164	1. 21E-11	AC-G	PXDC1
IBTK. 1	8. 27E-16	-0. 14491	0. 103	0. 18	1. 24E-11	AC-G	IBTK
CHAF1A. 1	8. 28E-16	-0. 12471	0. 04	0. 098	1. 24E-11	AC-G	CHAF1A
LAMA2	8. 31E-16	0. 174849	0. 046	0. 017	1. 24E-11	AC-G	LAMA2
SLC17A9	8. 31E-16	-0. 13974	0. 001	0. 035	1. 24E-11	AC-G	SLC17A9
MAN2B1. 1	8. 32E-16	-0. 15696	0. 025	0. 075	1. 24E-11	AC-G	MAN2B1
UBXN6. 1	8. 42E-16	-0. 14663	0. 216	0. 315	1. 26E-11	AC-G	UBXN6
PLB1	8. 44E-16	-0. 14877	0. 008	0. 049	1. 26E-11	AC-G	PLB1
DNAAF2. 1	8. 63E-16	-0. 1207	0. 106	0. 186	1. 29E-11	AC-G	DNAAF2
CREBL2. 1	8. 95E-16	-0. 19684	0. 123	0. 202	1. 34E-11	AC-G	CREBL2
SLAIN2. 1	8. 99E-16	-0. 12253	0. 079	0. 15	1. 34E-11	AC-G	SLAIN2
INSIG2	9. 08E-16	0. 297857	0. 261	0. 191	1. 36E-11	AC-G	INSIG2
OSR2	9. 24E-16	0. 186014	0. 043	0. 015	1. 38E-11	AC-G	OSR2
SNX30. 1	9. 30E-16	-0. 16512	0. 021	0. 07	1. 39E-11	AC-G	SNX30
GDAP1L1. 1	9. 34E-16	-0. 16594	0. 05	0. 111	1. 40E-11	AC-G	GDAP1L1
FAM195A. 1	9. 54E-16	-0. 17348	0. 179	0. 269	1. 43E-11	AC-G	FAM195A
JAZF1. 1	9. 71E-16	-0. 16899	0. 061	0. 124	1. 45E-11	AC-G	JAZF1
ATG16L2. 1	9. 98E-16	-0. 23086	0. 041	0. 096	1. 49E-11	AC-G	ATG16L2
WARS. 1	1. 00E-15	0. 303	0. 255	0. 191	1. 50E-11	AC-G	WARS
PNPLA6. 1	1. 00E-15	-0. 1612	0. 102	0. 179	1. 50E-11	AC-G	PNPLA6
CEP78. 1	1. 01E-15	-0. 13169	0. 06	0. 124	1. 51E-11	AC-G	CEP78
RP3-460G2	1. 01E-15	0. 364959	0. 098	0. 052	1. 51E-11	AC-G	RP3-460G2. 2
MTMR10	1. 03E-15	-0. 18334	0. 025	0. 074	1. 54E-11	AC-G	MTMR10
TAZ. 1	1. 03E-15	-0. 18786	0. 077	0. 145	1. 54E-11	AC-G	TAZ
FDFT1. 1	1. 04E-15	-0. 12863	0. 223	0. 322	1. 56E-11	AC-G	FDFT1
SIAH2. 1	1. 05E-15	-0. 18469	0. 141	0. 224	1. 57E-11	AC-G	SIAH2
NRP2. 1	1. 06E-15	-0. 11747	0. 147	0. 236	1. 58E-11	AC-G	NRP2
AP3D1. 1	1. 06E-15	-0. 16337	0. 223	0. 325	1. 58E-11	AC-G	AP3D1
MDM4. 1	1. 06E-15	-0. 18956	0. 171	0. 261	1. 59E-11	AC-G	MDM4
MRFAP1. 1	1. 07E-15	0. 225383	0. 681	0. 669	1. 60E-11	AC-G	MRFAP1
DNM3. 1	1. 07E-15	-0. 16215	0. 041	0. 097	1. 61E-11	AC-G	DNM3
DPP8. 1	1. 11E-15	-0. 14196	0. 095	0. 17	1. 66E-11	AC-G	DPP8



C9orf69.1	1.11E-15	-0.11976	0.044	0.103	1.66E-11	AC-G	C9orf69
FANCI.1	1.12E-15	-0.11174	0.011	0.053	1.68E-11	AC-G	FANCI
ZNF90	1.13E-15	0.32233	0.44	0.368	1.69E-11	AC-G	ZNF90
CNDP1	1.15E-15	-0.29043	0.004	0.04	1.72E-11	AC-G	CNDP1
RNASE3	1.17E-15	-0.20575	0.003	0.039	1.74E-11	AC-G	RNASE3
FSTL3	1.17E-15	0.154868	0.08	0.039	1.75E-11	AC-G	FSTL3
FCH01	1.21E-15	-0.15858	0.007	0.045	1.80E-11	AC-G	FCH01
AKR7A2.1	1.22E-15	-0.17013	0.229	0.331	1.82E-11	AC-G	AKR7A2
SLC04A1	1.30E-15	0.132334	0.066	0.029	1.94E-11	AC-G	SLC04A1
FER	1.30E-15	-0.12648	0.044	0.103	1.95E-11	AC-G	FER
C19orf43.	1.31E-15	-0.10462	0.566	0.693	1.96E-11	AC-G	C19orf43
MIIP	1.32E-15	-0.16174	0.126	0.211	1.97E-11	AC-G	MIIP
C19orf24.	1.32E-15	-0.1299	0.278	0.382	1.98E-11	AC-G	C19orf24
MTHFR	1.33E-15	-0.16742	0.033	0.087	1.99E-11	AC-G	MTHFR
ARHGAP11A	1.38E-15	-0.10737	0.006	0.045	2.06E-11	AC-G	ARHGAP11A
CCSER2.1	1.38E-15	-0.13685	0.155	0.243	2.06E-11	AC-G	CCSER2
EIF2AK2.1	1.39E-15	-0.1538	0.221	0.318	2.07E-11	AC-G	EIF2AK2
CCDC74A.1	1.40E-15	0.142646	0.084	0.042	2.09E-11	AC-G	CCDC74A
SPATS2L.1	1.43E-15	-0.16605	0.253	0.347	2.13E-11	AC-G	SPATS2L
NNT	1.43E-15	-0.15581	0.078	0.148	2.14E-11	AC-G	NNT
MCUR1.1	1.49E-15	-0.15658	0.185	0.277	2.23E-11	AC-G	MCUR1
ABCA2.1	1.50E-15	-0.28511	0.047	0.105	2.25E-11	AC-G	ABCA2
ABHD6	1.56E-15	-0.13254	0.051	0.112	2.33E-11	AC-G	ABHD6
GRAMD4.1	1.57E-15	-0.15481	0.021	0.068	2.34E-11	AC-G	GRAMD4
LYVE1	1.59E-15	-0.31657	0.006	0.044	2.37E-11	AC-G	LYVE1
PGM3.1	1.60E-15	0.2564	0.226	0.164	2.38E-11	AC-G	PGM3
TMOD1	1.60E-15	0.20872	0.214	0.146	2.39E-11	AC-G	TMOD1
SCAF11.1	1.61E-15	-0.13896	0.303	0.415	2.41E-11	AC-G	SCAF11
DUSP10	1.62E-15	-0.18554	0.114	0.192	2.42E-11	AC-G	DUSP10
HMMR	1.66E-15	-0.12589	0.007	0.046	2.48E-11	AC-G	HMMR
QSOX1.1	1.68E-15	-0.17604	0.163	0.25	2.51E-11	AC-G	QSOX1
MYRF	1.69E-15	-0.20706	0.002	0.036	2.53E-11	AC-G	MYRF
GPD1.1	1.72E-15	-0.16998	0.013	0.055	2.57E-11	AC-G	GPD1
FAM98B.1	1.73E-15	-0.1114	0.045	0.105	2.58E-11	AC-G	FAM98B
SOX9.1	1.77E-15	-0.2377	0.207	0.284	2.65E-11	AC-G	SOX9
GBA2.1	1.84E-15	-0.1289	0.039	0.095	2.74E-11	AC-G	GBA2
PFKL.1	1.84E-15	-0.16399	0.277	0.38	2.75E-11	AC-G	PFKL
KIAA0232.	1.85E-15	-0.15338	0.091	0.163	2.76E-11	AC-G	KIAA0232
CDC45	1.85E-15	-0.10489	0.005	0.041	2.76E-11	AC-G	CDC45
GANAB.1	1.87E-15	-0.14084	0.192	0.288	2.80E-11	AC-G	GANAB
SAPCD2.1	1.90E-15	-0.12704	0.018	0.064	2.83E-11	AC-G	SAPCD2
SPNS1.1	1.92E-15	-0.14373	0.209	0.306	2.86E-11	AC-G	SPNS1
FLOT1.1	1.92E-15	-0.10799	0.398	0.523	2.87E-11	AC-G	FLOT1
ZFHX4.1	1.99E-15	-0.11665	0.09	0.164	2.97E-11	AC-G	ZFHX4
RALGDS.1	2.02E-15	-0.23514	0.095	0.163	3.02E-11	AC-G	RALGDS
SEPHS1.1	2.10E-15	-0.10606	0.059	0.123	3.13E-11	AC-G	SEPHS1
PDPK1.1	2.10E-15	-0.15818	0.121	0.2	3.14E-11	AC-G	PDPK1
FAM72A	2.10E-15	-0.15956	0.008	0.048	3.14E-11	AC-G	FAM72A
RHPN2	2.13E-15	0.192582	0.069	0.032	3.19E-11	AC-G	RHPN2
PVRL1.1	2.16E-15	-0.1004	0.021	0.069	3.22E-11	AC-G	PVRL1
DOPEY2.1	2.33E-15	-0.14769	0.026	0.076	3.49E-11	AC-G	DOPEY2

PKIA.1	2.38E-15	-0.19864	0.046	0.102	3.55E-11	AC-G	PKIA
APAF1.1	2.38E-15	-0.14954	0.025	0.074	3.56E-11	AC-G	APAF1
PRKCDBP	2.39E-15	0.129958	0.061	0.027	3.58E-11	AC-G	PRKCDBP
DPEP2	2.41E-15	-0.16227	0.004	0.039	3.61E-11	AC-G	DPEP2
NUCB1.1	2.42E-15	-0.13971	0.349	0.464	3.62E-11	AC-G	NUCB1
DMXL2.1	2.44E-15	-0.16043	0.036	0.09	3.64E-11	AC-G	DMXL2
TNPO1.1	2.46E-15	-0.13554	0.198	0.293	3.67E-11	AC-G	TNPO1
SYNE2.1	2.47E-15	-0.11603	0.109	0.186	3.69E-11	AC-G	SYNE2
SLC3A2.1	2.52E-15	0.294535	0.583	0.588	3.76E-11	AC-G	SLC3A2
CNOT6.1	2.52E-15	-0.11435	0.03	0.082	3.77E-11	AC-G	CNOT6
ABHD3.1	2.55E-15	-0.1827	0.118	0.195	3.81E-11	AC-G	ABHD3
HSCB.1	2.59E-15	-0.10939	0.107	0.184	3.87E-11	AC-G	HSCB
RP11-488C	2.60E-15	-0.13323	0.026	0.075	3.88E-11	AC-G	RP11-488C13.5
FLOT2.1	2.71E-15	-0.12092	0.117	0.199	4.05E-11	AC-G	FLOT2
RASA1.1	2.74E-15	-0.12504	0.054	0.116	4.10E-11	AC-G	RASA1
TRAPPC2P1	2.75E-15	0.334438	0.28	0.213	4.11E-11	AC-G	TRAPPC2P1
SMCHD1.1	2.75E-15	-0.16838	0.121	0.2	4.11E-11	AC-G	SMCHD1
KCNN3	2.75E-15	0.135668	0.06	0.026	4.11E-11	AC-G	KCNN3
ARHGEF9.1	2.78E-15	-0.12886	0.065	0.13	4.15E-11	AC-G	ARHGEF9
NEU4.1	2.79E-15	-0.22257	0.024	0.071	4.17E-11	AC-G	NEU4
ZMYND12	2.88E-15	0.120223	0.027	0.007	4.30E-11	AC-G	ZMYND12
PCNX.1	3.00E-15	-0.1436	0.045	0.103	4.48E-11	AC-G	PCNX
PHF12.1	3.07E-15	-0.11948	0.058	0.121	4.59E-11	AC-G	PHF12
TCF3.1	3.13E-15	-0.11104	0.073	0.14	4.68E-11	AC-G	TCF3
RGL1.1	3.17E-15	-0.13242	0.039	0.095	4.74E-11	AC-G	RGL1
NEDD4L.1	3.24E-15	-0.11101	0.06	0.123	4.84E-11	AC-G	NEDD4L
MLLT4.1	3.27E-15	-0.17435	0.101	0.174	4.88E-11	AC-G	MLLT4
BUB1	3.34E-15	-0.12043	0.008	0.046	4.99E-11	AC-G	BUB1
C4orf3.1	3.57E-15	0.278617	0.647	0.646	5.33E-11	AC-G	C4orf3
MND1	3.62E-15	-0.11854	0.01	0.051	5.41E-11	AC-G	MND1
ZNF738.1	3.63E-15	-0.10889	0.084	0.156	5.42E-11	AC-G	ZNF738
IMPDH1.1	3.67E-15	-0.14318	0.096	0.169	5.48E-11	AC-G	IMPDH1
DNASE1L1.1	3.68E-15	-0.1763	0.03	0.081	5.49E-11	AC-G	DNASE1L1
CADM2	3.68E-15	-0.21467	0.125	0.201	5.50E-11	AC-G	CADM2
GNG4.1	3.69E-15	-0.13109	0.062	0.126	5.51E-11	AC-G	GNG4
BTBD17.1	3.69E-15	-0.15972	0.016	0.059	5.52E-11	AC-G	BTBD17
GLIPR1L2	3.79E-15	0.136475	0.069	0.032	5.67E-11	AC-G	GLIPR1L2
ACSL4.1	3.82E-15	-0.178	0.039	0.092	5.71E-11	AC-G	ACSL4
CCNDBP1.1	3.85E-15	-0.20201	0.137	0.218	5.76E-11	AC-G	CCNDBP1
WDR78	3.86E-15	0.122908	0.042	0.015	5.76E-11	AC-G	WDR78
ZC3H18.1	3.92E-15	-0.11718	0.096	0.169	5.86E-11	AC-G	ZC3H18
ITGA4	3.96E-15	-0.15582	0.009	0.049	5.91E-11	AC-G	ITGA4
PRR4.1	3.97E-15	-0.12773	0.146	0.23	5.93E-11	AC-G	PRR4
USP9X.1	4.05E-15	-0.14699	0.133	0.215	6.05E-11	AC-G	USP9X
MOG	4.06E-15	-0.25614	0.003	0.037	6.07E-11	AC-G	MOG
CKAP5.1	4.18E-15	-0.11283	0.095	0.168	6.25E-11	AC-G	CKAP5
PEAK1.1	4.24E-15	-0.11372	0.027	0.077	6.34E-11	AC-G	PEAK1
FAM127B.1	4.44E-15	0.314073	0.354	0.29	6.64E-11	AC-G	FAM127B
MARCH6.1	4.47E-15	-0.10157	0.271	0.374	6.68E-11	AC-G	6-Mar
HMG20B.1	4.51E-15	-0.16418	0.254	0.352	6.75E-11	AC-G	HMG20B
PPP1R14A	4.69E-15	-0.34891	0.057	0.117	7.00E-11	AC-G	PPP1R14A

LETM1.1	4.77E-15	-0.12333	0.12	0.198	7.12E-11	AC-G	LETM1
TLE3	4.80E-15	-0.23191	0.083	0.148	7.18E-11	AC-G	TLE3
KCNQ3	4.82E-15	-0.17189	0.009	0.048	7.21E-11	AC-G	KCNQ3
BANF1.1	4.83E-15	0.250662	0.677	0.659	7.22E-11	AC-G	BANF1
LZTS2.1	4.85E-15	-0.13015	0.035	0.088	7.25E-11	AC-G	LZTS2
PAM.1	4.86E-15	0.293967	0.214	0.155	7.26E-11	AC-G	PAM
VRK1	4.86E-15	-0.13662	0.051	0.111	7.26E-11	AC-G	VRK1
SSPN.1	4.88E-15	0.217182	0.154	0.096	7.29E-11	AC-G	SSPN
MYT1	5.09E-15	-0.13123	0.007	0.045	7.61E-11	AC-G	MYT1
DCUN1D1.1	5.10E-15	-0.13976	0.096	0.167	7.62E-11	AC-G	DCUN1D1
SRSF4.1	5.12E-15	-0.12535	0.27	0.377	7.66E-11	AC-G	SRSF4
EGFR.1	5.20E-15	-0.23236	0.23	0.314	7.77E-11	AC-G	EGFR
TBC1D2B.1	5.24E-15	-0.16721	0.016	0.059	7.83E-11	AC-G	TBC1D2B
TLR5	5.28E-15	-0.20609	0.011	0.052	7.90E-11	AC-G	TLR5
KIF23	5.46E-15	-0.11379	0.008	0.046	8.15E-11	AC-G	KIF23
RMI2	5.59E-15	-0.11211	0.007	0.045	8.35E-11	AC-G	RMI2
NCOA1.1	5.70E-15	-0.11035	0.099	0.173	8.52E-11	AC-G	NCOA1
SYT1.1	5.81E-15	-0.24623	0.053	0.109	8.68E-11	AC-G	SYT1
RPUSD1.1	5.81E-15	-0.1489	0.078	0.145	8.69E-11	AC-G	RPUSD1
MAPK9.1	5.94E-15	-0.12653	0.037	0.091	8.87E-11	AC-G	MAPK9
TTL7.1	6.02E-15	-0.22925	0.167	0.251	8.99E-11	AC-G	TTL7
BEST3.1	6.03E-15	-0.19752	0.041	0.096	9.02E-11	AC-G	BEST3
TTYH1.1	6.09E-15	-0.24871	0.196	0.282	9.10E-11	AC-G	TTYH1
CSNK1G3.1	6.11E-15	-0.13539	0.092	0.165	9.12E-11	AC-G	CSNK1G3
FAM20C.1	6.12E-15	0.333509	0.274	0.213	9.15E-11	AC-G	FAM20C
MED1.1	6.16E-15	-0.12216	0.065	0.129	9.21E-11	AC-G	MED1
ALDH9A1.1	6.20E-15	0.278155	0.386	0.329	9.27E-11	AC-G	ALDH9A1
TRMT11	6.21E-15	0.233268	0.165	0.107	9.28E-11	AC-G	TRMT11
PRPF4B.1	6.22E-15	-0.1064	0.195	0.289	9.29E-11	AC-G	PRPF4B
FCHSD2.1	6.30E-15	-0.18802	0.037	0.09	9.41E-11	AC-G	FCHSD2
UBE2L6.1	6.32E-15	0.410907	0.497	0.469	9.44E-11	AC-G	UBE2L6
APOBEC3C	6.33E-15	-0.14226	0.074	0.139	9.46E-11	AC-G	APOBEC3C
FKBP2.1	6.37E-15	0.303229	0.599	0.588	9.51E-11	AC-G	FKBP2
C21orf62	6.52E-15	0.34246	0.209	0.148	9.74E-11	AC-G	C21orf62
AC015987.1	6.74E-15	0.102291	0.023	0.005	1.01E-10	AC-G	AC015987.1
GAS6.1	6.89E-15	-0.28865	0.146	0.216	1.03E-10	AC-G	GAS6
CMPK2.1	6.89E-15	-0.17865	0.019	0.064	1.03E-10	AC-G	CMPK2
POLG.1	7.09E-15	-0.1528	0.048	0.106	1.06E-10	AC-G	POLG
AGRN	7.20E-15	-0.11605	0.046	0.104	1.08E-10	AC-G	AGRN
IRF5.1	7.25E-15	-0.21843	0.021	0.066	1.08E-10	AC-G	IRF5
BRF1.1	7.25E-15	-0.12621	0.053	0.113	1.08E-10	AC-G	BRF1
GPR132	7.44E-15	-0.1596	0.003	0.036	1.11E-10	AC-G	GPR132
YIPF2	7.62E-15	0.348289	0.167	0.109	1.14E-10	AC-G	YIPF2
STARD7.1	7.65E-15	-0.17922	0.236	0.332	1.14E-10	AC-G	STARD7
IRGQ	7.81E-15	-0.12595	0.041	0.096	1.17E-10	AC-G	IRGQ
HPRT1.1	7.98E-15	-0.22008	0.163	0.244	1.19E-10	AC-G	HPRT1
CSRNP1.1	8.07E-15	-0.28701	0.133	0.202	1.21E-10	AC-G	CSRNP1
RANGAP1.1	8.07E-15	-0.13984	0.053	0.112	1.21E-10	AC-G	RANGAP1
VEZT.1	8.16E-15	-0.12532	0.155	0.241	1.22E-10	AC-G	VEZT
UBE2G1.1	8.25E-15	-0.12644	0.181	0.273	1.23E-10	AC-G	UBE2G1
CCER2.1	8.32E-15	-0.18033	0.018	0.062	1.24E-10	AC-G	CCER2

MTMR9.1	8.39E-15	-0.13566	0.124	0.202	1.25E-10	AC-G	MTMR9
ZNF131.1	8.69E-15	-0.15148	0.161	0.246	1.30E-10	AC-G	ZNF131
PTDSS2.1	8.92E-15	-0.13339	0.092	0.164	1.33E-10	AC-G	PTDSS2
HEXB.1	9.16E-15	-0.18936	0.319	0.422	1.37E-10	AC-G	HEXB
ASF1A.1	9.35E-15	-0.13197	0.162	0.248	1.40E-10	AC-G	ASF1A
CDT1	9.36E-15	-0.13071	0.022	0.068	1.40E-10	AC-G	CDT1
MELK	9.61E-15	-0.10537	0.012	0.053	1.44E-10	AC-G	MELK
CUL2	9.65E-15	-0.15988	0.068	0.132	1.44E-10	AC-G	CUL2
PSMA1.1	9.76E-15	0.28921	0.627	0.608	1.46E-10	AC-G	PSMA1
SMPDL3A	9.79E-15	-0.2097	0.072	0.135	1.46E-10	AC-G	SMPDL3A
FCHO2.1	9.88E-15	-0.16261	0.032	0.082	1.48E-10	AC-G	FCHO2
RP11-452F	1.01E-14	-0.20251	0.073	0.137	1.51E-10	AC-G	RP11-452F19.3
EIF4A2.1	1.02E-14	0.191918	0.704	0.722	1.52E-10	AC-G	EIF4A2
RP5-1177M	1.02E-14	-0.17204	0.011	0.051	1.53E-10	AC-G	RP5-1177M21.1
SP110.1	1.04E-14	-0.23917	0.135	0.21	1.55E-10	AC-G	SP110
BEX2.1	1.05E-14	0.224001	0.329	0.243	1.57E-10	AC-G	BEX2
PDE9A	1.05E-14	-0.12209	0.029	0.079	1.57E-10	AC-G	PDE9A
ESCO2	1.07E-14	-0.10042	0.005	0.04	1.61E-10	AC-G	ESCO2
NDUFAF2.1	1.09E-14	0.294769	0.324	0.262	1.62E-10	AC-G	NDUFAF2
PDE3B	1.11E-14	-0.14151	0.008	0.045	1.65E-10	AC-G	PDE3B
CYB561A3.	1.11E-14	-0.18263	0.093	0.162	1.66E-10	AC-G	CYB561A3
FAM134A.1	1.12E-14	-0.16747	0.22	0.313	1.68E-10	AC-G	FAM134A
CRIP1	1.14E-14	-0.21369	0.008	0.045	1.70E-10	AC-G	CRIP1
MB21D2	1.20E-14	-0.15624	0.017	0.061	1.79E-10	AC-G	MB21D2
ZNF467	1.20E-14	-0.13636	0.005	0.039	1.79E-10	AC-G	ZNF467
PAOX.1	1.22E-14	-0.12419	0.017	0.06	1.82E-10	AC-G	PAOX
ANKS1B.1	1.22E-14	-0.22752	0.059	0.117	1.82E-10	AC-G	ANKS1B
DICER1.1	1.23E-14	-0.18048	0.112	0.187	1.84E-10	AC-G	DICER1
PPP2R1A.1	1.24E-14	-0.12099	0.418	0.534	1.86E-10	AC-G	PPP2R1A
DOCK11.1	1.25E-14	-0.18001	0.018	0.061	1.87E-10	AC-G	DOCK11
ABCD1.1	1.26E-14	-0.13293	0.013	0.053	1.88E-10	AC-G	ABCD1
GPR161.1	1.27E-14	-0.13475	0.039	0.092	1.90E-10	AC-G	GPR161
PFN1.1	1.28E-14	-0.131	0.662	0.837	1.91E-10	AC-G	PFN1
ATMIN.1	1.28E-14	-0.11616	0.063	0.125	1.92E-10	AC-G	ATMIN
ZNF326.1	1.29E-14	-0.10878	0.172	0.262	1.93E-10	AC-G	ZNF326
BRWD1.1	1.30E-14	-0.17679	0.172	0.255	1.94E-10	AC-G	BRWD1
COL9A2.1	1.31E-14	-0.15718	0.043	0.098	1.96E-10	AC-G	COL9A2
GTF2E2.1	1.31E-14	-0.13212	0.122	0.201	1.96E-10	AC-G	GTF2E2
ADD1	1.34E-14	-0.16413	0.228	0.323	2.00E-10	AC-G	ADD1
PRKAG2-AS	1.35E-14	-0.27803	0.073	0.135	2.02E-10	AC-G	PRKAG2-AS1
GCLC.1	1.36E-14	-0.1551	0.05	0.106	2.03E-10	AC-G	GCLC
NUAK1.1	1.36E-14	-0.16128	0.03	0.079	2.03E-10	AC-G	NUAK1
UBE2J1.1	1.36E-14	-0.15658	0.205	0.295	2.04E-10	AC-G	UBE2J1
ANK3.1	1.44E-14	-0.1565	0.022	0.067	2.15E-10	AC-G	ANK3
EDIL3	1.46E-14	-0.22942	0.004	0.037	2.17E-10	AC-G	EDIL3
WDFY3.1	1.46E-14	-0.12607	0.042	0.096	2.18E-10	AC-G	WDFY3
EFS	1.47E-14	-0.10557	0.055	0.116	2.19E-10	AC-G	EFS
MASTL	1.49E-14	-0.10237	0.007	0.043	2.23E-10	AC-G	MASTL
SLC8B1.1	1.53E-14	-0.17159	0.05	0.107	2.28E-10	AC-G	SLC8B1
SMC1A.1	1.54E-14	-0.18763	0.15	0.23	2.31E-10	AC-G	SMC1A
RPP38	1.55E-14	-0.11247	0.077	0.143	2.31E-10	AC-G	RPP38

RAN. 1	1. 58E-14	0. 199542	0. 74	0. 76	2. 36E-10	AC-G	RAN
UBA7. 1	1. 59E-14	-0. 25197	0. 039	0. 09	2. 38E-10	AC-G	UBA7
IPO5. 1	1. 61E-14	-0. 1114	0. 146	0. 229	2. 41E-10	AC-G	IPO5
HECA. 1	1. 62E-14	-0. 15695	0. 03	0. 079	2. 43E-10	AC-G	HECA
AKAP11. 1	1. 63E-14	-0. 13741	0. 091	0. 161	2. 43E-10	AC-G	AKAP11
DUSP26. 1	1. 67E-14	-0. 20396	0. 042	0. 096	2. 49E-10	AC-G	DUSP26
ITPRIPL2. 1	1. 72E-14	-0. 14806	0. 032	0. 081	2. 57E-10	AC-G	ITPRIPL2
RP3-522D1	1. 73E-14	-0. 14525	0. 007	0. 043	2. 59E-10	AC-G	RP3-522D1. 1
HHLA3. 1	1. 75E-14	0. 328422	0. 189	0. 13	2. 61E-10	AC-G	HHLA3
BRINP2. 1	1. 80E-14	-0. 10749	0. 031	0. 081	2. 69E-10	AC-G	BRINP2
TECPR1. 1	1. 81E-14	-0. 13152	0. 067	0. 13	2. 71E-10	AC-G	TECPR1
ZNF302. 1	1. 82E-14	0. 339576	0. 369	0. 304	2. 72E-10	AC-G	ZNF302
AKNA	1. 82E-14	-0. 24055	0. 031	0. 08	2. 72E-10	AC-G	AKNA
NKD1	1. 84E-14	-0. 11394	0. 005	0. 04	2. 75E-10	AC-G	NKD1
POLDIP3	1. 85E-14	-0. 11296	0. 12	0. 199	2. 77E-10	AC-G	POLDIP3
SPINT1	1. 88E-14	-0. 14034	0. 005	0. 039	2. 80E-10	AC-G	SPINT1
CDPF1. 1	1. 89E-14	-0. 10192	0. 033	0. 084	2. 82E-10	AC-G	CDPF1
KAT6B. 1	1. 90E-14	-0. 12928	0. 068	0. 132	2. 83E-10	AC-G	KAT6B
ZNF267. 1	1. 92E-14	-0. 18831	0. 078	0. 143	2. 87E-10	AC-G	ZNF267
FKBP15. 1	1. 94E-14	-0. 1737	0. 083	0. 149	2. 89E-10	AC-G	FKBP15
DSC2	1. 94E-14	-0. 12552	0. 004	0. 038	2. 90E-10	AC-G	DSC2
CDCA8	1. 95E-14	-0. 13666	0. 008	0. 045	2. 91E-10	AC-G	CDCA8
UBN1. 1	1. 98E-14	-0. 14388	0. 106	0. 178	2. 96E-10	AC-G	UBN1
EIF2AK4. 1	2. 02E-14	-0. 14032	0. 118	0. 193	3. 02E-10	AC-G	EIF2AK4
CA10	2. 03E-14	-0. 11037	0. 004	0. 037	3. 03E-10	AC-G	CA10
GPX4. 1	2. 04E-14	0. 235019	0. 803	0. 85	3. 05E-10	AC-G	GPX4
CENPA. 1	2. 06E-14	-0. 15171	0. 015	0. 056	3. 07E-10	AC-G	CENPA
IRF7. 1	2. 16E-14	-0. 18667	0. 102	0. 172	3. 23E-10	AC-G	IRF7
TAPBP. 1	2. 24E-14	-0. 14683	0. 258	0. 359	3. 34E-10	AC-G	TAPBP
DNAJA4. 1	2. 24E-14	-0. 16399	0. 024	0. 069	3. 35E-10	AC-G	DNAJA4
RIC3	2. 30E-14	0. 319712	0. 288	0. 22	3. 43E-10	AC-G	RIC3
EHD4. 1	2. 32E-14	-0. 19146	0. 046	0. 1	3. 47E-10	AC-G	EHD4
XKR4	2. 33E-14	-0. 12288	0. 02	0. 064	3. 48E-10	AC-G	XKR4
FAR2	2. 33E-14	-0. 14004	0. 019	0. 062	3. 48E-10	AC-G	FAR2
ARHGAP11B	2. 34E-14	-0. 10469	0. 008	0. 044	3. 49E-10	AC-G	ARHGAP11B
TBC1D4. 1	2. 40E-14	-0. 16695	0. 014	0. 055	3. 58E-10	AC-G	TBC1D4
RQCD1	2. 40E-14	-0. 11639	0. 122	0. 2	3. 59E-10	AC-G	RQCD1
YLPM1. 1	2. 43E-14	-0. 11003	0. 063	0. 125	3. 63E-10	AC-G	YLPM1
VEGFB	2. 49E-14	-0. 15352	0. 087	0. 156	3. 72E-10	AC-G	VEGFB
TOX3. 1	2. 53E-14	-0. 18617	0. 028	0. 075	3. 78E-10	AC-G	TOX3
CAMK2N1. 1	2. 64E-14	-0. 21093	0. 248	0. 33	3. 95E-10	AC-G	CAMK2N1
A2M. 1	2. 64E-14	0. 458795	0. 479	0. 461	3. 95E-10	AC-G	A2M
MLLT6. 1	2. 68E-14	-0. 12691	0. 076	0. 142	4. 00E-10	AC-G	MLLT6
ZNF672. 1	2. 70E-14	-0. 14888	0. 084	0. 151	4. 03E-10	AC-G	ZNF672
PAQR8. 1	2. 87E-14	-0. 21522	0. 05	0. 105	4. 29E-10	AC-G	PAQR8
TSPAN17. 1	2. 88E-14	-0. 13533	0. 09	0. 159	4. 31E-10	AC-G	TSPAN17
TYRO3. 1	2. 89E-14	-0. 10192	0. 058	0. 119	4. 32E-10	AC-G	TYRO3
ATXN2	2. 94E-14	-0. 12675	0. 152	0. 235	4. 39E-10	AC-G	ATXN2
EP300	3. 13E-14	-0. 12598	0. 034	0. 084	4. 68E-10	AC-G	EP300
HSPE1. 1	3. 14E-14	0. 210445	0. 714	0. 732	4. 69E-10	AC-G	HSPE1
PDIA3. 1	3. 17E-14	-0. 13722	0. 463	0. 606	4. 73E-10	AC-G	PDIA3

FAM219B. 1	3. 26E-14	-0. 13591	0. 091	0. 161	4. 87E-10	AC-G	FAM219B
CCDC88C	3. 27E-14	-0. 10478	0. 01	0. 049	4. 89E-10	AC-G	CCDC88C
AC009506.	3. 28E-14	-0. 10518	0. 037	0. 089	4. 91E-10	AC-G	AC009506. 1
REEP1. 1	3. 29E-14	-0. 1584	0. 038	0. 089	4. 91E-10	AC-G	REEP1
ATP6V1A. 1	3. 35E-14	-0. 13584	0. 134	0. 211	5. 01E-10	AC-G	ATP6V1A
ANKS1A. 1	3. 41E-14	-0. 12989	0. 022	0. 067	5. 10E-10	AC-G	ANKS1A
CCNE2	3. 43E-14	-0. 16788	0. 021	0. 066	5. 13E-10	AC-G	CCNE2
CNOT11. 1	3. 46E-14	-0. 13299	0. 069	0. 132	5. 18E-10	AC-G	CNOT11
TNKS. 1	3. 47E-14	-0. 1182	0. 09	0. 16	5. 18E-10	AC-G	TNKS
GALNT6	3. 48E-14	-0. 13681	0. 003	0. 035	5. 20E-10	AC-G	GALNT6
NR1D1	3. 50E-14	0. 187033	0. 082	0. 043	5. 24E-10	AC-G	NR1D1
NDE1. 1	3. 54E-14	-0. 15002	0. 056	0. 115	5. 29E-10	AC-G	NDE1
RANBP3. 1	3. 55E-14	-0. 13617	0. 152	0. 236	5. 31E-10	AC-G	RANBP3
SLC32A1	3. 59E-14	-0. 14791	0. 007	0. 043	5. 37E-10	AC-G	SLC32A1
SESTD1	3. 60E-14	-0. 15265	0. 101	0. 17	5. 39E-10	AC-G	SESTD1
EFR3A. 1	3. 62E-14	-0. 15944	0. 086	0. 153	5. 41E-10	AC-G	EFR3A
NARS	3. 76E-14	0. 289258	0. 467	0. 432	5. 62E-10	AC-G	NARS
TPMT	3. 81E-14	-0. 19672	0. 13	0. 204	5. 70E-10	AC-G	TPMT
NUCB2	3. 83E-14	0. 327552	0. 39	0. 338	5. 72E-10	AC-G	NUCB2
U2AF1. 1	3. 84E-14	-0. 12356	0. 517	0. 653	5. 73E-10	AC-G	U2AF1
CCNY. 1	3. 85E-14	-0. 15296	0. 059	0. 118	5. 76E-10	AC-G	CCNY
IFNAR1. 1	3. 98E-14	-0. 10119	0. 211	0. 305	5. 95E-10	AC-G	IFNAR1
NDST1. 1	3. 99E-14	-0. 11605	0. 042	0. 096	5. 96E-10	AC-G	NDST1
KCNMB4. 1	4. 07E-14	-0. 15703	0. 07	0. 134	6. 09E-10	AC-G	KCNMB4
CNTN2	4. 10E-14	-0. 27583	0. 01	0. 047	6. 12E-10	AC-G	CNTN2
AC006946.	4. 13E-14	0. 1032	0. 017	0. 003	6. 18E-10	AC-G	AC006946. 16
SNX24. 1	4. 15E-14	-0. 1278	0. 072	0. 137	6. 20E-10	AC-G	SNX24
RASSF7. 1	4. 18E-14	-0. 1205	0. 03	0. 078	6. 25E-10	AC-G	RASSF7
DID01	4. 18E-14	-0. 10724	0. 089	0. 16	6. 25E-10	AC-G	DID01
MTMR6. 1	4. 21E-14	-0. 1353	0. 088	0. 156	6. 29E-10	AC-G	MTMR6
EAF2. 1	4. 23E-14	-0. 23337	0. 048	0. 101	6. 32E-10	AC-G	EAF2
SPRY1. 1	4. 23E-14	-0. 17981	0. 164	0. 246	6. 32E-10	AC-G	SPRY1
EMILIN3	4. 24E-14	-0. 10172	0. 004	0. 037	6. 33E-10	AC-G	EMILIN3
IL2RA	4. 31E-14	-0. 25111	0. 004	0. 037	6. 44E-10	AC-G	IL2RA
ZNF480	4. 32E-14	-0. 16929	0. 057	0. 115	6. 46E-10	AC-G	ZNF480
GLG1. 1	4. 52E-14	-0. 12944	0. 19	0. 281	6. 76E-10	AC-G	GLG1
TXNRD2. 1	4. 56E-14	-0. 11378	0. 066	0. 128	6. 81E-10	AC-G	TXNRD2
ECHDC3	4. 57E-14	-0. 14678	0. 005	0. 038	6. 82E-10	AC-G	ECHDC3
NUTM2A-AS	4. 59E-14	-0. 17005	0. 075	0. 138	6. 86E-10	AC-G	NUTM2A-AS1
PLK1	4. 62E-14	-0. 16648	0. 019	0. 062	6. 90E-10	AC-G	PLK1
NRBP2. 1	4. 63E-14	-0. 10603	0. 068	0. 131	6. 91E-10	AC-G	NRBP2
NKX6-2	4. 63E-14	-0. 20182	0	0. 029	6. 92E-10	AC-G	NKX6-2
AC147651.	4. 71E-14	-0. 16143	0. 007	0. 042	7. 03E-10	AC-G	AC147651. 4
RP11-489C	4. 71E-14	-0. 17246	0. 002	0. 033	7. 04E-10	AC-G	RP11-489018. 1
SAR1A. 1	4. 73E-14	-0. 11754	0. 222	0. 313	7. 07E-10	AC-G	SAR1A
C10orf11.	4. 77E-14	-0. 2325	0. 055	0. 11	7. 13E-10	AC-G	C10orf11
ZADH2	4. 81E-14	-0. 13177	0. 055	0. 113	7. 18E-10	AC-G	ZADH2
CD7	4. 82E-14	-0. 2699	0. 011	0. 05	7. 20E-10	AC-G	CD7
P2RX7	4. 90E-14	-0. 18177	0. 04	0. 091	7. 32E-10	AC-G	P2RX7
HPS1	4. 91E-14	-0. 23723	0. 062	0. 12	7. 34E-10	AC-G	HPS1
EIF3J. 1	4. 95E-14	-0. 11887	0. 29	0. 395	7. 40E-10	AC-G	EIF3J

NCKAP5	5.08E-14	-0.13654	0.026	0.073	7.59E-10	AC-G	NCKAP5
APLP2.1	5.10E-14	-0.12615	0.489	0.613	7.62E-10	AC-G	APLP2
SIRT7	5.17E-14	-0.13387	0.139	0.219	7.72E-10	AC-G	SIRT7
OSTC.1	5.23E-14	0.320713	0.53	0.498	7.82E-10	AC-G	OSTC
EHMT1.1	5.26E-14	-0.14185	0.09	0.157	7.85E-10	AC-G	EHMT1
CNTNAP3B	5.30E-14	0.157729	0.062	0.029	7.92E-10	AC-G	CNTNAP3B
ADRBK2.1	5.42E-14	-0.15054	0.018	0.06	8.10E-10	AC-G	ADRBK2
RNF44.1	5.45E-14	-0.14828	0.064	0.123	8.14E-10	AC-G	RNF44
C14orf37	5.52E-14	-0.15854	0.062	0.121	8.24E-10	AC-G	C14orf37
SCAMP4.1	5.60E-14	-0.10628	0.195	0.283	8.36E-10	AC-G	SCAMP4
PDP1.1	5.66E-14	-0.11301	0.073	0.137	8.46E-10	AC-G	PDP1
AP005530.	5.66E-14	-0.16215	0.003	0.034	8.46E-10	AC-G	AP005530.2
ZCCHC11	5.76E-14	-0.11308	0.167	0.253	8.61E-10	AC-G	ZCCHC11
GLI4.1	5.95E-14	-0.15702	0.062	0.121	8.89E-10	AC-G	GLI4
CPEB2.1	6.00E-14	-0.10745	0.03	0.079	8.96E-10	AC-G	CPEB2
HSD11B1L.	6.10E-14	-0.13929	0.14	0.217	9.11E-10	AC-G	HSD11B1L
HSBP1.1	6.14E-14	0.221924	0.699	0.718	9.17E-10	AC-G	HSBP1
PIK3C2A.1	6.22E-14	-0.13154	0.084	0.151	9.29E-10	AC-G	PIK3C2A
NR1H2.1	6.34E-14	-0.16383	0.226	0.318	9.47E-10	AC-G	NR1H2
NEK2	6.55E-14	-0.11196	0.005	0.039	9.78E-10	AC-G	NEK2
C5orf28.1	6.61E-14	0.213353	0.166	0.11	9.88E-10	AC-G	C5orf28
PDIA4.1	6.64E-14	0.321741	0.483	0.457	9.92E-10	AC-G	PDIA4
MEGF9	6.71E-14	-0.13835	0.047	0.101	1.00E-09	AC-G	MEGF9
ARSB.1	6.76E-14	-0.10505	0.015	0.056	1.01E-09	AC-G	ARSB
INPPL1.1	6.83E-14	-0.12011	0.068	0.13	1.02E-09	AC-G	INPPL1
ZBED1.1	6.84E-14	-0.15346	0.085	0.15	1.02E-09	AC-G	ZBED1
MGMT.1	6.84E-14	-0.24453	0.098	0.162	1.02E-09	AC-G	MGMT
AKAP17A	6.90E-14	-0.17209	0.109	0.179	1.03E-09	AC-G	AKAP17A
PCED1B	6.99E-14	-0.15042	0.007	0.042	1.05E-09	AC-G	PCED1B
PI4K2A.1	7.00E-14	-0.17089	0.027	0.072	1.05E-09	AC-G	PI4K2A
ATF5.1	7.10E-14	-0.21649	0.132	0.206	1.06E-09	AC-G	ATF5
PEX26.1	7.12E-14	-0.10639	0.062	0.123	1.06E-09	AC-G	PEX26
CARD11	7.16E-14	-0.12347	0.002	0.033	1.07E-09	AC-G	CARD11
SLC40A1.1	7.23E-14	-0.16797	0.085	0.149	1.08E-09	AC-G	SLC40A1
ADAR	7.26E-14	-0.14833	0.228	0.323	1.08E-09	AC-G	ADAR
DDX39B.1	7.28E-14	-0.12307	0.06	0.119	1.09E-09	AC-G	DDX39B
TFRC.1	7.30E-14	-0.22957	0.147	0.221	1.09E-09	AC-G	TFRC
RP11-742E	7.37E-14	-0.16311	0.004	0.036	1.10E-09	AC-G	RP11-742B18.1
SCAF1.1	7.51E-14	-0.12262	0.095	0.165	1.12E-09	AC-G	SCAF1
ADAP1	7.53E-14	-0.16014	0.01	0.047	1.12E-09	AC-G	ADAP1
SDCCAG3.1	7.74E-14	-0.12996	0.049	0.104	1.16E-09	AC-G	SDCCAG3
ZNF775.1	7.89E-14	-0.1117	0.049	0.103	1.18E-09	AC-G	ZNF775
DENND5B.1	7.95E-14	-0.10397	0.049	0.105	1.19E-09	AC-G	DENND5B
MAPK8IP3	8.17E-14	-0.11651	0.043	0.097	1.22E-09	AC-G	MAPK8IP3
RP11-212F	8.30E-14	-0.11854	0.045	0.1	1.24E-09	AC-G	RP11-212P7.2
GAS2L1.1	8.33E-14	-0.11255	0.093	0.163	1.24E-09	AC-G	GAS2L1
CAMTA1.1	8.44E-14	-0.11328	0.364	0.466	1.26E-09	AC-G	CAMTA1
LINC00665	8.66E-14	0.279664	0.236	0.176	1.29E-09	AC-G	LINC00665
NFATC2	8.71E-14	-0.17809	0.014	0.053	1.30E-09	AC-G	NFATC2
FURIN.1	8.86E-14	-0.15102	0.031	0.079	1.32E-09	AC-G	FURIN
ZNF439.1	9.16E-14	-0.1067	0.09	0.159	1.37E-09	AC-G	ZNF439

RHBDD2.1	9.26E-14	0.280465	0.481	0.455	1.38E-09	AC-G	RHBDD2
PPARG	9.33E-14	-0.12615	0.001	0.029	1.39E-09	AC-G	PPARG
HNRNPLL.1	9.34E-14	-0.17084	0.129	0.203	1.40E-09	AC-G	HNRNPLL
DAPP1	9.47E-14	-0.14481	0.002	0.033	1.41E-09	AC-G	DAPP1
CNTRL.1	9.47E-14	-0.19691	0.068	0.128	1.41E-09	AC-G	CNTRL
MOAP1.1	9.64E-14	-0.13007	0.149	0.231	1.44E-09	AC-G	MOAP1
YEATS4.1	9.73E-14	-0.19643	0.183	0.265	1.45E-09	AC-G	YEATS4
MASP1	9.91E-14	0.174914	0.07	0.034	1.48E-09	AC-G	MASP1
UBE2W	9.99E-14	-0.11138	0.146	0.226	1.49E-09	AC-G	UBE2W
NFAM1	1.01E-13	-0.14809	0.006	0.039	1.51E-09	AC-G	NFAM1
DLG1.1	1.03E-13	-0.14027	0.106	0.177	1.53E-09	AC-G	DLG1
TMEM33.1	1.06E-13	-0.12264	0.21	0.3	1.58E-09	AC-G	TMEM33
GJB1	1.06E-13	-0.19912	0.001	0.029	1.58E-09	AC-G	GJB1
TUBB2A.1	1.07E-13	-0.17329	0.416	0.49	1.59E-09	AC-G	TUBB2A
HECTD4	1.09E-13	-0.11309	0.045	0.099	1.62E-09	AC-G	HECTD4
CCR5	1.10E-13	-0.12267	0.001	0.03	1.65E-09	AC-G	CCR5
DCTN4.1	1.13E-13	-0.14829	0.122	0.198	1.68E-09	AC-G	DCTN4
TM4SF1.1	1.17E-13	0.37492	0.155	0.104	1.74E-09	AC-G	TM4SF1
FADS3.1	1.17E-13	0.199153	0.197	0.14	1.75E-09	AC-G	FADS3
CLSPN.1	1.19E-13	-0.13875	0.025	0.069	1.77E-09	AC-G	CLSPN
DENR.1	1.22E-13	-0.1123	0.24	0.336	1.82E-09	AC-G	DENR
ENTPD4.1	1.23E-13	-0.1187	0.048	0.102	1.84E-09	AC-G	ENTPD4
TBCA.1	1.25E-13	0.240653	0.727	0.707	1.87E-09	AC-G	TBCA
CTD-2090I	1.25E-13	0.185847	0.089	0.046	1.87E-09	AC-G	CTD-2090I13.1
IFFO1.1	1.26E-13	-0.12831	0.068	0.128	1.88E-09	AC-G	IFFO1
RP11-676J	1.27E-13	-0.10488	0.004	0.036	1.89E-09	AC-G	RP11-676J15.1
PIF1	1.27E-13	-0.11963	0.017	0.057	1.90E-09	AC-G	PIF1
HSP90AA1.	1.27E-13	0.123957	0.829	0.9	1.90E-09	AC-G	HSP90AA1
PHF6.1	1.29E-13	-0.1563	0.111	0.181	1.93E-09	AC-G	PHF6
LCORL	1.31E-13	-0.11424	0.051	0.107	1.96E-09	AC-G	LCORL
AMDHD2.1	1.37E-13	-0.16661	0.072	0.133	2.05E-09	AC-G	AMDHD2
ABHD8.1	1.39E-13	-0.13796	0.089	0.156	2.08E-09	AC-G	ABHD8
STAT5A.1	1.40E-13	-0.15828	0.018	0.058	2.09E-09	AC-G	STAT5A
KIF3B.1	1.43E-13	-0.1046	0.076	0.14	2.14E-09	AC-G	KIF3B
CTTN.1	1.43E-13	0.300364	0.279	0.22	2.14E-09	AC-G	CTTN
ERF.1	1.44E-13	-0.12114	0.114	0.189	2.15E-09	AC-G	ERF
PTPRD.1	1.48E-13	-0.17977	0.033	0.08	2.21E-09	AC-G	PTPRD
TRIM14.1	1.49E-13	-0.13898	0.048	0.101	2.23E-09	AC-G	TRIM14
RAP2A	1.51E-13	-0.12411	0.078	0.142	2.26E-09	AC-G	RAP2A
PCSK7.1	1.52E-13	-0.15523	0.206	0.296	2.27E-09	AC-G	PCSK7
SRCIN1	1.53E-13	-0.14591	0.004	0.036	2.29E-09	AC-G	SRCIN1
GTDC1	1.54E-13	-0.12985	0.053	0.108	2.30E-09	AC-G	GTDC1
C19orf25.	1.54E-13	-0.13716	0.221	0.314	2.30E-09	AC-G	C19orf25
LTB	1.55E-13	-0.20176	0.005	0.038	2.31E-09	AC-G	LTB
DNALI1.1	1.55E-13	0.318365	0.155	0.105	2.32E-09	AC-G	DNALI1
HAPLN2	1.56E-13	-0.17514	0.005	0.038	2.33E-09	AC-G	HAPLN2
CDC27.1	1.63E-13	-0.12517	0.104	0.174	2.44E-09	AC-G	CDC27
LNPEP.1	1.66E-13	-0.16405	0.073	0.134	2.49E-09	AC-G	LNPEP
KLF5	1.68E-13	0.112985	0.051	0.022	2.51E-09	AC-G	KLF5
KPNA3.1	1.71E-13	-0.16876	0.186	0.269	2.56E-09	AC-G	KPNA3
MLF1	1.73E-13	0.281839	0.29	0.232	2.59E-09	AC-G	MLF1



ALOX15B	1.74E-13	-0.15368	0.002	0.031	2.61E-09	AC-G	ALOX15B
PCMT1.1	1.77E-13	0.241929	0.545	0.54	2.64E-09	AC-G	PCMT1
STAU2.1	1.77E-13	-0.11172	0.113	0.185	2.64E-09	AC-G	STAU2
SEPT11.1	1.78E-13	-0.13435	0.229	0.317	2.65E-09	AC-G	11-Sep
LILRB3	1.79E-13	-0.16829	0.01	0.046	2.67E-09	AC-G	LILRB3
TNS3.1	1.79E-13	-0.20642	0.034	0.081	2.68E-09	AC-G	TNS3
MCM2	1.80E-13	-0.12454	0.027	0.073	2.69E-09	AC-G	MCM2
RAB4A.1	1.84E-13	-0.13725	0.262	0.356	2.76E-09	AC-G	RAB4A
ZNF639.1	1.89E-13	-0.10882	0.082	0.147	2.83E-09	AC-G	ZNF639
NAA30.1	1.92E-13	-0.11478	0.043	0.095	2.87E-09	AC-G	NAA30
SUGP2	1.95E-13	-0.11087	0.173	0.26	2.91E-09	AC-G	SUGP2
ABI2	1.96E-13	-0.12603	0.283	0.377	2.93E-09	AC-G	ABI2
LMO4.1	1.97E-13	-0.11028	0.396	0.494	2.94E-09	AC-G	LMO4
NUP107.1	2.02E-13	-0.19208	0.159	0.236	3.02E-09	AC-G	NUP107
D2HGDH.1	2.03E-13	-0.10858	0.06	0.118	3.03E-09	AC-G	D2HGDH
TMEM63A	2.04E-13	-0.15858	0.031	0.078	3.05E-09	AC-G	TMEM63A
PLEKHA1.1	2.09E-13	-0.16342	0.053	0.108	3.12E-09	AC-G	PLEKHA1
USP46.1	2.11E-13	-0.12874	0.084	0.148	3.15E-09	AC-G	USP46
COPS6.1	2.14E-13	0.265474	0.608	0.603	3.20E-09	AC-G	COPS6
EIF4EBP3	2.14E-13	0.103964	0.023	0.006	3.20E-09	AC-G	EIF4EBP3
SUSD4	2.17E-13	0.148428	0.071	0.035	3.24E-09	AC-G	SUSD4
RASGRP2.1	2.18E-13	-0.15855	0.018	0.058	3.26E-09	AC-G	RASGRP2
CASP1.1	2.19E-13	-0.17725	0.164	0.238	3.27E-09	AC-G	CASP1
DHTKD1	2.27E-13	-0.14133	0.074	0.135	3.39E-09	AC-G	DHTKD1
GPSM1.1	2.32E-13	-0.11806	0.033	0.081	3.47E-09	AC-G	GPSM1
RP11-403I	2.35E-13	-0.19639	0.006	0.039	3.51E-09	AC-G	RP11-403I13.5
MAP2K1.1	2.35E-13	-0.11648	0.195	0.283	3.51E-09	AC-G	MAP2K1
NDUFB4.1	2.41E-13	0.244797	0.673	0.681	3.59E-09	AC-G	NDUFB4
ZNF195.1	2.41E-13	-0.14801	0.105	0.173	3.60E-09	AC-G	ZNF195
GNS.1	2.42E-13	-0.13792	0.135	0.212	3.61E-09	AC-G	GNS
IKBKE.1	2.51E-13	-0.15848	0.021	0.063	3.74E-09	AC-G	IKBKE
NDUFB7.1	2.53E-13	0.248367	0.724	0.719	3.78E-09	AC-G	NDUFB7
NKIRAS2	2.53E-13	-0.11821	0.191	0.277	3.79E-09	AC-G	NKIRAS2
SESN2.1	2.53E-13	0.17421	0.149	0.095	3.79E-09	AC-G	SESN2
STAG2	2.61E-13	-0.17077	0.174	0.256	3.90E-09	AC-G	STAG2
EGR1	2.66E-13	-0.12772	0.414	0.512	3.98E-09	AC-G	EGR1
AP000439.	2.68E-13	-0.16803	0.002	0.032	4.01E-09	AC-G	AP000439.1
CEACAM4	2.70E-13	-0.11924	0.001	0.028	4.04E-09	AC-G	CEACAM4
RP11-212I	2.71E-13	-0.13587	0	0.027	4.05E-09	AC-G	RP11-212I21.4
CAMSAP2	2.81E-13	-0.10313	0.093	0.16	4.19E-09	AC-G	CAMSAP2
FFAR4	2.82E-13	-0.14499	0.004	0.035	4.22E-09	AC-G	FFAR4
XPO6.1	2.88E-13	-0.10678	0.065	0.125	4.30E-09	AC-G	XPO6
KLHL2.1	2.92E-13	-0.10198	0.042	0.093	4.36E-09	AC-G	KLHL2
GOT2	2.94E-13	-0.10295	0.133	0.209	4.39E-09	AC-G	GOT2
KBTBD2.1	2.96E-13	-0.11503	0.066	0.124	4.42E-09	AC-G	KBTBD2
KCNK6	3.02E-13	-0.1611	0.01	0.045	4.52E-09	AC-G	KCNK6
ICK.1	3.14E-13	-0.12203	0.042	0.093	4.69E-09	AC-G	ICK
SPG7.1	3.14E-13	-0.17692	0.173	0.254	4.69E-09	AC-G	SPG7
ARHGAP23	3.15E-13	-0.10852	0.018	0.059	4.70E-09	AC-G	ARHGAP23
KLF12.1	3.18E-13	-0.10219	0.042	0.093	4.75E-09	AC-G	KLF12
CNOT1.1	3.30E-13	-0.15564	0.094	0.16	4.93E-09	AC-G	CNOT1

TOR1A. 1	3. 30E-13	-0. 10681	0. 191	0. 275	4. 93E-09	AC-G	TOR1A
ULK3	3. 34E-13	-0. 1469	0. 092	0. 156	5. 00E-09	AC-G	ULK3
SARS2. 1	3. 40E-13	-0. 10056	0. 034	0. 083	5. 08E-09	AC-G	SARS2
SRRM3. 1	3. 46E-13	-0. 16815	0. 033	0. 08	5. 17E-09	AC-G	SRRM3
TAC01. 1	3. 47E-13	-0. 11056	0. 114	0. 186	5. 19E-09	AC-G	TAC01
GRIPAP1. 1	3. 49E-13	-0. 12416	0. 13	0. 205	5. 21E-09	AC-G	GRIPAP1
ICAM2	3. 54E-13	-0. 17769	0. 007	0. 04	5. 28E-09	AC-G	ICAM2
GAB3	3. 72E-13	-0. 13886	0. 006	0. 038	5. 55E-09	AC-G	GAB3
EMX2	3. 72E-13	0. 150282	0. 053	0. 024	5. 56E-09	AC-G	EMX2
RP11-536K	3. 80E-13	-0. 20062	0. 008	0. 043	5. 67E-09	AC-G	RP11-536K7. 3
NFKB1. 1	3. 83E-13	-0. 21782	0. 059	0. 113	5. 72E-09	AC-G	NFKB1
TTC26. 1	3. 83E-13	0. 165749	0. 079	0. 042	5. 72E-09	AC-G	TTC26
SCLT1. 1	3. 91E-13	-0. 12947	0. 03	0. 076	5. 85E-09	AC-G	SCLT1
RFTN2. 1	3. 98E-13	-0. 15489	0. 077	0. 137	5. 95E-09	AC-G	RFTN2
VCPIP1. 1	3. 99E-13	-0. 11795	0. 046	0. 098	5. 97E-09	AC-G	VCPIP1
ILKAP. 1	4. 06E-13	-0. 14646	0. 162	0. 242	6. 07E-09	AC-G	ILKAP
KDM2A	4. 17E-13	-0. 12254	0. 075	0. 137	6. 23E-09	AC-G	KDM2A
SSR1	4. 29E-13	-0. 12274	0. 374	0. 487	6. 41E-09	AC-G	SSR1
TLR4	4. 31E-13	-0. 14202	0. 011	0. 047	6. 44E-09	AC-G	TLR4
KCNE3	4. 33E-13	-0. 11796	0. 002	0. 031	6. 47E-09	AC-G	KCNE3
FBRSL1	4. 37E-13	-0. 10986	0. 02	0. 062	6. 52E-09	AC-G	FBRSL1
UBR4. 1	4. 42E-13	-0. 10775	0. 089	0. 156	6. 61E-09	AC-G	UBR4
ZNF628	4. 48E-13	-0. 10315	0. 018	0. 058	6. 69E-09	AC-G	ZNF628
NUMB. 1	4. 50E-13	-0. 17246	0. 113	0. 182	6. 72E-09	AC-G	NUMB
ATP6VOA2	4. 51E-13	-0. 10272	0. 051	0. 104	6. 74E-09	AC-G	ATP6VOA2
KATNB1. 1	4. 53E-13	-0. 11693	0. 07	0. 129	6. 77E-09	AC-G	KATNB1
MEF2D	4. 53E-13	-0. 16712	0. 034	0. 081	6. 77E-09	AC-G	MEF2D
RAB3IP	4. 62E-13	-0. 22835	0. 183	0. 259	6. 91E-09	AC-G	RAB3IP
ASF1B. 1	4. 87E-13	-0. 12448	0. 024	0. 067	7. 28E-09	AC-G	ASF1B
TLE2. 1	4. 91E-13	-0. 12206	0. 047	0. 099	7. 34E-09	AC-G	TLE2
TMEM116	5. 01E-13	0. 197376	0. 099	0. 056	7. 48E-09	AC-G	TMEM116
SPAG5	5. 04E-13	-0. 10732	0. 013	0. 05	7. 53E-09	AC-G	SPAG5
SURF2. 1	5. 06E-13	-0. 10334	0. 164	0. 245	7. 56E-09	AC-G	SURF2
SCYL2. 1	5. 09E-13	-0. 11904	0. 082	0. 145	7. 61E-09	AC-G	SCYL2
SLC38A7	5. 09E-13	-0. 13211	0. 061	0. 117	7. 61E-09	AC-G	SLC38A7
PTDSS1. 1	5. 13E-13	-0. 13594	0. 139	0. 214	7. 66E-09	AC-G	PTDSS1
RC3H1. 1	5. 16E-13	-0. 13125	0. 054	0. 11	7. 71E-09	AC-G	RC3H1
PDZRN4	5. 17E-13	-0. 14127	0. 009	0. 044	7. 73E-09	AC-G	PDZRN4
SLC18B1. 1	5. 18E-13	-0. 12258	0. 119	0. 19	7. 74E-09	AC-G	SLC18B1
FANCA	5. 30E-13	-0. 10772	0. 023	0. 065	7. 92E-09	AC-G	FANCA
TRAPPC11	5. 33E-13	-0. 10491	0. 042	0. 093	7. 96E-09	AC-G	TRAPPC11
RP11-514C	5. 37E-13	-0. 1239	0. 003	0. 032	8. 03E-09	AC-G	RP11-514012. 4
ISCU. 1	5. 38E-13	-0. 10389	0. 469	0. 585	8. 04E-09	AC-G	ISCU
DIP2C. 1	5. 44E-13	-0. 13693	0. 042	0. 093	8. 13E-09	AC-G	DIP2C
CD72	5. 47E-13	-0. 17998	0. 018	0. 057	8. 17E-09	AC-G	CD72
C19orf48.	5. 52E-13	-0. 11248	0. 161	0. 24	8. 25E-09	AC-G	C19orf48
RFWD2. 1	5. 56E-13	-0. 14754	0. 108	0. 176	8. 30E-09	AC-G	RFWD2
SIRT2. 1	5. 73E-13	-0. 14279	0. 332	0. 432	8. 56E-09	AC-G	SIRT2
DCAF13	5. 76E-13	0. 270722	0. 365	0. 308	8. 60E-09	AC-G	DCAF13
XBP1. 1	5. 91E-13	-0. 14414	0. 29	0. 387	8. 83E-09	AC-G	XBP1
PACS1. 1	5. 94E-13	-0. 11025	0. 051	0. 105	8. 88E-09	AC-G	PACS1

ATF7IP.1	5.96E-13	-0.15201	0.065	0.121	8.90E-09	AC-G	ATF7IP
NADSYN1.1	6.04E-13	-0.10093	0.07	0.13	9.02E-09	AC-G	NADSYN1
PTCRA	6.04E-13	-0.12941	0.001	0.028	9.03E-09	AC-G	PTCRA
VAX2.1	6.09E-13	-0.12443	0.039	0.088	9.10E-09	AC-G	VAX2
LILRA4	6.15E-13	-0.14523	0.001	0.028	9.20E-09	AC-G	LILRA4
TNFAIP3.1	6.32E-13	-0.3042	0.112	0.173	9.44E-09	AC-G	TNFAIP3
BNIP3	6.41E-13	0.332704	0.263	0.205	9.57E-09	AC-G	BNIP3
GMFB	6.44E-13	-0.12059	0.144	0.221	9.63E-09	AC-G	GMFB
RUNDC3A.1	6.54E-13	-0.1577	0.053	0.106	9.77E-09	AC-G	RUNDC3A
USP7.1	6.54E-13	-0.10995	0.083	0.145	9.78E-09	AC-G	USP7
INPP4A.1	6.64E-13	-0.12395	0.055	0.11	9.93E-09	AC-G	INPP4A
PIK3CD	6.76E-13	-0.13268	0.005	0.036	1.01E-08	AC-G	PIK3CD
SUPT16H.1	6.78E-13	-0.12099	0.178	0.262	1.01E-08	AC-G	SUPT16H
TMEM125	6.89E-13	-0.1676	0	0.026	1.03E-08	AC-G	TMEM125
ZNF37A.1	7.02E-13	-0.11587	0.086	0.149	1.05E-08	AC-G	ZNF37A
MICU1.1	7.04E-13	-0.11873	0.082	0.144	1.05E-08	AC-G	MICU1
VPS18	7.16E-13	-0.10752	0.038	0.087	1.07E-08	AC-G	VPS18
AGAP3	7.18E-13	-0.15531	0.055	0.108	1.07E-08	AC-G	AGAP3
TSPAN6.1	7.32E-13	0.335935	0.194	0.141	1.09E-08	AC-G	TSPAN6
TMEM134.1	7.49E-13	-0.10859	0.235	0.324	1.12E-08	AC-G	TMEM134
TUBB3	7.51E-13	0.110389	0.008	0.001	1.12E-08	AC-G	TUBB3
SP9	7.64E-13	-0.1329	0.011	0.046	1.14E-08	AC-G	SP9
SNAI1	7.75E-13	-0.19052	0.014	0.051	1.16E-08	AC-G	SNAI1
AKIRIN1.1	7.75E-13	-0.11329	0.282	0.385	1.16E-08	AC-G	AKIRIN1
FICD	7.91E-13	0.178324	0.116	0.071	1.18E-08	AC-G	FICD
BROX.1	8.00E-13	-0.14829	0.167	0.248	1.20E-08	AC-G	BROX
IRF2BP2.1	8.11E-13	-0.13882	0.238	0.331	1.21E-08	AC-G	IRF2BP2
DAP.1	8.25E-13	-0.10648	0.203	0.291	1.23E-08	AC-G	DAP
TMOD3.1	8.46E-13	-0.11263	0.089	0.155	1.26E-08	AC-G	TMOD3
MICU3.1	8.53E-13	-0.16339	0.042	0.09	1.27E-08	AC-G	MICU3
MGAT5.1	8.59E-13	-0.14202	0.03	0.075	1.28E-08	AC-G	MGAT5
RP11-445F	8.70E-13	-0.12246	0.004	0.033	1.30E-08	AC-G	RP11-445F12.1
DERL2.1	8.74E-13	0.314722	0.396	0.343	1.31E-08	AC-G	DERL2
PSTPIP1	8.74E-13	-0.16151	0.011	0.047	1.31E-08	AC-G	PSTPIP1
PLEKHF2.1	8.82E-13	-0.14895	0.078	0.138	1.32E-08	AC-G	PLEKHF2
RAB42.1	8.88E-13	-0.14614	0.017	0.055	1.33E-08	AC-G	RAB42
CASD1.1	8.94E-13	-0.12745	0.037	0.085	1.34E-08	AC-G	CASD1
WDR91.1	9.07E-13	-0.17608	0.044	0.094	1.36E-08	AC-G	WDR91
UQCRQ.1	9.10E-13	0.209811	0.768	0.805	1.36E-08	AC-G	UQCRQ
TRIM44.1	9.14E-13	-0.12727	0.212	0.301	1.37E-08	AC-G	TRIM44
OTUD5.1	9.30E-13	-0.1283	0.082	0.145	1.39E-08	AC-G	OTUD5
BCL3.1	9.36E-13	-0.12134	0.037	0.085	1.40E-08	AC-G	BCL3
SLC25A33.	9.37E-13	-0.11257	0.151	0.231	1.40E-08	AC-G	SLC25A33
SLC46A1.1	9.47E-13	-0.10857	0.025	0.068	1.41E-08	AC-G	SLC46A1
OPN3.1	9.55E-13	-0.1267	0.033	0.079	1.43E-08	AC-G	OPN3
SBF1.1	9.58E-13	-0.11633	0.029	0.074	1.43E-08	AC-G	SBF1
MLXIPL	9.78E-13	-0.17874	0.01	0.045	1.46E-08	AC-G	MLXIPL
TESK1.1	9.82E-13	-0.10859	0.04	0.089	1.47E-08	AC-G	TESK1
LPGAT1.1	9.90E-13	-0.12972	0.078	0.138	1.48E-08	AC-G	LPGAT1
PHF11.1	9.92E-13	-0.1549	0.089	0.152	1.48E-08	AC-G	PHF11
TRIM22.1	9.95E-13	-0.23079	0.085	0.144	1.49E-08	AC-G	TRIM22

MAML3	1. 01E-12	-0. 13495	0. 008	0. 041	1. 51E-08	AC-G	MAML3
SCAF4	1. 04E-12	-0. 1269	0. 087	0. 151	1. 56E-08	AC-G	SCAF4
CTA-384D8	1. 09E-12	-0. 11761	0. 001	0. 028	1. 63E-08	AC-G	CTA-384D8. 34
VPS36. 1	1. 10E-12	-0. 11455	0. 138	0. 213	1. 65E-08	AC-G	VPS36
PIGS. 1	1. 11E-12	-0. 10436	0. 122	0. 194	1. 65E-08	AC-G	PIGS
GALNT10. 1	1. 12E-12	-0. 12329	0. 051	0. 103	1. 67E-08	AC-G	GALNT10
H2AFX. 1	1. 12E-12	-0. 21699	0. 162	0. 231	1. 67E-08	AC-G	H2AFX
TSPAN33	1. 14E-12	-0. 14623	0. 013	0. 048	1. 70E-08	AC-G	TSPAN33
CARNS1	1. 14E-12	-0. 21884	0. 004	0. 033	1. 70E-08	AC-G	CARNS1
NPPA	1. 14E-12	-0. 14889	0. 004	0. 033	1. 71E-08	AC-G	NPPA
MAZ. 1	1. 17E-12	-0. 11793	0. 181	0. 264	1. 74E-08	AC-G	MAZ
CD2AP. 1	1. 18E-12	-0. 11447	0. 041	0. 09	1. 76E-08	AC-G	CD2AP
DUSP14. 1	1. 18E-12	0. 348352	0. 224	0. 17	1. 77E-08	AC-G	DUSP14
NHSL2	1. 20E-12	0. 124485	0. 086	0. 045	1. 79E-08	AC-G	NHSL2
PICK1. 1	1. 25E-12	-0. 17129	0. 046	0. 096	1. 87E-08	AC-G	PICK1
LTB4R	1. 25E-12	-0. 1178	0. 007	0. 039	1. 87E-08	AC-G	LTB4R
RP11-353N	1. 28E-12	-0. 1241	0	0. 026	1. 92E-08	AC-G	RP11-353N4. 5
APOBEC3G.	1. 31E-12	-0. 18498	0. 071	0. 127	1. 96E-08	AC-G	APOBEC3G
MAN1A2. 1	1. 32E-12	-0. 11191	0. 141	0. 216	1. 97E-08	AC-G	MAN1A2
SART1. 1	1. 34E-12	-0. 13519	0. 137	0. 21	2. 00E-08	AC-G	SART1
ZNF550. 1	1. 34E-12	0. 158058	0. 079	0. 042	2. 01E-08	AC-G	ZNF550
PIAS1. 1	1. 35E-12	-0. 17186	0. 104	0. 169	2. 02E-08	AC-G	PIAS1
LHFP. 1	1. 38E-12	0. 391133	0. 281	0. 222	2. 07E-08	AC-G	LHFP
MFS7	1. 42E-12	-0. 11237	0. 006	0. 037	2. 12E-08	AC-G	MFS7
RALGAP1.	1. 47E-12	-0. 16018	0. 08	0. 14	2. 19E-08	AC-G	RALGAP1
LINC01152	1. 48E-12	0. 202753	0. 042	0. 017	2. 21E-08	AC-G	LINC01152
LRCH3. 1	1. 50E-12	-0. 10863	0. 085	0. 148	2. 24E-08	AC-G	LRCH3
CAP1	1. 51E-12	-0. 12371	0. 497	0. 611	2. 26E-08	AC-G	CAP1
TMEM151A	1. 52E-12	-0. 14035	0. 013	0. 048	2. 27E-08	AC-G	TMEM151A
FBXW2. 1	1. 53E-12	-0. 12844	0. 13	0. 205	2. 29E-08	AC-G	FBXW2
MED24. 1	1. 57E-12	-0. 11699	0. 111	0. 179	2. 35E-08	AC-G	MED24
PHGDH. 1	1. 58E-12	0. 233835	0. 25	0. 19	2. 36E-08	AC-G	PHGDH
TRAPPC10.	1. 61E-12	-0. 136	0. 05	0. 101	2. 40E-08	AC-G	TRAPPC10
AATK	1. 65E-12	-0. 19325	0. 007	0. 038	2. 46E-08	AC-G	AATK
SELO. 1	1. 65E-12	-0. 11457	0. 028	0. 072	2. 47E-08	AC-G	SELO
WDFY4	1. 67E-12	-0. 13057	0. 003	0. 031	2. 50E-08	AC-G	WDFY4
TMEM144. 1	1. 69E-12	-0. 32919	0. 039	0. 085	2. 53E-08	AC-G	TMEM144
DNAJC13. 1	1. 71E-12	-0. 13317	0. 034	0. 08	2. 56E-08	AC-G	DNAJC13
PNPLA2. 1	1. 72E-12	-0. 14511	0. 149	0. 224	2. 56E-08	AC-G	PNPLA2
ZYX. 1	1. 77E-12	-0. 13928	0. 325	0. 417	2. 64E-08	AC-G	ZYX
SULF2. 1	1. 78E-12	-0. 14023	0. 105	0. 17	2. 66E-08	AC-G	SULF2
R3HDM4. 1	1. 79E-12	-0. 11114	0. 138	0. 212	2. 68E-08	AC-G	R3HDM4
ZYG11B. 1	1. 79E-12	-0. 12475	0. 095	0. 159	2. 68E-08	AC-G	ZYG11B
AP2B1	1. 82E-12	-0. 10467	0. 264	0. 355	2. 71E-08	AC-G	AP2B1
TCTN1	1. 90E-12	0. 363869	0. 255	0. 203	2. 84E-08	AC-G	TCTN1
SYAP1	1. 92E-12	-0. 14713	0. 308	0. 402	2. 87E-08	AC-G	SYAP1
PLVAP	1. 93E-12	-0. 15068	0. 005	0. 035	2. 89E-08	AC-G	PLVAP
TMEM87B. 1	1. 95E-12	-0. 12403	0. 03	0. 074	2. 91E-08	AC-G	TMEM87B
MAPK13	1. 97E-12	-0. 11922	0. 005	0. 036	2. 94E-08	AC-G	MAPK13
FLII. 1	1. 98E-12	-0. 12799	0. 128	0. 198	2. 95E-08	AC-G	FLII
AGO1. 1	2. 02E-12	-0. 12844	0. 048	0. 098	3. 01E-08	AC-G	AGO1

RNF13.1	2.03E-12	-0.1446	0.4	0.496	3.03E-08	AC-G	RNF13
RP11-597E	2.03E-12	-0.15048	0.001	0.027	3.03E-08	AC-G	RP11-597D13.8
RNF5	2.03E-12	-0.11712	0.308	0.406	3.04E-08	AC-G	RNF5
CC2D1A	2.04E-12	-0.12852	0.126	0.198	3.05E-08	AC-G	CC2D1A
CEP135.1	2.05E-12	-0.12688	0.04	0.088	3.07E-08	AC-G	CEP135
FAR1.1	2.08E-12	-0.11926	0.085	0.147	3.10E-08	AC-G	FAR1
TMEM50B.1	2.08E-12	0.291449	0.347	0.294	3.11E-08	AC-G	TMEM50B
XIAP.1	2.09E-12	-0.13434	0.149	0.226	3.12E-08	AC-G	XIAP
TMEM57.1	2.12E-12	-0.15895	0.118	0.186	3.17E-08	AC-G	TMEM57
TNRC6C.1	2.14E-12	-0.10867	0.114	0.183	3.20E-08	AC-G	TNRC6C
MAST4	2.14E-12	0.169816	0.084	0.046	3.20E-08	AC-G	MAST4
RUFY1.1	2.16E-12	-0.10368	0.098	0.163	3.23E-08	AC-G	RUFY1
SLC05A1	2.17E-12	-0.12251	0.012	0.047	3.24E-08	AC-G	SLC05A1
CHPF.1	2.19E-12	0.278112	0.299	0.251	3.27E-08	AC-G	CHPF
FAM122A.1	2.24E-12	-0.14224	0.091	0.154	3.35E-08	AC-G	FAM122A
CROT.1	2.26E-12	0.311604	0.176	0.124	3.37E-08	AC-G	CROT
FAM222A	2.31E-12	-0.11069	0.005	0.034	3.45E-08	AC-G	FAM222A
MOGS	2.31E-12	-0.12048	0.074	0.133	3.46E-08	AC-G	MOGS
TIAM1	2.32E-12	-0.12719	0.039	0.087	3.47E-08	AC-G	TIAM1
SESN1.1	2.32E-12	-0.22265	0.059	0.11	3.47E-08	AC-G	SESN1
FAM20A.1	2.34E-12	-0.20278	0.026	0.066	3.49E-08	AC-G	FAM20A
CCDC6	2.36E-12	-0.10991	0.063	0.12	3.53E-08	AC-G	CCDC6
KCNQ10T1.1	2.40E-12	-0.19477	0.213	0.291	3.59E-08	AC-G	KCNQ10T1
DTNBP1.1	2.47E-12	-0.13988	0.144	0.219	3.68E-08	AC-G	DTNBP1
PTBP1.1	2.54E-12	-0.10432	0.243	0.339	3.80E-08	AC-G	PTBP1
NCEH1	2.55E-12	-0.12736	0.031	0.075	3.81E-08	AC-G	NCEH1
TNRC18.1	2.61E-12	-0.12803	0.036	0.082	3.89E-08	AC-G	TNRC18
COPA.1	2.62E-12	-0.11653	0.237	0.328	3.92E-08	AC-G	COPA
ISG20L2	2.62E-12	-0.14036	0.161	0.237	3.92E-08	AC-G	ISG20L2
PWP2.1	2.65E-12	-0.19496	0.076	0.133	3.96E-08	AC-G	PWP2
ACOT9.1	2.67E-12	-0.12153	0.124	0.193	3.99E-08	AC-G	ACOT9
RP11-347F	2.69E-12	-0.26845	0.029	0.071	4.01E-08	AC-G	RP11-347P5.1
BAK1.1	2.73E-12	-0.13557	0.069	0.125	4.07E-08	AC-G	BAK1
IL27RA	2.78E-12	-0.11703	0.022	0.062	4.16E-08	AC-G	IL27RA
DUSP8	2.86E-12	-0.12353	0.019	0.057	4.28E-08	AC-G	DUSP8
MPZL1.1	2.94E-12	-0.15816	0.184	0.261	4.40E-08	AC-G	MPZL1
ASNS.1	2.97E-12	0.237841	0.226	0.167	4.43E-08	AC-G	ASNS
GOPC.1	2.98E-12	-0.11274	0.188	0.271	4.45E-08	AC-G	GOPC
SMAP1.1	3.00E-12	-0.12431	0.225	0.312	4.48E-08	AC-G	SMAP1
CPOX.1	3.01E-12	-0.10485	0.033	0.078	4.50E-08	AC-G	CPOX
CHCHD7	3.01E-12	-0.13567	0.22	0.299	4.50E-08	AC-G	CHCHD7
REEP5.1	3.03E-12	0.223447	0.596	0.582	4.53E-08	AC-G	REEP5
PAPD5.1	3.19E-12	-0.11204	0.04	0.088	4.77E-08	AC-G	PAPD5
PTPN4.1	3.19E-12	-0.1193	0.057	0.111	4.77E-08	AC-G	PTPN4
RIF1	3.25E-12	-0.11688	0.158	0.232	4.86E-08	AC-G	RIF1
PPP1R16A	3.26E-12	0.244072	0.214	0.16	4.88E-08	AC-G	PPP1R16A
MPG.1	3.28E-12	-0.10371	0.265	0.361	4.90E-08	AC-G	MPG
DLD.1	3.35E-12	0.319384	0.386	0.336	5.00E-08	AC-G	DLD
PIEZO1.1	3.39E-12	-0.10733	0.032	0.077	5.06E-08	AC-G	PIEZO1
ZDHHC3.1	3.45E-12	-0.11666	0.139	0.211	5.15E-08	AC-G	ZDHHC3
KDM4B.1	3.48E-12	-0.12374	0.082	0.142	5.20E-08	AC-G	KDM4B

ANTXR1.1	3.60E-12	-0.12124	0.049	0.099	5.38E-08	AC-G	ANTXR1
SCARF1	3.62E-12	-0.10969	0.003	0.031	5.41E-08	AC-G	SCARF1
RAPGEF5	3.62E-12	-0.19449	0.013	0.048	5.41E-08	AC-G	RAPGEF5
PLAGL1	3.64E-12	-0.13341	0.012	0.046	5.44E-08	AC-G	PLAGL1
KB-1507C5	3.67E-12	-0.12346	0.002	0.028	5.49E-08	AC-G	KB-1507C5.4
KAT2B.1	3.70E-12	-0.10015	0.034	0.079	5.54E-08	AC-G	KAT2B
HRCT1	3.75E-12	0.175415	0.052	0.024	5.61E-08	AC-G	HRCT1
EPS15.1	3.78E-12	-0.18704	0.099	0.16	5.65E-08	AC-G	EPS15
RASA3.1	3.81E-12	-0.15341	0.052	0.102	5.70E-08	AC-G	RASA3
TNFRSF11A	3.90E-12	-0.11121	0.002	0.029	5.82E-08	AC-G	TNFRSF11A
ERBB4.1	3.90E-12	-0.12793	0.025	0.065	5.83E-08	AC-G	ERBB4
FAM149A	4.02E-12	-0.13448	0.007	0.037	6.01E-08	AC-G	FAM149A
ADIPOR2.1	4.04E-12	-0.19995	0.099	0.16	6.04E-08	AC-G	ADIPOR2
CSTB.1	4.04E-12	0.197876	0.672	0.693	6.04E-08	AC-G	CSTB
GUCD1.1	4.04E-12	-0.11403	0.074	0.132	6.04E-08	AC-G	GUCD1
NME7.1	4.05E-12	0.277084	0.206	0.152	6.05E-08	AC-G	NME7
KPNA4.1	4.08E-12	-0.11298	0.122	0.191	6.10E-08	AC-G	KPNA4
CELF1.1	4.11E-12	-0.11023	0.233	0.322	6.14E-08	AC-G	CELF1
NDRG4.1	4.14E-12	-0.11951	0.106	0.171	6.18E-08	AC-G	NDRG4
FAM84B.1	4.24E-12	-0.13303	0.046	0.095	6.34E-08	AC-G	FAM84B
WTAP.1	4.30E-12	0.300874	0.428	0.419	6.42E-08	AC-G	WTAP
TMEM100.1	4.35E-12	0.225349	0.13	0.081	6.50E-08	AC-G	TMEM100
MDM2.1	4.43E-12	-0.17039	0.147	0.218	6.62E-08	AC-G	MDM2
EIF4E.1	4.49E-12	-0.10753	0.403	0.505	6.71E-08	AC-G	EIF4E
TMEM208.1	4.61E-12	0.269184	0.491	0.462	6.89E-08	AC-G	TMEM208
TMA7.1	4.74E-12	0.186992	0.815	0.858	7.08E-08	AC-G	TMA7
SIGLEC1	4.81E-12	-0.14184	0.005	0.034	7.19E-08	AC-G	SIGLEC1
TOR4A	4.81E-12	-0.10429	0.003	0.03	7.19E-08	AC-G	TOR4A
SUMF2	4.83E-12	-0.11881	0.265	0.358	7.21E-08	AC-G	SUMF2
GALNT7.1	4.83E-12	-0.10947	0.048	0.098	7.22E-08	AC-G	GALNT7
ATP9B	4.87E-12	-0.11689	0.039	0.086	7.28E-08	AC-G	ATP9B
PHLPP1.1	4.94E-12	-0.1125	0.044	0.093	7.39E-08	AC-G	PHLPP1
PNO1	5.00E-12	0.236068	0.251	0.193	7.47E-08	AC-G	PNO1
DCAF5.1	5.08E-12	-0.11729	0.083	0.143	7.59E-08	AC-G	DCAF5
GLUD1.1	5.27E-12	-0.18594	0.187	0.26	7.88E-08	AC-G	GLUD1
ELMO1.1	5.43E-12	-0.20573	0.136	0.2	8.12E-08	AC-G	ELMO1
CERS4.1	5.69E-12	-0.11859	0.139	0.211	8.50E-08	AC-G	CERS4
RCOR2	5.73E-12	-0.10442	0.016	0.052	8.56E-08	AC-G	RCOR2
MIER1.1	5.79E-12	-0.15309	0.118	0.185	8.65E-08	AC-G	MIER1
PWWP2B	5.81E-12	-0.10955	0.008	0.039	8.69E-08	AC-G	PWWP2B
HSPA4L.1	5.95E-12	0.157448	0.109	0.066	8.89E-08	AC-G	HSPA4L
ASIP	6.01E-12	0.112005	0.043	0.018	8.98E-08	AC-G	ASIP
DNM1L.1	6.05E-12	-0.1146	0.169	0.244	9.04E-08	AC-G	DNM1L
DISC1	6.18E-12	-0.11242	0.016	0.052	9.23E-08	AC-G	DISC1
TRAF5	6.27E-12	-0.11078	0.023	0.063	9.37E-08	AC-G	TRAF5
RP11-557H	6.45E-12	-0.15258	0.004	0.031	9.64E-08	AC-G	RP11-557H15.4
RP11-367J	6.50E-12	0.107108	0.027	0.009	9.71E-08	AC-G	RP11-367J11.3
SAMD8.1	6.57E-12	-0.10381	0.091	0.154	9.82E-08	AC-G	SAMD8
C7orf43.1	6.66E-12	-0.10778	0.033	0.076	9.95E-08	AC-G	C7orf43
FBXO34.1	6.70E-12	-0.1305	0.049	0.099	1.00E-07	AC-G	FBXO34
HINT2.1	6.81E-12	-0.10528	0.27	0.361	1.02E-07	AC-G	HINT2

PARP8.1	6.91E-12	-0.14791	0.032	0.075	1.03E-07	AC-G	PARP8
ZC3H4.1	6.94E-12	-0.11042	0.046	0.095	1.04E-07	AC-G	ZC3H4
KIF21B	6.98E-12	-0.11238	0.004	0.032	1.04E-07	AC-G	KIF21B
BAZ1B.1	7.01E-12	-0.11103	0.225	0.312	1.05E-07	AC-G	BAZ1B
TPK1	7.18E-12	-0.12975	0.016	0.051	1.07E-07	AC-G	TPK1
CLCN7.1	7.32E-12	-0.11663	0.101	0.165	1.09E-07	AC-G	CLCN7
TGDS	7.54E-12	0.145553	0.111	0.067	1.13E-07	AC-G	TGDS
IPO7.1	7.56E-12	-0.10115	0.148	0.224	1.13E-07	AC-G	IPO7
DACT3.1	7.62E-12	-0.12051	0.039	0.084	1.14E-07	AC-G	DACT3
STK17A.1	8.20E-12	-0.12237	0.222	0.307	1.23E-07	AC-G	STK17A
MIOS.1	8.21E-12	-0.15042	0.076	0.131	1.23E-07	AC-G	MIOS
LRRK2.1	8.22E-12	-0.14333	0.027	0.067	1.23E-07	AC-G	LRRK2
GRID2	8.27E-12	-0.11728	0.016	0.052	1.24E-07	AC-G	GRID2
HNMT.1	8.35E-12	-0.14622	0.163	0.229	1.25E-07	AC-G	HNMT
SLC7A6.1	8.41E-12	-0.1375	0.031	0.073	1.26E-07	AC-G	SLC7A6
FBXO9.1	8.53E-12	-0.1235	0.145	0.218	1.27E-07	AC-G	FBXO9
THRAP3.1	8.55E-12	-0.10192	0.348	0.455	1.28E-07	AC-G	THRAP3
ANG	8.63E-12	0.148073	0.124	0.076	1.29E-07	AC-G	ANG
REC8.1	8.66E-12	-0.14589	0.039	0.085	1.29E-07	AC-G	REC8
PIK3CG	8.69E-12	-0.1065	0.001	0.026	1.30E-07	AC-G	PIK3CG
YIPF4.1	8.69E-12	-0.13575	0.295	0.39	1.30E-07	AC-G	YIPF4
TMEM220.1	8.76E-12	-0.13212	0.033	0.076	1.31E-07	AC-G	TMEM220
PHRF1.1	8.80E-12	-0.10102	0.043	0.091	1.31E-07	AC-G	PHRF1
WWP2.1	8.89E-12	-0.10557	0.034	0.078	1.33E-07	AC-G	WWP2
AQR.1	8.92E-12	-0.10852	0.034	0.078	1.33E-07	AC-G	AQR
SMIM10	8.94E-12	0.194451	0.077	0.042	1.34E-07	AC-G	SMIM10
ARRDC2.1	8.95E-12	-0.22417	0.047	0.094	1.34E-07	AC-G	ARRDC2
SNRPA	8.96E-12	-0.11868	0.184	0.266	1.34E-07	AC-G	SNRPA
CHFR.1	9.00E-12	-0.13237	0.075	0.132	1.34E-07	AC-G	CHFR
SNX2.1	9.05E-12	-0.10698	0.332	0.425	1.35E-07	AC-G	SNX2
TMEM106A	9.05E-12	-0.16486	0.029	0.07	1.35E-07	AC-G	TMEM106A
ITGA6.1	9.06E-12	-0.13616	0.039	0.084	1.35E-07	AC-G	ITGA6
ZNFX1	9.15E-12	-0.13604	0.089	0.151	1.37E-07	AC-G	ZNFX1
IFNLR1	9.34E-12	-0.12523	0.002	0.028	1.40E-07	AC-G	IFNLR1
CASK	9.57E-12	-0.10792	0.075	0.133	1.43E-07	AC-G	CASK
MAP4K5.1	9.69E-12	-0.13	0.101	0.165	1.45E-07	AC-G	MAP4K5
CYFIP2.1	9.80E-12	-0.12395	0.068	0.122	1.46E-07	AC-G	CYFIP2
PRIM1.1	9.93E-12	-0.11766	0.042	0.089	1.48E-07	AC-G	PRIM1
PLEKHA3.1	9.99E-12	-0.13464	0.168	0.244	1.49E-07	AC-G	PLEKHA3
CDH2.1	1.01E-11	-0.11339	0.22	0.297	1.51E-07	AC-G	CDH2
KCNJ10.1	1.02E-11	-0.15775	0.02	0.058	1.53E-07	AC-G	KCNJ10
DUOX1.1	1.03E-11	-0.12087	0.029	0.07	1.54E-07	AC-G	DUOX1
LANCL1.1	1.04E-11	-0.12361	0.071	0.126	1.56E-07	AC-G	LANCL1
ZDHHC7.1	1.05E-11	-0.15906	0.097	0.157	1.56E-07	AC-G	ZDHHC7
XAF1	1.05E-11	-0.2239	0.065	0.117	1.57E-07	AC-G	XAF1
TMEM141.1	1.08E-11	-0.10544	0.185	0.265	1.62E-07	AC-G	TMEM141
SEL1L	1.12E-11	-0.12785	0.117	0.184	1.68E-07	AC-G	SEL1L
SRPK1.1	1.14E-11	-0.12769	0.111	0.177	1.70E-07	AC-G	SRPK1
ADCY3.1	1.14E-11	-0.12676	0.025	0.065	1.71E-07	AC-G	ADCY3
EPOR	1.15E-11	-0.11916	0.033	0.076	1.72E-07	AC-G	EPOR
CDC42EP1.1	1.16E-11	-0.12735	0.079	0.137	1.73E-07	AC-G	CDC42EP1

ZNF100	1.16E-11	-0.11203	0.031	0.074	1.73E-07	AC-G	ZNF100
ITGB2-AS1	1.16E-11	-0.13603	0.005	0.033	1.74E-07	AC-G	ITGB2-AS1
TMEM2.1	1.17E-11	-0.14914	0.03	0.071	1.74E-07	AC-G	TMEM2
UBXN11	1.20E-11	0.217711	0.181	0.127	1.80E-07	AC-G	UBXN11
PPIL2.1	1.22E-11	-0.10663	0.071	0.126	1.82E-07	AC-G	PPIL2
MAL	1.22E-11	-0.24426	0.012	0.045	1.83E-07	AC-G	MAL
ST3GAL1.1	1.22E-11	-0.15903	0.06	0.111	1.83E-07	AC-G	ST3GAL1
TP53TG1.1	1.24E-11	0.361007	0.242	0.188	1.85E-07	AC-G	TP53TG1
CLEC12A	1.25E-11	-0.1095	0	0.024	1.87E-07	AC-G	CLEC12A
SEC61B.1	1.29E-11	0.177466	0.708	0.742	1.93E-07	AC-G	SEC61B
KHDRBS3.1	1.31E-11	-0.10475	0.155	0.227	1.96E-07	AC-G	KHDRBS3
SETD2.1	1.31E-11	-0.10349	0.092	0.154	1.96E-07	AC-G	SETD2
RP11-796E	1.33E-11	-0.20675	0.031	0.072	1.98E-07	AC-G	RP11-796E2.4
CHMP7.1	1.36E-11	-0.108	0.121	0.188	2.03E-07	AC-G	CHMP7
POLR2C.1	1.39E-11	0.272934	0.385	0.343	2.08E-07	AC-G	POLR2C
INTS10.1	1.39E-11	-0.1273	0.233	0.315	2.08E-07	AC-G	INTS10
CASP9.1	1.40E-11	-0.11824	0.044	0.092	2.09E-07	AC-G	CASP9
ZNF226.1	1.40E-11	0.363454	0.246	0.195	2.09E-07	AC-G	ZNF226
DIS3L.1	1.40E-11	-0.11985	0.06	0.112	2.09E-07	AC-G	DIS3L
COG4.1	1.41E-11	-0.13153	0.133	0.202	2.11E-07	AC-G	COG4
AMPD3	1.45E-11	-0.16411	0.021	0.058	2.17E-07	AC-G	AMPD3
KIAA0196.	1.45E-11	-0.10907	0.066	0.12	2.17E-07	AC-G	KIAA0196
CSF2RB	1.50E-11	-0.10524	0.003	0.029	2.25E-07	AC-G	CSF2RB
MYO10	1.57E-11	-0.1047	0.136	0.205	2.34E-07	AC-G	MYO10
TAF3.1	1.57E-11	-0.13164	0.075	0.131	2.35E-07	AC-G	TAF3
TLE4.1	1.58E-11	-0.12723	0.109	0.174	2.37E-07	AC-G	TLE4
DHX33	1.59E-11	-0.10519	0.074	0.13	2.37E-07	AC-G	DHX33
ECE1	1.63E-11	0.201724	0.115	0.073	2.43E-07	AC-G	ECE1
MOB1B.1	1.64E-11	-0.10943	0.033	0.076	2.45E-07	AC-G	MOB1B
AVPI1.1	1.64E-11	-0.26576	0.054	0.101	2.46E-07	AC-G	AVPI1
CCNK	1.66E-11	-0.10424	0.076	0.133	2.48E-07	AC-G	CCNK
EIF1B.1	1.67E-11	0.275107	0.597	0.586	2.50E-07	AC-G	EIF1B
PDCD4.1	1.68E-11	-0.21229	0.1	0.158	2.51E-07	AC-G	PDCD4
CCDC80.1	1.70E-11	0.228941	0.154	0.105	2.54E-07	AC-G	CCDC80
NEUROD1	1.71E-11	-0.10551	0.011	0.043	2.55E-07	AC-G	NEUROD1
RRP1B.1	1.71E-11	-0.10264	0.103	0.166	2.55E-07	AC-G	RRP1B
PLSCR1.1	1.73E-11	-0.13174	0.293	0.372	2.58E-07	AC-G	PLSCR1
SPOCK3	1.76E-11	-0.20438	0.008	0.038	2.63E-07	AC-G	SPOCK3
ICAM3.1	1.77E-11	-0.13944	0.058	0.109	2.65E-07	AC-G	ICAM3
RBM7.1	1.80E-11	0.230329	0.289	0.234	2.69E-07	AC-G	RBM7
BCL11B	1.81E-11	-0.11557	0.008	0.038	2.71E-07	AC-G	BCL11B
SMG1.1	1.83E-11	-0.11543	0.108	0.173	2.73E-07	AC-G	SMG1
WRB	1.86E-11	0.300136	0.451	0.414	2.78E-07	AC-G	WRB
PLEKHH1	1.93E-11	-0.13645	0.007	0.037	2.89E-07	AC-G	PLEKHH1
STK10.1	1.97E-11	-0.17537	0.036	0.079	2.94E-07	AC-G	STK10
TMEM70.1	2.00E-11	-0.16726	0.322	0.409	2.99E-07	AC-G	TMEM70
CHD2.1	2.01E-11	-0.10604	0.219	0.306	3.00E-07	AC-G	CHD2
HIST1H2AC	2.02E-11	0.345698	0.212	0.158	3.02E-07	AC-G	HIST1H2AC
SIDT1	2.07E-11	-0.14345	0.002	0.027	3.09E-07	AC-G	SIDT1
HSD17B10	2.10E-11	0.329324	0.514	0.492	3.14E-07	AC-G	HSD17B10
CACNA2D3	2.11E-11	-0.114	0.007	0.036	3.16E-07	AC-G	CACNA2D3



SLC39A11.	2. 14E-11	-0. 11557	0. 037	0. 08	3. 20E-07	AC-G	SLC39A11
HRSP12. 1	2. 16E-11	0. 291308	0. 243	0. 189	3. 23E-07	AC-G	HRSP12
ARFRP1	2. 18E-11	-0. 10892	0. 182	0. 26	3. 25E-07	AC-G	ARFRP1
PLEKHG3	2. 18E-11	-0. 10834	0. 005	0. 033	3. 25E-07	AC-G	PLEKHG3
ERMN	2. 21E-11	-0. 35927	0. 011	0. 043	3. 30E-07	AC-G	ERMN
PTBP2	2. 24E-11	-0. 13094	0. 063	0. 114	3. 35E-07	AC-G	PTBP2
CALB1	2. 24E-11	0. 218424	0. 03	0. 011	3. 35E-07	AC-G	CALB1
CNPY1. 1	2. 28E-11	-0. 11233	0. 04	0. 085	3. 41E-07	AC-G	CNPY1
L3MBTL2. 1	2. 29E-11	-0. 11984	0. 06	0. 111	3. 42E-07	AC-G	L3MBTL2
OAS2	2. 35E-11	-0. 15065	0. 013	0. 045	3. 50E-07	AC-G	OAS2
GNAO1. 1	2. 35E-11	-0. 17496	0. 051	0. 098	3. 51E-07	AC-G	GNAO1
CCDC18. 1	2. 42E-11	-0. 15302	0. 04	0. 084	3. 62E-07	AC-G	CCDC18
BEND7	2. 43E-11	-0. 15886	0. 026	0. 064	3. 63E-07	AC-G	BEND7
LIMA1. 1	2. 48E-11	-0. 13519	0. 253	0. 33	3. 71E-07	AC-G	LIMA1
TTC37. 1	2. 51E-11	-0. 11227	0. 128	0. 194	3. 75E-07	AC-G	TTC37
ELF2	2. 51E-11	-0. 16364	0. 126	0. 192	3. 75E-07	AC-G	ELF2
RIPK3	2. 58E-11	-0. 10079	0	0. 023	3. 86E-07	AC-G	RIPK3
ALDH1A1	2. 58E-11	-0. 13917	0. 006	0. 034	3. 86E-07	AC-G	ALDH1A1
SNX14. 1	2. 62E-11	-0. 13109	0. 152	0. 222	3. 92E-07	AC-G	SNX14
RGP1	2. 64E-11	-0. 12503	0. 051	0. 098	3. 95E-07	AC-G	RGP1
HYI	2. 66E-11	-0. 11772	0. 089	0. 149	3. 97E-07	AC-G	HYI
KXD1. 1	2. 76E-11	0. 300155	0. 479	0. 443	4. 12E-07	AC-G	KXD1
LRRC34	2. 76E-11	0. 10902	0. 068	0. 036	4. 13E-07	AC-G	LRRC34
ARID2. 1	2. 77E-11	-0. 12472	0. 06	0. 111	4. 14E-07	AC-G	ARID2
MALT1. 1	2. 77E-11	-0. 11311	0. 038	0. 081	4. 14E-07	AC-G	MALT1
PRKAR2B. 1	2. 85E-11	-0. 13949	0. 034	0. 075	4. 27E-07	AC-G	PRKAR2B
SCG5. 1	2. 88E-11	0. 382998	0. 369	0. 32	4. 30E-07	AC-G	SCG5
NFATC3. 1	2. 92E-11	-0. 14581	0. 096	0. 156	4. 36E-07	AC-G	NFATC3
PNPLA8. 1	2. 97E-11	0. 282633	0. 383	0. 34	4. 43E-07	AC-G	PNPLA8
SPEN. 1	3. 01E-11	-0. 1031	0. 106	0. 169	4. 50E-07	AC-G	SPEN
PLEK2	3. 05E-11	-0. 10834	0. 003	0. 028	4. 56E-07	AC-G	PLEK2
DCAF6. 1	3. 06E-11	-0. 14814	0. 114	0. 176	4. 57E-07	AC-G	DCAF6
GSTM4. 1	3. 09E-11	-0. 10904	0. 145	0. 216	4. 61E-07	AC-G	GSTM4
NFYC. 1	3. 10E-11	-0. 10218	0. 159	0. 233	4. 64E-07	AC-G	NFYC
DUSP28. 1	3. 11E-11	-0. 1072	0. 048	0. 095	4. 65E-07	AC-G	DUSP28
GLIS3	3. 12E-11	0. 170793	0. 112	0. 071	4. 67E-07	AC-G	GLIS3
PPP1CC. 1	3. 14E-11	-0. 10952	0. 361	0. 461	4. 69E-07	AC-G	PPP1CC
SOX10	3. 17E-11	-0. 15478	0. 006	0. 033	4. 73E-07	AC-G	SOX10
ZC3H11A. 1	3. 26E-11	-0. 10855	0. 141	0. 211	4. 87E-07	AC-G	ZC3H11A
ARHGEF25.	3. 27E-11	-0. 10175	0. 031	0. 072	4. 88E-07	AC-G	ARHGEF25
RACGAP1	3. 29E-11	-0. 12407	0. 045	0. 09	4. 92E-07	AC-G	RACGAP1
SEMA4C. 1	3. 35E-11	-0. 13529	0. 055	0. 103	5. 01E-07	AC-G	SEMA4C
LPCAT4. 1	3. 67E-11	-0. 11369	0. 034	0. 076	5. 48E-07	AC-G	LPCAT4
RP2. 1	3. 82E-11	-0. 10497	0. 04	0. 084	5. 70E-07	AC-G	RP2
GHRL. 1	3. 82E-11	-0. 15346	0. 025	0. 063	5. 71E-07	AC-G	GHRL
WAC-AS1	3. 86E-11	-0. 10623	0. 09	0. 15	5. 77E-07	AC-G	WAC-AS1
C10orf128	3. 88E-11	-0. 14798	0. 007	0. 035	5. 79E-07	AC-G	C10orf128
KLF11	3. 90E-11	-0. 11226	0. 013	0. 045	5. 83E-07	AC-G	KLF11
CUL5. 1	3. 90E-11	-0. 1297	0. 162	0. 234	5. 83E-07	AC-G	CUL5
LGI3	3. 94E-11	-0. 14425	0. 001	0. 025	5. 88E-07	AC-G	LGI3
QRICH1. 1	4. 01E-11	-0. 11132	0. 098	0. 159	5. 99E-07	AC-G	QRICH1

KDM5A.1	4.11E-11	-0.16277	0.185	0.26	6.14E-07	AC-G	KDM5A
LIMK2.1	4.12E-11	-0.1397	0.048	0.094	6.16E-07	AC-G	LIMK2
MLLT10.1	4.14E-11	-0.10092	0.079	0.135	6.19E-07	AC-G	MLLT10
SMC6.1	4.17E-11	-0.11034	0.106	0.167	6.22E-07	AC-G	SMC6
FAM177A1	4.19E-11	-0.1064	0.304	0.404	6.26E-07	AC-G	FAM177A1
GCSH.1	4.22E-11	-0.13645	0.276	0.361	6.31E-07	AC-G	GCSH
CYBRD1.1	4.26E-11	0.273261	0.22	0.168	6.37E-07	AC-G	CYBRD1
NUMA1.1	4.34E-11	-0.12589	0.115	0.18	6.48E-07	AC-G	NUMA1
CHAMP1.1	4.34E-11	-0.10506	0.081	0.138	6.49E-07	AC-G	CHAMP1
RCBTB1.1	4.50E-11	-0.12635	0.036	0.079	6.72E-07	AC-G	RCBTB1
GCNT2	4.51E-11	-0.11942	0.015	0.048	6.75E-07	AC-G	GCNT2
ZNF385A.1	4.63E-11	-0.12716	0.088	0.146	6.93E-07	AC-G	ZNF385A
ABHD17B.1	4.67E-11	-0.17308	0.08	0.133	6.97E-07	AC-G	ABHD17B
LEMD2.1	4.71E-11	-0.12132	0.098	0.158	7.04E-07	AC-G	LEMD2
SLBP.1	4.76E-11	-0.13033	0.241	0.324	7.11E-07	AC-G	SLBP
DHRS9	4.81E-11	-0.15649	0.002	0.026	7.19E-07	AC-G	DHRS9
LRP6.1	4.94E-11	-0.10851	0.068	0.12	7.39E-07	AC-G	LRP6
OSTM1.1	4.96E-11	-0.14303	0.168	0.24	7.41E-07	AC-G	OSTM1
FGFR2	4.98E-11	-0.17269	0.018	0.053	7.44E-07	AC-G	FGFR2
GSE1.1	4.98E-11	-0.14847	0.052	0.099	7.44E-07	AC-G	GSE1
TREML1	5.04E-11	-0.12334	0.002	0.025	7.54E-07	AC-G	TREML1
SENP6.1	5.15E-11	-0.14811	0.159	0.23	7.69E-07	AC-G	SENP6
SCD5.1	5.19E-11	-0.14066	0.32	0.409	7.75E-07	AC-G	SCD5
MAP4K1	5.26E-11	-0.14328	0.006	0.034	7.86E-07	AC-G	MAP4K1
REPIN1.1	5.27E-11	-0.11094	0.207	0.287	7.87E-07	AC-G	REPIN1
KIAA1109	5.32E-11	-0.13471	0.075	0.129	7.95E-07	AC-G	KIAA1109
ITGAL	5.40E-11	-0.12738	0.003	0.028	8.07E-07	AC-G	ITGAL
ATP5F1.1	5.50E-11	0.234986	0.639	0.645	8.22E-07	AC-G	ATP5F1
ADAM22.1	5.54E-11	-0.12359	0.03	0.069	8.28E-07	AC-G	ADAM22
FAM53C.1	5.56E-11	-0.10803	0.179	0.254	8.32E-07	AC-G	FAM53C
PPARD.1	5.66E-11	-0.15387	0.066	0.117	8.46E-07	AC-G	PPARD
TFG	5.75E-11	0.242669	0.438	0.402	8.60E-07	AC-G	TFG
PIGX.1	5.80E-11	-0.12172	0.189	0.265	8.66E-07	AC-G	PIGX
LRRC61.1	5.81E-11	0.11054	0.098	0.057	8.68E-07	AC-G	LRRC61
POMZP3.1	5.91E-11	-0.12411	0.048	0.094	8.83E-07	AC-G	POMZP3
PHF3	5.92E-11	-0.12852	0.138	0.205	8.84E-07	AC-G	PHF3
PSME4	6.16E-11	-0.10401	0.088	0.145	9.21E-07	AC-G	PSME4
ZNF276.1	6.32E-11	-0.14546	0.051	0.097	9.45E-07	AC-G	ZNF276
CCDC69	6.37E-11	-0.12052	0.01	0.041	9.52E-07	AC-G	CCDC69
ADCY2	6.43E-11	0.143969	0.064	0.034	9.61E-07	AC-G	ADCY2
SENCR	6.44E-11	-0.10765	0.001	0.023	9.62E-07	AC-G	SENCR
HVCN1.1	6.85E-11	-0.1611	0.056	0.104	1.02E-06	AC-G	HVCN1
DENND4B.1	6.89E-11	-0.12705	0.034	0.075	1.03E-06	AC-G	DENND4B
MAPRE2	7.04E-11	-0.1617	0.132	0.197	1.05E-06	AC-G	MAPRE2
SGOL2	7.19E-11	-0.16588	0.052	0.097	1.07E-06	AC-G	SGOL2
SP140	7.32E-11	-0.13588	0.007	0.035	1.09E-06	AC-G	SP140
USP4	7.36E-11	-0.13925	0.122	0.185	1.10E-06	AC-G	USP4
OTUD4.1	7.65E-11	-0.10742	0.059	0.107	1.14E-06	AC-G	OTUD4
WIPI1.1	7.66E-11	-0.18929	0.132	0.196	1.14E-06	AC-G	WIPI1
GAS7	7.67E-11	-0.1634	0.067	0.118	1.15E-06	AC-G	GAS7
ORC6.1	7.86E-11	-0.13528	0.052	0.099	1.17E-06	AC-G	ORC6

PTPN22	7.95E-11	-0.11954	0.005	0.031	1.19E-06	AC-G	PTPN22
MSC	7.96E-11	0.122487	0.018	0.005	1.19E-06	AC-G	MSC
WNT5A.1	8.21E-11	-0.1671	0.027	0.065	1.23E-06	AC-G	WNT5A
HSPB11.1	8.33E-11	-0.10881	0.254	0.343	1.25E-06	AC-G	HSPB11
ZFP91.1	8.59E-11	-0.11398	0.087	0.145	1.28E-06	AC-G	ZFP91
CCDC74B	8.59E-11	0.111802	0.059	0.03	1.28E-06	AC-G	CCDC74B
CEACAM21	8.61E-11	-0.10912	0.001	0.024	1.29E-06	AC-G	CEACAM21
IL17RB	8.69E-11	0.200884	0.073	0.04	1.30E-06	AC-G	IL17RB
TANGO2.1	8.81E-11	-0.10062	0.048	0.093	1.32E-06	AC-G	TANGO2
TMEM129.1	8.82E-11	-0.10562	0.119	0.183	1.32E-06	AC-G	TMEM129
FAM120AOS	8.86E-11	-0.11216	0.13	0.196	1.32E-06	AC-G	FAM120AOS
SLC7A5.1	9.14E-11	-0.26095	0.096	0.147	1.37E-06	AC-G	SLC7A5
DIP2A.1	9.29E-11	-0.12304	0.07	0.122	1.39E-06	AC-G	DIP2A
RUFY2.1	9.33E-11	-0.12179	0.099	0.159	1.39E-06	AC-G	RUFY2
RAPGEF6	9.38E-11	-0.11148	0.019	0.054	1.40E-06	AC-G	RAPGEF6
ATOH8.1	9.49E-11	-0.13545	0.023	0.059	1.42E-06	AC-G	ATOH8
COQ7.1	9.74E-11	-0.11579	0.132	0.198	1.46E-06	AC-G	COQ7
NFATC1.1	9.85E-11	-0.14757	0.022	0.058	1.47E-06	AC-G	NFATC1
RPH3A	1.02E-10	-0.10126	0.008	0.037	1.52E-06	AC-G	RPH3A
AFMID.1	1.02E-10	-0.1575	0.065	0.113	1.53E-06	AC-G	AFMID
TIMM17A.1	1.03E-10	0.328617	0.406	0.37	1.54E-06	AC-G	TIMM17A
CDC5L.1	1.03E-10	-0.10342	0.214	0.294	1.54E-06	AC-G	CDC5L
CDK5R2	1.05E-10	-0.11073	0.009	0.038	1.56E-06	AC-G	CDK5R2
HES4.1	1.05E-10	-0.1331	0.134	0.197	1.57E-06	AC-G	HES4
HPS5.1	1.05E-10	-0.11895	0.071	0.123	1.58E-06	AC-G	HPS5
NDUFAF6.1	1.06E-10	-0.10348	0.126	0.191	1.58E-06	AC-G	NDUFAF6
FA2H	1.07E-10	-0.14637	0.005	0.031	1.60E-06	AC-G	FA2H
OPHN1.1	1.09E-10	-0.1133	0.036	0.078	1.62E-06	AC-G	OPHN1
IPCEF1	1.10E-10	-0.10844	0.002	0.026	1.65E-06	AC-G	IPCEF1
HLTF.1	1.11E-10	-0.10339	0.12	0.184	1.66E-06	AC-G	HLTF
HSP90B1.1	1.14E-10	0.221888	0.616	0.666	1.71E-06	AC-G	HSP90B1
DENND1B.1	1.15E-10	-0.1515	0.053	0.099	1.72E-06	AC-G	DENND1B
NELL2	1.15E-10	-0.13823	0.064	0.114	1.73E-06	AC-G	NELL2
PPP3R1.1	1.16E-10	-0.14517	0.071	0.121	1.73E-06	AC-G	PPP3R1
RGL2.1	1.16E-10	-0.12708	0.147	0.215	1.74E-06	AC-G	RGL2
CATSPER1	1.17E-10	-0.12068	0.005	0.03	1.75E-06	AC-G	CATSPER1
YWHAQ.1	1.17E-10	-0.10972	0.575	0.657	1.75E-06	AC-G	YWHAQ
KNSTRN.1	1.18E-10	-0.12708	0.043	0.086	1.76E-06	AC-G	KNSTRN
CDK20	1.18E-10	0.126567	0.089	0.052	1.76E-06	AC-G	CDK20
TBC1D5.1	1.18E-10	-0.14689	0.094	0.151	1.76E-06	AC-G	TBC1D5
DNAJC21	1.20E-10	-0.11299	0.077	0.131	1.80E-06	AC-G	DNAJC21
LINC00461	1.21E-10	-0.10169	0.254	0.333	1.81E-06	AC-G	LINC00461
VNN2	1.22E-10	-0.11478	0.004	0.029	1.82E-06	AC-G	VNN2
GABARAPL2	1.22E-10	0.204355	0.723	0.747	1.82E-06	AC-G	GABARAPL2
ARL4D.1	1.23E-10	-0.14303	0.119	0.179	1.84E-06	AC-G	ARL4D
EP400.1	1.26E-10	-0.10711	0.073	0.125	1.88E-06	AC-G	EP400
FAM118A.1	1.26E-10	-0.2051	0.089	0.141	1.89E-06	AC-G	FAM118A
FAM204A.1	1.26E-10	-0.12027	0.195	0.269	1.89E-06	AC-G	FAM204A
FLT1	1.27E-10	-0.10475	0.001	0.023	1.89E-06	AC-G	FLT1
MTAP.1	1.27E-10	-0.11477	0.036	0.077	1.90E-06	AC-G	MTAP
PUM2.1	1.28E-10	-0.1031	0.103	0.164	1.92E-06	AC-G	PUM2

C9orf72.1	1.30E-10	-0.2225	0.104	0.159	1.94E-06	AC-G	C9orf72
STX2.1	1.31E-10	-0.11261	0.065	0.116	1.95E-06	AC-G	STX2
IGSF8.1	1.31E-10	-0.11555	0.157	0.224	1.96E-06	AC-G	IGSF8
ACSL5	1.34E-10	-0.13419	0.01	0.039	2.00E-06	AC-G	ACSL5
HPCA	1.40E-10	-0.1144	0.028	0.066	2.10E-06	AC-G	HPCA
KCNK13	1.45E-10	-0.10009	0.003	0.027	2.17E-06	AC-G	KCNK13
EIF4A1.1	1.51E-10	0.138968	0.795	0.874	2.26E-06	AC-G	EIF4A1
PNMAL1.1	1.51E-10	-0.10011	0.056	0.104	2.26E-06	AC-G	PNMAL1
ELOF1	1.54E-10	0.301023	0.45	0.418	2.30E-06	AC-G	ELOF1
RETN	1.57E-10	-0.12052	0.001	0.023	2.34E-06	AC-G	RETN
ZC2HC1A.1	1.58E-10	-0.13126	0.156	0.221	2.36E-06	AC-G	ZC2HC1A
PNP	1.61E-10	-0.16363	0.063	0.111	2.40E-06	AC-G	PNP
CCNG1.1	1.64E-10	0.222352	0.317	0.26	2.45E-06	AC-G	CCNG1
COMMD8.1	1.65E-10	-0.1246	0.167	0.235	2.47E-06	AC-G	COMMD8
C2orf69.1	1.72E-10	-0.11438	0.139	0.205	2.56E-06	AC-G	C2orf69
LRAT	1.72E-10	0.145363	0.028	0.01	2.57E-06	AC-G	LRAT
ZFP90.1	1.74E-10	-0.11803	0.085	0.14	2.61E-06	AC-G	ZFP90
CYLD	1.78E-10	-0.15908	0.115	0.174	2.66E-06	AC-G	CYLD
RP11-84C1	1.78E-10	-0.12485	0.001	0.022	2.67E-06	AC-G	RP11-84C10.2
C16orf52.	1.81E-10	-0.10147	0.056	0.104	2.71E-06	AC-G	C16orf52
NRXN2.1	1.82E-10	-0.15602	0.074	0.125	2.71E-06	AC-G	NRXN2
ADPRH	1.85E-10	-0.11649	0.009	0.038	2.76E-06	AC-G	ADPRH
AFF3	1.86E-10	-0.12724	0.023	0.058	2.78E-06	AC-G	AFF3
TNR.1	1.87E-10	-0.13901	0.025	0.061	2.79E-06	AC-G	TNR
SNX11	1.89E-10	-0.11355	0.059	0.107	2.83E-06	AC-G	SNX11
CDK5RAP1.	1.90E-10	-0.10666	0.108	0.168	2.83E-06	AC-G	CDK5RAP1
TARBP1.1	1.92E-10	-0.10748	0.037	0.077	2.86E-06	AC-G	TARBP1
BIRC6.1	1.94E-10	-0.10117	0.13	0.194	2.89E-06	AC-G	BIRC6
TPCN1.1	1.97E-10	-0.1781	0.052	0.097	2.95E-06	AC-G	TPCN1
FGF7	1.97E-10	0.157312	0.047	0.022	2.95E-06	AC-G	FGF7
SMYD4.1	1.97E-10	-0.10581	0.073	0.126	2.95E-06	AC-G	SMYD4
NDUFS8.1	1.99E-10	0.294168	0.606	0.609	2.97E-06	AC-G	NDUFS8
NXN	2.04E-10	-0.1081	0.011	0.04	3.05E-06	AC-G	NXN
KCNIP1.1	2.05E-10	-0.12344	0.059	0.106	3.07E-06	AC-G	KCNIP1
USF1.1	2.06E-10	-0.14361	0.025	0.061	3.07E-06	AC-G	USF1
CTDSPL2	2.07E-10	-0.10407	0.066	0.117	3.10E-06	AC-G	CTDSPL2
FAM177B	2.08E-10	-0.12917	0.008	0.035	3.10E-06	AC-G	FAM177B
MAPK14.1	2.08E-10	-0.10998	0.067	0.118	3.11E-06	AC-G	MAPK14
NEAT1	2.11E-10	0.159521	0.741	0.767	3.15E-06	AC-G	NEAT1
C19orf70.	2.11E-10	0.246957	0.584	0.577	3.15E-06	AC-G	C19orf70
ZNF638.1	2.12E-10	-0.10208	0.188	0.264	3.17E-06	AC-G	ZNF638
RPA3.1	2.13E-10	0.278856	0.382	0.335	3.18E-06	AC-G	RPA3
GTF2IRD2E	2.14E-10	-0.10857	0.09	0.146	3.19E-06	AC-G	GTF2IRD2B
PRRG4	2.18E-10	-0.16682	0.018	0.05	3.26E-06	AC-G	PRRG4
TOMM70A.1	2.23E-10	-0.1093	0.08	0.134	3.34E-06	AC-G	TOMM70A
PKP4.1	2.27E-10	-0.10106	0.024	0.06	3.39E-06	AC-G	PKP4
XPNPEP1.1	2.30E-10	-0.1162	0.096	0.152	3.44E-06	AC-G	XPNPEP1
SELL	2.36E-10	-0.15545	0.012	0.042	3.53E-06	AC-G	SELL
KLHL36	2.39E-10	-0.10812	0.055	0.102	3.58E-06	AC-G	KLHL36
HIST2H2AA	2.41E-10	-0.16331	0.031	0.07	3.59E-06	AC-G	HIST2H2AA3
ABTB1.1	2.42E-10	-0.20193	0.065	0.112	3.62E-06	AC-G	ABTB1

BCOR	2.43E-10	-0.11619	0.024	0.06	3.63E-06	AC-G	BCOR
JAM2.1	2.43E-10	0.311725	0.292	0.245	3.63E-06	AC-G	JAM2
AGA.1	2.49E-10	0.24398	0.196	0.145	3.71E-06	AC-G	AGA
YPEL2.1	2.51E-10	-0.15352	0.036	0.076	3.75E-06	AC-G	YPEL2
ALKBH6.1	2.68E-10	-0.11661	0.064	0.113	4.00E-06	AC-G	ALKBH6
PINLYP	2.68E-10	0.196656	0.083	0.048	4.00E-06	AC-G	PINLYP
SAT1	2.68E-10	0.22712	0.781	0.807	4.01E-06	AC-G	SAT1
CRYZ	2.70E-10	0.298906	0.161	0.116	4.03E-06	AC-G	CRYZ
SEC24B	2.74E-10	-0.11393	0.042	0.084	4.09E-06	AC-G	SEC24B
SHOC2.1	2.75E-10	-0.13977	0.103	0.161	4.11E-06	AC-G	SHOC2
QTRT1.1	2.79E-10	0.320674	0.367	0.324	4.17E-06	AC-G	QTRT1
CAMLG.1	2.82E-10	0.234718	0.508	0.491	4.22E-06	AC-G	CAMLG
RNASEK	2.83E-10	-0.15142	0.043	0.086	4.23E-06	AC-G	RNASEK
CNIH4	2.90E-10	0.266112	0.409	0.367	4.34E-06	AC-G	CNIH4
CPEB4.1	2.96E-10	-0.13567	0.188	0.258	4.43E-06	AC-G	CPEB4
FOLH1	2.98E-10	-0.11342	0.001	0.021	4.45E-06	AC-G	FOLH1
MAEA	3.11E-10	-0.10571	0.176	0.246	4.65E-06	AC-G	MAEA
RP11-783K	3.12E-10	0.291854	0.075	0.043	4.66E-06	AC-G	RP11-783K16.5
ABCC4	3.15E-10	-0.112	0.018	0.05	4.71E-06	AC-G	ABCC4
PER1	3.16E-10	-0.24118	0.137	0.194	4.72E-06	AC-G	PER1
LIPE	3.16E-10	-0.10781	0.029	0.067	4.72E-06	AC-G	LIPE
NET1	3.22E-10	-0.12825	0.015	0.045	4.80E-06	AC-G	NET1
MORC3.1	3.26E-10	-0.12929	0.063	0.111	4.87E-06	AC-G	MORC3
IL6R.1	3.26E-10	-0.23044	0.051	0.093	4.87E-06	AC-G	IL6R
LYPLA2.1	3.33E-10	-0.10688	0.162	0.232	4.98E-06	AC-G	LYPLA2
CCK	3.38E-10	0.101713	0.019	0.005	5.05E-06	AC-G	CCK
ZNF124.1	3.45E-10	-0.12137	0.029	0.066	5.16E-06	AC-G	ZNF124
GIMAP2.1	3.52E-10	-0.1806	0.042	0.084	5.26E-06	AC-G	GIMAP2
ADD3	3.55E-10	0.258971	0.173	0.125	5.31E-06	AC-G	ADD3
HAUS4.1	3.57E-10	-0.11158	0.03	0.067	5.34E-06	AC-G	HAUS4
YTHDC2.1	3.57E-10	-0.13487	0.076	0.127	5.34E-06	AC-G	YTHDC2
ARMC1.1	3.62E-10	-0.11268	0.201	0.276	5.41E-06	AC-G	ARMC1
ATPAF1.1	3.62E-10	-0.15621	0.181	0.251	5.41E-06	AC-G	ATPAF1
TLR10	3.68E-10	-0.11508	0.004	0.028	5.50E-06	AC-G	TLR10
RARA	3.73E-10	-0.1062	0.057	0.103	5.57E-06	AC-G	RARA
LCOR.1	3.75E-10	-0.11121	0.044	0.087	5.61E-06	AC-G	LCOR
BNIP3L.1	3.76E-10	0.213173	0.59	0.601	5.62E-06	AC-G	BNIP3L
RAP2C	3.96E-10	-0.12003	0.081	0.134	5.91E-06	AC-G	RAP2C
PGM2L1	3.97E-10	0.325947	0.298	0.247	5.93E-06	AC-G	PGM2L1
GALT.1	4.06E-10	-0.17884	0.046	0.088	6.07E-06	AC-G	GALT
IL6ST.1	4.09E-10	-0.10479	0.191	0.266	6.11E-06	AC-G	IL6ST
SCN3A.1	4.10E-10	-0.13031	0.039	0.078	6.13E-06	AC-G	SCN3A
TOMM5.1	4.56E-10	-0.11878	0.154	0.22	6.82E-06	AC-G	TOMM5
EPDR1.1	4.59E-10	0.250714	0.164	0.119	6.86E-06	AC-G	EPDR1
MED15.1	4.61E-10	-0.12515	0.095	0.152	6.89E-06	AC-G	MED15
RAB11FIP1	4.62E-10	-0.10437	0.006	0.031	6.90E-06	AC-G	RAB11FIP1
TATDN3.1	4.69E-10	-0.12078	0.107	0.163	7.02E-06	AC-G	TATDN3
LACC1	4.70E-10	-0.1177	0.01	0.039	7.03E-06	AC-G	LACC1
PPP3CA.1	4.75E-10	-0.13255	0.187	0.258	7.10E-06	AC-G	PPP3CA
SLC16A4	4.78E-10	0.180082	0.091	0.056	7.15E-06	AC-G	SLC16A4
SLC12A2	4.80E-10	-0.16223	0.085	0.138	7.18E-06	AC-G	SLC12A2

NFATC2IP.	4. 81E-10	-0. 11304	0. 113	0. 172	7. 19E-06	AC-G	NFATC2IP
SUDS3.	1 4. 82E-10	-0. 10388	0. 134	0. 199	7. 21E-06	AC-G	SUDS3
TMIGD2	4. 87E-10	-0. 14831	0. 002	0. 023	7. 27E-06	AC-G	TMIGD2
NEDD9.	1 4. 97E-10	-0. 12665	0. 162	0. 232	7. 42E-06	AC-G	NEDD9
TUBGCP3.	1 5. 00E-10	-0. 12634	0. 065	0. 112	7. 47E-06	AC-G	TUBGCP3
PRKCZ.	1 5. 03E-10	-0. 10353	0. 061	0. 108	7. 52E-06	AC-G	PRKCZ
ACO07228.	5. 12E-10	0. 112738	0. 039	0. 017	7. 65E-06	AC-G	ACO07228. 11
AP2A1.	1 5. 38E-10	-0. 11434	0. 177	0. 248	8. 04E-06	AC-G	AP2A1
ASXL2.	1 5. 38E-10	-0. 11694	0. 059	0. 106	8. 05E-06	AC-G	ASXL2
UBQLN2.	1 5. 39E-10	-0. 12962	0. 165	0. 231	8. 05E-06	AC-G	UBQLN2
RFX5.	1 5. 70E-10	-0. 10309	0. 064	0. 112	8. 51E-06	AC-G	RFX5
LPAR2	5. 78E-10	-0. 10179	0. 01	0. 037	8. 63E-06	AC-G	LPAR2
SLC29A3	5. 80E-10	-0. 14664	0. 018	0. 049	8. 67E-06	AC-G	SLC29A3
NHSL1	5. 87E-10	-0. 11546	0. 063	0. 111	8. 77E-06	AC-G	NHSL1
TMEM30A.	1 5. 96E-10	-0. 10676	0. 265	0. 347	8. 91E-06	AC-G	TMEM30A
ARX	5. 96E-10	-0. 11812	0. 015	0. 045	8. 91E-06	AC-G	ARX
RNF141.	1 6. 13E-10	-0. 13062	0. 157	0. 225	9. 17E-06	AC-G	RNF141
SORBS3.	1 6. 17E-10	-0. 1013	0. 12	0. 183	9. 22E-06	AC-G	SORBS3
E2F4.	1 6. 19E-10	-0. 1368	0. 158	0. 225	9. 25E-06	AC-G	E2F4
RHOF	6. 19E-10	-0. 11241	0. 023	0. 057	9. 26E-06	AC-G	RHOF
RNF125	6. 21E-10	-0. 11754	0. 004	0. 028	9. 28E-06	AC-G	RNF125
HNRNPC.	1 6. 31E-10	0. 203911	0. 677	0. 697	9. 43E-06	AC-G	HNRNPC
BLVRA.	1 6. 60E-10	0. 392237	0. 372	0. 333	9. 86E-06	AC-G	BLVRA
KLHL8.	1 6. 62E-10	-0. 11727	0. 088	0. 142	9. 89E-06	AC-G	KLHL8
KLHL42.	1 6. 67E-10	-0. 10049	0. 109	0. 169	9. 96E-06	AC-G	KLHL42
BCL2.	1 6. 67E-10	-0. 15458	0. 021	0. 054	9. 97E-06	AC-G	BCL2
CDCP1	6. 74E-10	-0. 13123	0. 01	0. 038	1. 01E-05	AC-G	CDCP1
EXOC6.	1 6. 80E-10	-0. 11201	0. 032	0. 07	1. 02E-05	AC-G	EXOC6
WDR81.	1 6. 91E-10	-0. 10246	0. 019	0. 052	1. 03E-05	AC-G	WDR81
C12orf29.	7. 02E-10	0. 255015	0. 193	0. 146	1. 05E-05	AC-G	C12orf29
LDLRAP1.	1 7. 04E-10	-0. 11644	0. 027	0. 063	1. 05E-05	AC-G	LDLRAP1
PLCL1	7. 38E-10	-0. 10761	0. 009	0. 036	1. 10E-05	AC-G	PLCL1
PHYKPL.	1 7. 66E-10	-0. 10754	0. 149	0. 212	1. 15E-05	AC-G	PHYKPL
MLKL	7. 70E-10	-0. 12803	0. 007	0. 032	1. 15E-05	AC-G	MLKL
AGO3	7. 79E-10	-0. 11848	0. 138	0. 203	1. 16E-05	AC-G	AGO3
USP36.	1 7. 86E-10	-0. 15317	0. 094	0. 147	1. 17E-05	AC-G	USP36
RCC1	7. 97E-10	-0. 10403	0. 061	0. 107	1. 19E-05	AC-G	RCC1
CTD-2336C	8. 14E-10	-0. 10959	0. 166	0. 235	1. 22E-05	AC-G	CTD-233602. 1
SLC35F6.	1 8. 15E-10	-0. 10196	0. 154	0. 22	1. 22E-05	AC-G	SLC35F6
TNNI2	8. 22E-10	-0. 11161	0. 002	0. 023	1. 23E-05	AC-G	TNNI2
LINC00657	8. 37E-10	-0. 12938	0. 264	0. 345	1. 25E-05	AC-G	LINC00657
FADS1.	1 8. 50E-10	-0. 11202	0. 16	0. 229	1. 27E-05	AC-G	FADS1
SLC27A1.	1 8. 64E-10	-0. 10974	0. 111	0. 17	1. 29E-05	AC-G	SLC27A1
QDPR.	1 8. 65E-10	-0. 12639	0. 29	0. 374	1. 29E-05	AC-G	QDPR
GLYR1	8. 79E-10	-0. 11397	0. 154	0. 22	1. 31E-05	AC-G	GLYR1
PRCD	8. 80E-10	-0. 1312	0. 01	0. 038	1. 32E-05	AC-G	PRCD
TSPYL1.	1 9. 02E-10	-0. 11495	0. 182	0. 249	1. 35E-05	AC-G	TSPYL1
ANKRD13A	9. 13E-10	-0. 10132	0. 059	0. 104	1. 36E-05	AC-G	ANKRD13A
EDEM1	9. 18E-10	-0. 12178	0. 044	0. 086	1. 37E-05	AC-G	EDEM1
MEMO1	9. 27E-10	-0. 13295	0. 063	0. 109	1. 39E-05	AC-G	MEMO1
SRRM4	9. 32E-10	-0. 10199	0. 009	0. 035	1. 39E-05	AC-G	SRRM4

SLFN11	9.54E-10	-0.10651	0.017	0.048	1.43E-05	AC-G	SLFN11
RICTOR.1	9.59E-10	-0.18249	0.137	0.196	1.43E-05	AC-G	RICTOR
ZC3H7A.1	9.89E-10	-0.1423	0.103	0.158	1.48E-05	AC-G	ZC3H7A
NME1-NME2	9.90E-10	-0.11403	0.056	0.101	1.48E-05	AC-G	NME1-NME2
PSAT1	9.90E-10	0.181321	0.244	0.195	1.48E-05	AC-G	PSAT1
ZMIZ2.1	9.92E-10	-0.10524	0.061	0.106	1.48E-05	AC-G	ZMIZ2
SERPINI1.	1.01E-09	-0.12791	0.025	0.059	1.51E-05	AC-G	SERPINI1
SCP2.1	1.01E-09	0.258498	0.58	0.584	1.52E-05	AC-G	SCP2
YIPF5.1	1.02E-09	0.24175	0.301	0.254	1.52E-05	AC-G	YIPF5
SHPRH.1	1.05E-09	-0.1187	0.083	0.135	1.57E-05	AC-G	SHPRH
PKN2.1	1.06E-09	-0.10472	0.154	0.222	1.58E-05	AC-G	PKN2
PARP6.1	1.06E-09	-0.11104	0.064	0.111	1.58E-05	AC-G	PARP6
TBC1D9.1	1.08E-09	-0.12212	0.025	0.059	1.61E-05	AC-G	TBC1D9
L1CAM	1.10E-09	-0.11479	0.011	0.039	1.65E-05	AC-G	L1CAM
PEX5L	1.16E-09	-0.13056	0.004	0.026	1.73E-05	AC-G	PEX5L
TMEM37.1	1.17E-09	0.361998	0.091	0.057	1.74E-05	AC-G	TMEM37
EPB41	1.17E-09	-0.12505	0.03	0.066	1.75E-05	AC-G	EPB41
CPED1	1.18E-09	-0.11952	0.01	0.037	1.77E-05	AC-G	CPED1
IFRD1.1	1.25E-09	0.206685	0.512	0.482	1.86E-05	AC-G	IFRD1
TREM1	1.27E-09	0.339604	0.208	0.155	1.90E-05	AC-G	TREM1
FMN1	1.29E-09	-0.1144	0.01	0.037	1.92E-05	AC-G	FMN1
TIPARP.1	1.30E-09	0.206483	0.21	0.161	1.94E-05	AC-G	TIPARP
ENOX2.1	1.33E-09	-0.10839	0.041	0.081	1.99E-05	AC-G	ENOX2
FPR2	1.38E-09	-0.10727	0.002	0.022	2.06E-05	AC-G	FPR2
STRIP1.1	1.39E-09	-0.13177	0.083	0.133	2.07E-05	AC-G	STRIP1
FKBP9.1	1.42E-09	0.244182	0.213	0.17	2.12E-05	AC-G	FKBP9
AMPD2.1	1.44E-09	-0.15651	0.107	0.161	2.15E-05	AC-G	AMPD2
NOA1.1	1.46E-09	-0.1167	0.098	0.152	2.18E-05	AC-G	NOA1
P2RY6	1.46E-09	-0.1012	0.01	0.037	2.19E-05	AC-G	P2RY6
PTAR1.1	1.51E-09	-0.10198	0.091	0.145	2.26E-05	AC-G	PTAR1
KLHL18	1.54E-09	-0.1132	0.077	0.127	2.30E-05	AC-G	KLHL18
STK38L	1.54E-09	-0.13128	0.105	0.159	2.31E-05	AC-G	STK38L
PDXDC1	1.57E-09	-0.12128	0.121	0.181	2.35E-05	AC-G	PDXDC1
HS3ST1.1	1.62E-09	-0.16314	0.052	0.095	2.42E-05	AC-G	HS3ST1
EXOSC3.1	1.63E-09	-0.10755	0.112	0.169	2.43E-05	AC-G	EXOSC3
FGF20	1.66E-09	-0.12009	0.001	0.021	2.47E-05	AC-G	FGF20
FRAT2	1.70E-09	-0.10165	0.019	0.051	2.54E-05	AC-G	FRAT2
PRR5.1	1.71E-09	-0.13568	0.02	0.052	2.55E-05	AC-G	PRR5
TTC38	1.75E-09	-0.11336	0.052	0.096	2.62E-05	AC-G	TTC38
ZDHHC21.1	1.79E-09	-0.12239	0.061	0.106	2.67E-05	AC-G	ZDHHC21
SNX3.1	1.83E-09	0.116795	0.672	0.725	2.73E-05	AC-G	SNX3
TRIM47.1	1.89E-09	0.3065	0.216	0.172	2.82E-05	AC-G	TRIM47
NDFIP1.1	1.90E-09	-0.10572	0.491	0.623	2.84E-05	AC-G	NDFIP1
MS4A14	1.91E-09	-0.10627	0.004	0.026	2.86E-05	AC-G	MS4A14
RPF2	2.05E-09	0.320441	0.266	0.219	3.06E-05	AC-G	RPF2
PTPN2	2.06E-09	-0.11549	0.193	0.259	3.08E-05	AC-G	PTPN2
GRM3	2.07E-09	-0.13083	0.004	0.026	3.09E-05	AC-G	GRM3
STEAP2	2.14E-09	0.13263	0.034	0.015	3.20E-05	AC-G	STEAP2
PTPRJ	2.14E-09	-0.111	0.008	0.034	3.20E-05	AC-G	PTPRJ
SRBD1.1	2.21E-09	-0.1208	0.05	0.092	3.30E-05	AC-G	SRBD1
AL592183.	2.24E-09	-0.18139	0.119	0.174	3.35E-05	AC-G	AL592183.1

SPHK2.1	2.27E-09	-0.10363	0.085	0.136	3.39E-05	AC-G	SPHK2
POLB	2.31E-09	-0.10366	0.05	0.091	3.44E-05	AC-G	POLB
MEIS2.1	2.31E-09	-0.17162	0.156	0.213	3.45E-05	AC-G	MEIS2
CREB5	2.35E-09	-0.10855	0.178	0.246	3.51E-05	AC-G	CREB5
LACTB2.1	2.37E-09	0.187085	0.192	0.143	3.54E-05	AC-G	LACTB2
KCNE1	2.38E-09	-0.1064	0.004	0.026	3.55E-05	AC-G	KCNE1
UPP1.1	2.42E-09	0.265537	0.296	0.246	3.61E-05	AC-G	UPP1
ERBB3	2.44E-09	-0.13557	0.014	0.042	3.65E-05	AC-G	ERBB3
AKAP9.1	2.50E-09	-0.10099	0.372	0.465	3.74E-05	AC-G	AKAP9
RNF150	2.52E-09	-0.10352	0.016	0.046	3.76E-05	AC-G	RNF150
SPHK1.1	2.53E-09	-0.10138	0.067	0.114	3.78E-05	AC-G	SPHK1
NPTN	2.53E-09	-0.10421	0.032	0.068	3.78E-05	AC-G	NPTN
SWI5.1	2.54E-09	0.347555	0.282	0.238	3.80E-05	AC-G	SWI5
THOC6	2.59E-09	-0.11101	0.121	0.179	3.87E-05	AC-G	THOC6
C1orf228	2.61E-09	-0.11739	0.01	0.036	3.90E-05	AC-G	C1orf228
ZBED5.1	2.63E-09	-0.10419	0.129	0.188	3.93E-05	AC-G	ZBED5
GAB2	2.64E-09	-0.12304	0.035	0.072	3.94E-05	AC-G	GAB2
MGAT2.1	2.66E-09	-0.10239	0.135	0.197	3.97E-05	AC-G	MGAT2
SMC2	2.71E-09	-0.15779	0.151	0.209	4.04E-05	AC-G	SMC2
TIAM2.1	2.99E-09	-0.12498	0.046	0.085	4.47E-05	AC-G	TIAM2
GLO1.1	3.04E-09	0.232155	0.435	0.406	4.55E-05	AC-G	GLO1
GCC2	3.05E-09	-0.13355	0.215	0.283	4.56E-05	AC-G	GCC2
RP11-862L	3.07E-09	-0.15042	0.001	0.02	4.58E-05	AC-G	RP11-862L9.3
FBXO17.1	3.10E-09	0.170766	0.181	0.136	4.64E-05	AC-G	FBXO17
CIDEB	3.13E-09	-0.10211	0.006	0.029	4.68E-05	AC-G	CIDEB
CDKN1B.1	3.14E-09	-0.15677	0.204	0.27	4.69E-05	AC-G	CDKN1B
RAB35.1	3.21E-09	-0.10051	0.118	0.175	4.79E-05	AC-G	RAB35
GZF1.1	3.23E-09	-0.10486	0.065	0.111	4.82E-05	AC-G	GZF1
AFG3L2.1	3.26E-09	-0.1009	0.153	0.218	4.87E-05	AC-G	AFG3L2
SERPINF2	3.30E-09	-0.12143	0.006	0.03	4.94E-05	AC-G	SERPINF2
GRK4	3.33E-09	-0.10658	0.061	0.105	4.97E-05	AC-G	GRK4
WDR54.1	3.41E-09	0.286911	0.268	0.227	5.09E-05	AC-G	WDR54
CASC15.1	3.48E-09	-0.11853	0.062	0.107	5.20E-05	AC-G	CASC15
HINT3.1	3.50E-09	-0.11399	0.147	0.209	5.24E-05	AC-G	HINT3
C11orf1.1	3.75E-09	0.29755	0.182	0.137	5.60E-05	AC-G	C11orf1
NEK3.1	3.78E-09	-0.12399	0.034	0.07	5.65E-05	AC-G	NEK3
TPTEP1	4.18E-09	-0.12624	0.009	0.035	6.25E-05	AC-G	TPTEP1
PREP.1	4.19E-09	-0.11914	0.061	0.104	6.26E-05	AC-G	PREP
MIR22HG	4.30E-09	0.26316	0.15	0.106	6.43E-05	AC-G	MIR22HG
BCL6.1	4.75E-09	0.135238	0.167	0.12	7.11E-05	AC-G	BCL6
GPR137B.1	4.83E-09	-0.1117	0.175	0.24	7.22E-05	AC-G	GPR137B
ZCCHC24	5.00E-09	-0.12786	0.063	0.107	7.48E-05	AC-G	ZCCHC24
C9orf85.1	5.05E-09	-0.1262	0.06	0.103	7.55E-05	AC-G	C9orf85
PTPRN2.1	5.28E-09	-0.13246	0.164	0.221	7.88E-05	AC-G	PTPRN2
PRRX1.1	5.32E-09	0.333836	0.206	0.164	7.95E-05	AC-G	PRRX1
TRPM4	5.52E-09	-0.11251	0.016	0.045	8.25E-05	AC-G	TRPM4
TMEM258.1	5.52E-09	0.185479	0.696	0.735	8.25E-05	AC-G	TMEM258
ASNA1.1	5.54E-09	0.234616	0.538	0.516	8.28E-05	AC-G	ASNA1
GAR1.1	5.57E-09	0.291363	0.228	0.183	8.32E-05	AC-G	GAR1
TMEM255B.1	5.59E-09	-0.16664	0.028	0.06	8.35E-05	AC-G	TMEM255B
CTSW	5.62E-09	-0.19523	0.009	0.033	8.41E-05	AC-G	CTSW



SMAD7	5.85E-09	-0.11685	0.012	0.038	8.75E-05	AC-G	SMAD7
ATP1B1.1	5.93E-09	-0.18387	0.189	0.243	8.86E-05	AC-G	ATP1B1
PINK1.1	6.07E-09	-0.13794	0.156	0.217	9.07E-05	AC-G	PINK1
FAM13B.1	6.09E-09	-0.10481	0.051	0.092	9.10E-05	AC-G	FAM13B
ITGB7	6.10E-09	-0.10271	0.006	0.029	9.11E-05	AC-G	ITGB7
MYO7A	6.30E-09	-0.13421	0.011	0.037	9.42E-05	AC-G	MYO7A
SLC44A1.1	6.40E-09	-0.1408	0.248	0.326	9.57E-05	AC-G	SLC44A1
KIF5A.1	6.66E-09	-0.15552	0.083	0.129	9.96E-05	AC-G	KIF5A
CHRNE	6.67E-09	-0.12605	0.007	0.03	9.96E-05	AC-G	CHRNE
TSEN54.1	6.86E-09	-0.11113	0.076	0.123	0.000103	AC-G	TSEN54
AC104653.	6.88E-09	0.107865	0.018	0.005	0.000103	AC-G	AC104653.1
PCNXL2	7.09E-09	-0.10759	0.05	0.09	0.000106	AC-G	PCNXL2
SLCO3A1	7.16E-09	-0.10082	0.01	0.036	0.000107	AC-G	SLCO3A1
HOTAIRM1.	7.20E-09	-0.14055	0.137	0.191	0.000108	AC-G	HOTAIRM1
RP13-516M	7.33E-09	-0.12907	0.01	0.036	0.00011	AC-G	RP13-516M14.4
DENND6A.1	7.56E-09	-0.10287	0.031	0.066	0.000113	AC-G	DENND6A
FEM1A	7.66E-09	-0.10358	0.083	0.134	0.000114	AC-G	FEM1A
TMEM91.1	7.96E-09	-0.12201	0.041	0.079	0.000119	AC-G	TMEM91
HHIP	7.99E-09	-0.13871	0.007	0.03	0.000119	AC-G	HHIP
POFUT2.1	8.11E-09	0.133542	0.12	0.081	0.000121	AC-G	POFUT2
VTI1A.1	8.85E-09	-0.12377	0.036	0.071	0.000132	AC-G	VTI1A
BRIX1.1	8.92E-09	0.248267	0.288	0.246	0.000133	AC-G	BRIX1
MAFF.1	9.03E-09	-0.22786	0.131	0.179	0.000135	AC-G	MAFF
NDN.1	9.21E-09	-0.1135	0.146	0.206	0.000138	AC-G	NDN
LAMP2.1	9.27E-09	0.21617	0.501	0.465	0.000139	AC-G	LAMP2
FZR1.1	9.65E-09	-0.10265	0.11	0.164	0.000144	AC-G	FZR1
NRIP3	9.99E-09	-0.10815	0.014	0.041	0.000149	AC-G	NRIP3
RP11-345J	1.01E-08	-0.11784	0.18	0.245	0.000152	AC-G	RP11-345J4.5
ZNF277	1.05E-08	-0.10977	0.126	0.181	0.000157	AC-G	ZNF277
CBFA2T2.1	1.06E-08	-0.10597	0.087	0.136	0.000158	AC-G	CBFA2T2
FAM214B.1	1.07E-08	-0.12854	0.079	0.126	0.00016	AC-G	FAM214B
TRAPPC4.1	1.09E-08	0.23797	0.463	0.441	0.000163	AC-G	TRAPPC4
KIAA0895L	1.13E-08	-0.10345	0.057	0.098	0.000169	AC-G	KIAA0895L
NEUROD2	1.14E-08	-0.11636	0.009	0.033	0.000171	AC-G	NEUROD2
C6orf15	1.15E-08	-0.15511	0.008	0.032	0.000171	AC-G	C6orf15
ZEB2-AS1	1.15E-08	-0.13003	0.013	0.038	0.000172	AC-G	ZEB2-AS1
C16orf54	1.17E-08	-0.10201	0.001	0.019	0.000175	AC-G	C16orf54
PCSK6	1.18E-08	-0.11005	0.002	0.02	0.000176	AC-G	PCSK6
PLXNB1.1	1.18E-08	-0.11846	0.044	0.082	0.000176	AC-G	PLXNB1
LINC00599	1.19E-08	-0.10009	0.013	0.039	0.000177	AC-G	LINC00599
NXPE3.1	1.21E-08	-0.13137	0.054	0.094	0.000181	AC-G	NXPE3
NKAIN4.1	1.25E-08	-0.14624	0.066	0.108	0.000187	AC-G	NKAIN4
RBBP7.1	1.27E-08	0.308664	0.446	0.42	0.00019	AC-G	RBBP7
CLN3	1.27E-08	0.14705	0.022	0.008	0.00019	AC-G	CLN3
MCM3.1	1.29E-08	-0.14053	0.101	0.15	0.000193	AC-G	MCM3
SHMT1.1	1.37E-08	-0.18156	0.08	0.125	0.000205	AC-G	SHMT1
UNC5B.1	1.38E-08	-0.18961	0.052	0.09	0.000206	AC-G	UNC5B
CD3E	1.39E-08	-0.17828	0.002	0.021	0.000207	AC-G	CD3E
YAP1	1.39E-08	0.133761	0.065	0.038	0.000208	AC-G	YAP1
ARV1.1	1.43E-08	0.214485	0.217	0.171	0.000214	AC-G	ARV1
GOLT1B.1	1.50E-08	0.237373	0.273	0.231	0.000225	AC-G	GOLT1B

LANCL2.1	1.51E-08	-0.13864	0.11	0.16	0.000226	AC-G	LANCL2
LRRC8B.1	1.53E-08	-0.10246	0.053	0.093	0.000228	AC-G	LRRC8B
KPNA6.1	1.56E-08	-0.10699	0.18	0.245	0.000233	AC-G	KPNA6
TMEM106C	1.58E-08	0.314702	0.299	0.26	0.000237	AC-G	TMEM106C
FAM91A1.1	1.63E-08	-0.11574	0.085	0.132	0.000244	AC-G	FAM91A1
CD200.1	1.65E-08	-0.14166	0.074	0.117	0.000246	AC-G	CD200
UQCRH.1	1.67E-08	0.131106	0.739	0.789	0.000249	AC-G	UQCRH
TRADD.1	1.71E-08	-0.12124	0.122	0.177	0.000256	AC-G	TRADD
ZNF703.1	1.72E-08	-0.13456	0.063	0.104	0.000257	AC-G	ZNF703
FXYD1	1.74E-08	0.122604	0.053	0.028	0.00026	AC-G	FXYD1
C8orf46	1.78E-08	-0.1321	0.099	0.147	0.000266	AC-G	C8orf46
TM2D2	1.83E-08	0.305405	0.372	0.334	0.000274	AC-G	TM2D2
GNL3.1	1.87E-08	0.27893	0.37	0.341	0.00028	AC-G	GNL3
HAAO	1.89E-08	-0.11728	0.005	0.026	0.000282	AC-G	HAAO
XPR1.1	1.93E-08	-0.10731	0.086	0.133	0.000289	AC-G	XPR1
SLC2A9	2.06E-08	-0.10921	0.007	0.029	0.000308	AC-G	SLC2A9
PDCL	2.06E-08	-0.13058	0.146	0.203	0.000308	AC-G	PDCL
SLAMF9	2.07E-08	-0.12773	0.003	0.022	0.00031	AC-G	SLAMF9
TSHZ1.1	2.22E-08	-0.10982	0.043	0.08	0.000331	AC-G	TSHZ1
GOLPH3L.1	2.28E-08	0.144306	0.11	0.074	0.000341	AC-G	GOLPH3L
SELK.1	2.28E-08	0.176124	0.683	0.704	0.000341	AC-G	SELK
ESYT1.1	2.30E-08	-0.12713	0.082	0.128	0.000343	AC-G	ESYT1
PAPSS2	2.31E-08	-0.10487	0.005	0.026	0.000345	AC-G	PAPSS2
KIAA1147	2.33E-08	-0.12549	0.041	0.077	0.000348	AC-G	KIAA1147
C9orf116.	2.38E-08	0.196397	0.104	0.071	0.000355	AC-G	C9orf116
PLA2G16.1	2.51E-08	0.206423	0.437	0.398	0.000376	AC-G	PLA2G16
SRP54.1	2.74E-08	0.270175	0.305	0.267	0.00041	AC-G	SRP54
PARK7.1	2.82E-08	0.246813	0.745	0.77	0.000421	AC-G	PARK7
EMG1	2.84E-08	0.287064	0.27	0.228	0.000425	AC-G	EMG1
TXNDC15	2.95E-08	0.266395	0.326	0.287	0.00044	AC-G	TXNDC15
BOD1L1.1	2.96E-08	-0.11231	0.115	0.168	0.000443	AC-G	BOD1L1
NHLH1	3.03E-08	-0.11204	0.007	0.028	0.000453	AC-G	NHLH1
NKAIN2	3.14E-08	-0.10594	0.002	0.02	0.000469	AC-G	NKAIN2
NPHP1	3.17E-08	0.211048	0.096	0.064	0.000474	AC-G	NPHP1
FAM134C.1	3.18E-08	-0.12485	0.083	0.127	0.000475	AC-G	FAM134C
C7orf26.1	3.23E-08	-0.10655	0.115	0.166	0.000482	AC-G	C7orf26
DEPTOR	3.23E-08	-0.12566	0.02	0.049	0.000482	AC-G	DEPTOR
PISD.1	3.30E-08	-0.12055	0.069	0.112	0.000493	AC-G	PISD
ITPRIP.1	3.34E-08	-0.14309	0.045	0.081	0.0005	AC-G	ITPRIP
PPP1R3B	3.36E-08	-0.10684	0.038	0.072	0.000501	AC-G	PPP1R3B
FAM111A.1	3.45E-08	-0.16156	0.074	0.116	0.000515	AC-G	FAM111A
CASP8.1	3.49E-08	-0.10603	0.023	0.052	0.000522	AC-G	CASP8
ATP5G1.1	3.50E-08	0.229016	0.605	0.62	0.000523	AC-G	ATP5G1
HK1.1	3.62E-08	-0.13077	0.148	0.204	0.000542	AC-G	HK1
UVRAG.1	3.72E-08	-0.11838	0.056	0.096	0.000556	AC-G	UVRAG
SNRK.1	3.90E-08	-0.10715	0.053	0.091	0.000583	AC-G	SNRK
OPALIN	3.91E-08	-0.18889	0	0.016	0.000585	AC-G	OPALIN
AC004540.	4.02E-08	-0.11679	0.049	0.085	0.000601	AC-G	AC004540.5
AKTIP	4.06E-08	0.233093	0.204	0.161	0.000607	AC-G	AKTIP
SLC1A5.1	4.11E-08	-0.17265	0.099	0.146	0.000614	AC-G	SLC1A5
SCD.1	4.16E-08	-0.1471	0.16	0.222	0.000621	AC-G	SCD

TMEM14A	4.22E-08	0.313368	0.349	0.319	0.000631	AC-G	TMEM14A
TOR3A.1	4.57E-08	-0.13058	0.162	0.219	0.000683	AC-G	TOR3A
TMEM147	4.59E-08	0.223725	0.586	0.597	0.000686	AC-G	TMEM147
NANS.1	4.69E-08	-0.14478	0.306	0.37	0.000701	AC-G	NANS
ANKRD28.1	4.71E-08	0.176671	0.146	0.106	0.000703	AC-G	ANKRD28
HES1.1	4.76E-08	0.22685	0.236	0.189	0.000711	AC-G	HES1
DNAJC19.1	4.76E-08	0.317617	0.408	0.385	0.000711	AC-G	DNAJC19
PPIA	4.76E-08	0.170652	0.815	0.887	0.000712	AC-G	PPIA
TCTEX1D2	4.88E-08	0.324812	0.259	0.221	0.000729	AC-G	TCTEX1D2
TUBA1B	4.92E-08	0.205882	0.842	0.906	0.000735	AC-G	TUBA1B
CAP2	5.04E-08	0.138525	0.083	0.052	0.000753	AC-G	CAP2
GRB10.1	5.16E-08	0.196716	0.1	0.068	0.000772	AC-G	GRB10
TRIO.1	5.38E-08	-0.10044	0.126	0.181	0.000804	AC-G	TRIO
EMC8.1	5.50E-08	-0.10111	0.218	0.282	0.000822	AC-G	EMC8
SGK3.1	5.59E-08	-0.13656	0.039	0.073	0.000835	AC-G	SGK3
CD2	5.70E-08	-0.18328	0.004	0.022	0.000852	AC-G	CD2
RGMB.1	5.73E-08	-0.19895	0.096	0.139	0.000857	AC-G	RGMB
KIAA1033.	5.92E-08	-0.10163	0.189	0.248	0.000884	AC-G	KIAA1033
SDHD	6.01E-08	0.228034	0.426	0.39	0.000898	AC-G	SDHD
PLBD2.1	6.06E-08	-0.10093	0.031	0.062	0.000905	AC-G	PLBD2
HSD3B7	6.08E-08	0.142136	0.104	0.07	0.000908	AC-G	HSD3B7
SDHC.1	6.18E-08	0.248634	0.558	0.557	0.000923	AC-G	SDHC
CCL20.1	6.18E-08	-0.17072	0.034	0.066	0.000924	AC-G	CCL20
SPNS3	6.68E-08	-0.1123	0.006	0.026	0.000998	AC-G	SPNS3
CCND2-AS1	6.80E-08	0.108255	0.042	0.022	0.001017	AC-G	CCND2-AS1
KIAA1551.	6.91E-08	-0.13061	0.055	0.093	0.001032	AC-G	KIAA1551
SLC9A3R1.	7.04E-08	-0.12962	0.109	0.158	0.001051	AC-G	SLC9A3R1
CD1D	7.20E-08	-0.13537	0.016	0.042	0.001077	AC-G	CD1D
NAA60	7.21E-08	0.130092	0.025	0.01	0.001077	AC-G	NAA60
ATP6AP1L	7.31E-08	0.141683	0.068	0.041	0.001092	AC-G	ATP6AP1L
PGM2	7.68E-08	-0.10516	0.108	0.156	0.001147	AC-G	PGM2
FRS2.1	7.77E-08	-0.10364	0.076	0.118	0.001161	AC-G	FRS2
C9orf3	7.83E-08	0.161946	0.138	0.098	0.00117	AC-G	C9orf3
LIG1	7.94E-08	-0.11707	0.043	0.077	0.001187	AC-G	LIG1
PHF1.1	7.98E-08	0.168804	0.205	0.162	0.001192	AC-G	PHF1
BAD	8.05E-08	0.231534	0.44	0.413	0.001203	AC-G	BAD
TPP2.1	8.13E-08	-0.12176	0.085	0.13	0.001215	AC-G	TPP2
SLC31A1.1	8.20E-08	-0.15368	0.126	0.176	0.001225	AC-G	SLC31A1
SCOC.1	8.63E-08	0.212521	0.436	0.41	0.001289	AC-G	SCOC
UBE2E1	8.66E-08	0.250214	0.459	0.449	0.001294	AC-G	UBE2E1
ITSN1.1	9.11E-08	-0.1574	0.107	0.153	0.001361	AC-G	ITSN1
GLTP.1	9.62E-08	-0.12156	0.215	0.279	0.001437	AC-G	GLTP
LEAP2.1	9.77E-08	-0.10928	0.051	0.088	0.001459	AC-G	LEAP2
ARID5B.1	9.80E-08	0.273212	0.38	0.35	0.001465	AC-G	ARID5B
FUBP1.1	1.00E-07	-0.1011	0.176	0.234	0.001501	AC-G	FUBP1
NDUFC2.1	1.01E-07	0.208281	0.715	0.76	0.001503	AC-G	NDUFC2
LONP2	1.03E-07	-0.11377	0.196	0.258	0.001545	AC-G	LONP2
BMPR1B	1.05E-07	0.100377	0.038	0.019	0.001563	AC-G	BMPR1B
CCL5	1.06E-07	-0.29285	0.031	0.06	0.00159	AC-G	CCL5
TUBE1	1.08E-07	0.142339	0.124	0.088	0.001614	AC-G	TUBE1
CIRBP.1	1.10E-07	0.135769	0.811	0.876	0.001646	AC-G	CIRBP

TMED4. 1	1. 11E-07	0. 272016	0. 449	0. 436	0. 001655	AC-G	TMED4
CAPN3	1. 17E-07	-0. 22376	0. 021	0. 047	0. 001743	AC-G	CAPN3
SERGEF. 1	1. 17E-07	0. 224063	0. 201	0. 161	0. 001748	AC-G	SERGEF
XPOT. 1	1. 20E-07	0. 187611	0. 2	0. 161	0. 0018	AC-G	XPOT
DPYD	1. 22E-07	0. 109253	0. 135	0. 094	0. 00182	AC-G	DPYD
TSPYL2	1. 22E-07	0. 142969	0. 146	0. 106	0. 001828	AC-G	TSPYL2
GCLM	1. 27E-07	0. 177613	0. 191	0. 152	0. 001899	AC-G	GCLM
ARID3A	1. 28E-07	-0. 11328	0. 078	0. 122	0. 001909	AC-G	ARID3A
SVIP. 1	1. 28E-07	-0. 24819	0. 131	0. 177	0. 001915	AC-G	SVIP
C1QTNF3	1. 30E-07	-0. 10089	0. 017	0. 043	0. 001937	AC-G	C1QTNF3
MCM4. 1	1. 31E-07	-0. 10751	0. 063	0. 102	0. 001953	AC-G	MCM4
RGN. 1	1. 40E-07	0. 154565	0. 1	0. 067	0. 002099	AC-G	RGN
ZSWIM8. 1	1. 41E-07	-0. 10371	0. 048	0. 084	0. 002102	AC-G	ZSWIM8
CCDC151	1. 42E-07	0. 153646	0. 089	0. 058	0. 002129	AC-G	CCDC151
AGTPBP1. 1	1. 45E-07	-0. 10653	0. 027	0. 055	0. 002168	AC-G	AGTPBP1
PCGF1	1. 46E-07	0. 170804	0. 125	0. 089	0. 002182	AC-G	PCGF1
NDUFA6. 1	1. 47E-07	0. 266328	0. 571	0. 572	0. 002192	AC-G	NDUFA6
ZNF804A	1. 49E-07	-0. 10093	0. 017	0. 042	0. 002223	AC-G	ZNF804A
CLOCK. 1	1. 51E-07	-0. 10384	0. 091	0. 135	0. 002251	AC-G	CLOCK
MANF. 1	1. 52E-07	0. 24962	0. 46	0. 449	0. 002275	AC-G	MANF
ETV3. 1	1. 59E-07	-0. 13248	0. 048	0. 082	0. 002382	AC-G	ETV3
PSMC2. 1	1. 60E-07	0. 259915	0. 474	0. 456	0. 002384	AC-G	PSMC2
PAK1IP1. 1	1. 66E-07	0. 228454	0. 25	0. 209	0. 002476	AC-G	PAK1IP1
TNFAIP8	1. 70E-07	-0. 11983	0. 042	0. 075	0. 002534	AC-G	TNFAIP8
SPOCK1. 1	1. 74E-07	-0. 14664	0. 052	0. 087	0. 002593	AC-G	SPOCK1
TNFRSF14. 1	1. 75E-07	-0. 18399	0. 082	0. 122	0. 00262	AC-G	TNFRSF14
PLEKHA5. 1	1. 78E-07	-0. 10404	0. 037	0. 069	0. 002657	AC-G	PLEKHA5
MCM7. 1	1. 79E-07	-0. 14382	0. 207	0. 263	0. 002677	AC-G	MCM7
HOXC10	1. 87E-07	0. 132691	0. 078	0. 049	0. 002794	AC-G	HOXC10
C1orf109	1. 96E-07	0. 201532	0. 163	0. 126	0. 002936	AC-G	C1orf109
CA2. 1	1. 99E-07	0. 274375	0. 263	0. 218	0. 002975	AC-G	CA2
SH2B2. 1	2. 03E-07	-0. 10564	0. 075	0. 115	0. 003031	AC-G	SH2B2
AC093673. 1	2. 05E-07	0. 221233	0. 211	0. 172	0. 003061	AC-G	AC093673. 5
ARG2	2. 05E-07	-0. 13264	0. 067	0. 106	0. 003063	AC-G	ARG2
STK3	2. 12E-07	0. 185118	0. 139	0. 103	0. 00317	AC-G	STK3
HOXC9. 1	2. 19E-07	-0. 13644	0. 056	0. 091	0. 003269	AC-G	HOXC9
KBTBD8	2. 21E-07	-0. 10623	0. 011	0. 033	0. 003309	AC-G	KBTBD8
ZNF419	2. 22E-07	0. 159234	0. 087	0. 057	0. 003314	AC-G	ZNF419
OCIAD1. 1	2. 23E-07	0. 23201	0. 621	0. 639	0. 003337	AC-G	OCIAD1
ANAPC11. 1	2. 24E-07	0. 196357	0. 717	0. 728	0. 003342	AC-G	ANAPC11
C10orf76. 1	2. 31E-07	-0. 1132	0. 031	0. 061	0. 003455	AC-G	C10orf76
MITD1. 1	2. 33E-07	0. 229336	0. 269	0. 227	0. 00348	AC-G	MITD1
PSMB7. 1	2. 36E-07	0. 208318	0. 629	0. 642	0. 003531	AC-G	PSMB7
FAM195B	2. 43E-07	0. 194828	0. 095	0. 063	0. 003629	AC-G	FAM195B
SERPINH1. 1	2. 47E-07	0. 235646	0. 24	0. 203	0. 003685	AC-G	SERPINH1
LINC00623	2. 62E-07	0. 145393	0. 022	0. 009	0. 00392	AC-G	LINC00623
ARL13B. 1	2. 71E-07	0. 180968	0. 176	0. 136	0. 004056	AC-G	ARL13B
ITGB5	2. 80E-07	-0. 13893	0. 032	0. 061	0. 004182	AC-G	ITGB5
SPAG1	2. 86E-07	0. 107592	0. 067	0. 042	0. 00428	AC-G	SPAG1
NRARP	2. 90E-07	-0. 10763	0. 016	0. 039	0. 004327	AC-G	NRARP
ELL2. 1	2. 94E-07	-0. 19391	0. 157	0. 2	0. 0044	AC-G	ELL2

SPG20	3.00E-07	0.169966	0.272	0.231	0.004483	AC-G	SPG20
APOL4	3.04E-07	0.118904	0.064	0.039	0.004537	AC-G	APOL4
MDH1	3.04E-07	0.219791	0.552	0.55	0.004548	AC-G	MDH1
CALHM2.1	3.05E-07	-0.11629	0.034	0.065	0.004557	AC-G	CALHM2
NQO1.1	3.23E-07	0.316397	0.136	0.103	0.004822	AC-G	NQO1
MLLT11	3.23E-07	-0.1073	0.411	0.462	0.004828	AC-G	MLLT11
ZDHHC14	3.24E-07	-0.12814	0.049	0.083	0.004848	AC-G	ZDHHC14
NT5C2.1	3.39E-07	-0.11624	0.094	0.136	0.005061	AC-G	NT5C2
TMX2	3.47E-07	0.249597	0.416	0.395	0.005184	AC-G	TMX2
COPZ1	3.54E-07	0.261555	0.496	0.483	0.005285	AC-G	COPZ1
CYSLTR1	3.54E-07	-0.10131	0.008	0.028	0.005295	AC-G	CYSLTR1
SAR1B.1	3.58E-07	0.210046	0.347	0.317	0.005345	AC-G	SAR1B
FCER1A	3.70E-07	-0.12391	0.008	0.027	0.005532	AC-G	FCER1A
DDIT3.1	3.87E-07	0.255739	0.44	0.426	0.00579	AC-G	DDIT3
KRBOX1	3.89E-07	0.109599	0.013	0.004	0.005813	AC-G	KRBOX1
GPBP1L1.1	4.04E-07	-0.10148	0.16	0.215	0.006043	AC-G	GPBP1L1
SMOC1	4.10E-07	-0.11584	0.015	0.038	0.00613	AC-G	SMOC1
C14orf1	4.22E-07	0.110951	0.229	0.305	0.006303	AC-G	C14orf1
ANKRD36.1	4.33E-07	-0.15361	0.145	0.193	0.00647	AC-G	ANKRD36
NACAD.1	4.37E-07	-0.10112	0.059	0.095	0.006538	AC-G	NACAD
PMM1.1	4.41E-07	0.313143	0.26	0.228	0.006593	AC-G	PMM1
FBXO8	4.61E-07	0.196464	0.176	0.138	0.006892	AC-G	FBXO8
KIAA2026.	4.76E-07	-0.12747	0.107	0.15	0.007112	AC-G	KIAA2026
SMIM14.1	4.81E-07	0.253483	0.359	0.325	0.007193	AC-G	SMIM14
CUTA.1	5.09E-07	0.138039	0.652	0.688	0.007607	AC-G	CUTA
S100A2	5.12E-07	0.136687	0.052	0.03	0.007645	AC-G	S100A2
RIPK2.1	5.16E-07	-0.14474	0.13	0.175	0.007718	AC-G	RIPK2
ATG4C.1	5.20E-07	-0.12207	0.102	0.146	0.007776	AC-G	ATG4C
SFXN5.1	5.30E-07	0.274388	0.218	0.182	0.007917	AC-G	SFXN5
HOXB2.1	5.51E-07	-0.11363	0.056	0.09	0.008232	AC-G	HOXB2
NR3C1.1	5.72E-07	-0.11602	0.2	0.258	0.008553	AC-G	NR3C1
MOCS2.1	5.77E-07	0.24961	0.293	0.257	0.008616	AC-G	MOCS2
SCML1.1	5.85E-07	0.135437	0.124	0.088	0.008747	AC-G	SCML1
KHDC1.1	6.03E-07	0.1002	0.09	0.059	0.009008	AC-G	KHDC1
SHMT2.1	6.67E-07	0.2697	0.26	0.226	0.009966	AC-G	SHMT2
PDLIM2	6.72E-07	0.28511	0.269	0.234	0.010048	AC-G	PDLIM2
NME5	7.05E-07	0.157005	0.07	0.045	0.010532	AC-G	NME5
DPM1.1	7.07E-07	0.283486	0.394	0.375	0.010564	AC-G	DPM1
METTL22.1	7.49E-07	-0.12233	0.06	0.095	0.01119	AC-G	METTL22
CTSL.1	7.96E-07	0.164913	0.561	0.516	0.011889	AC-G	CTSL
CHRAC1.1	8.22E-07	-0.10686	0.107	0.152	0.012283	AC-G	CHRAC1
ELN	8.33E-07	0.259885	0.138	0.102	0.012446	AC-G	ELN
YARS	8.36E-07	0.211096	0.246	0.212	0.012495	AC-G	YARS
PPP1R9A.1	8.39E-07	-0.14216	0.046	0.076	0.012534	AC-G	PPP1R9A
HOPX	8.73E-07	0.147522	0.347	0.27	0.013051	AC-G	HOPX
C1QTNF9B-	8.74E-07	0.134863	0.041	0.022	0.013059	AC-G	C1QTNF9B-AS1
FIBIN.1	8.78E-07	0.270616	0.262	0.22	0.013116	AC-G	FIBIN
BLZF1	9.14E-07	0.142722	0.147	0.111	0.013664	AC-G	BLZF1
PDLIM1.1	9.17E-07	0.219121	0.098	0.069	0.013701	AC-G	PDLIM1
SNX18.1	9.24E-07	-0.12127	0.08	0.119	0.013807	AC-G	SNX18
IP6K2.1	9.32E-07	0.242327	0.452	0.431	0.01392	AC-G	IP6K2

VPS26A	9.70E-07	-0.13594	0.2	0.251	0.014489	AC-G	VPS26A
CYB5B.1	9.70E-07	0.22364	0.363	0.332	0.014503	AC-G	CYB5B
BACE1.1	9.78E-07	-0.12187	0.085	0.124	0.01461	AC-G	BACE1
3-Mar	9.97E-07	0.142308	0.135	0.099	0.014901	AC-G	3-Mar
CNPY4.1	9.97E-07	0.202856	0.141	0.107	0.014905	AC-G	CNPY4
ATP5J	1.00E-06	0.200513	0.716	0.758	0.015009	AC-G	ATP5J
PSMB6	1.01E-06	0.212956	0.672	0.701	0.015099	AC-G	PSMB6
POR	1.02E-06	0.210582	0.295	0.259	0.015225	AC-G	POR
ATE1.1	1.02E-06	-0.10869	0.028	0.055	0.015312	AC-G	ATE1
NDUFA1.1	1.03E-06	0.150921	0.688	0.731	0.015356	AC-G	NDUFA1
IFIT2.1	1.03E-06	-0.13493	0.054	0.087	0.015398	AC-G	IFIT2
GPRC5C.1	1.05E-06	-0.1349	0.044	0.074	0.015758	AC-G	GPRC5C
GBP4	1.06E-06	-0.12942	0.042	0.072	0.015867	AC-G	GBP4
TULP3.1	1.08E-06	0.193796	0.154	0.12	0.016139	AC-G	TULP3
ZSCAN16.1	1.08E-06	-0.11359	0.039	0.068	0.016153	AC-G	ZSCAN16
C9orf9.1	1.12E-06	0.203989	0.137	0.104	0.016703	AC-G	C9orf9
PCP4	1.14E-06	0.175754	0.059	0.035	0.016962	AC-G	PCP4
CA8.1	1.17E-06	-0.12969	0.032	0.059	0.017454	AC-G	CA8
RAPH1	1.17E-06	-0.10045	0.041	0.071	0.017506	AC-G	RAPH1
SLC1A4.1	1.19E-06	-0.12122	0.046	0.078	0.017853	AC-G	SLC1A4
SPA17.1	1.20E-06	0.206977	0.106	0.076	0.017906	AC-G	SPA17
KLHL24.1	1.23E-06	-0.11363	0.14	0.186	0.018378	AC-G	KLHL24
IDNK.1	1.39E-06	0.166607	0.123	0.089	0.020821	AC-G	IDNK
NPRL2.1	1.53E-06	0.19403	0.189	0.152	0.02285	AC-G	NPRL2
CYB561.1	1.57E-06	0.167808	0.104	0.075	0.023479	AC-G	CYB561
TMEM230	1.58E-06	0.216523	0.61	0.618	0.023544	AC-G	TMEM230
CAPN2	1.61E-06	0.193229	0.279	0.247	0.024046	AC-G	CAPN2
ANGPTL2	1.61E-06	0.171808	0.127	0.094	0.024077	AC-G	ANGPTL2
SUN1.1	1.61E-06	0.206453	0.239	0.202	0.024088	AC-G	SUN1
TCEAL2	1.62E-06	0.118762	0.222	0.171	0.024136	AC-G	TCEAL2
SCAMP1	1.66E-06	-0.10432	0.172	0.222	0.024823	AC-G	SCAMP1
COPB2.1	1.67E-06	0.287507	0.327	0.302	0.024885	AC-G	COPB2
PCDHB10.1	1.72E-06	-0.13143	0.073	0.108	0.025646	AC-G	PCDHB10
ATP6V1F.1	1.73E-06	0.163097	0.744	0.813	0.025851	AC-G	ATP6V1F
AAMDC.1	1.74E-06	0.237778	0.236	0.2	0.025994	AC-G	AAMDC
UPF2	1.85E-06	-0.10997	0.174	0.226	0.027646	AC-G	UPF2
VPS4B.1	1.97E-06	-0.10386	0.2	0.258	0.029409	AC-G	VPS4B
KRTCAP2	1.99E-06	0.199356	0.559	0.556	0.0297	AC-G	KRTCAP2
GARS.1	2.05E-06	0.21737	0.316	0.289	0.030575	AC-G	GARS
AAMP.1	2.07E-06	0.224402	0.438	0.425	0.030869	AC-G	AAMP
WNT3	2.19E-06	0.13144	0.045	0.026	0.032788	AC-G	WNT3
IFI35.1	2.28E-06	0.255345	0.261	0.225	0.034114	AC-G	IFI35
C8orf48	2.35E-06	0.107615	0.019	0.008	0.035054	AC-G	C8orf48
GPX8	2.41E-06	0.213011	0.084	0.059	0.036041	AC-G	GPX8
CLUAP1	2.41E-06	0.257399	0.197	0.162	0.036079	AC-G	CLUAP1
PFDN5.1	2.47E-06	0.125189	0.813	0.898	0.036977	AC-G	PFDN5
ECHDC2.1	2.51E-06	0.230821	0.218	0.182	0.03758	AC-G	ECHDC2
MOK	2.54E-06	0.125448	0.089	0.061	0.038009	AC-G	MOK
GNLY	2.56E-06	-0.17654	0.013	0.033	0.038279	AC-G	GNLY
RP11-166C	2.57E-06	-0.1172	0.033	0.06	0.038377	AC-G	RP11-16604.6
CD3G	2.63E-06	-0.10013	0.001	0.013	0.039276	AC-G	CD3G

RAB40B. 1	2. 63E-06	-0. 1215	0. 096	0. 136	0. 03932	AC-G	RAB40B
PLD2. 1	2. 64E-06	-0. 10506	0. 058	0. 091	0. 039479	AC-G	PLD2
METTTL21B.	2. 65E-06	0. 132174	0. 088	0. 06	0. 039536	AC-G	METTTL21B
PSORS1C1	2. 69E-06	0. 181571	0. 054	0. 033	0. 040213	AC-G	PSORS1C1
PTGR1. 1	2. 72E-06	0. 299148	0. 212	0. 18	0. 040617	AC-G	PTGR1
MTRNR2L12	2. 99E-06	0. 371199	0. 228	0. 19	0. 044665	AC-G	MTRNR2L12
CCP110. 1	2. 99E-06	-0. 11721	0. 092	0. 13	0. 044716	AC-G	CCP110
ACP1. 1	3. 13E-06	0. 200992	0. 505	0. 497	0. 046726	AC-G	ACP1
INCA1	3. 20E-06	0. 119662	0. 031	0. 016	0. 047787	AC-G	INCA1
SEPT4. 1	3. 32E-06	-0. 18397	0. 097	0. 136	0. 049576	AC-G	4-Sep
CX3CL1	3. 33E-06	0. 133373	0. 057	0. 036	0. 049814	AC-G	CX3CL1
CMBL	3. 42E-06	0. 177275	0. 154	0. 121	0. 051069	AC-G	CMBL
ECH1. 1	3. 53E-06	0. 227777	0. 555	0. 559	0. 052797	AC-G	ECH1
TFB2M	3. 58E-06	0. 165767	0. 111	0. 08	0. 053489	AC-G	TFB2M
CD3D	3. 63E-06	-0. 21191	0. 006	0. 021	0. 054263	AC-G	CD3D
NFKB2. 1	3. 66E-06	-0. 13053	0. 038	0. 065	0. 054703	AC-G	NFKB2
PEX12. 1	3. 72E-06	0. 161775	0. 073	0. 048	0. 055561	AC-G	PEX12
TRAM1. 1	3. 76E-06	0. 162126	0. 45	0. 43	0. 056162	AC-G	TRAM1
EFHC1. 1	3. 98E-06	0. 298509	0. 231	0. 2	0. 059403	AC-G	EFHC1
PARP10	4. 16E-06	-0. 12907	0. 06	0. 092	0. 062228	AC-G	PARP10
NKX2-2. 1	4. 23E-06	-0. 11796	0. 114	0. 154	0. 063145	AC-G	NKX2-2
ISG20	4. 23E-06	0. 199799	0. 151	0. 116	0. 063146	AC-G	ISG20
AC002456.	4. 23E-06	0. 205615	0. 063	0. 04	0. 063178	AC-G	AC002456. 2
DNAJC25. 1	4. 34E-06	0. 132024	0. 109	0. 08	0. 064797	AC-G	DNAJC25
RP11-798M	4. 35E-06	0. 19155	0. 178	0. 143	0. 065009	AC-G	RP11-798M19. 6
COMTD1. 1	4. 49E-06	-0. 10593	0. 038	0. 064	0. 067147	AC-G	COMTD1
CDC42EP2	4. 50E-06	-0. 10614	0. 019	0. 04	0. 067306	AC-G	CDC42EP2
FAM229B	4. 63E-06	0. 213361	0. 316	0. 287	0. 069168	AC-G	FAM229B
RAB3IL1	4. 67E-06	-0. 10328	0. 016	0. 036	0. 069743	AC-G	RAB3IL1
RP11-620J	4. 70E-06	0. 218887	0. 302	0. 263	0. 070216	AC-G	RP11-620J15. 3
LCK	4. 75E-06	-0. 11898	0. 003	0. 017	0. 071056	AC-G	LCK
MCMBP. 1	4. 81E-06	-0. 10755	0. 11	0. 151	0. 071855	AC-G	MCMBP
PTPRF. 1	4. 83E-06	0. 163264	0. 142	0. 11	0. 072225	AC-G	PTPRF
PCID2	5. 25E-06	0. 23404	0. 207	0. 174	0. 078529	AC-G	PCID2
IBSP	5. 35E-06	-0. 15067	0. 009	0. 027	0. 080017	AC-G	IBSP
C5orf56. 1	5. 36E-06	0. 127789	0. 139	0. 106	0. 080041	AC-G	C5orf56
POLR1C. 1	5. 56E-06	0. 173604	0. 149	0. 116	0. 083137	AC-G	POLR1C
NR2F2	5. 92E-06	0. 104048	0. 064	0. 041	0. 088397	AC-G	NR2F2
HSD17B6	5. 97E-06	0. 106366	0. 032	0. 017	0. 089184	AC-G	HSD17B6
ISOC1	6. 21E-06	0. 149452	0. 195	0. 158	0. 092757	AC-G	ISOC1
CMTM5. 1	6. 33E-06	-0. 25709	0. 074	0. 105	0. 094609	AC-G	CMTM5
PSMA7. 1	6. 60E-06	0. 169393	0. 758	0. 809	0. 098619	AC-G	PSMA7
NT5E	6. 72E-06	0. 141843	0. 083	0. 058	0. 100406	AC-G	NT5E
ABCA8	6. 78E-06	0. 177837	0. 097	0. 07	0. 101332	AC-G	ABCA8
OAT	6. 85E-06	0. 156124	0. 273	0. 23	0. 102298	AC-G	OAT
VRK2. 1	6. 93E-06	-0. 1543	0. 034	0. 059	0. 103578	AC-G	VRK2
PTTG1. 1	7. 04E-06	-0. 16668	0. 192	0. 238	0. 105203	AC-G	PTTG1
WDR19. 1	7. 15E-06	0. 118343	0. 066	0. 043	0. 106789	AC-G	WDR19
SEC62. 1	7. 47E-06	0. 167428	0. 65	0. 699	0. 111596	AC-G	SEC62
DGUOK	7. 75E-06	0. 259317	0. 515	0. 516	0. 115841	AC-G	DGUOK
LMAN2. 1	7. 79E-06	0. 213157	0. 564	0. 576	0. 11645	AC-G	LMAN2

MAD2L1. 1	8. 18E-06	-0. 11032	0. 098	0. 134	0. 1223	AC-G	MAD2L1
SARS. 1	8. 34E-06	0. 198892	0. 448	0. 442	0. 124589	AC-G	SARS
RP11-1143	8. 99E-06	-0. 14394	0. 031	0. 056	0. 134371	AC-G	RP11-1143G9. 4
PELO. 1	9. 07E-06	0. 13111	0. 133	0. 101	0. 135615	AC-G	PELO
SELM. 1	9. 10E-06	0. 114172	0. 222	0. 182	0. 135948	AC-G	SELM
GSTZ1. 1	9. 38E-06	0. 112727	0. 117	0. 165	0. 140231	AC-G	GSTZ1
QPCT. 1	9. 46E-06	-0. 1449	0. 028	0. 051	0. 141432	AC-G	QPCT
HDHD3	9. 74E-06	0. 208216	0. 135	0. 104	0. 145485	AC-G	HDHD3
ZDHHC4. 1	1. 03E-05	0. 252408	0. 373	0. 351	0. 15348	AC-G	ZDHHC4
SERF2	1. 06E-05	0. 160261	0. 837	0. 907	0. 157763	AC-G	SERF2
OMG. 1	1. 09E-05	-0. 13129	0. 055	0. 084	0. 162944	AC-G	OMG
TMEM43. 1	1. 12E-05	0. 141894	0. 22	0. 186	0. 167084	AC-G	TMEM43
GFPT1	1. 15E-05	0. 117164	0. 121	0. 09	0. 171529	AC-G	GFPT1
CCT8	1. 17E-05	0. 158747	0. 541	0. 534	0. 175375	AC-G	CCT8
NDUFB9. 1	1. 20E-05	0. 174026	0. 665	0. 694	0. 179501	AC-G	NDUFB9
SMS. 1	1. 21E-05	0. 217349	0. 565	0. 574	0. 180375	AC-G	SMS
NOP16. 1	1. 23E-05	0. 286829	0. 224	0. 194	0. 183356	AC-G	NOP16
HSPD1. 1	1. 26E-05	0. 161916	0. 582	0. 621	0. 188088	AC-G	HSPD1
DNAJB1	1. 26E-05	0. 252018	0. 608	0. 61	0. 188852	AC-G	DNAJB1
NIFK	1. 27E-05	0. 252296	0. 366	0. 345	0. 189574	AC-G	NIFK
LRRCC1. 1	1. 29E-05	0. 246646	0. 159	0. 131	0. 192952	AC-G	LRRCC1
CLDN12. 1	1. 29E-05	0. 167397	0. 165	0. 133	0. 193105	AC-G	CLDN12
FOSL1. 1	1. 32E-05	0. 113982	0. 065	0. 043	0. 197443	AC-G	FOSL1
ST5. 1	1. 33E-05	0. 19517	0. 177	0. 146	0. 199415	AC-G	ST5
NDUFS4	1. 36E-05	0. 237125	0. 503	0. 505	0. 203696	AC-G	NDUFS4
HS2ST1. 1	1. 41E-05	0. 275453	0. 198	0. 17	0. 211111	AC-G	HS2ST1
TXLNG	1. 45E-05	0. 155511	0. 16	0. 128	0. 21735	AC-G	TXLNG
MTURN	1. 51E-05	-0. 1116	0. 055	0. 084	0. 225233	AC-G	MTURN
VBP1. 1	1. 56E-05	0. 212364	0. 495	0. 485	0. 233576	AC-G	VBP1
TXNDC12. 1	1. 57E-05	0. 144757	0. 448	0. 429	0. 234542	AC-G	TXNDC12
CCDC25. 1	1. 59E-05	0. 222404	0. 318	0. 293	0. 237134	AC-G	CCDC25
TPD52. 1	1. 63E-05	0. 208187	0. 262	0. 231	0. 242857	AC-G	TPD52
SLC46A3. 1	1. 64E-05	-0. 13341	0. 037	0. 061	0. 245673	AC-G	SLC46A3
DPH3	1. 72E-05	0. 269163	0. 239	0. 208	0. 256486	AC-G	DPH3
PTPRCAP	1. 75E-05	-0. 196	0. 012	0. 029	0. 261488	AC-G	PTPRCAP
ANPEP	1. 77E-05	-0. 10194	0. 016	0. 035	0. 263854	AC-G	ANPEP
ORC5. 1	1. 77E-05	0. 183563	0. 123	0. 095	0. 264924	AC-G	ORC5
SOX2. 1	1. 81E-05	-0. 11065	0. 396	0. 436	0. 270547	AC-G	SOX2
DPCD. 1	1. 82E-05	0. 205916	0. 187	0. 156	0. 272096	AC-G	DPCD
ATP5B. 1	1. 85E-05	0. 165797	0. 734	0. 784	0. 277047	AC-G	ATP5B
ZFAS1. 1	1. 95E-05	0. 202434	0. 664	0. 704	0. 291313	AC-G	ZFAS1
PARP12. 1	1. 99E-05	-0. 1095	0. 052	0. 079	0. 297005	AC-G	PARP12
PRNP	2. 00E-05	0. 175827	0. 471	0. 464	0. 298519	AC-G	PRNP
S100A1	2. 05E-05	-0. 21096	0. 021	0. 041	0. 306069	AC-G	S100A1
NFIL3. 1	2. 14E-05	-0. 16931	0. 06	0. 088	0. 320118	AC-G	NFIL3
WWTR1. 1	2. 18E-05	0. 192994	0. 187	0. 155	0. 325744	AC-G	WWTR1
LBH. 1	2. 20E-05	-0. 12486	0. 123	0. 159	0. 328147	AC-G	LBH
PPP1R15B. 1	2. 22E-05	-0. 10267	0. 089	0. 123	0. 332381	AC-G	PPP1R15B
NMD3	2. 23E-05	0. 172266	0. 242	0. 21	0. 333442	AC-G	NMD3
CCL7	2. 38E-05	0. 121028	0. 023	0. 011	0. 355319	AC-G	CCL7
CTC-479C5	2. 43E-05	-0. 11037	0. 032	0. 055	0. 363393	AC-G	CTC-479C5. 12



TF. 1	2. 44E-05	-0. 1219	0. 098	0. 068	0. 364462	AC-G	TF
DUSP22. 1	2. 47E-05	-0. 13493	0. 085	0. 117	0. 368776	AC-G	DUSP22
TLR3	2. 50E-05	-0. 10776	0. 017	0. 036	0. 373367	AC-G	TLR3
PTGS2. 1	2. 52E-05	-0. 13458	0. 041	0. 065	0. 376778	AC-G	PTGS2
ARMCX2	2. 55E-05	0. 245076	0. 172	0. 141	0. 380479	AC-G	ARMCX2
CYB5A. 1	2. 59E-05	0. 314065	0. 355	0. 339	0. 387327	AC-G	CYB5A
SLC17A5. 1	2. 64E-05	-0. 13213	0. 08	0. 111	0. 394087	AC-G	SLC17A5
RAB6B. 1	2. 67E-05	0. 10043	0. 085	0. 061	0. 399241	AC-G	RAB6B
MBNL2. 1	2. 76E-05	-0. 11468	0. 071	0. 1	0. 412041	AC-G	MBNL2
PDIA5	2. 77E-05	0. 187871	0. 09	0. 066	0. 414521	AC-G	PDIA5
JAGN1. 1	2. 91E-05	0. 271199	0. 341	0. 316	0. 4351	AC-G	JAGN1
PIR	2. 93E-05	0. 132587	0. 076	0. 053	0. 437383	AC-G	PIR
RNF135. 1	2. 97E-05	-0. 14291	0. 085	0. 116	0. 443423	AC-G	RNF135
IFI6. 1	3. 02E-05	0. 204931	0. 421	0. 404	0. 451074	AC-G	IFI6
DNAAF1	3. 14E-05	-0. 12665	0. 013	0. 03	0. 469634	AC-G	DNAAF1
CTD-2015H	3. 17E-05	0. 119401	0. 059	0. 039	0. 474196	AC-G	CTD-2015H6. 3
TUBG2. 1	3. 37E-05	0. 177301	0. 134	0. 106	0. 503021	AC-G	TUBG2
GTF2H2	3. 40E-05	0. 212924	0. 21	0. 18	0. 508758	AC-G	GTF2H2
NOP58. 1	3. 74E-05	0. 206797	0. 312	0. 288	0. 558713	AC-G	NOP58
INSR. 1	3. 85E-05	-0. 11854	0. 115	0. 151	0. 575192	AC-G	INSR
TMEM99. 1	3. 90E-05	0. 166129	0. 152	0. 123	0. 582897	AC-G	TMEM99
NR2C2AP	4. 32E-05	0. 234027	0. 189	0. 161	0. 645292	AC-G	NR2C2AP
NECAB1	4. 40E-05	-0. 11642	0. 021	0. 04	0. 657522	AC-G	NECAB1
DNAJC1. 1	4. 41E-05	-0. 10253	0. 15	0. 192	0. 658387	AC-G	DNAJC1
EVA1C. 1	4. 56E-05	0. 155911	0. 091	0. 068	0. 680787	AC-G	EVA1C
SLC25A4. 1	4. 68E-05	0. 211424	0. 44	0. 424	0. 699539	AC-G	SLC25A4
TAF1D. 1	4. 88E-05	0. 220794	0. 354	0. 341	0. 729949	AC-G	TAF1D
MTRR. 1	5. 10E-05	0. 128412	0. 105	0. 079	0. 762741	AC-G	MTRR
TMED5. 1	5. 21E-05	0. 170761	0. 33	0. 301	0. 778655	AC-G	TMED5
EML2. 1	5. 26E-05	-0. 11629	0. 06	0. 087	0. 786464	AC-G	EML2
MEAF6. 1	5. 45E-05	0. 195987	0. 478	0. 477	0. 81399	AC-G	MEAF6
MYL12B. 1	5. 53E-05	0. 203357	0. 693	0. 734	0. 826839	AC-G	MYL12B
DDX39A. 1	5. 55E-05	0. 235357	0. 404	0. 39	0. 82901	AC-G	DDX39A
POT1	5. 81E-05	0. 120148	0. 103	0. 077	0. 868367	AC-G	POT1
UNC50	5. 88E-05	0. 189169	0. 369	0. 352	0. 878092	AC-G	UNC50
ZFP36L1	5. 93E-05	0. 200128	0. 561	0. 559	0. 886535	AC-G	ZFP36L1
SLC25A18	6. 80E-05	0. 305002	0. 107	0. 083	1	AC-G	SLC25A18
RP11-629G	6. 86E-05	0. 11658	0. 033	0. 019	1	AC-G	RP11-629G13. 1
FOSL2. 1	6. 98E-05	-0. 11268	0. 153	0. 192	1	AC-G	FOSL2
CDC37L1	7. 05E-05	0. 142962	0. 164	0. 134	1	AC-G	CDC37L1
TMEM231	7. 16E-05	0. 120812	0. 081	0. 059	1	AC-G	TMEM231
KDM7A	7. 30E-05	-0. 10653	0. 043	0. 066	1	AC-G	KDM7A
GZMA	7. 59E-05	-0. 15417	0. 005	0. 016	1	AC-G	GZMA
NFKBIZ. 1	7. 82E-05	0. 145601	0. 204	0. 169	1	AC-G	NFKBIZ
TIMMDC1	7. 83E-05	0. 202793	0. 397	0. 385	1	AC-G	TIMMDC1
MKL2. 1	8. 02E-05	0. 12628	0. 097	0. 073	1	AC-G	MKL2
MTRNR2L8	8. 18E-05	0. 21333	0. 221	0. 185	1	AC-G	MTRNR2L8
MXD1	8. 39E-05	-0. 14764	0. 103	0. 133	1	AC-G	MXD1
SLC35E3	8. 48E-05	-0. 13968	0. 156	0. 193	1	AC-G	SLC35E3
EEF1D. 1	8. 81E-05	0. 128834	0. 782	0. 857	1	AC-G	EEF1D
NAF1. 1	8. 86E-05	-0. 11187	0. 085	0. 114	1	AC-G	NAF1

FLNA. 1	8. 95E-05	0. 184974	0. 273	0. 246	1 AC-G	FLNA
MATN2	9. 02E-05	0. 137078	0. 085	0. 062	1 AC-G	MATN2
MIR210HG	9. 26E-05	0. 160382	0. 112	0. 087	1 AC-G	MIR210HG
PTPRZ1. 1	9. 33E-05	-0. 1016	0. 363	0. 388	1 AC-G	PTPRZ1
TMEM216	9. 44E-05	0. 209495	0. 101	0. 076	1 AC-G	TMEM216
LSM5	9. 59E-05	0. 200673	0. 503	0. 508	1 AC-G	LSM5
C3. 1	9. 95E-05	0. 167269	0. 438	0. 394	1 AC-G	C3
TROVE2	0. 0001	0. 169332	0. 433	0. 433	1 AC-G	TROVE2
BZW1. 1	0. 000101	0. 166921	0. 521	0. 541	1 AC-G	BZW1
YIPF3. 1	0. 000107	0. 225492	0. 48	0. 484	1 AC-G	YIPF3
DYNC2H1	0. 00011	0. 112667	0. 068	0. 048	1 AC-G	DYNC2H1
PIN4. 1	0. 00011	0. 237783	0. 422	0. 417	1 AC-G	PIN4
HIBADH. 1	0. 000111	0. 219507	0. 25	0. 223	1 AC-G	HIBADH
TXNDC17. 1	0. 000112	0. 250435	0. 525	0. 525	1 AC-G	TXNDC17
COMMD6. 1	0. 000112	0. 164745	0. 726	0. 786	1 AC-G	COMMD6
ZCRB1. 1	0. 000119	0. 264853	0. 48	0. 493	1 AC-G	ZCRB1
NRCAM	0. 00012	0. 242264	0. 289	0. 266	1 AC-G	NRCAM
PLS3. 1	0. 000121	0. 28494	0. 245	0. 216	1 AC-G	PLS3
CALCOCO2.	0. 000125	0. 123163	0. 219	0. 188	1 AC-G	CALCOCO2
OSCP1. 1	0. 000127	0. 109584	0. 084	0. 062	1 AC-G	OSCP1
ATP6V1G1.	0. 00013	0. 1692	0. 718	0. 761	1 AC-G	ATP6V1G1
CBR1	0. 000133	0. 175981	0. 476	0. 476	1 AC-G	CBR1
IFIT3. 1	0. 000135	-0. 1217	0. 084	0. 113	1 AC-G	IFIT3
CD320	0. 000138	0. 15547	0. 339	0. 314	1 AC-G	CD320
PLRG1. 1	0. 000142	0. 210132	0. 259	0. 233	1 AC-G	PLRG1
TMEM47	0. 000142	0. 124299	0. 099	0. 076	1 AC-G	TMEM47
ATF3. 1	0. 000142	0. 114156	0. 334	0. 296	1 AC-G	ATF3
SEC11C. 1	0. 000147	0. 198685	0. 483	0. 5	1 AC-G	SEC11C
CDK7. 1	0. 000148	0. 160675	0. 114	0. 089	1 AC-G	CDK7
TMEM176B.	0. 000156	-0. 2242	0. 335	0. 355	1 AC-G	TMEM176B
CEBPZ. 1	0. 000157	0. 201405	0. 289	0. 268	1 AC-G	CEBPZ
NEIL2. 1	0. 000169	0. 245321	0. 217	0. 195	1 AC-G	NEIL2
ZNF230	0. 000172	0. 104348	0. 067	0. 048	1 AC-G	ZNF230
AGPAT5	0. 000177	0. 259037	0. 228	0. 206	1 AC-G	AGPAT5
ZNF408. 1	0. 000179	0. 104189	0. 095	0. 072	1 AC-G	ZNF408
RAD23A. 1	0. 000181	0. 129455	0. 569	0. 566	1 AC-G	RAD23A
AARS	0. 000184	0. 150169	0. 251	0. 226	1 AC-G	AARS
GOLGA7	0. 000184	0. 16346	0. 467	0. 463	1 AC-G	GOLGA7
LRTOMT	0. 000184	0. 156255	0. 089	0. 068	1 AC-G	LRTOMT
CCDC47. 1	0. 000185	0. 120487	0. 412	0. 403	1 AC-G	CCDC47
PGM1. 1	0. 000186	0. 21563	0. 271	0. 247	1 AC-G	PGM1
ZNF568	0. 000189	0. 137817	0. 119	0. 094	1 AC-G	ZNF568
RPRM. 1	0. 000192	-0. 12712	0. 048	0. 07	1 AC-G	RPRM
OST4. 1	0. 000195	0. 186117	0. 734	0. 789	1 AC-G	OST4
MX1	0. 000197	-0. 17745	0. 097	0. 124	1 AC-G	MX1
TMEFF2. 1	0. 000214	-0. 11631	0. 058	0. 081	1 AC-G	TMEFF2
CRY1	0. 000215	0. 208311	0. 157	0. 132	1 AC-G	CRY1
GNG12	0. 000216	0. 213526	0. 157	0. 134	1 AC-G	GNG12
SLC9A9. 1	0. 000216	-0. 14822	0. 058	0. 082	1 AC-G	SLC9A9
PTHLH	0. 00022	0. 100434	0. 046	0. 031	1 AC-G	PTHLH
FERMT2. 1	0. 000229	0. 175409	0. 221	0. 199	1 AC-G	FERMT2

VMP1. 1	0.000231	0.17156	0.472	0.472	1 AC-G	VMP1
ZCCHC6. 1	0.000248	-0.10823	0.109	0.14	1 AC-G	ZCCHC6
ATOX1. 1	0.000255	0.231185	0.591	0.607	1 AC-G	ATOX1
IRF1. 1	0.000256	0.162379	0.232	0.201	1 AC-G	IRF1
TAX1BP1	0.000272	0.143841	0.493	0.516	1 AC-G	TAX1BP1
RIT2. 1	0.000278	0.12621	0.096	0.072	1 AC-G	RIT2
ATP1B2. 1	0.000287	0.17917	0.257	0.228	1 AC-G	ATP1B2
TEX10. 1	0.000289	0.107269	0.096	0.073	1 AC-G	TEX10
ABCF2. 1	0.000293	0.224488	0.236	0.212	1 AC-G	ABCF2
LMAN1. 1	0.000294	0.235462	0.338	0.327	1 AC-G	LMAN1
PRAF2. 1	0.000296	0.15814	0.311	0.3	1 AC-G	PRAF2
ANXA4. 1	0.000301	0.174144	0.218	0.189	1 AC-G	ANXA4
ANAPC13. 1	0.000303	0.168874	0.369	0.351	1 AC-G	ANAPC13
COA3	0.000307	0.246274	0.466	0.479	1 AC-G	COA3
NSG1. 1	0.000309	-0.19118	0.155	0.18	1 AC-G	NSG1
HEPACAM. 1	0.000321	0.234289	0.201	0.173	1 AC-G	HEPACAM
CASP4. 1	0.000324	0.184275	0.255	0.222	1 AC-G	CASP4
NEXN	0.000347	0.103962	0.045	0.03	1 AC-G	NEXN
C1orf52. 1	0.000359	0.209396	0.322	0.304	1 AC-G	C1orf52
CRISPLD1.	0.00036	0.136598	0.109	0.086	1 AC-G	CRISPLD1
ROMO1. 1	0.000362	0.187793	0.579	0.598	1 AC-G	ROMO1
CIB1. 1	0.000364	0.161685	0.5	0.491	1 AC-G	CIB1
IARS	0.000368	0.179701	0.227	0.207	1 AC-G	IARS
FBL. 1	0.000374	0.211398	0.387	0.376	1 AC-G	FBL
LOXL3	0.000384	-0.10143	0.054	0.077	1 AC-G	LOXL3
NMB. 1	0.000385	0.193961	0.222	0.198	1 AC-G	NMB
VAMP4	0.00039	0.132157	0.139	0.114	1 AC-G	VAMP4
GMNN. 1	0.000399	0.21198	0.196	0.172	1 AC-G	GMNN
NDUFV2. 1	0.000425	0.193067	0.576	0.594	1 AC-G	NDUFV2
TVP23B. 1	0.000438	0.106275	0.122	0.098	1 AC-G	TVP23B
SNRPG. 1	0.000449	0.156122	0.62	0.643	1 AC-G	SNRPG
PCDH1	0.000471	0.116871	0.075	0.056	1 AC-G	PCDH1
TNKS1BP1	0.000474	0.136272	0.09	0.07	1 AC-G	TNKS1BP1
EGFL7	0.000488	-0.10588	0.023	0.039	1 AC-G	EGFL7
USE1. 1	0.000493	0.279485	0.341	0.328	1 AC-G	USE1
OTUD7B	0.000505	0.130429	0.12	0.097	1 AC-G	OTUD7B
GS1-124K5	0.000523	0.194648	0.134	0.11	1 AC-G	GS1-124K5. 4
SIVA1. 1	0.000524	0.176313	0.485	0.486	1 AC-G	SIVA1
LINC00116	0.000527	0.253357	0.368	0.364	1 AC-G	LINC00116
TMEM222. 1	0.00054	0.169127	0.297	0.276	1 AC-G	TMEM222
RWDD1. 1	0.000548	0.170823	0.516	0.529	1 AC-G	RWDD1
TRIP10	0.000553	0.152594	0.117	0.095	1 AC-G	TRIP10
PODXL. 1	0.000559	0.155197	0.086	0.067	1 AC-G	PODXL
GNAI1. 1	0.000586	-0.14095	0.086	0.109	1 AC-G	GNAI1
TIMM44. 1	0.00059	0.201901	0.274	0.26	1 AC-G	TIMM44
PSMA6. 1	0.000591	0.191979	0.245	0.219	1 AC-G	PSMA6
B9D1	0.000591	0.297602	0.118	0.097	1 AC-G	B9D1
GZMK	0.000603	-0.11521	0.003	0.012	1 AC-G	GZMK
RNU12	0.00061	-0.11433	0.024	0.04	1 AC-G	RNU12
THYN1. 1	0.000613	0.250455	0.41	0.406	1 AC-G	THYN1
SH3GLB1. 1	0.000616	0.207677	0.431	0.43	1 AC-G	SH3GLB1

HNRNPA2B1	0.000616	0.15006	0.79	0.856	1 AC-G	HNRNPA2B1
MORF4L1.1	0.00063	0.110979	0.711	0.751	1 AC-G	MORF4L1
MIF.1	0.00064	0.14544	0.615	0.681	1 AC-G	MIF
ZNF181	0.000676	0.164122	0.115	0.093	1 AC-G	ZNF181
AIMP2.1	0.000678	0.203287	0.259	0.237	1 AC-G	AIMP2
HSD17B12.	0.000711	0.144349	0.417	0.413	1 AC-G	HSD17B12
TRNT1.1	0.000712	0.234986	0.15	0.128	1 AC-G	TRNT1
MAGED2.1	0.000715	0.158322	0.503	0.51	1 AC-G	MAGED2
FAM221A.1	0.000718	0.1577	0.202	0.173	1 AC-G	FAM221A
MUT.1	0.00073	0.107782	0.178	0.153	1 AC-G	MUT
CLDN11	0.000731	-0.14652	0.031	0.048	1 AC-G	CLDN11
LYRM1.1	0.000733	0.269899	0.203	0.179	1 AC-G	LYRM1
DNAJC2.1	0.00074	0.156765	0.312	0.295	1 AC-G	DNAJC2
APIP.1	0.000754	-0.10034	0.202	0.239	1 AC-G	APIP
TOPORS.1	0.000765	-0.11353	0.152	0.184	1 AC-G	TOPORS
ZNF136	0.00077	0.126146	0.115	0.094	1 AC-G	ZNF136
CCT3.1	0.000788	0.175123	0.563	0.58	1 AC-G	CCT3
FHIT.1	0.000793	-0.18193	0.096	0.12	1 AC-G	FHIT
LINC00493	0.000796	0.192837	0.522	0.532	1 AC-G	LINC00493
DCAKD.1	0.000837	0.102297	0.112	0.144	1 AC-G	DCAKD
AHR.1	0.000843	-0.14204	0.047	0.066	1 AC-G	AHR
CDC42EP4.	0.000856	0.114769	0.225	0.196	1 AC-G	CDC42EP4
EIF2S2.1	0.000915	0.154725	0.564	0.593	1 AC-G	EIF2S2
HOXA10.1	0.000934	-0.10585	0.06	0.08	1 AC-G	HOXA10
TMEM50A.1	0.000936	0.219531	0.567	0.597	1 AC-G	TMEM50A
PCOLCE	0.001014	0.277359	0.097	0.078	1 AC-G	PCOLCE
ADAMTS4	0.001071	-0.10272	0.02	0.034	1 AC-G	ADAMTS4
IFT46	0.001075	0.157776	0.127	0.106	1 AC-G	IFT46
ALKBH2.1	0.001079	0.225008	0.212	0.192	1 AC-G	ALKBH2
CHMP5	0.001083	0.144788	0.523	0.534	1 AC-G	CHMP5
IQCK	0.001087	0.208843	0.143	0.123	1 AC-G	IQCK
DYNLRB1	0.001088	0.173339	0.647	0.669	1 AC-G	DYNLRB1
RP11-11N9	0.001199	0.108604	0.069	0.051	1 AC-G	RP11-11N9.4
GALK1.1	0.001217	0.106246	0.169	0.211	1 AC-G	GALK1
C1orf53	0.001237	0.223796	0.099	0.08	1 AC-G	C1orf53
FOXP1	0.001253	0.276006	0.254	0.226	1 AC-G	FOXP1
ZFAND2A.1	0.001287	0.254226	0.299	0.28	1 AC-G	ZFAND2A
TSC22D4.1	0.001287	0.187315	0.476	0.469	1 AC-G	TSC22D4
MICALL2	0.001289	0.10539	0.085	0.066	1 AC-G	MICALL2
CAPZA2.1	0.001352	0.174737	0.611	0.662	1 AC-G	CAPZA2
ABLIM1.1	0.001355	0.102235	0.067	0.05	1 AC-G	ABLIM1
WBSCR22.1	0.001439	0.203187	0.483	0.495	1 AC-G	WBSCR22
TMEM55A.1	0.001474	0.124198	0.251	0.229	1 AC-G	TMEM55A
STK33	0.001478	0.11171	0.083	0.065	1 AC-G	STK33
TMEM186.1	0.001529	0.128497	0.114	0.094	1 AC-G	TMEM186
PTRH2.1	0.00153	0.155856	0.156	0.134	1 AC-G	PTRH2
SNTG1	0.001555	0.364537	0.168	0.15	1 AC-G	SNTG1
MAP9	0.001581	0.181936	0.206	0.185	1 AC-G	MAP9
PHOSPHO2	0.001587	0.103855	0.057	0.042	1 AC-G	PHOSPHO2
CDK18	0.001633	-0.11584	0.061	0.081	1 AC-G	CDK18
PDK1	0.001735	0.105797	0.101	0.081	1 AC-G	PDK1

AMD1	0.00177	0.1503	0.39	0.382	1 AC-G	AMD1
TGFB1I1.1	0.001782	0.271062	0.141	0.123	1 AC-G	TGFB1I1
SEC61A1	0.001784	0.150247	0.368	0.365	1 AC-G	SEC61A1
CCT4	0.001804	0.170062	0.543	0.564	1 AC-G	CCT4
NIP7.1	0.00181	0.149862	0.191	0.168	1 AC-G	NIP7
ZNF211	0.001822	0.12726	0.081	0.063	1 AC-G	ZNF211
TAPBPL.1	0.001858	0.156201	0.143	0.118	1 AC-G	TAPBPL
MAP7	0.001917	-0.12122	0.027	0.041	1 AC-G	MAP7
PRPS1.1	0.001919	0.120013	0.21	0.186	1 AC-G	PRPS1
ISOC2.1	0.001936	0.175529	0.359	0.347	1 AC-G	ISOC2
NUDCD1.1	0.002001	0.109598	0.118	0.097	1 AC-G	NUDCD1
SMYD3.1	0.002183	0.18297	0.157	0.135	1 AC-G	SMYD3
GPX7	0.002194	0.124007	0.145	0.183	1 AC-G	GPX7
EAPP.1	0.002216	0.258867	0.356	0.354	1 AC-G	EAPP
ZNF503.1	0.002339	-0.10764	0.085	0.107	1 AC-G	ZNF503
RP11-421L	0.002343	0.146508	0.097	0.078	1 AC-G	RP11-421L21.3
EIF5B	0.002406	0.201629	0.51	0.524	1 AC-G	EIF5B
LRRC8A	0.002456	0.150053	0.184	0.165	1 AC-G	LRRC8A
MAP3K13.1	0.002533	0.184681	0.395	0.393	1 AC-G	MAP3K13
RNF19A.1	0.002546	0.154002	0.219	0.199	1 AC-G	RNF19A
TBCE	0.00261	0.128421	0.124	0.104	1 AC-G	TBCE
ASL	0.002633	0.20048	0.189	0.167	1 AC-G	ASL
DNAJB4.1	0.002648	0.10432	0.145	0.122	1 AC-G	DNAJB4
TMEM60.1	0.002777	0.194147	0.262	0.244	1 AC-G	TMEM60
UBE2D3	0.002865	0.122272	0.678	0.737	1 AC-G	UBE2D3
TAF12.1	0.002928	0.205013	0.318	0.307	1 AC-G	TAF12
PPP2R2B.1	0.002949	0.245296	0.234	0.216	1 AC-G	PPP2R2B
EIF3M.1	0.003057	0.157232	0.513	0.528	1 AC-G	EIF3M
PDE4DIP	0.003085	0.124227	0.287	0.259	1 AC-G	PDE4DIP
SNHG12.1	0.003096	0.125975	0.154	0.13	1 AC-G	SNHG12
TAF9.1	0.003297	0.14664	0.48	0.504	1 AC-G	TAF9
MAGOH.1	0.003371	0.195899	0.411	0.415	1 AC-G	MAGOH
RIOK2.1	0.003383	0.117758	0.14	0.118	1 AC-G	RIOK2
TOM1L1.1	0.003408	0.121803	0.07	0.055	1 AC-G	TOM1L1
GORAB.1	0.003412	0.104095	0.089	0.072	1 AC-G	GORAB
PRMT5.1	0.003504	0.165574	0.168	0.147	1 AC-G	PRMT5
PSMB5.1	0.003541	0.199609	0.578	0.598	1 AC-G	PSMB5
FOPNL.1	0.003573	0.162822	0.21	0.19	1 AC-G	FOPNL
NFYB	0.003575	0.199129	0.197	0.181	1 AC-G	NFYB
GPI	0.003618	0.175506	0.361	0.355	1 AC-G	GPI
NOVA1.1	0.003685	-0.11233	0.495	0.476	1 AC-G	NOVA1
KIAA1191	0.003833	0.213423	0.276	0.262	1 AC-G	KIAA1191
C1orf21.1	0.003876	0.233595	0.213	0.198	1 AC-G	C1orf21
KLHDC9	0.00393	0.112153	0.087	0.07	1 AC-G	KLHDC9
CHD1L.1	0.004094	0.146742	0.156	0.134	1 AC-G	CHD1L
TTC1.1	0.004102	0.181523	0.374	0.373	1 AC-G	TTC1
TIMM21.1	0.004166	0.169338	0.162	0.144	1 AC-G	TIMM21
PBXIP1.1	0.004242	0.179834	0.152	0.132	1 AC-G	PBXIP1
POLR2G.1	0.004277	0.232585	0.544	0.572	1 AC-G	POLR2G
ASNSD1.1	0.004503	0.161337	0.283	0.269	1 AC-G	ASNSD1
RAB39B.1	0.004524	0.110504	0.106	0.087	1 AC-G	RAB39B

ANKRA2	0.004531	0.157332	0.164	0.144	1 AC-G	ANKRA2
RPA2	0.004571	0.197322	0.328	0.318	1 AC-G	RPA2
SDCBP	0.004602	0.108211	0.684	0.737	1 AC-G	SDCBP
EPRS. 1	0.004657	0.162249	0.303	0.292	1 AC-G	EPRS
SLC24A2	0.004742	-0.11288	0.021	0.033	1 AC-G	SLC24A2
PNMA2. 1	0.004749	0.141546	0.156	0.136	1 AC-G	PNMA2
ARL6IP1. 1	0.004829	0.121638	0.699	0.75	1 AC-G	ARL6IP1
LAMTOR3	0.004991	0.174982	0.272	0.258	1 AC-G	LAMTOR3
MANBAL. 1	0.005075	0.214304	0.343	0.333	1 AC-G	MANBAL
DLGAP1-AS	0.005094	0.178623	0.106	0.089	1 AC-G	DLGAP1-AS1
KIAA0907.	0.005135	0.135013	0.208	0.191	1 AC-G	KIAA0907
SCRG1. 1	0.005223	0.269388	0.344	0.346	1 AC-G	SCRG1
TTC32	0.005244	0.172865	0.166	0.146	1 AC-G	TTC32
SPRED3	0.005267	0.115903	0.026	0.017	1 AC-G	SPRED3
ATP5EP2. 1	0.005749	0.125311	0.383	0.459	1 AC-G	ATP5EP2
ARL2. 1	0.005773	0.182004	0.435	0.439	1 AC-G	ARL2
UBXN4. 1	0.005775	0.135151	0.513	0.55	1 AC-G	UBXN4
LINC00152	0.005865	0.270435	0.27	0.256	1 AC-G	LINC00152
PGRMC2. 1	0.006334	0.107802	0.24	0.223	1 AC-G	PGRMC2
NHP2. 1	0.006529	0.158138	0.561	0.584	1 AC-G	NHP2
RCHY1. 1	0.006675	0.124754	0.217	0.197	1 AC-G	RCHY1
C1orf27. 1	0.00669	0.13623	0.195	0.176	1 AC-G	C1orf27
AIMP1. 1	0.006699	0.222537	0.37	0.371	1 AC-G	AIMP1
C3orf14	0.006772	0.143857	0.279	0.262	1 AC-G	C3orf14
NPC2	0.006956	0.131922	0.683	0.693	1 AC-G	NPC2
ARHGAP5-A	0.007262	0.124825	0.042	0.031	1 AC-G	ARHGAP5-AS1
TCEAL1. 1	0.007283	0.205272	0.266	0.253	1 AC-G	TCEAL1
FKBP11. 1	0.007565	0.160533	0.131	0.113	1 AC-G	FKBP11
IFIT1	0.007664	-0.10191	0.059	0.076	1 AC-G	IFIT1
FKBP1A. 1	0.007764	0.211478	0.648	0.71	1 AC-G	FKBP1A
PSMD6. 1	0.0079	0.223722	0.358	0.349	1 AC-G	PSMD6
CCBL2	0.008025	0.115686	0.142	0.123	1 AC-G	CCBL2
SON. 1	0.008231	0.158958	0.651	0.722	1 AC-G	SON
PDE8B	0.008295	0.102755	0.059	0.046	1 AC-G	PDE8B
SUGT1. 1	0.008342	0.15426	0.351	0.343	1 AC-G	SUGT1
PSMA3. 1	0.008347	0.23633	0.435	0.442	1 AC-G	PSMA3
ALG2. 1	0.008426	0.106936	0.179	0.16	1 AC-G	ALG2
STYXL1. 1	0.008486	0.124928	0.143	0.123	1 AC-G	STYXL1
BIN3. 1	0.008635	0.176686	0.17	0.152	1 AC-G	BIN3
NBEAL1	0.008691	0.165028	0.648	0.668	1 AC-G	NBEAL1
BAALC. 1	0.008947	0.110581	0.356	0.343	1 AC-G	BAALC
FKBP8	0.008964	0.158929	0.62	0.651	1 AC-G	FKBP8
C6orf1. 1	0.00907	0.186208	0.363	0.36	1 AC-G	C6orf1
ARFIP2. 1	0.009133	0.155766	0.255	0.242	1 AC-G	ARFIP2
C10orf107	0.009152	0.110888	0.048	0.036	1 AC-G	C10orf107
OXSM	0.009185	0.134958	0.094	0.079	1 AC-G	OXSM
HMCES	0.009842	0.144765	0.184	0.166	1 AC-G	HMCES
GPC1. 1	0.00991	0.11504	0.262	0.232	1 AC-G	GPC1
MALAT1. 2	#####	0.531237	0.991	0.996	##### CSCL	MALAT1
GAPDH. 2	#####	0.582499	0.991	0.985	##### CSCL	GAPDH
PTN. 2	#####	0.936858	0.827	0.605	##### CSCL	PTN

MT3.2	#####	1.205963	0.752	0.477	#####	CSCL	MT3
GNB2L1.2	#####	0.532251	0.916	0.943	#####	CSCL	GNB2L1
DBI.2	#####	0.73164	0.867	0.842	#####	CSCL	DBI
TMSB4X.2	#####	0.396188	0.977	0.998	#####	CSCL	TMSB4X
ACTG1.2	#####	0.416111	0.92	0.95	#####	CSCL	ACTG1
B2M.2	#####	0.506641	0.946	0.972	#####	CSCL	B2M
MT2A.2	#####	0.800887	0.848	0.781	#####	CSCL	MT2A
H3F3B.2	#####	0.388256	0.911	0.974	#####	CSCL	H3F3B
TUBA1A.1	#####	0.548885	0.864	0.805	#####	CSCL	TUBA1A
FTL.2	#####	0.399136	0.956	0.996	#####	CSCL	FTL
GPM6B.2	#####	0.721635	0.794	0.61	#####	CSCL	GPM6B
CLU.2	#####	0.69222	0.838	0.779	1.99E-97	CSCL	CLU
SEC61G.2	2.35E-97	0.768328	0.845	0.797	3.51E-93	CSCL	SEC61G
FAU.2	2.79E-95	0.459097	0.892	0.961	4.17E-91	CSCL	FAU
NDUFA4.1	3.18E-94	0.501622	0.857	0.897	4.75E-90	CSCL	NDUFA4
NGFRAP1.1	1.41E-91	0.760332	0.771	0.638	2.10E-87	CSCL	NGFRAP1
PTMA.2	4.94E-88	0.373547	0.895	0.97	7.39E-84	CSCL	PTMA
CD63.2	3.87E-87	0.517373	0.866	0.927	5.78E-83	CSCL	CD63
ACTB.2	3.50E-86	0.278353	0.934	0.995	5.22E-82	CSCL	ACTB
EEF1A1.2	4.75E-86	0.580968	0.82	0.826	7.10E-82	CSCL	EEF1A1
RNASET2.2	1.06E-85	-1.1528	0.051	0.505	1.59E-81	CSCL	RNASET2
EIF1.2	9.91E-83	0.361683	0.899	0.978	1.48E-78	CSCL	EIF1
SRI.2	2.74E-79	0.709852	0.757	0.727	4.09E-75	CSCL	SRI
UBC.2	1.05E-77	0.379336	0.862	0.955	1.57E-73	CSCL	UBC
TMSB10.2	3.84E-76	0.394808	0.899	0.968	5.75E-72	CSCL	TMSB10
ARPC1B.2	3.94E-73	-0.8413	0.101	0.553	5.88E-69	CSCL	ARPC1B
TPT1.2	4.14E-73	0.405813	0.873	0.957	6.19E-69	CSCL	TPT1
COTL1.2	2.18E-72	-0.68998	0.084	0.531	3.25E-68	CSCL	COTL1
CYBA.2	4.55E-71	-1.22483	0.028	0.424	6.80E-67	CSCL	CYBA
FCER1G.2	1.91E-70	-1.26457	0.061	0.461	2.85E-66	CSCL	FCER1G
LAPTM5.2	3.29E-69	-1.20279	0.058	0.455	4.92E-65	CSCL	LAPTM5
RGS1.2	5.35E-69	-1.22378	0.07	0.466	8.00E-65	CSCL	RGS1
RAMP1.1	7.38E-68	0.916881	0.613	0.402	1.10E-63	CSCL	RAMP1
CXCL16.2	1.59E-67	-0.79509	0.061	0.473	2.38E-63	CSCL	CXCL16
AIF1.2	1.79E-67	-1.29248	0.045	0.429	2.67E-63	CSCL	AIF1
SKP1.1	1.44E-66	0.500326	0.798	0.868	2.15E-62	CSCL	SKP1
C1QC.2	1.62E-66	-1.0666	0.117	0.521	2.42E-62	CSCL	C1QC
ATP1B3.2	2.26E-66	-0.6101	0.119	0.566	3.37E-62	CSCL	ATP1B3
LDHB.1	6.64E-66	0.65865	0.75	0.78	9.93E-62	CSCL	LDHB
FAM49B.2	7.59E-66	-0.62528	0.098	0.527	1.13E-61	CSCL	FAM49B
NINJ1.2	8.50E-66	-0.78567	0.065	0.472	1.27E-61	CSCL	NINJ1
C1orf61.2	1.59E-65	0.895509	0.658	0.529	2.38E-61	CSCL	C1orf61
CFL1.1	3.33E-65	0.311685	0.857	0.954	4.98E-61	CSCL	CFL1
YWHAH.2	1.81E-64	-0.58228	0.136	0.587	2.71E-60	CSCL	YWHAH
GRB2.2	3.16E-64	-0.61243	0.082	0.501	4.72E-60	CSCL	GRB2
HSP90AA1.1	1.39E-63	0.42003	0.799	0.893	2.08E-59	CSCL	HSP90AA1
RNF130.2	9.47E-63	-0.7273	0.08	0.482	1.42E-58	CSCL	RNF130
TYROBP.2	1.15E-61	-1.09568	0.098	0.478	1.72E-57	CSCL	TYROBP
CD14.2	1.24E-61	-1.14489	0.056	0.426	1.85E-57	CSCL	CD14
VSIG4.2	8.11E-61	-1.27284	0.028	0.382	1.21E-56	CSCL	VSIG4
ALOX5AP.2	1.74E-60	-1.19019	0.056	0.417	2.61E-56	CSCL	ALOX5AP

RGS10.2	2.92E-60	-1.21883	0.016	0.359	4.37E-56	CSCL	RGS10
ARHGDIB.2	3.28E-60	-1.18723	0.035	0.389	4.89E-56	CSCL	ARHGDIB
FCGR3A.2	5.17E-60	-1.3121	0.016	0.358	7.73E-56	CSCL	FCGR3A
SRGN.2	6.75E-59	-0.98812	0.136	0.518	1.01E-54	CSCL	SRGN
ITGB2.2	2.16E-58	-1.22567	0.009	0.34	3.23E-54	CSCL	ITGB2
IFNGR1.2	2.25E-58	-0.76079	0.075	0.456	3.36E-54	CSCL	IFNGR1
RHOG.2	3.04E-58	-0.77793	0.058	0.427	4.55E-54	CSCL	RHOG
VAMP8.2	3.30E-58	-1.20011	0.021	0.36	4.93E-54	CSCL	VAMP8
C1QA.2	4.46E-58	-0.8621	0.155	0.557	6.67E-54	CSCL	C1QA
PPIA.1	1.19E-57	0.448283	0.791	0.879	1.78E-53	CSCL	PPIA
CORO1A.2	1.70E-57	-1.00712	0.04	0.39	2.54E-53	CSCL	CORO1A
C4orf48.2	1.99E-57	-0.51283	0.126	0.546	2.98E-53	CSCL	C4orf48
PRDX2.2	4.03E-57	0.640399	0.716	0.7	6.02E-53	CSCL	PRDX2
Clorf162.2	2.67E-56	-1.24162	0.012	0.338	4.00E-52	CSCL	Clorf162
MGAT1.2	2.79E-56	-0.77395	0.033	0.374	4.17E-52	CSCL	MGAT1
BASP1.2	3.51E-56	-0.78282	0.042	0.389	5.24E-52	CSCL	BASP1
MS4A6A.2	9.75E-56	-1.20796	0.026	0.357	1.46E-51	CSCL	MS4A6A
UQCR11.2	2.79E-55	0.845115	0.312	0.105	4.17E-51	CSCL	UQCR11
GSN.1	5.11E-55	-0.59737	0.124	0.529	7.63E-51	CSCL	GSN
CD53.2	2.43E-54	-1.1931	0.014	0.331	3.63E-50	CSCL	CD53
CAPG.2	6.61E-54	-0.86334	0.077	0.432	9.87E-50	CSCL	CAPG
SLC16A3.2	1.01E-53	-0.95371	0.016	0.336	1.51E-49	CSCL	SLC16A3
C20orf24.2	2.34E-53	-0.4957	0.101	0.486	3.49E-49	CSCL	C20orf24
MYL12A.1	3.33E-53	-0.47389	0.143	0.564	4.98E-49	CSCL	MYL12A
TREM2.2	3.62E-53	-1.12952	0.038	0.367	5.41E-49	CSCL	TREM2
RALY.2	4.15E-53	-0.52124	0.094	0.475	6.20E-49	CSCL	RALY
ARRB2.2	6.27E-53	-0.70608	0.066	0.417	9.37E-49	CSCL	ARRB2
GRN.2	7.94E-53	-0.53487	0.175	0.59	1.19E-48	CSCL	GRN
CTSD.2	1.14E-52	-0.4882	0.218	0.661	1.70E-48	CSCL	CTSD
SYNGR2.2	2.40E-52	-0.8531	0.024	0.344	3.58E-48	CSCL	SYNGR2
BIN1.2	2.89E-52	-0.76848	0.045	0.377	4.32E-48	CSCL	BIN1
CD68.2	8.69E-52	-0.80197	0.099	0.459	1.30E-47	CSCL	CD68
CAP1.1	8.75E-52	-0.38684	0.175	0.614	1.31E-47	CSCL	CAP1
ACTR2.2	1.52E-51	-0.48674	0.099	0.477	2.27E-47	CSCL	ACTR2
MS4A7.2	1.78E-51	-1.10813	0.031	0.347	2.66E-47	CSCL	MS4A7
CD9.1	2.09E-51	0.762353	0.66	0.561	3.12E-47	CSCL	CD9
CNPY3.2	4.05E-51	-0.62907	0.077	0.429	6.06E-47	CSCL	CNPY3
CTSS.2	4.98E-51	-0.93532	0.042	0.37	7.44E-47	CSCL	CTSS
APOC1.2	8.94E-51	-0.73965	0.159	0.534	1.34E-46	CSCL	APOC1
GMFG.2	9.54E-51	-1.12127	0.012	0.312	1.43E-46	CSCL	GMFG
LST1.2	1.12E-50	-1.07776	0.021	0.328	1.68E-46	CSCL	LST1
SERP1.2	1.16E-50	-0.39764	0.19	0.625	1.73E-46	CSCL	SERP1
TPI1.2	2.27E-50	0.459396	0.766	0.871	3.39E-46	CSCL	TPI1
ADIPOR1.2	2.29E-50	-0.516	0.058	0.396	3.41E-46	CSCL	ADIPOR1
MAP1LC3B.4	2.0E-50	-0.4022	0.166	0.586	6.27E-46	CSCL	MAP1LC3B
KDELR2.1	7.03E-50	-0.34349	0.164	0.589	1.05E-45	CSCL	KDELR2
GTF3A.2	7.58E-50	-0.35515	0.127	0.524	1.13E-45	CSCL	GTF3A
TYMP.2	1.00E-49	-0.94347	0.019	0.321	1.50E-45	CSCL	TYMP
CCL3.2	1.02E-49	-0.90689	0.101	0.439	1.53E-45	CSCL	CCL3
BTF3.1	1.10E-49	0.405236	0.78	0.904	1.64E-45	CSCL	BTF3
CEBPB.2	1.16E-49	-0.57265	0.094	0.452	1.73E-45	CSCL	CEBPB



HLA-A. 2	1. 23E-49	0. 396144	0. 789	0. 901	1. 84E-45	CSCL	HLA-A
ATP6V1B2. 2	1. 14E-49	-0. 54867	0. 077	0. 426	3. 20E-45	CSCL	ATP6V1B2
SGK1. 2	3. 16E-49	-0. 66018	0. 099	0. 454	4. 73E-45	CSCL	SGK1
MTCH1. 1	3. 58E-49	-0. 35188	0. 15	0. 554	5. 35E-45	CSCL	MTCH1
ZNF331. 2	4. 35E-49	-0. 91575	0. 028	0. 33	6. 50E-45	CSCL	ZNF331
PPP4C. 1	7. 97E-49	-0. 36102	0. 152	0. 563	1. 19E-44	CSCL	PPP4C
HERPUD1. 1	9. 41E-49	-0. 49885	0. 234	0. 663	1. 41E-44	CSCL	HERPUD1
HLA-DMB. 2	9. 59E-49	-1. 06728	0. 033	0. 335	1. 43E-44	CSCL	HLA-DMB
C6orf62. 2	9. 63E-49	-0. 45094	0. 103	0. 47	1. 44E-44	CSCL	C6orf62
COX7C. 2	1. 89E-48	0. 425668	0. 77	0. 892	2. 83E-44	CSCL	COX7C
C10orf54. 2	2. 67E-48	-1. 04253	0. 012	0. 302	3. 99E-44	CSCL	C10orf54
ISCU. 2	3. 03E-48	-0. 36633	0. 171	0. 586	4. 53E-44	CSCL	ISCU
RER1. 1	3. 89E-48	-0. 38609	0. 129	0. 516	5. 81E-44	CSCL	RER1
TMEM160. 2	4. 93E-48	-0. 37534	0. 112	0. 484	7. 37E-44	CSCL	TMEM160
RNASE6. 2	5. 13E-48	-1. 12771	0. 005	0. 289	7. 67E-44	CSCL	RNASE6
HEXB. 2	9. 46E-48	-0. 45706	0. 079	0. 422	1. 41E-43	CSCL	HEXB
RAP1A. 2	9. 72E-48	-0. 40524	0. 143	0. 535	1. 45E-43	CSCL	RAP1A
EIF4A3. 2	1. 18E-47	-0. 35748	0. 103	0. 468	1. 76E-43	CSCL	EIF4A3
CD37. 2	1. 49E-47	-1. 06356	0. 023	0. 315	2. 23E-43	CSCL	CD37
MS4A4A. 2	1. 93E-47	-1. 14624	0. 014	0. 3	2. 88E-43	CSCL	MS4A4A
LIMS1. 2	2. 73E-47	-0. 52338	0. 101	0. 457	4. 09E-43	CSCL	LIMS1
LY86. 2	3. 25E-47	-1. 08762	0. 017	0. 306	4. 86E-43	CSCL	LY86
LAMP1. 2	3. 28E-47	-0. 39612	0. 148	0. 54	4. 91E-43	CSCL	LAMP1
HLA-DPB1. 4	9. 44E-47	-0. 7473	0. 155	0. 512	7. 38E-43	CSCL	HLA-DPB1
S100B. 1	5. 45E-47	0. 884743	0. 613	0. 523	8. 14E-43	CSCL	S100B
CTSC. 2	8. 70E-47	-0. 76293	0. 073	0. 4	1. 30E-42	CSCL	CTSC
PNRC1. 2	1. 77E-46	-0. 39231	0. 164	0. 559	2. 64E-42	CSCL	PNRC1
CPVL. 2	1. 91E-46	-0. 85162	0. 054	0. 364	2. 85E-42	CSCL	CPVL
PYCARD. 2	2. 63E-46	-0. 94121	0. 016	0. 298	3. 94E-42	CSCL	PYCARD
HLA-DQB1. 2	7. 3E-46	-1. 00811	0. 042	0. 34	4. 07E-42	CSCL	HLA-DQB1
NANS. 2	3. 94E-46	-0. 61886	0. 058	0. 375	5. 89E-42	CSCL	NANS
IFNGR2. 2	4. 66E-46	-0. 41276	0. 073	0. 406	6. 97E-42	CSCL	IFNGR2
CAPZA1. 2	5. 15E-46	-0. 45795	0. 075	0. 409	7. 70E-42	CSCL	CAPZA1
XBP1. 2	5. 92E-46	-0. 57943	0. 066	0. 387	8. 85E-42	CSCL	XBP1
RGS19. 2	6. 30E-46	-0. 75791	0. 01	0. 289	9. 41E-42	CSCL	RGS19
DEK. 2	7. 24E-46	-0. 33334	0. 113	0. 482	1. 08E-41	CSCL	DEK
HCLS1. 2	8. 23E-46	-1. 01521	0. 021	0. 304	1. 23E-41	CSCL	HCLS1
ATP6VOD1. 1	1. 18E-45	-0. 39409	0. 145	0. 529	1. 77E-41	CSCL	ATP6VOD1
AKR1B1. 2	1. 33E-45	-0. 37281	0. 215	0. 646	1. 99E-41	CSCL	AKR1B1
GNAI2. 2	1. 39E-45	-0. 38235	0. 129	0. 5	2. 08E-41	CSCL	GNAI2
LIPA. 2	2. 17E-45	-0. 70565	0. 045	0. 349	3. 25E-41	CSCL	LIPA
CXCR4. 1	2. 24E-45	-0. 76137	0. 082	0. 404	3. 35E-41	CSCL	CXCR4
PLAUR. 2	2. 59E-45	-0. 80519	0. 068	0. 382	3. 88E-41	CSCL	PLAUR
NAA10. 2	2. 65E-45	-0. 33437	0. 094	0. 443	3. 97E-41	CSCL	NAA10
NDUFA7. 2	3. 05E-45	0. 726736	0. 157	0. 037	4. 55E-41	CSCL	NDUFA7
CALM2. 1	3. 09E-45	0. 290614	0. 815	0. 938	4. 62E-41	CSCL	CALM2
DDAH2. 2	4. 45E-45	-0. 37557	0. 134	0. 507	6. 65E-41	CSCL	DDAH2
ALDOA. 2	4. 97E-45	0. 454374	0. 742	0. 851	7. 43E-41	CSCL	ALDOA
CREG1. 2	6. 00E-45	-0. 71262	0. 024	0. 311	8. 97E-41	CSCL	CREG1
ANP32B. 2	6. 22E-45	-0. 31709	0. 11	0. 467	9. 29E-41	CSCL	ANP32B
CREM. 2	6. 45E-45	-0. 55891	0. 089	0. 423	9. 64E-41	CSCL	CREM

DPP7. 2	6. 47E-45	-0. 39467	0. 122	0. 485	9. 67E-41	CSCL	DPP7
FCGR2A. 2	1. 10E-44	-0. 9522	0. 021	0. 303	1. 64E-40	CSCL	FCGR2A
CKLF. 2	1. 41E-44	-0. 3306	0. 152	0. 538	2. 11E-40	CSCL	CKLF
S100A4. 2	1. 63E-44	-0. 99352	0. 026	0. 309	2. 44E-40	CSCL	S100A4
GPR183. 2	2. 81E-44	-1. 07654	0. 026	0. 303	4. 20E-40	CSCL	GPR183
SERPINA1. 2	2. 83E-44	-0. 9347	0. 03	0. 313	4. 23E-40	CSCL	SERPINA1
EPB41L2. 2	3. 07E-44	-0. 64537	0. 035	0. 325	4. 59E-40	CSCL	EPB41L2
HCST. 2	4. 45E-44	-1. 02795	0. 021	0. 298	6. 65E-40	CSCL	HCST
CDC42. 1	4. 72E-44	-0. 29124	0. 209	0. 642	7. 06E-40	CSCL	CDC42
NDUFS5. 2	4. 94E-44	0. 528172	0. 724	0. 815	7. 39E-40	CSCL	NDUFS5
TMEM70. 2	6. 28E-44	-0. 44558	0. 084	0. 411	9. 38E-40	CSCL	TMEM70
FXYD5. 2	7. 76E-44	-0. 81784	0. 054	0. 355	1. 16E-39	CSCL	FXYD5
OSTF1. 2	9. 22E-44	-0. 73317	0. 024	0. 305	1. 38E-39	CSCL	OSTF1
CALM3. 2	1. 01E-43	-0. 31323	0. 195	0. 613	1. 51E-39	CSCL	CALM3
SSNA1. 2	1. 17E-43	-0. 3207	0. 11	0. 463	1. 75E-39	CSCL	SSNA1
FPR1. 2	1. 79E-43	-1. 02366	0. 023	0. 298	2. 68E-39	CSCL	FPR1
GPR34. 2	1. 80E-43	-1. 04966	0. 012	0. 28	2. 70E-39	CSCL	GPR34
JTB. 2	1. 96E-43	-0. 2622	0. 206	0. 63	2. 93E-39	CSCL	JTB
SFT2D1. 2	2. 15E-43	-0. 34473	0. 145	0. 52	3. 22E-39	CSCL	SFT2D1
NACA. 1	2. 43E-43	0. 345396	0. 785	0. 932	3. 62E-39	CSCL	NACA
CHCHD2. 1	3. 69E-43	0. 332548	0. 77	0. 886	5. 51E-39	CSCL	CHCHD2
MCL1. 2	3. 74E-43	-0. 3483	0. 204	0. 619	5. 59E-39	CSCL	MCL1
LILRB4. 2	4. 42E-43	-1. 05518	0. 007	0. 268	6. 61E-39	CSCL	LILRB4
CD83. 2	4. 44E-43	-0. 85495	0. 03	0. 308	6. 64E-39	CSCL	CD83
CMTM6. 2	4. 67E-43	-0. 44603	0. 105	0. 442	6. 97E-39	CSCL	CMTM6
TSC22D3. 1	4. 85E-43	-0. 49198	0. 127	0. 473	7. 25E-39	CSCL	TSC22D3
GPSM3. 2	5. 19E-43	-0. 96888	0. 01	0. 275	7. 76E-39	CSCL	GPSM3
ARL6IP4. 2	5. 48E-43	-0. 31898	0. 216	0. 645	8. 18E-39	CSCL	ARL6IP4
CCDC109B. 6	5. 59E-43	-0. 48142	0. 058	0. 364	9. 84E-39	CSCL	CCDC109B
MYL6. 2	6. 66E-43	0. 296818	0. 815	0. 948	9. 95E-39	CSCL	MYL6
SAMSN1. 2	1. 09E-42	-1. 00903	0. 005	0. 264	1. 63E-38	CSCL	SAMSN1
MFSD1. 2	1. 37E-42	-0. 63254	0. 059	0. 358	2. 05E-38	CSCL	MFSD1
RB1. 2	1. 54E-42	-0. 67041	0. 037	0. 319	2. 30E-38	CSCL	RB1
CD163. 2	1. 91E-42	-0. 98636	0. 021	0. 289	2. 85E-38	CSCL	CD163
TACC1. 2	1. 94E-42	-0. 51084	0. 04	0. 327	2. 90E-38	CSCL	TACC1
TNFRSF1A. 2	2. 29E-42	-0. 45795	0. 073	0. 387	3. 43E-38	CSCL	TNFRSF1A
APMAP. 2	2. 94E-42	-0. 331	0. 157	0. 536	4. 39E-38	CSCL	APMAP
RAB10. 1	3. 11E-42	-0. 23966	0. 138	0. 514	4. 64E-38	CSCL	RAB10
PTP4A1. 2	3. 43E-42	-0. 37678	0. 094	0. 423	5. 13E-38	CSCL	PTP4A1
UCP2. 2	4. 07E-42	-0. 87232	0. 019	0. 285	6. 09E-38	CSCL	UCP2
SCAMP2. 2	4. 20E-42	-0. 48916	0. 077	0. 39	6. 28E-38	CSCL	SCAMP2
AP1S2. 2	5. 57E-42	-0. 27303	0. 147	0. 518	8. 33E-38	CSCL	AP1S2
MAFB. 2	5. 77E-42	-0. 72379	0. 044	0. 328	8. 62E-38	CSCL	MAFB
SPG21. 2	9. 41E-42	-0. 29932	0. 08	0. 4	1. 41E-37	CSCL	SPG21
ABHD12. 2	1. 66E-41	-0. 38485	0. 082	0. 397	2. 49E-37	CSCL	ABHD12
DUT. 2	1. 97E-41	-0. 27402	0. 12	0. 472	2. 94E-37	CSCL	DUT
PPP1R18. 2	1. 97E-41	-0. 58753	0. 031	0. 306	2. 94E-37	CSCL	PPP1R18
IL13RA1. 2	2. 31E-41	-0. 72199	0. 007	0. 261	3. 45E-37	CSCL	IL13RA1
CHMP1B. 2	2. 53E-41	-0. 39946	0. 117	0. 454	3. 78E-37	CSCL	CHMP1B
HSPA8. 1	3. 10E-41	0. 37277	0. 742	0. 872	4. 64E-37	CSCL	HSPA8
CIRBP. 2	3. 57E-41	0. 386062	0. 742	0. 872	5. 33E-37	CSCL	CIRBP

DNAJB11.1	3.62E-41	-0.32525	0.112	0.45	5.41E-37	CSCL	DNAJB11
CTSZ.2	3.83E-41	-0.84405	0.012	0.269	5.73E-37	CSCL	CTSZ
CSF1R.2	3.88E-41	-0.93013	0.019	0.281	5.80E-37	CSCL	CSF1R
LRRC59.1	5.24E-41	-0.40854	0.068	0.373	7.83E-37	CSCL	LRRC59
ASAH1.2	5.40E-41	-0.37024	0.248	0.672	8.08E-37	CSCL	ASAH1
FCGR1A.2	5.99E-41	-0.98652	0.014	0.271	8.95E-37	CSCL	FCGR1A
COX4I1.2	6.66E-41	0.3725	0.766	0.918	9.95E-37	CSCL	COX4I1
SDF4.2	7.67E-41	-0.31884	0.092	0.419	1.15E-36	CSCL	SDF4
PRELID1.2	1.27E-40	-0.22439	0.183	0.579	1.90E-36	CSCL	PRELID1
CAPZB.1	1.40E-40	-0.33459	0.272	0.724	2.09E-36	CSCL	CAPZB
PPT1.1	1.45E-40	-0.33257	0.187	0.575	2.16E-36	CSCL	PPT1
SLC25A39.1	1.45E-40	-0.29263	0.094	0.421	2.17E-36	CSCL	SLC25A39
C19orf24.1	1.70E-40	-0.31716	0.072	0.38	2.54E-36	CSCL	C19orf24
HLA-DMA.2	1.81E-40	-0.72305	0.112	0.423	2.71E-36	CSCL	HLA-DMA
ITGB1.1	1.94E-40	-0.41246	0.086	0.401	2.90E-36	CSCL	ITGB1
SERPINB6.2	2.02E-40	-0.29595	0.138	0.495	3.02E-36	CSCL	SERPINB6
COR01B.2	2.34E-40	-0.37691	0.072	0.376	3.50E-36	CSCL	COR01B
CHCHD10.2	2.75E-40	-0.37708	0.084	0.396	4.11E-36	CSCL	CHCHD10
GLIPR1.1	2.85E-40	-0.56456	0.058	0.349	4.26E-36	CSCL	GLIPR1
PDIA3.2	2.86E-40	-0.26447	0.199	0.603	4.27E-36	CSCL	PDIA3
RNF149.2	2.89E-40	-0.69937	0.023	0.283	4.32E-36	CSCL	RNF149
SLC11A1.2	3.12E-40	-0.7711	0.042	0.319	4.67E-36	CSCL	SLC11A1
SURF1.2	3.14E-40	-0.35726	0.066	0.367	4.69E-36	CSCL	SURF1
C9orf142.4	4.10E-40	-0.31266	0.08	0.391	6.12E-36	CSCL	C9orf142
RILPL2.2	4.11E-40	-0.75899	0.016	0.271	6.14E-36	CSCL	RILPL2
PGLS.2	4.62E-40	-0.24067	0.154	0.529	6.91E-36	CSCL	PGLS
FCGRT.1	4.95E-40	-0.42346	0.194	0.568	7.39E-36	CSCL	FCGRT
CLTB.2	5.36E-40	-0.24864	0.117	0.458	8.01E-36	CSCL	CLTB
ARPC2.1	5.78E-40	-0.32198	0.323	0.797	8.63E-36	CSCL	ARPC2
BRD2.2	6.64E-40	-0.32257	0.126	0.47	9.93E-36	CSCL	BRD2
OLR1.2	6.98E-40	-0.98712	0.014	0.262	1.04E-35	CSCL	OLR1
CTSH.2	6.98E-40	-0.78837	0.038	0.309	1.04E-35	CSCL	CTSH
CSNK1D.2	7.20E-40	-0.38085	0.072	0.374	1.08E-35	CSCL	CSNK1D
ABRACL.2	7.53E-40	-0.4971	0.042	0.318	1.13E-35	CSCL	ABRACL
RNF114.1	8.11E-40	-0.30322	0.103	0.431	1.21E-35	CSCL	RNF114
WIPI2.2	8.33E-40	-0.31887	0.094	0.413	1.25E-35	CSCL	WIPI2
EVL.2	8.41E-40	-0.5954	0.073	0.366	1.26E-35	CSCL	EVL
COMMD7.2	8.44E-40	-0.29601	0.094	0.415	1.26E-35	CSCL	COMMD7
C17orf62.9	9.15E-40	-0.4287	0.079	0.383	1.37E-35	CSCL	C17orf62
SYAP1.1	9.81E-40	-0.33211	0.087	0.402	1.47E-35	CSCL	SYAP1
PPM1G.2	9.83E-40	-0.31819	0.106	0.434	1.47E-35	CSCL	PPM1G
ACTR3	1.22E-39	-0.27984	0.188	0.578	1.83E-35	CSCL	ACTR3
GDI2.2	1.25E-39	-0.21175	0.143	0.506	1.87E-35	CSCL	GDI2
PABPC4.2	1.33E-39	-0.4165	0.056	0.343	1.98E-35	CSCL	PABPC4
ADORA3.2	1.39E-39	-0.92373	0.019	0.273	2.08E-35	CSCL	ADORA3
CMPK1.2	1.70E-39	-0.28335	0.105	0.432	2.54E-35	CSCL	CMPK1
AKIRIN1.2	1.70E-39	-0.26058	0.077	0.383	2.54E-35	CSCL	AKIRIN1
H2AFJ.2	2.06E-39	-0.63731	0.017	0.271	3.08E-35	CSCL	H2AFJ
SH3GLB1.2	2.06E-39	-0.31846	0.113	0.446	3.08E-35	CSCL	SH3GLB1
TPM4.1	2.14E-39	-0.32641	0.155	0.515	3.19E-35	CSCL	TPM4
AKIRIN2.2	2.28E-39	-0.34692	0.087	0.396	3.41E-35	CSCL	AKIRIN2

TBXAS1.2	2.36E-39	-0.9387	0.009	0.253	3.53E-35	CSCL	TBXAS1
SRSF2.2	2.46E-39	-0.26501	0.215	0.625	3.68E-35	CSCL	SRSF2
HNRNPM.2	2.82E-39	-0.2342	0.175	0.562	4.22E-35	CSCL	HNRNPM
LRRFIP1.2	2.86E-39	-0.37243	0.072	0.368	4.27E-35	CSCL	LRRFIP1
HMGA1.2	2.93E-39	-0.37093	0.066	0.359	4.38E-35	CSCL	HMGA1
KTN1.2	5.02E-39	-0.2875	0.171	0.545	7.50E-35	CSCL	KTN1
ARHGDI1.2	5.02E-39	-0.25353	0.188	0.584	7.50E-35	CSCL	ARHGDI1
UBB.1	5.66E-39	0.309611	0.768	0.918	8.46E-35	CSCL	UBB
UBE2I.1	6.26E-39	-0.24897	0.197	0.596	9.36E-35	CSCL	UBE2I
ATP6AP1.2	7.55E-39	-0.24377	0.152	0.51	1.13E-34	CSCL	ATP6AP1
HIF1A.1	7.81E-39	-0.3391	0.157	0.514	1.17E-34	CSCL	HIF1A
MSN.2	8.22E-39	-0.37608	0.087	0.39	1.23E-34	CSCL	MSN
HMOX1.2	9.40E-39	-0.74162	0.042	0.308	1.41E-34	CSCL	HMOX1
C3AR1.2	1.02E-38	-0.96402	0.009	0.25	1.53E-34	CSCL	C3AR1
MAF1.2	1.12E-38	-0.26364	0.115	0.444	1.67E-34	CSCL	MAF1
RBM17.2	1.15E-38	-0.34385	0.08	0.383	1.71E-34	CSCL	RBM17
CMTM3.2	1.18E-38	-0.43527	0.056	0.337	1.76E-34	CSCL	CMTM3
H2AFY.2	1.57E-38	-0.27558	0.215	0.627	2.35E-34	CSCL	H2AFY
C19orf60.1	1.64E-38	-0.23855	0.157	0.52	2.45E-34	CSCL	C19orf60
ARPC5L.1	1.73E-38	-0.31306	0.08	0.384	2.59E-34	CSCL	ARPC5L
CLTA.2	1.74E-38	-0.16505	0.225	0.649	2.60E-34	CSCL	CLTA
SCPEP1.1	1.81E-38	-0.52883	0.07	0.36	2.71E-34	CSCL	SCPEP1
HAGH.2	1.87E-38	-0.33549	0.072	0.368	2.80E-34	CSCL	HAGH
SPI1.2	1.91E-38	-0.86488	0.01	0.251	2.85E-34	CSCL	SPI1
MAP7D1.2	2.04E-38	-0.34813	0.068	0.36	3.05E-34	CSCL	MAP7D1
ALKBH5.1	2.23E-38	-0.40316	0.056	0.337	3.33E-34	CSCL	ALKBH5
ARPC4.2	2.46E-38	-0.22469	0.161	0.532	3.67E-34	CSCL	ARPC4
PICALM.2	2.58E-38	-0.49582	0.033	0.294	3.85E-34	CSCL	PICALM
RGS2.1	3.10E-38	-0.53025	0.136	0.461	4.63E-34	CSCL	RGS2
GYPC.2	3.23E-38	-0.54435	0.049	0.323	4.83E-34	CSCL	GYPC
IDH2.2	3.98E-38	-0.29568	0.115	0.442	5.95E-34	CSCL	IDH2
RTFDC1.1	5.56E-38	-0.18844	0.18	0.557	8.32E-34	CSCL	RTFDC1
HAVCR2.2	6.51E-38	-0.93814	0.007	0.243	9.73E-34	CSCL	HAVCR2
CHMP4B.2	6.90E-38	-0.2499	0.129	0.471	1.03E-33	CSCL	CHMP4B
PSMD3.1	7.53E-38	-0.26095	0.103	0.42	1.13E-33	CSCL	PSMD3
SUMO3.2	8.17E-38	-0.29892	0.124	0.455	1.22E-33	CSCL	SUMO3
DCK.2	9.82E-38	-0.54609	0.026	0.278	1.47E-33	CSCL	DCK
NR4A2.2	1.07E-37	-0.86638	0.021	0.263	1.60E-33	CSCL	NR4A2
NFKBIA.1	1.12E-37	-0.371	0.168	0.517	1.67E-33	CSCL	NFKBIA
REL.2	1.20E-37	-0.64228	0.047	0.311	1.79E-33	CSCL	REL
SPCS3.2	1.26E-37	-0.43911	0.059	0.339	1.88E-33	CSCL	SPCS3
UBE2J2.2	1.47E-37	-0.25835	0.063	0.348	2.20E-33	CSCL	UBE2J2
MTDH.2	1.62E-37	-0.29018	0.223	0.63	2.41E-33	CSCL	MTDH
MOB1A.2	1.63E-37	-0.40079	0.068	0.354	2.43E-33	CSCL	MOB1A
FNTA.1	1.65E-37	-0.31109	0.094	0.4	2.46E-33	CSCL	FNTA
FLOT1.2	1.67E-37	-0.23952	0.159	0.52	2.50E-33	CSCL	FLOT1
EIF3F.2	1.70E-37	-0.19987	0.215	0.625	2.55E-33	CSCL	EIF3F
ATG3.2	1.80E-37	-0.23109	0.089	0.392	2.69E-33	CSCL	ATG3
CTSA.2	1.96E-37	-0.26594	0.101	0.414	2.92E-33	CSCL	CTSA
GNAI3.1	3.73E-37	-0.26583	0.098	0.408	5.58E-33	CSCL	GNAI3
ERP44	3.83E-37	-0.35151	0.101	0.411	5.72E-33	CSCL	ERP44

HLA-DQA1.	4.	22E-37	-0.82278	0.054	0.319	6.30E-33	CSCL	HLA-DQA1
HNRNPA1.	1	4.24E-37	0.360135	0.742	0.884	6.34E-33	CSCL	HNRNPA1
POLD4	4.	79E-37	-0.37724	0.117	0.436	7.16E-33	CSCL	POLD4
TGOLN2.	2	5.45E-37	-0.38504	0.089	0.387	8.14E-33	CSCL	TGOLN2
PITHD1.	1	6.52E-37	-0.34236	0.073	0.36	9.75E-33	CSCL	PITHD1
GAA.	2	6.95E-37	-0.43341	0.059	0.333	1.04E-32	CSCL	GAA
ANP32A.	2	7.49E-37	-0.33088	0.122	0.444	1.12E-32	CSCL	ANP32A
STAU1.	1	7.52E-37	-0.2705	0.084	0.381	1.12E-32	CSCL	STAU1
HNRNPA2B1	7.	53E-37	0.362928	0.717	0.852	1.13E-32	CSCL	HNRNPA2B1
SNX2.	2	8.60E-37	-0.31373	0.11	0.426	1.29E-32	CSCL	SNX2
PAFAH1B1.	1.	11E-36	-0.34811	0.086	0.382	1.65E-32	CSCL	PAFAH1B1
TMEM183A.	1.	20E-36	-0.28153	0.042	0.305	1.79E-32	CSCL	TMEM183A
CCDC50.	2	1.48E-36	-0.31192	0.047	0.313	2.21E-32	CSCL	CCDC50
AKR1A1.	1	1.69E-36	-0.25147	0.161	0.515	2.53E-32	CSCL	AKR1A1
IER3.	2	1.81E-36	-0.85869	0.017	0.253	2.70E-32	CSCL	IER3
TSP0.	1	1.89E-36	-0.29678	0.223	0.614	2.83E-32	CSCL	TSP0
CKB.	2	2.00E-36	0.66548	0.607	0.581	2.99E-32	CSCL	CKB
RBCK1.	1	2.02E-36	-0.33092	0.07	0.351	3.02E-32	CSCL	RBCK1
SIRPA.	2	2.31E-36	-0.54772	0.017	0.255	3.46E-32	CSCL	SIRPA
COX6C.	2	2.49E-36	0.435763	0.712	0.837	3.72E-32	CSCL	COX6C
HNRNPAB.	2	2.53E-36	-0.23562	0.101	0.412	3.78E-32	CSCL	HNRNPAB
PPP1CA.	1	2.80E-36	-0.23509	0.202	0.59	4.19E-32	CSCL	PPP1CA
TLN1.	2	3.15E-36	-0.40589	0.04	0.297	4.71E-32	CSCL	TLN1
CCDC107.	2	3.18E-36	-0.24605	0.099	0.405	4.75E-32	CSCL	CCDC107
KIF5B.	2	3.18E-36	-0.20957	0.169	0.529	4.75E-32	CSCL	KIF5B
TGFB1.	2	3.18E-36	-0.60355	0.019	0.256	4.76E-32	CSCL	TGFB1
THEMIS2.	2	3.44E-36	-0.74796	0.017	0.253	5.14E-32	CSCL	THEMIS2
AUP1.	1	4.92E-36	-0.24921	0.178	0.54	7.35E-32	CSCL	AUP1
HDAC2.	2	5.26E-36	-0.24761	0.133	0.464	7.87E-32	CSCL	HDAC2
MEF2C.	2	5.46E-36	-0.61795	0.042	0.295	8.16E-32	CSCL	MEF2C
IFITM2.	2	5.62E-36	-0.6956	0.044	0.295	8.40E-32	CSCL	IFITM2
NUTF2.	1	5.94E-36	-0.14523	0.133	0.466	8.88E-32	CSCL	NUTF2
FEZ2.	2	5.99E-36	-0.25274	0.134	0.465	8.95E-32	CSCL	FEZ2
UBE2L3.	2	6.25E-36	-0.1971	0.182	0.553	9.34E-32	CSCL	UBE2L3
GNB2.	2	6.84E-36	-0.24184	0.202	0.588	1.02E-31	CSCL	GNB2
PTTG1IP.	1	8.37E-36	-0.20619	0.138	0.472	1.25E-31	CSCL	PTTG1IP
CSDE1.	2	8.44E-36	-0.23171	0.225	0.621	1.26E-31	CSCL	CSDE1
GNB1.	2	8.49E-36	-0.21259	0.113	0.431	1.27E-31	CSCL	GNB1
SLCO2B1.	2	8.50E-36	-0.89375	0.007	0.231	1.27E-31	CSCL	SLCO2B1
PCBP1.	2	8.81E-36	-0.19583	0.213	0.607	1.32E-31	CSCL	PCBP1
SSR1.	1	8.86E-36	-0.27407	0.148	0.485	1.32E-31	CSCL	SSR1
M6PR.	2	9.01E-36	-0.29056	0.096	0.397	1.35E-31	CSCL	M6PR
C1QB.	2	9.79E-36	-0.57684	0.25	0.586	1.46E-31	CSCL	C1QB
MTPN.	1	1.06E-35	-0.13427	0.122	0.448	1.58E-31	CSCL	MTPN
UBE2D2.	2	1.16E-35	-0.24329	0.216	0.607	1.73E-31	CSCL	UBE2D2
MLEC.	2	1.43E-35	-0.18639	0.105	0.416	2.14E-31	CSCL	MLEC
TPM3.	2	1.72E-35	-0.2156	0.197	0.577	2.56E-31	CSCL	TPM3
ALDH2.	2	1.77E-35	-0.42454	0.094	0.385	2.64E-31	CSCL	ALDH2
SKIL.	2	2.14E-35	-0.4027	0.044	0.298	3.20E-31	CSCL	SKIL
SPINT2.	2	2.22E-35	-0.74933	0.005	0.227	3.32E-31	CSCL	SPINT2
BRI3.	2	2.64E-35	-0.20022	0.143	0.484	3.94E-31	CSCL	BRI3

PLEKHB2.2	3.31E-35	-0.2563	0.108	0.414	4.95E-31	CSCL	PLEKHB2
ZFAND5.2	3.60E-35	-0.25781	0.145	0.479	5.38E-31	CSCL	ZFAND5
SERPINB1.4	1.5E-35	-0.69219	0.035	0.279	6.20E-31	CSCL	SERPINB1
MAPRE1.2	4.23E-35	-0.1735	0.152	0.494	6.32E-31	CSCL	MAPRE1
LGALS9.2	4.27E-35	-0.75587	0.019	0.251	6.38E-31	CSCL	LGALS9
CRELD2.2	4.54E-35	-0.38937	0.042	0.295	6.78E-31	CSCL	CRELD2
ELF1.2	4.58E-35	-0.60555	0.021	0.255	6.85E-31	CSCL	ELF1
UBL3.2	4.98E-35	-0.26924	0.082	0.368	7.44E-31	CSCL	UBL3
TWF2.2	5.37E-35	-0.37509	0.077	0.354	8.02E-31	CSCL	TWF2
SPNS1.2	6.14E-35	-0.34278	0.047	0.303	9.18E-31	CSCL	SPNS1
TIMP2.2	6.83E-35	-0.381	0.068	0.339	1.02E-30	CSCL	TIMP2
CCDC85B.2	7.18E-35	-0.22763	0.115	0.429	1.07E-30	CSCL	CCDC85B
RNH1.1	8.33E-35	-0.28158	0.192	0.555	1.25E-30	CSCL	RNH1
DHRS7.2	8.38E-35	-0.33204	0.208	0.574	1.25E-30	CSCL	DHRS7
LSM12.1	1.02E-34	-0.35415	0.03	0.271	1.52E-30	CSCL	LSM12
C20orf27.1	1.08E-34	-0.25504	0.086	0.374	1.61E-30	CSCL	C20orf27
HNRNPF.1	1.13E-34	-0.18336	0.171	0.525	1.69E-30	CSCL	HNRNPF
PAK2.2	1.42E-34	-0.29958	0.082	0.366	2.12E-30	CSCL	PAK2
HSPH1.1	1.52E-34	-0.2609	0.087	0.375	2.27E-30	CSCL	HSPH1
PFDN4.2	1.52E-34	-0.19078	0.086	0.373	2.28E-30	CSCL	PFDN4
RAP1B.1	1.57E-34	-0.23292	0.129	0.45	2.34E-30	CSCL	RAP1B
EIF3A.2	1.65E-34	-0.26901	0.072	0.346	2.46E-30	CSCL	EIF3A
ACSL1.2	1.85E-34	-0.69288	0.014	0.238	2.77E-30	CSCL	ACSL1
OSBPL8.2	1.90E-34	-0.31082	0.059	0.324	2.83E-30	CSCL	OSBPL8
VPS4A.1	1.98E-34	-0.266	0.058	0.321	2.96E-30	CSCL	VPS4A
C5AR1.2	2.11E-34	-0.81707	0.021	0.249	3.16E-30	CSCL	C5AR1
DAP.2	2.19E-34	-0.34298	0.04	0.288	3.27E-30	CSCL	DAP
LIMD2.2	2.30E-34	-0.50628	0.026	0.26	3.44E-30	CSCL	LIMD2
TMEM123.1	2.54E-34	-0.27415	0.108	0.411	3.79E-30	CSCL	TMEM123
OLFML3.2	2.79E-34	-0.79598	0.014	0.237	4.16E-30	CSCL	OLFML3
VMA21.1	2.92E-34	-0.31644	0.077	0.354	4.36E-30	CSCL	VMA21
MEG3.1	3.06E-34	0.875201	0.445	0.297	4.57E-30	CSCL	MEG3
CNDP2.2	3.51E-34	-0.1793	0.127	0.446	5.25E-30	CSCL	CNDP2
CCL4.2	3.90E-34	-0.79959	0.084	0.337	5.83E-30	CSCL	CCL4
ROCK1.2	4.21E-34	-0.3199	0.059	0.321	6.29E-30	CSCL	ROCK1
APLP2.2	4.42E-34	-0.22998	0.223	0.612	6.60E-30	CSCL	APLP2
MMD.2	4.43E-34	-0.492	0.024	0.256	6.63E-30	CSCL	MMD
FYB.2	4.48E-34	-0.8444	0.014	0.234	6.69E-30	CSCL	FYB
SEC63.1	4.67E-34	-0.20205	0.105	0.402	6.98E-30	CSCL	SEC63
PKN1.2	4.77E-34	-0.3523	0.023	0.254	7.13E-30	CSCL	PKN1
AKAP13.2	4.82E-34	-0.41843	0.072	0.338	7.20E-30	CSCL	AKAP13
OGFR.2	4.92E-34	-0.3316	0.047	0.299	7.36E-30	CSCL	OGFR
FBX07.2	5.12E-34	-0.31341	0.061	0.322	7.65E-30	CSCL	FBX07
PPP1R15A.5	3.1E-34	-0.30576	0.155	0.483	7.93E-30	CSCL	PPP1R15A
FAM50A.2	5.72E-34	-0.26667	0.096	0.387	8.55E-30	CSCL	FAM50A
HRAS.2	6.52E-34	-0.2871	0.051	0.306	9.75E-30	CSCL	HRAS
PAIP1.2	7.22E-34	-0.20958	0.108	0.41	1.08E-29	CSCL	PAIP1
PTPMT1.1	7.48E-34	-0.25296	0.084	0.366	1.12E-29	CSCL	PTPMT1
ACAA1.2	8.68E-34	-0.22771	0.082	0.363	1.30E-29	CSCL	ACAA1
AMD1.1	9.08E-34	-0.2957	0.103	0.398	1.36E-29	CSCL	AMD1
NUDT3.2	9.52E-34	-0.26756	0.113	0.414	1.42E-29	CSCL	NUDT3

ADI1.1	1.03E-33	-0.25222	0.117	0.421	1.54E-29	CSCL	ADI1
KPNA2.1	1.08E-33	-0.37514	0.089	0.368	1.61E-29	CSCL	KPNA2
C16orf13.	1.10E-33	-0.16327	0.145	0.476	1.65E-29	CSCL	C16orf13
H3F3A	1.19E-33	0.437924	0.684	0.751	1.78E-29	CSCL	H3F3A
EIF3J.2	1.29E-33	-0.23644	0.099	0.392	1.93E-29	CSCL	EIF3J
RBPJ.2	1.37E-33	-0.18249	0.15	0.485	2.05E-29	CSCL	RBPJ
CD86.2	1.50E-33	-0.84952	0.009	0.224	2.23E-29	CSCL	CD86
HMG1.2	1.52E-33	-0.26391	0.267	0.685	2.28E-29	CSCL	HMG1
TOP1.2	1.88E-33	-0.21227	0.105	0.404	2.81E-29	CSCL	TOP1
MMP24-AS1	2.02E-33	-0.34333	0.063	0.324	3.02E-29	CSCL	MMP24-AS1
IFI30.2	2.12E-33	-0.81576	0.012	0.23	3.17E-29	CSCL	IFI30
LEPROTL1.	2.15E-33	-0.26434	0.106	0.402	3.22E-29	CSCL	LEPROTL1
CITED2.2	2.19E-33	-0.39476	0.089	0.366	3.28E-29	CSCL	CITED2
BCL7C.1	2.50E-33	-0.39773	0.031	0.266	3.74E-29	CSCL	BCL7C
LYZ.2	2.76E-33	-0.81671	0.005	0.216	4.13E-29	CSCL	LYZ
SLBP.2	2.83E-33	-0.26592	0.063	0.324	4.23E-29	CSCL	SLBP
PRPF40A.1	3.13E-33	-0.166	0.141	0.466	4.68E-29	CSCL	PRPF40A
RAB32.2	3.16E-33	-0.40129	0.023	0.25	4.72E-29	CSCL	RAB32
PDXK.2	3.50E-33	-0.3434	0.049	0.297	5.24E-29	CSCL	PDXK
CTDNEP1.2	3.55E-33	-0.28586	0.065	0.326	5.31E-29	CSCL	CTDNEP1
VAMP3.1	3.61E-33	-0.25079	0.084	0.362	5.39E-29	CSCL	VAMP3
RAB5C	4.31E-33	-0.21206	0.255	0.673	6.44E-29	CSCL	RAB5C
DNAJC3	4.64E-33	-0.29861	0.052	0.304	6.94E-29	CSCL	DNAJC3
HLA-E.2	4.80E-33	-0.26908	0.236	0.615	7.17E-29	CSCL	HLA-E
PSMD11.1	5.02E-33	-0.16774	0.117	0.422	7.51E-29	CSCL	PSMD11
ARL5A.2	5.26E-33	-0.18146	0.182	0.534	7.87E-29	CSCL	ARL5A
FDX1.2	5.52E-33	-0.3216	0.061	0.318	8.25E-29	CSCL	FDX1
BCKDK.2	5.57E-33	-0.34563	0.066	0.327	8.32E-29	CSCL	BCKDK
ECHS1.1	5.75E-33	-0.17672	0.133	0.45	8.60E-29	CSCL	ECHS1
JMJD6.1	6.87E-33	-0.40015	0.049	0.295	1.03E-28	CSCL	JMJD6
NXT1.1	7.02E-33	-0.30173	0.068	0.329	1.05E-28	CSCL	NXT1
PIGT.1	7.14E-33	-0.21768	0.113	0.412	1.07E-28	CSCL	PIGT
GPAA1.2	7.18E-33	-0.29366	0.112	0.408	1.07E-28	CSCL	GPAA1
SEPHS2.1	7.50E-33	-0.23779	0.065	0.326	1.12E-28	CSCL	SEPHS2
KHDRBS1.2	8.19E-33	-0.20013	0.164	0.502	1.22E-28	CSCL	KHDRBS1
SMARCA5.2	8.59E-33	-0.24836	0.086	0.362	1.28E-28	CSCL	SMARCA5
CHD1.2	9.04E-33	-0.40713	0.056	0.305	1.35E-28	CSCL	CHD1
TMEM165.2	9.84E-33	-0.23421	0.148	0.472	1.47E-28	CSCL	TMEM165
RNF126.2	9.85E-33	-0.29426	0.052	0.303	1.47E-28	CSCL	RNF126
ENO1.1	9.96E-33	0.48059	0.696	0.799	1.49E-28	CSCL	ENO1
ANXA11.2	1.03E-32	-0.6024	0.012	0.226	1.54E-28	CSCL	ANXA11
GAMT.2	1.09E-32	-0.27506	0.058	0.312	1.63E-28	CSCL	GAMT
GSTO1.1	1.10E-32	-0.23355	0.15	0.472	1.64E-28	CSCL	GSTO1
TRABD.2	1.11E-32	-0.45734	0.037	0.27	1.65E-28	CSCL	TRABD
BTG1.2	1.11E-32	-0.30985	0.295	0.709	1.66E-28	CSCL	BTG1
SMAP2.2	1.12E-32	-0.57286	0.024	0.247	1.67E-28	CSCL	SMAP2
PTP4A2.2	1.12E-32	-0.16539	0.143	0.469	1.68E-28	CSCL	PTP4A2
SSR3.2	1.22E-32	-0.20121	0.188	0.544	1.83E-28	CSCL	SSR3
FBXW5.2	1.23E-32	-0.32423	0.052	0.3	1.83E-28	CSCL	FBXW5
EVI2B.2	1.24E-32	-0.80776	0.005	0.213	1.86E-28	CSCL	EVI2B
TRAM1.2	1.26E-32	-0.26413	0.136	0.449	1.88E-28	CSCL	TRAM1

RRP7A. 2	1. 36E-32	-0. 41659	0. 052	0. 299	2. 03E-28	CSCL	RRP7A
PPP1R2	1. 43E-32	-0. 25767	0. 098	0. 382	2. 14E-28	CSCL	PPP1R2
CCNL1. 1	1. 57E-32	-0. 26084	0. 194	0. 542	2. 34E-28	CSCL	CCNL1
NDUFAF3	1. 63E-32	-0. 15905	0. 183	0. 534	2. 43E-28	CSCL	NDUFAF3
RAB20. 2	1. 78E-32	-0. 63199	0. 024	0. 247	2. 66E-28	CSCL	RAB20
SYNCRIP. 2	1. 83E-32	-0. 23724	0. 108	0. 398	2. 74E-28	CSCL	SYNCRIP
DRAM2. 2	1. 96E-32	-0. 41444	0. 084	0. 349	2. 93E-28	CSCL	DRAM2
CSNK1A1. 2	2. 02E-32	-0. 2229	0. 204	0. 576	3. 02E-28	CSCL	CSNK1A1
CDV3. 1	2. 07E-32	-0. 3607	0. 045	0. 287	3. 09E-28	CSCL	CDV3
UBE2D1. 2	2. 20E-32	-0. 32581	0. 04	0. 278	3. 29E-28	CSCL	UBE2D1
GDE1. 2	2. 25E-32	-0. 31467	0. 059	0. 311	3. 37E-28	CSCL	GDE1
WHSC1L1. 2	2. 30E-32	-0. 27506	0. 101	0. 387	3. 43E-28	CSCL	WHSC1L1
METTL9. 2	2. 41E-32	-0. 11098	0. 152	0. 485	3. 60E-28	CSCL	METTL9
USF2. 2	2. 62E-32	-0. 29188	0. 075	0. 339	3. 92E-28	CSCL	USF2
PFKL. 2	2. 81E-32	-0. 24098	0. 096	0. 377	4. 20E-28	CSCL	PFKL
PTPRC. 2	3. 08E-32	-0. 79132	0. 007	0. 213	4. 61E-28	CSCL	PTPRC
PLXDC2. 2	3. 36E-32	-0. 76423	0. 01	0. 219	5. 02E-28	CSCL	PLXDC2
S100A9. 2	3. 41E-32	-0. 89994	0. 019	0. 234	5. 09E-28	CSCL	S100A9
MKRN1. 2	3. 50E-32	-0. 20883	0. 122	0. 423	5. 24E-28	CSCL	MKRN1
FKBP4. 1	3. 81E-32	-0. 19866	0. 072	0. 334	5. 70E-28	CSCL	FKBP4
TM9SF2. 1	3. 82E-32	-0. 30388	0. 084	0. 352	5. 71E-28	CSCL	TM9SF2
FNBP1. 2	4. 14E-32	-0. 41724	0. 04	0. 274	6. 19E-28	CSCL	FNBP1
HP1BP3. 2	4. 51E-32	-0. 21796	0. 141	0. 457	6. 74E-28	CSCL	HP1BP3
SH3KBP1. 2	4. 69E-32	-0. 44595	0. 028	0. 252	7. 01E-28	CSCL	SH3KBP1
GBAS. 1	4. 82E-32	-0. 12867	0. 117	0. 414	7. 20E-28	CSCL	GBAS
STK4. 2	4. 82E-32	-0. 35089	0. 054	0. 299	7. 21E-28	CSCL	STK4
VSTM2A. 1	4. 91E-32	0. 850316	0. 237	0. 099	7. 34E-28	CSCL	VSTM2A
SLC25A11. 5	5. 19E-32	-0. 14851	0. 127	0. 434	7. 76E-28	CSCL	SLC25A11
WDR1. 1	5. 33E-32	-0. 2274	0. 127	0. 429	7. 96E-28	CSCL	WDR1
PLEKH01. 2	5. 84E-32	-0. 35163	0. 047	0. 287	8. 73E-28	CSCL	PLEKH01
GSPT1. 2	6. 63E-32	-0. 18774	0. 087	0. 362	9. 90E-28	CSCL	GSPT1
EIF2AK1. 1	7. 29E-32	-0. 24234	0. 079	0. 345	1. 09E-27	CSCL	EIF2AK1
MPST. 2	7. 55E-32	-0. 28548	0. 065	0. 319	1. 13E-27	CSCL	MPST
JAK1. 2	8. 44E-32	-0. 3414	0. 035	0. 264	1. 26E-27	CSCL	JAK1
AP1B1. 2	8. 74E-32	-0. 51184	0. 04	0. 27	1. 31E-27	CSCL	AP1B1
THRAP3. 2	9. 27E-32	-0. 1387	0. 14	0. 453	1. 39E-27	CSCL	THRAP3
TGIF1. 1	9. 70E-32	-0. 345	0. 096	0. 371	1. 45E-27	CSCL	TGIF1
HIST1H4C. 9	9. 82E-32	-0. 30321	0. 136	0. 439	1. 47E-27	CSCL	HIST1H4C
DBNL. 2	1. 03E-31	-0. 22756	0. 136	0. 44	1. 53E-27	CSCL	DBNL
P4HB. 1	1. 11E-31	-0. 19778	0. 218	0. 59	1. 66E-27	CSCL	P4HB
SAP30. 2	1. 20E-31	-0. 3951	0. 028	0. 251	1. 79E-27	CSCL	SAP30
LAT2. 2	1. 25E-31	-0. 77402	0. 009	0. 213	1. 87E-27	CSCL	LAT2
CNOT7. 1	1. 25E-31	-0. 19413	0. 099	0. 382	1. 87E-27	CSCL	CNOT7
DPYSL2. 1	1. 25E-31	-0. 21277	0. 134	0. 438	1. 87E-27	CSCL	DPYSL2
CD164. 1	1. 32E-31	-0. 25161	0. 175	0. 507	1. 97E-27	CSCL	CD164
COPRS. 1	1. 48E-31	-0. 23082	0. 08	0. 347	2. 21E-27	CSCL	COPRS
LY96. 2	1. 49E-31	-0. 50601	0. 019	0. 233	2. 23E-27	CSCL	LY96
DDX21	1. 56E-31	-0. 29681	0. 063	0. 312	2. 34E-27	CSCL	DDX21
NOL7. 1	1. 59E-31	-0. 15728	0. 141	0. 454	2. 38E-27	CSCL	NOL7
LITAF. 2	1. 67E-31	-0. 30258	0. 159	0. 474	2. 49E-27	CSCL	LITAF
HMGB2. 2	1. 78E-31	-0. 32048	0. 187	0. 51	2. 67E-27	CSCL	HMGB2



ABI3. 2	1. 80E-31	-0. 79454	0. 002	0. 199	2. 70E-27	CSCL	ABI3
DDT	1. 84E-31	-0. 20041	0. 19	0. 539	2. 74E-27	CSCL	DDT
RTCB. 2	2. 05E-31	-0. 29814	0. 082	0. 346	3. 07E-27	CSCL	RTCB
PGP. 2	2. 07E-31	-0. 41259	0. 017	0. 23	3. 10E-27	CSCL	PGP
PRKAR1A. 1	2. 21E-31	-0. 21426	0. 162	0. 488	3. 30E-27	CSCL	PRKAR1A
APOC2. 2	2. 26E-31	-1. 01408	0. 002	0. 199	3. 37E-27	CSCL	APOC2
CD300A. 2	2. 50E-31	-0. 79637	0. 003	0. 201	3. 74E-27	CSCL	CD300A
ARL2. 2	2. 51E-31	-0. 13913	0. 141	0. 454	3. 75E-27	CSCL	ARL2
PNPLA8. 2	2. 72E-31	-0. 31916	0. 091	0. 36	4. 07E-27	CSCL	PNPLA8
VPS35	2. 76E-31	-0. 2148	0. 14	0. 445	4. 13E-27	CSCL	VPS35
MATR3. 2	2. 93E-31	-0. 15872	0. 169	0. 503	4. 38E-27	CSCL	MATR3
EZR. 2	3. 27E-31	-0. 28329	0. 087	0. 355	4. 89E-27	CSCL	EZR
C17orf89. 3	2. 9E-31	-0. 13717	0. 129	0. 436	4. 92E-27	CSCL	C17orf89
UBE2S. 2	3. 35E-31	-0. 24133	0. 089	0. 357	5. 01E-27	CSCL	UBE2S
CD47. 1	3. 54E-31	-0. 21435	0. 112	0. 398	5. 30E-27	CSCL	CD47
SERINC3. 1	4. 96E-31	-0. 23744	0. 101	0. 379	7. 41E-27	CSCL	SERINC3
MCUR1. 2	5. 18E-31	-0. 2538	0. 042	0. 273	7. 74E-27	CSCL	MCUR1
TPRKB. 1	5. 29E-31	-0. 17904	0. 099	0. 377	7. 90E-27	CSCL	TPRKB
VASP. 2	5. 32E-31	-0. 36368	0. 03	0. 251	7. 94E-27	CSCL	VASP
CXADR. 2	5. 40E-31	-0. 3853	0. 07	0. 319	8. 08E-27	CSCL	CXADR
THOC7	5. 42E-31	-0. 16317	0. 113	0. 403	8. 11E-27	CSCL	THOC7
SNX5. 1	5. 48E-31	-0. 25853	0. 119	0. 408	8. 19E-27	CSCL	SNX5
ADAP2. 2	5. 58E-31	-0. 75939	0	0. 193	8. 33E-27	CSCL	ADAP2
EGLN2. 2	5. 66E-31	-0. 30736	0. 054	0. 295	8. 46E-27	CSCL	EGLN2
NPC2. 1	6. 00E-31	-0. 31542	0. 311	0. 711	8. 97E-27	CSCL	NPC2
CISD3. 2	6. 43E-31	-0. 35506	0. 038	0. 265	9. 61E-27	CSCL	CISD3
NAGK. 1	7. 08E-31	-0. 29539	0. 113	0. 395	1. 06E-26	CSCL	NAGK
NR1H2. 2	7. 17E-31	-0. 2739	0. 066	0. 315	1. 07E-26	CSCL	NR1H2
GRINA. 2	7. 28E-31	-0. 19839	0. 143	0. 452	1. 09E-26	CSCL	GRINA
SNX10. 1	7. 69E-31	-0. 4538	0. 024	0. 239	1. 15E-26	CSCL	SNX10
MPC2	8. 70E-31	-0. 18824	0. 225	0. 6	1. 30E-26	CSCL	MPC2
SF1. 1	9. 07E-31	-0. 20818	0. 185	0. 524	1. 35E-26	CSCL	SF1
MYCBP2. 2	9. 07E-31	-0. 30954	0. 068	0. 317	1. 35E-26	CSCL	MYCBP2
STUB1. 2	9. 78E-31	-0. 14664	0. 154	0. 477	1. 46E-26	CSCL	STUB1
G3BP2. 2	9. 78E-31	-0. 31481	0. 051	0. 287	1. 46E-26	CSCL	G3BP2
BNIP2. 2	1. 03E-30	-0. 41258	0. 045	0. 275	1. 54E-26	CSCL	BNIP2
STK25. 2	1. 08E-30	-0. 31662	0. 066	0. 314	1. 62E-26	CSCL	STK25
EIF4B. 2	1. 12E-30	-0. 12064	0. 108	0. 392	1. 67E-26	CSCL	EIF4B
TERF2IP. 2	1. 14E-30	-0. 22797	0. 197	0. 534	1. 71E-26	CSCL	TERF2IP
TAPBP. 2	1. 18E-30	-0. 23478	0. 089	0. 356	1. 77E-26	CSCL	TAPBP
BROX. 2	1. 21E-30	-0. 39305	0. 028	0. 245	1. 81E-26	CSCL	BROX
PTPRE. 2	1. 26E-30	-0. 39082	0. 049	0. 281	1. 89E-26	CSCL	PTPRE
BRMS1. 1	1. 34E-30	-0. 27254	0. 072	0. 323	2. 00E-26	CSCL	BRMS1
RAB8A	1. 44E-30	-0. 15005	0. 096	0. 369	2. 16E-26	CSCL	RAB8A
RALA. 1	1. 46E-30	-0. 22932	0. 099	0. 373	2. 18E-26	CSCL	RALA
EMD	1. 48E-30	-0. 32624	0. 056	0. 295	2. 22E-26	CSCL	EMD
SLC39A1	1. 52E-30	-0. 24192	0. 115	0. 401	2. 26E-26	CSCL	SLC39A1
SHKBP1. 2	1. 54E-30	-0. 38495	0. 03	0. 248	2. 31E-26	CSCL	SHKBP1
HLA-DRB5. 1	1. 56E-30	-0. 59816	0. 138	0. 413	2. 34E-26	CSCL	HLA-DRB5
ADPGK. 2	1. 65E-30	-0. 353	0. 044	0. 272	2. 46E-26	CSCL	ADPGK
GLTSCR2. 2	1. 69E-30	-0. 10253	0. 216	0. 582	2. 53E-26	CSCL	GLTSCR2

ABL2. 2	1. 76E-30	-0. 46945	0. 049	0. 279	2. 63E-26	CSCL	ABL2
CD81. 2	1. 82E-30	-0. 24463	0. 15	0. 453	2. 73E-26	CSCL	CD81
PLIN2. 1	1. 86E-30	-0. 51421	0. 096	0. 355	2. 78E-26	CSCL	PLIN2
MARCH2. 2	2. 18E-30	-0. 36857	0. 028	0. 243	3. 25E-26	CSCL	2-Mar
FAM210B. 2	2. 22E-30	-0. 35337	0. 049	0. 281	3. 31E-26	CSCL	FAM210B
DYNC1I2. 2	2. 28E-30	-0. 17112	0. 161	0. 485	3. 40E-26	CSCL	DYNC1I2
COX16. 1	2. 32E-30	-0. 14036	0. 178	0. 517	3. 46E-26	CSCL	COX16
LSM2	2. 33E-30	-0. 12097	0. 147	0. 463	3. 48E-26	CSCL	LSM2
CHMP2B. 1	2. 35E-30	-0. 25919	0. 07	0. 319	3. 51E-26	CSCL	CHMP2B
SLA. 2	2. 37E-30	-0. 75541	0. 012	0. 212	3. 55E-26	CSCL	SLA
APPL1. 2	2. 49E-30	-0. 25968	0. 063	0. 307	3. 73E-26	CSCL	APPL1
FXYD6. 2	2. 58E-30	0. 802169	0. 525	0. 457	3. 85E-26	CSCL	FXYD6
COMMD9. 1	2. 67E-30	-0. 26683	0. 072	0. 322	3. 99E-26	CSCL	COMMD9
GNAQ. 2	2. 73E-30	-0. 24792	0. 058	0. 298	4. 08E-26	CSCL	GNAQ
IDI1. 2	2. 83E-30	-0. 18847	0. 079	0. 337	4. 23E-26	CSCL	IDI1
MLX. 2	2. 87E-30	-0. 32329	0. 066	0. 311	4. 29E-26	CSCL	MLX
LAIR1. 2	2. 91E-30	-0. 74481	0. 03	0. 241	4. 34E-26	CSCL	LAIR1
TALDO1. 2	3. 20E-30	-0. 16373	0. 239	0. 616	4. 78E-26	CSCL	TALDO1
NT5C3B. 1	3. 22E-30	-0. 25895	0. 084	0. 344	4. 82E-26	CSCL	NT5C3B
C12orf75. 3	3. 36E-30	-0. 53865	0. 007	0. 202	5. 02E-26	CSCL	C12orf75
METTL23. 1	3. 60E-30	-0. 237	0. 077	0. 331	5. 38E-26	CSCL	METTL23
ELP5. 1	3. 95E-30	-0. 2836	0. 047	0. 278	5. 91E-26	CSCL	ELP5
UBE2R2. 2	4. 02E-30	-0. 25119	0. 058	0. 298	6. 01E-26	CSCL	UBE2R2
H2AFV. 2	4. 61E-30	-0. 12621	0. 192	0. 539	6. 89E-26	CSCL	H2AFV
TOMM22. 2	4. 89E-30	-0. 11791	0. 161	0. 485	7. 31E-26	CSCL	TOMM22
SMARCB1. 2	5. 22E-30	-0. 18561	0. 131	0. 428	7. 80E-26	CSCL	SMARCB1
HEBP2. 2	5. 30E-30	-0. 34643	0. 021	0. 229	7. 93E-26	CSCL	HEBP2
KPNB1. 2	5. 95E-30	-0. 1867	0. 152	0. 463	8. 90E-26	CSCL	KPNB1
PPA1. 1	6. 05E-30	-0. 12173	0. 195	0. 546	9. 05E-26	CSCL	PPA1
SMAP1. 2	6. 19E-30	-0. 17276	0. 065	0. 309	9. 25E-26	CSCL	SMAP1
KLHDC3. 2	6. 21E-30	-0. 13467	0. 101	0. 375	9. 28E-26	CSCL	KLHDC3
ALKBH7. 2	6. 30E-30	-0. 1119	0. 164	0. 487	9. 42E-26	CSCL	ALKBH7
SNRNP70. 2	6. 34E-30	-0. 17788	0. 166	0. 491	9. 48E-26	CSCL	SNRNP70
PVRL2. 2	6. 40E-30	-0. 327	0. 035	0. 254	9. 56E-26	CSCL	PVRL2
ETS2. 2	6. 48E-30	-0. 61998	0. 016	0. 217	9. 69E-26	CSCL	ETS2
TUSC2. 1	6. 73E-30	-0. 17919	0. 087	0. 348	1. 01E-25	CSCL	TUSC2
PEBP1. 2	6. 92E-30	0. 41668	0. 688	0. 81	1. 03E-25	CSCL	PEBP1
FUCA1. 2	7. 54E-30	-0. 4792	0. 023	0. 23	1. 13E-25	CSCL	FUCA1
FAM173A. 2	7. 81E-30	-0. 26073	0. 059	0. 299	1. 17E-25	CSCL	FAM173A
SMARCE1. 1	8. 64E-30	-0. 191	0. 112	0. 392	1. 29E-25	CSCL	SMARCE1
CELF2. 2	9. 08E-30	-0. 29755	0. 119	0. 397	1. 36E-25	CSCL	CELF2
PRR13	9. 55E-30	-0. 13439	0. 206	0. 56	1. 43E-25	CSCL	PRR13
ARPC5. 1	9. 61E-30	-0. 18799	0. 281	0. 692	1. 44E-25	CSCL	ARPC5
CCNH. 2	1. 00E-29	-0. 23573	0. 134	0. 426	1. 50E-25	CSCL	CCNH
PSMD12. 1	1. 19E-29	-0. 22906	0. 092	0. 356	1. 77E-25	CSCL	PSMD12
TMEM176B. 1	1. 21E-29	-0. 51139	0. 105	0. 365	1. 81E-25	CSCL	TMEM176B
TGFBI. 2	1. 21E-29	-0. 73336	0. 016	0. 215	1. 81E-25	CSCL	TGFBI
UBAC2. 1	1. 27E-29	-0. 3498	0. 052	0. 282	1. 89E-25	CSCL	UBAC2
WTAP. 2	1. 27E-29	-0. 17117	0. 138	0. 435	1. 89E-25	CSCL	WTAP
CYBB. 2	1. 31E-29	-0. 74521	0. 009	0. 201	1. 96E-25	CSCL	CYBB
UBQLN1. 1	1. 37E-29	-0. 25915	0. 058	0. 293	2. 05E-25	CSCL	UBQLN1

BAG6. 1	1. 43E-29	-0. 22132	0. 086	0. 344	2. 14E-25	CSCL	BAG6
WNK1. 2	1. 60E-29	-0. 26632	0. 056	0. 29	2. 38E-25	CSCL	WNK1
EMC6. 1	1. 63E-29	-0. 1794	0. 143	0. 449	2. 43E-25	CSCL	EMC6
ZYX. 2	1. 66E-29	-0. 17429	0. 127	0. 416	2. 48E-25	CSCL	ZYX
ARL4C. 2	1. 68E-29	-0. 28146	0. 113	0. 392	2. 51E-25	CSCL	ARL4C
SPTLC2. 2	1. 73E-29	-0. 61248	0. 019	0. 22	2. 59E-25	CSCL	SPTLC2
PTPN1. 2	1. 74E-29	-0. 32282	0. 03	0. 242	2. 60E-25	CSCL	PTPN1
JOSD2. 1	1. 76E-29	-0. 24543	0. 089	0. 347	2. 62E-25	CSCL	JOSD2
MTIF3. 1	1. 89E-29	-0. 11694	0. 092	0. 359	2. 83E-25	CSCL	MTIF3
FGFR10P2.	2. 12E-29	-0. 23437	0. 079	0. 33	3. 16E-25	CSCL	FGFR10P2
TMEM9B. 1	2. 16E-29	-0. 18283	0. 206	0. 553	3. 22E-25	CSCL	TMEM9B
NCOA4. 2	2. 21E-29	-0. 27467	0. 047	0. 274	3. 31E-25	CSCL	NCOA4
SAFB. 1	2. 51E-29	-0. 25831	0. 063	0. 301	3. 75E-25	CSCL	SAFB
IL18. 2	2. 64E-29	-0. 77063	0. 01	0. 202	3. 95E-25	CSCL	IL18
QSOX1. 2	2. 74E-29	-0. 35399	0. 033	0. 247	4. 09E-25	CSCL	QSOX1
MCOLN1. 2	2. 77E-29	-0. 35667	0. 037	0. 254	4. 14E-25	CSCL	MCOLN1
CAPRIN1. 2	2. 84E-29	-0. 14151	0. 079	0. 332	4. 25E-25	CSCL	CAPRIN1
POP7. 1	2. 96E-29	-0. 16411	0. 122	0. 408	4. 43E-25	CSCL	POP7
SQSTM1. 2	3. 12E-29	-0. 14059	0. 202	0. 54	4. 66E-25	CSCL	SQSTM1
UROS. 2	3. 14E-29	-0. 29414	0. 042	0. 263	4. 69E-25	CSCL	UROS
KCTD12. 2	3. 17E-29	-0. 40221	0. 033	0. 247	4. 74E-25	CSCL	KCTD12
CYFIP1. 2	3. 41E-29	-0. 33609	0. 061	0. 294	5. 10E-25	CSCL	CYFIP1
BAX. 2	3. 66E-29	-0. 12564	0. 222	0. 583	5. 48E-25	CSCL	BAX
TMEM259. 2	3. 68E-29	-0. 18724	0. 089	0. 348	5. 50E-25	CSCL	TMEM259
TPD52L2. 1	3. 80E-29	-0. 1263	0. 082	0. 336	5. 68E-25	CSCL	TPD52L2
CSF2RA. 2	3. 81E-29	-0. 75826	0. 016	0. 212	5. 69E-25	CSCL	CSF2RA
DDRKG1. 1	4. 31E-29	-0. 15307	0. 136	0. 432	6. 45E-25	CSCL	DDRKG1
ANAPC16	4. 37E-29	-0. 13481	0. 201	0. 542	6. 54E-25	CSCL	ANAPC16
CCDC112. 2	4. 39E-29	-0. 30821	0. 047	0. 272	6. 56E-25	CSCL	CCDC112
CLEC2B. 2	4. 42E-29	-0. 69551	0. 017	0. 214	6. 60E-25	CSCL	CLEC2B
EPC1. 2	4. 44E-29	-0. 27184	0. 065	0. 303	6. 64E-25	CSCL	EPC1
HEXA. 1	4. 79E-29	-0. 2752	0. 124	0. 403	7. 15E-25	CSCL	HEXA
SLTM. 2	5. 02E-29	-0. 13011	0. 098	0. 362	7. 51E-25	CSCL	SLTM
SRSF4. 2	5. 19E-29	-0. 12144	0. 103	0. 373	7. 76E-25	CSCL	SRSF4
H1FX. 2	5. 25E-29	-0. 2691	0. 122	0. 398	7. 84E-25	CSCL	H1FX
WDR45B. 1	5. 27E-29	-0. 19791	0. 129	0. 417	7. 88E-25	CSCL	WDR45B
STX7. 2	5. 61E-29	-0. 35031	0. 052	0. 279	8. 38E-25	CSCL	STX7
PAFAH1B2.	5. 70E-29	-0. 19039	0. 084	0. 338	8. 52E-25	CSCL	PAFAH1B2
IFNAR1. 2	6. 39E-29	-0. 26652	0. 065	0. 301	9. 55E-25	CSCL	IFNAR1
CAST. 1	6. 72E-29	-0. 16749	0. 08	0. 33	1. 00E-24	CSCL	CAST
STIP1	7. 87E-29	-0. 11378	0. 11	0. 385	1. 18E-24	CSCL	STIP1
RNF213. 2	8. 34E-29	-0. 32794	0. 049	0. 272	1. 25E-24	CSCL	RNF213
PPIF. 2	8. 46E-29	-0. 40758	0. 026	0. 231	1. 26E-24	CSCL	PPIF
ARF6. 2	8. 53E-29	-0. 20224	0. 096	0. 356	1. 27E-24	CSCL	ARF6
ARGLU1. 2	8. 60E-29	-0. 1736	0. 166	0. 484	1. 29E-24	CSCL	ARGLU1
NRBF2. 2	9. 17E-29	-0. 25156	0. 054	0. 283	1. 37E-24	CSCL	NRBF2
NUDT14. 2	9. 70E-29	-0. 50837	0. 01	0. 201	1. 45E-24	CSCL	NUDT14
SNX17	9. 88E-29	-0. 16252	0. 157	0. 465	1. 48E-24	CSCL	SNX17
RNF145. 2	1. 04E-28	-0. 23425	0. 115	0. 391	1. 55E-24	CSCL	RNF145
FCGBP. 2	1. 10E-28	-0. 80423	0. 035	0. 239	1. 65E-24	CSCL	FCGBP
MPP1. 2	1. 15E-28	-0. 52131	0. 016	0. 21	1. 72E-24	CSCL	MPP1

IQGAP1. 2	1. 18E-28	-0. 26312	0. 044	0. 263	1. 77E-24 CSCL	IQGAP1
RHOT1. 2	1. 20E-28	-0. 27659	0. 042	0. 259	1. 79E-24 CSCL	RHOT1
DNASE2. 2	1. 22E-28	-0. 22183	0. 12	0. 397	1. 82E-24 CSCL	DNASE2
UFD1L. 2	1. 37E-28	-0. 13594	0. 087	0. 343	2. 04E-24 CSCL	UFD1L
GLRX3. 1	1. 37E-28	-0. 24862	0. 073	0. 316	2. 05E-24 CSCL	GLRX3
SCARB2. 2	1. 45E-28	-0. 18775	0. 119	0. 395	2. 16E-24 CSCL	SCARB2
NOP10. 2	1. 47E-28	-0. 18083	0. 248	0. 625	2. 20E-24 CSCL	NOP10
WAS. 2	1. 48E-28	-0. 702	0. 002	0. 183	2. 21E-24 CSCL	WAS
C1orf54. 2	1. 50E-28	-0. 4956	0. 03	0. 236	2. 25E-24 CSCL	C1orf54
SLC7A7. 2	1. 50E-28	-0. 74076	0. 002	0. 183	2. 25E-24 CSCL	SLC7A7
HMGB1	1. 51E-28	0. 330759	0. 728	0. 868	2. 25E-24 CSCL	HMGB1
TMEM50A. 2	1. 55E-28	-0. 13166	0. 237	0. 61	2. 32E-24 CSCL	TMEM50A
ACADVL. 1	1. 59E-28	-0. 10343	0. 155	0. 466	2. 37E-24 CSCL	ACADVL
SNF8. 2	1. 63E-28	-0. 14538	0. 162	0. 475	2. 43E-24 CSCL	SNF8
ARID5A	1. 70E-28	-0. 29384	0. 066	0. 301	2. 54E-24 CSCL	ARID5A
PFKFB3. 2	1. 70E-28	-0. 45677	0. 042	0. 254	2. 54E-24 CSCL	PFKFB3
MGAT4A. 2	1. 71E-28	-0. 58985	0. 028	0. 23	2. 56E-24 CSCL	MGAT4A
BAZ1B. 2	1. 72E-28	-0. 23988	0. 07	0. 31	2. 57E-24 CSCL	BAZ1B
PRRC2C. 2	1. 93E-28	-0. 11739	0. 175	0. 498	2. 89E-24 CSCL	PRRC2C
RRBP1. 2	1. 96E-28	-0. 26097	0. 07	0. 308	2. 93E-24 CSCL	RRBP1
BLOC1S2. 1	1. 97E-28	-0. 148	0. 11	0. 382	2. 95E-24 CSCL	BLOC1S2
CCDC88A. 2	2. 08E-28	-0. 17581	0. 14	0. 43	3. 11E-24 CSCL	CCDC88A
MANF. 2	2. 08E-28	-0. 19837	0. 161	0. 466	3. 11E-24 CSCL	MANF
MAP3K8. 2	2. 13E-28	-0. 68611	0. 007	0. 192	3. 19E-24 CSCL	MAP3K8
GGNBP2	2. 19E-28	-0. 2013	0. 126	0. 404	3. 28E-24 CSCL	GGNBP2
FSCN1. 2	2. 25E-28	-0. 19735	0. 192	0. 52	3. 37E-24 CSCL	FSCN1
VOPP1. 1	2. 52E-28	-0. 29949	0. 068	0. 302	3. 76E-24 CSCL	VOPP1
TRPC4AP. 2	2. 82E-28	-0. 26543	0. 044	0. 261	4. 21E-24 CSCL	TRPC4AP
EWSR1. 1	2. 85E-28	-0. 13989	0. 168	0. 48	4. 26E-24 CSCL	EWSR1
RABEP1. 2	2. 88E-28	-0. 2751	0. 045	0. 263	4. 30E-24 CSCL	RABEP1
FAM195A. 2	2. 93E-28	-0. 23001	0. 045	0. 265	4. 37E-24 CSCL	FAM195A
SAMHD1. 2	2. 94E-28	-0. 48505	0. 024	0. 224	4. 40E-24 CSCL	SAMHD1
NARF	3. 14E-28	-0. 238	0. 089	0. 342	4. 70E-24 CSCL	NARF
MBOAT7. 2	3. 53E-28	-0. 24035	0. 04	0. 253	5. 27E-24 CSCL	MBOAT7
SHARPIN. 2	3. 59E-28	-0. 20219	0. 073	0. 313	5. 37E-24 CSCL	SHARPIN
GLRX. 1	3. 77E-28	-0. 29328	0. 127	0. 402	5. 63E-24 CSCL	GLRX
PARL. 2	3. 78E-28	-0. 19494	0. 094	0. 35	5. 65E-24 CSCL	PARL
ATP6V1A. 2	3. 82E-28	-0. 35631	0. 016	0. 208	5. 71E-24 CSCL	ATP6V1A
ARRDC3	4. 03E-28	-0. 27747	0. 073	0. 313	6. 02E-24 CSCL	ARRDC3
FMNL2. 2	4. 16E-28	-0. 31203	0. 052	0. 276	6. 22E-24 CSCL	FMNL2
RNPEP. 2	4. 29E-28	-0. 35809	0. 03	0. 234	6. 40E-24 CSCL	RNPEP
UBXN1. 2	4. 49E-28	-0. 13273	0. 257	0. 639	6. 70E-24 CSCL	UBXN1
RP11-345J	4. 82E-28	-0. 20575	0. 035	0. 245	7. 20E-24 CSCL	RP11-345J4. 5
DNMT1. 2	4. 89E-28	-0. 18117	0. 065	0. 297	7. 30E-24 CSCL	DNMT1
USB1. 1	4. 93E-28	-0. 3357	0. 033	0. 24	7. 36E-24 CSCL	USB1
PDCD10. 1	5. 04E-28	-0. 21609	0. 063	0. 294	7. 53E-24 CSCL	PDCD10
ELOVL5	5. 15E-28	-0. 25488	0. 087	0. 336	7. 70E-24 CSCL	ELOVL5
RRAGA. 1	5. 22E-28	-0. 18626	0. 126	0. 402	7. 80E-24 CSCL	RRAGA
PLK3. 2	6. 14E-28	-0. 48813	0. 042	0. 251	9. 17E-24 CSCL	PLK3
NFE2L2. 1	6. 23E-28	-0. 13804	0. 171	0. 483	9. 31E-24 CSCL	NFE2L2
YWHAG. 2	6. 39E-28	-0. 11114	0. 124	0. 404	9. 55E-24 CSCL	YWHAG

TMX4. 1	6. 72E-28	-0. 26971	0. 042	0. 256	1. 00E-23	CSCL	TMX4
NSA2. 2	7. 21E-28	-0. 11807	0. 129	0. 412	1. 08E-23	CSCL	NSA2
CSRP1. 1	7. 29E-28	-0. 34137	0. 038	0. 248	1. 09E-23	CSCL	CSRP1
S100A8. 2	7. 54E-28	-0. 88532	0. 01	0. 194	1. 13E-23	CSCL	S100A8
TAF10. 2	7. 99E-28	-0. 30782	0. 031	0. 236	1. 19E-23	CSCL	TAF10
CCDC47. 2	8. 07E-28	-0. 15024	0. 133	0. 419	1. 21E-23	CSCL	CCDC47
AP2B1. 1	8. 31E-28	-0. 2161	0. 096	0. 353	1. 24E-23	CSCL	AP2B1
PPP1R7	8. 64E-28	-0. 13217	0. 103	0. 366	1. 29E-23	CSCL	PPP1R7
HOMER3. 2	9. 02E-28	-0. 25555	0. 04	0. 252	1. 35E-23	CSCL	HOMER3
MNDA. 2	9. 10E-28	-0. 71781	0. 005	0. 186	1. 36E-23	CSCL	MNDA
STARD3	9. 69E-28	-0. 30714	0. 049	0. 266	1. 45E-23	CSCL	STARD3
WIPF1. 2	1. 05E-27	-0. 45381	0. 03	0. 229	1. 57E-23	CSCL	WIPF1
CEP170. 2	1. 05E-27	-0. 27451	0. 052	0. 272	1. 57E-23	CSCL	CEP170
NRP2. 2	1. 08E-27	-0. 3193	0. 03	0. 231	1. 61E-23	CSCL	NRP2
AGPAT2. 2	1. 13E-27	-0. 46762	0. 007	0. 188	1. 70E-23	CSCL	AGPAT2
COX6B1. 2	1. 16E-27	0. 43803	0. 688	0. 854	1. 73E-23	CSCL	COX6B1
WASF2. 2	1. 22E-27	-0. 10518	0. 155	0. 453	1. 82E-23	CSCL	WASF2
POLDIP2. 2	1. 24E-27	-0. 14689	0. 099	0. 36	1. 86E-23	CSCL	POLDIP2
NDFIP1. 2	1. 25E-27	-0. 18098	0. 243	0. 62	1. 86E-23	CSCL	NDFIP1
NEK6. 1	1. 25E-27	-0. 23115	0. 068	0. 301	1. 87E-23	CSCL	NEK6
RTN4. 2	1. 27E-27	-0. 25211	0. 309	0. 72	1. 89E-23	CSCL	RTN4
ETF1. 1	1. 35E-27	-0. 21341	0. 101	0. 358	2. 01E-23	CSCL	ETF1
CISD2. 1	1. 46E-27	-0. 13665	0. 134	0. 418	2. 19E-23	CSCL	CISD2
ADRM1	1. 51E-27	-0. 12584	0. 195	0. 525	2. 25E-23	CSCL	ADRM1
FYTTD1. 1	1. 57E-27	-0. 19689	0. 068	0. 3	2. 34E-23	CSCL	FYTTD1
XRCC5. 2	1. 57E-27	-0. 15532	0. 227	0. 578	2. 35E-23	CSCL	XRCC5
CYTH2. 2	1. 64E-27	-0. 14866	0. 098	0. 354	2. 46E-23	CSCL	CYTH2
POLR1D. 1	1. 67E-27	-0. 10079	0. 14	0. 429	2. 50E-23	CSCL	POLR1D
PDCD6IP	1. 68E-27	-0. 23024	0. 068	0. 3	2. 51E-23	CSCL	PDCD6IP
HINT1. 1	1. 69E-27	0. 400173	0. 686	0. 835	2. 53E-23	CSCL	HINT1
FGD5-AS1.	1. 69E-27	-0. 20179	0. 082	0. 324	2. 53E-23	CSCL	FGD5-AS1
HSD17B11.	1. 79E-27	-0. 3294	0. 124	0. 39	2. 68E-23	CSCL	HSD17B11
CTSB	1. 85E-27	-0. 31727	0. 37	0. 776	2. 77E-23	CSCL	CTSB
NRBP1	1. 90E-27	-0. 17259	0. 098	0. 353	2. 83E-23	CSCL	NRBP1
ACAT2. 2	1. 91E-27	-0. 16255	0. 061	0. 289	2. 86E-23	CSCL	ACAT2
GPR137B. 2	1. 97E-27	-0. 27989	0. 035	0. 239	2. 94E-23	CSCL	GPR137B
BECN1. 1	2. 02E-27	-0. 27798	0. 035	0. 24	3. 02E-23	CSCL	BECN1
RTF1. 2	2. 03E-27	-0. 1074	0. 148	0. 445	3. 04E-23	CSCL	RTF1
FOLR2. 2	2. 16E-27	-0. 89059	0. 007	0. 186	3. 23E-23	CSCL	FOLR2
SH3BP5. 2	2. 18E-27	-0. 39854	0. 019	0. 21	3. 26E-23	CSCL	SH3BP5
UNC93B1. 2	2. 21E-27	-0. 4041	0. 019	0. 21	3. 31E-23	CSCL	UNC93B1
THOP1. 1	2. 22E-27	-0. 26383	0. 019	0. 211	3. 32E-23	CSCL	THOP1
SLC43A2. 2	2. 31E-27	-0. 42462	0. 045	0. 256	3. 46E-23	CSCL	SLC43A2
LTC4S. 2	2. 32E-27	-0. 67641	0. 002	0. 177	3. 47E-23	CSCL	LTC4S
USP14. 1	2. 36E-27	-0. 22998	0. 051	0. 268	3. 53E-23	CSCL	USP14
RAB14	2. 48E-27	-0. 14785	0. 141	0. 431	3. 70E-23	CSCL	RAB14
PTS. 1	2. 60E-27	-0. 11782	0. 089	0. 339	3. 89E-23	CSCL	PTS
CRYL1	2. 66E-27	-0. 27263	0. 082	0. 321	3. 97E-23	CSCL	CRYL1
BTG3. 1	2. 67E-27	-0. 21466	0. 119	0. 384	3. 99E-23	CSCL	BTG3
CELF1. 2	2. 74E-27	-0. 21131	0. 08	0. 319	4. 10E-23	CSCL	CELF1
PTBP1. 2	2. 98E-27	-0. 12019	0. 087	0. 335	4. 46E-23	CSCL	PTBP1

ZDHC12.2	3.15E-27	-0.24959	0.052	0.271	4.71E-23	CSCL	ZDHC12
IFNAR2.2	3.18E-27	-0.36971	0.019	0.209	4.75E-23	CSCL	IFNAR2
TP53I13.2	3.33E-27	-0.28058	0.044	0.255	4.98E-23	CSCL	TP53I13
UBE2F.1	3.36E-27	-0.18962	0.092	0.342	5.01E-23	CSCL	UBE2F
BIRC2.1	3.39E-27	-0.2003	0.065	0.292	5.06E-23	CSCL	BIRC2
TMUB1.1	3.40E-27	-0.22144	0.056	0.277	5.08E-23	CSCL	TMUB1
MSR1.2	3.53E-27	-0.69308	0.009	0.189	5.27E-23	CSCL	MSR1
PDCD2.2	3.57E-27	-0.14841	0.072	0.306	5.34E-23	CSCL	PDCD2
SLC35B2.1	3.62E-27	-0.2204	0.075	0.312	5.41E-23	CSCL	SLC35B2
MFS10.1	3.91E-27	-0.22166	0.077	0.313	5.84E-23	CSCL	MFS10
GNA13.2	4.00E-27	-0.49608	0.009	0.189	5.98E-23	CSCL	GNA13
TCP1	4.19E-27	-0.15101	0.204	0.539	6.25E-23	CSCL	TCP1
CLEC7A.2	4.19E-27	-0.71298	0.007	0.184	6.26E-23	CSCL	CLEC7A
OSTM1.2	4.19E-27	-0.25299	0.035	0.238	6.26E-23	CSCL	OSTM1
FABP5.2	4.20E-27	0.949157	0.485	0.387	6.28E-23	CSCL	FABP5
KARS.1	4.33E-27	-0.19032	0.119	0.387	6.47E-23	CSCL	KARS
TOR1A.2	4.50E-27	-0.2656	0.054	0.272	6.73E-23	CSCL	TOR1A
GOLGB1.1	4.60E-27	-0.32934	0.042	0.25	6.87E-23	CSCL	GOLGB1
CD302.2	4.60E-27	-0.54039	0.023	0.214	6.88E-23	CSCL	CD302
PDCD6.1	4.66E-27	-0.11494	0.208	0.551	6.97E-23	CSCL	PDCD6
SIGIRR.2	4.68E-27	-0.38369	0.017	0.205	7.00E-23	CSCL	SIGIRR
CTNNB1.2	4.76E-27	-0.26517	0.112	0.367	7.11E-23	CSCL	CTNNB1
TMEM248.1	4.82E-27	-0.18463	0.073	0.307	7.21E-23	CSCL	TMEM248
HNRNP3.2	5.29E-27	-0.12293	0.159	0.46	7.91E-23	CSCL	HNRNP3
SVIP.2	5.37E-27	-0.58999	0.003	0.178	8.03E-23	CSCL	SVIP
HNRNPA0.2	5.38E-27	-0.14439	0.271	0.661	8.04E-23	CSCL	HNRNPA0
NR4A1.2	5.46E-27	-0.50125	0.065	0.283	8.16E-23	CSCL	NR4A1
SLC52A2.1	5.56E-27	-0.22722	0.065	0.291	8.30E-23	CSCL	SLC52A2
CLIC1	5.59E-27	-0.24286	0.271	0.641	8.35E-23	CSCL	CLIC1
TIMP1.2	6.00E-27	0.584599	0.62	0.62	8.96E-23	CSCL	TIMP1
PLEK.2	6.18E-27	-0.72546	0.007	0.184	9.23E-23	CSCL	PLEK
SCO2.2	6.72E-27	-0.3189	0.026	0.221	1.00E-22	CSCL	SCO2
HPCAL1.2	6.89E-27	-0.34792	0.026	0.219	1.03E-22	CSCL	HPCAL1
PTPN6.2	7.19E-27	-0.67486	0	0.17	1.07E-22	CSCL	PTPN6
TAX1BP3.1	7.25E-27	-0.13758	0.126	0.395	1.08E-22	CSCL	TAX1BP3
MZT2A.1	7.34E-27	-0.10798	0.141	0.428	1.10E-22	CSCL	MZT2A
HNRNPD.2	7.58E-27	-0.15221	0.141	0.428	1.13E-22	CSCL	HNRNPD
NIPA2.2	7.73E-27	-0.18267	0.056	0.275	1.15E-22	CSCL	NIPA2
NME3.2	7.73E-27	-0.16325	0.145	0.431	1.16E-22	CSCL	NME3
TMED2.1	8.18E-27	-0.14813	0.257	0.63	1.22E-22	CSCL	TMED2
VIMP.1	8.38E-27	-0.14465	0.168	0.471	1.25E-22	CSCL	VIMP
EIF4EBP1.1	8.50E-27	-0.1546	0.15	0.441	1.27E-22	CSCL	EIF4EBP1
ITFG1.2	8.69E-27	-0.20692	0.105	0.361	1.30E-22	CSCL	ITFG1
TPP1.2	8.98E-27	-0.28619	0.092	0.335	1.34E-22	CSCL	TPP1
IVNS1ABP.1	9.12E-27	-0.37855	0.042	0.248	1.36E-22	CSCL	IVNS1ABP
GPX1.2	9.72E-27	-0.29228	0.396	0.835	1.45E-22	CSCL	GPX1
GHITM.1	9.72E-27	-0.12057	0.208	0.539	1.45E-22	CSCL	GHITM
UBL5.1	1.10E-26	0.419513	0.684	0.839	1.65E-22	CSCL	UBL5
IFT27.2	1.17E-26	-0.25804	0.052	0.267	1.74E-22	CSCL	IFT27
GINM1	1.22E-26	-0.16868	0.075	0.308	1.82E-22	CSCL	GINM1
SCAF11.2	1.22E-26	-0.15122	0.133	0.41	1.82E-22	CSCL	SCAF11

YIF1B	1. 22E-26	-0. 16345	0. 096	0. 345	1. 83E-22 CSCL	YIF1B
IL10RB. 2	1. 27E-26	-0. 36057	0. 045	0. 253	1. 90E-22 CSCL	IL10RB
SLC31A2. 2	1. 29E-26	-0. 56428	0. 017	0. 201	1. 92E-22 CSCL	SLC31A2
C1orf35. 1	1. 30E-26	-0. 20347	0. 056	0. 274	1. 94E-22 CSCL	C1orf35
SSRP1. 1	1. 31E-26	-0. 12503	0. 108	0. 367	1. 95E-22 CSCL	SSRP1
HCK. 2	1. 34E-26	-0. 65836	0. 003	0. 176	2. 01E-22 CSCL	HCK
NT5C. 2	1. 38E-26	-0. 18386	0. 089	0. 332	2. 06E-22 CSCL	NT5C
ARMC10. 1	1. 43E-26	-0. 13824	0. 075	0. 308	2. 13E-22 CSCL	ARMC10
CHD2. 2	1. 51E-26	-0. 22835	0. 073	0. 303	2. 25E-22 CSCL	CHD2
MGST2. 2	1. 51E-26	-0. 44212	0. 052	0. 264	2. 26E-22 CSCL	MGST2
UBE3A. 2	1. 52E-26	-0. 21076	0. 07	0. 298	2. 26E-22 CSCL	UBE3A
HBEGF. 2	1. 52E-26	-0. 54856	0. 031	0. 225	2. 28E-22 CSCL	HBEGF
MAP2K3. 2	1. 56E-26	-0. 41616	0. 016	0. 198	2. 34E-22 CSCL	MAP2K3
FAM26F. 2	1. 63E-26	-0. 63951	0. 003	0. 175	2. 44E-22 CSCL	FAM26F
DDX17. 2	1. 65E-26	-0. 15706	0. 15	0. 438	2. 46E-22 CSCL	DDX17
SRSF6. 2	1. 66E-26	-0. 16385	0. 112	0. 372	2. 48E-22 CSCL	SRSF6
MINOS1. 1	1. 71E-26	-0. 12253	0. 271	0. 658	2. 56E-22 CSCL	MINOS1
STXBP2. 2	1. 82E-26	-0. 62965	0. 007	0. 181	2. 72E-22 CSCL	STXBP2
RBBP6. 1	1. 88E-26	-0. 18446	0. 086	0. 325	2. 81E-22 CSCL	RBBP6
FAM89B. 2	1. 95E-26	-0. 24553	0. 047	0. 257	2. 92E-22 CSCL	FAM89B
BRD4. 1	1. 98E-26	-0. 12666	0. 092	0. 339	2. 96E-22 CSCL	BRD4
FERMT3. 2	2. 03E-26	-0. 63809	0. 003	0. 175	3. 03E-22 CSCL	FERMT3
UBE2J1. 2	2. 04E-26	-0. 18894	0. 066	0. 292	3. 05E-22 CSCL	UBE2J1
IKBIP. 1	2. 06E-26	-0. 38864	0. 037	0. 236	3. 08E-22 CSCL	IKBIP
C5orf24. 1	2. 14E-26	-0. 16614	0. 075	0. 307	3. 20E-22 CSCL	C5orf24
FAM105A. 2	2. 17E-26	-0. 66768	0. 002	0. 171	3. 24E-22 CSCL	FAM105A
OGFRL1. 2	2. 20E-26	-0. 52223	0. 012	0. 19	3. 29E-22 CSCL	OGFRL1
UBE2K	2. 26E-26	-0. 13728	0. 077	0. 31	3. 38E-22 CSCL	UBE2K
SCAND1. 2	2. 28E-26	-0. 15476	0. 234	0. 588	3. 40E-22 CSCL	SCAND1
DNAJA1	2. 37E-26	-0. 1447	0. 267	0. 647	3. 54E-22 CSCL	DNAJA1
RDX. 1	2. 45E-26	-0. 16161	0. 19	0. 506	3. 67E-22 CSCL	RDX
MEF2A. 2	2. 46E-26	-0. 46003	0. 031	0. 225	3. 68E-22 CSCL	MEF2A
ATF6. 2	2. 51E-26	-0. 2699	0. 049	0. 259	3. 75E-22 CSCL	ATF6
ITGAV. 2	2. 57E-26	-0. 21957	0. 066	0. 289	3. 84E-22 CSCL	ITGAV
CDIPT. 1	2. 69E-26	-0. 15763	0. 07	0. 297	4. 02E-22 CSCL	CDIPT
TM7SF3. 2	3. 48E-26	-0. 21059	0. 051	0. 261	5. 20E-22 CSCL	TM7SF3
NQO2. 1	3. 48E-26	-0. 27587	0. 052	0. 263	5. 21E-22 CSCL	NQO2
EPN1. 2	3. 64E-26	-0. 1284	0. 098	0. 347	5. 43E-22 CSCL	EPN1
ORMDL2	3. 87E-26	-0. 3329	0. 065	0. 283	5. 78E-22 CSCL	ORMDL2
CHMP3. 1	3. 97E-26	-0. 12858	0. 124	0. 392	5. 93E-22 CSCL	CHMP3
ROGDI. 2	4. 04E-26	-0. 3113	0. 038	0. 237	6. 03E-22 CSCL	ROGDI
RHBDF2. 2	4. 20E-26	-0. 60629	0. 01	0. 186	6. 27E-22 CSCL	RHBDF2
TIMM10. 1	4. 24E-26	-0. 10606	0. 11	0. 366	6. 34E-22 CSCL	TIMM10
RPN1. 1	4. 43E-26	-0. 14597	0. 143	0. 423	6. 61E-22 CSCL	RPN1
ZNF207	4. 43E-26	-0. 14626	0. 169	0. 47	6. 62E-22 CSCL	ZNF207
LPAR6. 2	4. 44E-26	-0. 47207	0. 045	0. 248	6. 63E-22 CSCL	LPAR6
TUBB4B. 1	4. 45E-26	-0. 17206	0. 192	0. 507	6. 66E-22 CSCL	TUBB4B
CMTM7. 2	4. 49E-26	-0. 56921	0. 003	0. 172	6. 71E-22 CSCL	CMTM7
CAPNS1. 1	4. 49E-26	-0. 15109	0. 101	0. 352	6. 71E-22 CSCL	CAPNS1
NUDT5. 1	4. 65E-26	-0. 11049	0. 082	0. 318	6. 94E-22 CSCL	NUDT5
SAFB2. 1	4. 65E-26	-0. 20114	0. 098	0. 343	6. 95E-22 CSCL	SAFB2

BLOC1S6.1	4.65E-26	-0.2206	0.056	0.27	6.95E-22	CSCL	BLOC1S6
RAB7A.1	4.79E-26	-0.11425	0.279	0.678	7.16E-22	CSCL	RAB7A
FGL2.2	4.80E-26	-0.67676	0.01	0.185	7.18E-22	CSCL	FGL2
CFLAR.1	4.90E-26	-0.25266	0.092	0.33	7.32E-22	CSCL	CFLAR
CD58.2	4.90E-26	-0.33435	0.038	0.237	7.32E-22	CSCL	CD58
TNFRSF1B.5	5.00E-26	-0.57661	0.017	0.197	7.47E-22	CSCL	TNFRSF1B
RNF10.1	5.23E-26	-0.10933	0.098	0.344	7.82E-22	CSCL	RNF10
UPP1.2	5.30E-26	-0.30621	0.054	0.265	7.92E-22	CSCL	UPP1
TMEM33.2	5.44E-26	-0.25083	0.072	0.296	8.13E-22	CSCL	TMEM33
DTD1.2	5.50E-26	-0.12312	0.133	0.405	8.23E-22	CSCL	DTD1
YME1L1.1	5.64E-26	-0.22864	0.058	0.271	8.42E-22	CSCL	YME1L1
NTAN1.2	5.82E-26	-0.32065	0.023	0.209	8.70E-22	CSCL	NTAN1
MBNL1.2	6.26E-26	-0.35669	0.037	0.233	9.36E-22	CSCL	MBNL1
PDK4.2	6.53E-26	-0.69563	0.007	0.178	9.76E-22	CSCL	PDK4
CCM2.2	6.56E-26	-0.16751	0.07	0.295	9.80E-22	CSCL	CCM2
DYNLL1.1	6.87E-26	0.344622	0.695	0.843	1.03E-21	CSCL	DYNLL1
DNM2.2	7.32E-26	-0.25717	0.047	0.252	1.09E-21	CSCL	DNM2
GALNT1.2	7.38E-26	-0.32163	0.026	0.215	1.10E-21	CSCL	GALNT1
PPP2R5E.2	7.43E-26	-0.2183	0.049	0.257	1.11E-21	CSCL	PPP2R5E
ATG4B	7.88E-26	-0.22697	0.066	0.287	1.18E-21	CSCL	ATG4B
DDX41.1	8.19E-26	-0.22514	0.047	0.253	1.22E-21	CSCL	DDX41
MVP	8.37E-26	-0.34686	0.038	0.235	1.25E-21	CSCL	MVP
RBM42.1	8.51E-26	-0.11398	0.129	0.399	1.27E-21	CSCL	RBM42
BCL7B.2	8.62E-26	-0.1658	0.092	0.334	1.29E-21	CSCL	BCL7B
E2F4.2	8.90E-26	-0.27527	0.031	0.223	1.33E-21	CSCL	E2F4
AATF	8.94E-26	-0.18172	0.075	0.302	1.34E-21	CSCL	AATF
NCOR1.2	9.07E-26	-0.11084	0.175	0.479	1.35E-21	CSCL	NCOR1
NUFIP2.2	9.14E-26	-0.21454	0.044	0.246	1.37E-21	CSCL	NUFIP2
LGMN.2	9.24E-26	-0.23285	0.113	0.363	1.38E-21	CSCL	LGMN
RNASEH2B.9	9.68E-26	-0.23891	0.045	0.249	1.45E-21	CSCL	RNASEH2B
EIF2S1	9.78E-26	-0.12438	0.091	0.331	1.46E-21	CSCL	EIF2S1
LLPH.1	1.02E-25	-0.1632	0.061	0.279	1.52E-21	CSCL	LLPH
GPCPD1.2	1.03E-25	-0.35124	0.023	0.207	1.55E-21	CSCL	GPCPD1
LARP7.1	1.04E-25	-0.15133	0.115	0.372	1.55E-21	CSCL	LARP7
TMED3.1	1.04E-25	-0.18264	0.086	0.319	1.55E-21	CSCL	TMED3
PLTP	1.08E-25	-0.39801	0.194	0.484	1.62E-21	CSCL	PLTP
CKS2.2	1.13E-25	-0.2959	0.126	0.379	1.68E-21	CSCL	CKS2
UBA2.1	1.13E-25	-0.10854	0.113	0.371	1.69E-21	CSCL	UBA2
WAC.2	1.17E-25	-0.20519	0.059	0.274	1.75E-21	CSCL	WAC
CTNNBIP1.1	1.20E-25	-0.19693	0.031	0.224	1.79E-21	CSCL	CTNNBIP1
DDX27.1	1.22E-25	-0.1626	0.07	0.293	1.82E-21	CSCL	DDX27
PARVG.2	1.22E-25	-0.67716	0.003	0.17	1.83E-21	CSCL	PARVG
IRF8.2	1.25E-25	-0.6649	0.002	0.166	1.87E-21	CSCL	IRF8
ADAM17.2	1.30E-25	-0.31557	0.056	0.266	1.94E-21	CSCL	ADAM17
DOHH.1	1.35E-25	-0.33563	0.021	0.203	2.01E-21	CSCL	DOHH
GID8	1.37E-25	-0.20959	0.051	0.257	2.05E-21	CSCL	GID8
CDC5L.2	1.41E-25	-0.19797	0.07	0.292	2.10E-21	CSCL	CDC5L
RAD21.2	1.41E-25	-0.13275	0.119	0.379	2.11E-21	CSCL	RAD21
ABCF1.1	1.48E-25	-0.15741	0.072	0.295	2.21E-21	CSCL	ABCF1
PDLIM7.1	1.50E-25	-0.25129	0.045	0.248	2.24E-21	CSCL	PDLIM7
SF3B1.2	1.51E-25	-0.12707	0.161	0.45	2.25E-21	CSCL	SF3B1



PTGES2. 2	1. 54E-25	-0. 14697	0. 061	0. 278	2. 30E-21	CSCL	PTGES2
SRSF9. 2	1. 57E-25	-0. 11003	0. 229	0. 578	2. 35E-21	CSCL	SRSF9
RANBP2. 2	1. 65E-25	-0. 31392	0. 03	0. 218	2. 46E-21	CSCL	RANBP2
MTMR14. 2	1. 72E-25	-0. 29322	0. 037	0. 231	2. 57E-21	CSCL	MTMR14
MAPKAPK3. 1	1. 74E-25	-0. 45544	0. 009	0. 179	2. 60E-21	CSCL	MAPKAPK3
COPS3	1. 79E-25	-0. 11237	0. 12	0. 381	2. 67E-21	CSCL	COPS3
NEU1. 1	1. 92E-25	-0. 24359	0. 079	0. 303	2. 87E-21	CSCL	NEU1
IMMT. 1	1. 95E-25	-0. 12494	0. 082	0. 313	2. 92E-21	CSCL	IMMT
MAZ. 2	1. 99E-25	-0. 19122	0. 052	0. 26	2. 98E-21	CSCL	MAZ
CHMP4A. 1	2. 07E-25	-0. 12107	0. 18	0. 483	3. 09E-21	CSCL	CHMP4A
DEGS1	2. 12E-25	-0. 12875	0. 175	0. 474	3. 16E-21	CSCL	DEGS1
PRPF38B. 2	2. 12E-25	-0. 12816	0. 161	0. 449	3. 17E-21	CSCL	PRPF38B
IFRD1. 2	2. 18E-25	-0. 19021	0. 195	0. 502	3. 25E-21	CSCL	IFRD1
G6PD. 1	2. 18E-25	-0. 1837	0. 04	0. 238	3. 25E-21	CSCL	G6PD
CRTAP. 2	2. 25E-25	-0. 26072	0. 045	0. 246	3. 37E-21	CSCL	CRTAP
ZDHHC3. 2	2. 32E-25	-0. 2744	0. 024	0. 208	3. 46E-21	CSCL	ZDHHC3
SMARCC1. 2	2. 39E-25	-0. 23632	0. 056	0. 265	3. 57E-21	CSCL	SMARCC1
SEC23B. 1	2. 43E-25	-0. 15779	0. 065	0. 281	3. 63E-21	CSCL	SEC23B
C19orf25. 2	2. 45E-25	-0. 13058	0. 08	0. 31	3. 66E-21	CSCL	C19orf25
IL1B. 2	2. 46E-25	-0. 63448	0. 04	0. 231	3. 68E-21	CSCL	IL1B
CTSL. 2	2. 62E-25	-0. 20883	0. 222	0. 539	3. 91E-21	CSCL	CTSL
SNAP23. 2	2. 65E-25	-0. 32081	0. 051	0. 254	3. 97E-21	CSCL	SNAP23
FTH1. 2	2. 77E-25	0. 243423	0. 806	0. 939	4. 14E-21	CSCL	FTH1
UTP18. 1	2. 86E-25	-0. 16606	0. 061	0. 274	4. 27E-21	CSCL	UTP18
CHCHD1. 2	2. 93E-25	-0. 11652	0. 065	0. 281	4. 38E-21	CSCL	CHCHD1
SS18L2	3. 05E-25	-0. 13863	0. 087	0. 322	4. 56E-21	CSCL	SS18L2
ME2. 1	3. 44E-25	-0. 26081	0. 038	0. 233	5. 14E-21	CSCL	ME2
MFS12. 2	3. 65E-25	-0. 32886	0. 021	0. 2	5. 45E-21	CSCL	MFS12
BID. 2	3. 65E-25	-0. 11133	0. 115	0. 369	5. 46E-21	CSCL	BID
ECHDC1. 1	3. 69E-25	-0. 14375	0. 098	0. 338	5. 52E-21	CSCL	ECHDC1
ADAM9. 1	3. 85E-25	-0. 16889	0. 099	0. 342	5. 75E-21	CSCL	ADAM9
DEF8. 2	3. 89E-25	-0. 12161	0. 065	0. 281	5. 82E-21	CSCL	DEF8
CCDC66. 1	3. 97E-25	-0. 26796	0. 042	0. 239	5. 93E-21	CSCL	CCDC66
KDM6B. 2	4. 00E-25	-0. 41018	0. 04	0. 232	5. 97E-21	CSCL	KDM6B
PCM1. 2	4. 21E-25	-0. 13856	0. 096	0. 335	6. 30E-21	CSCL	PCM1
TUBGCP2. 2	4. 26E-25	-0. 26569	0. 033	0. 222	6. 36E-21	CSCL	TUBGCP2
VTI1B. 2	4. 37E-25	-0. 12971	0. 108	0. 359	6. 53E-21	CSCL	VTI1B
RAB31. 2	4. 38E-25	-0. 14676	0. 178	0. 474	6. 55E-21	CSCL	RAB31
RBM27. 1	4. 47E-25	-0. 2682	0. 04	0. 235	6. 69E-21	CSCL	RBM27
FOXO3. 2	4. 56E-25	-0. 2114	0. 066	0. 282	6. 81E-21	CSCL	FOXO3
CAPN1. 1	4. 85E-25	-0. 24647	0. 059	0. 269	7. 25E-21	CSCL	CAPN1
PPP2CB. 2	5. 12E-25	-0. 19322	0. 08	0. 308	7. 65E-21	CSCL	PPP2CB
ZNF524. 2	5. 23E-25	-0. 26724	0. 019	0. 196	7. 82E-21	CSCL	ZNF524
SWAP70. 2	5. 36E-25	-0. 27366	0. 038	0. 231	8. 01E-21	CSCL	SWAP70
COX6A1. 2	5. 58E-25	0. 347532	0. 681	0. 853	8. 34E-21	CSCL	COX6A1
FAM120A. 2	5. 58E-25	-0. 23738	0. 031	0. 219	8. 34E-21	CSCL	FAM120A
SND1	5. 73E-25	-0. 23642	0. 058	0. 266	8. 57E-21	CSCL	SND1
CHCHD7. 1	5. 75E-25	-0. 30369	0. 077	0. 297	8. 59E-21	CSCL	CHCHD7
DHX29. 1	5. 86E-25	-0. 16319	0. 089	0. 321	8. 75E-21	CSCL	DHX29
ENOPH1. 1	5. 94E-25	-0. 10341	0. 133	0. 402	8. 88E-21	CSCL	ENOPH1
RRAGC. 1	6. 16E-25	-0. 18806	0. 052	0. 257	9. 20E-21	CSCL	RRAGC

RABGGTB.1	6.18E-25	-0.18744	0.079	0.302	9.23E-21	CSCL	RABGGTB
COMT.2	6.27E-25	-0.11207	0.223	0.564	9.36E-21	CSCL	COMT
ID2.1	6.78E-25	-0.17412	0.3	0.672	1.01E-20	CSCL	ID2
TOMM7.1	6.84E-25	0.382771	0.695	0.86	1.02E-20	CSCL	TOMM7
ANXA7.1	6.93E-25	-0.17678	0.106	0.35	1.04E-20	CSCL	ANXA7
RB1CC1.1	6.98E-25	-0.25766	0.07	0.287	1.04E-20	CSCL	RB1CC1
PNPLA2.2	7.11E-25	-0.28287	0.033	0.221	1.06E-20	CSCL	PNPLA2
BLOC1S4.2	7.14E-25	-0.20378	0.051	0.253	1.07E-20	CSCL	BLOC1S4
MAD2L2.1	7.26E-25	-0.12714	0.136	0.405	1.09E-20	CSCL	MAD2L2
BCL2A1.2	7.81E-25	-0.65379	0.003	0.165	1.17E-20	CSCL	BCL2A1
NCBP2-AS2	7.91E-25	-0.14977	0.07	0.287	1.18E-20	CSCL	NCBP2-AS2
APOE.2	8.29E-25	-0.18412	0.33	0.704	1.24E-20	CSCL	APOE
TMED5.2	8.54E-25	-0.14553	0.087	0.317	1.28E-20	CSCL	TMED5
MTRNR2L1C	8.69E-25	0.558755	0.182	0.069	1.30E-20	CSCL	MTRNR2L10
STX4.1	9.02E-25	-0.22111	0.092	0.325	1.35E-20	CSCL	STX4
ZC3H13.2	9.56E-25	-0.11181	0.103	0.346	1.43E-20	CSCL	ZC3H13
MID1IP1.1	9.64E-25	-0.32726	0.063	0.272	1.44E-20	CSCL	MID1IP1
PLGRKT.1	9.64E-25	-0.18812	0.065	0.278	1.44E-20	CSCL	PLGRKT
PTPN18.2	1.01E-24	-0.34267	0.033	0.22	1.51E-20	CSCL	PTPN18
AKIP1.1	1.02E-24	-0.20684	0.077	0.297	1.52E-20	CSCL	AKIP1
TNFSF13B.1	1.03E-24	-0.51997	0.03	0.212	1.54E-20	CSCL	TNFSF13B
SCYL1.1	1.05E-24	-0.25578	0.042	0.236	1.57E-20	CSCL	SCYL1
IST1.1	1.09E-24	-0.28853	0.061	0.27	1.63E-20	CSCL	IST1
FCGR1B.2	1.12E-24	-0.70809	0.007	0.171	1.67E-20	CSCL	FCGR1B
FAM204A.2	1.16E-24	-0.22348	0.059	0.267	1.74E-20	CSCL	FAM204A
C9orf16.2	1.17E-24	-0.12301	0.246	0.599	1.75E-20	CSCL	C9orf16
UNC119.2	1.18E-24	-0.2744	0.037	0.226	1.76E-20	CSCL	UNC119
CLN8.2	1.18E-24	-0.33399	0.068	0.279	1.77E-20	CSCL	CLN8
KRT10.1	1.18E-24	-0.10158	0.23	0.575	1.77E-20	CSCL	KRT10
PLSCR1.2	1.19E-24	-0.22854	0.12	0.371	1.78E-20	CSCL	PLSCR1
TUBA1B.1	1.27E-24	0.260814	0.735	0.904	1.90E-20	CSCL	TUBA1B
SLC25A33.1	1.27E-24	-0.18058	0.037	0.227	1.90E-20	CSCL	SLC25A33
MYH9.2	1.30E-24	-0.42262	0.021	0.197	1.94E-20	CSCL	MYH9
KRAS.2	1.31E-24	-0.18095	0.058	0.264	1.96E-20	CSCL	KRAS
SEPT6.2	1.36E-24	-0.4588	0.009	0.174	2.04E-20	CSCL	6-Sep
YTHDC1.2	1.40E-24	-0.13112	0.086	0.313	2.09E-20	CSCL	YTHDC1
COX5B.2	1.42E-24	0.323184	0.696	0.856	2.12E-20	CSCL	COX5B
AXL.2	1.43E-24	-0.60306	0.017	0.189	2.14E-20	CSCL	AXL
CTD-2336C	1.48E-24	-0.22864	0.04	0.233	2.22E-20	CSCL	CTD-233602.1
NBL1.2	1.51E-24	-0.38936	0.016	0.187	2.26E-20	CSCL	NBL1
ENG.2	1.52E-24	-0.57684	0.009	0.173	2.27E-20	CSCL	ENG
DAZAP2.1	1.53E-24	-0.10512	0.223	0.552	2.28E-20	CSCL	DAZAP2
GNB4.2	1.59E-24	-0.18505	0.045	0.242	2.37E-20	CSCL	GNB4
MAP2K1.2	1.60E-24	-0.19767	0.066	0.279	2.39E-20	CSCL	MAP2K1
ANKRD11.2	1.60E-24	-0.13814	0.094	0.327	2.39E-20	CSCL	ANKRD11
PIM3.2	1.62E-24	-0.40002	0.023	0.199	2.42E-20	CSCL	PIM3
PPM1A.2	1.76E-24	-0.33441	0.017	0.19	2.63E-20	CSCL	PPM1A
RAP2B.2	1.83E-24	-0.41815	0.009	0.173	2.73E-20	CSCL	RAP2B
TSTA3.1	1.84E-24	-0.14177	0.066	0.28	2.74E-20	CSCL	TSTA3
RNF11.2	1.87E-24	-0.10357	0.089	0.319	2.80E-20	CSCL	RNF11
PCBD1	1.88E-24	-0.13067	0.103	0.342	2.80E-20	CSCL	PCBD1

LSP1. 2	1. 92E-24	-0. 71382	0. 01	0. 174	2. 87E-20 CSCL	LSP1
JUND. 2	2. 09E-24	-0. 18765	0. 147	0. 412	3. 12E-20 CSCL	JUND
KHSRP. 2	2. 12E-24	-0. 17613	0. 049	0. 248	3. 17E-20 CSCL	KHSRP
SRGAP2. 2	2. 14E-24	-0. 30493	0. 047	0. 242	3. 19E-20 CSCL	SRGAP2
CYB5R3. 1	2. 19E-24	-0. 13372	0. 12	0. 373	3. 27E-20 CSCL	CYB5R3
DNTTIP2. 1	2. 22E-24	-0. 22344	0. 079	0. 297	3. 31E-20 CSCL	DNTTIP2
DNAJC5. 2	2. 26E-24	-0. 30547	0. 035	0. 221	3. 38E-20 CSCL	DNAJC5
ETV5. 2	2. 26E-24	-0. 18707	0. 061	0. 269	3. 38E-20 CSCL	ETV5
A1BG. 1	2. 46E-24	-0. 20034	0. 084	0. 31	3. 68E-20 CSCL	A1BG
PSMA2. 2	2. 46E-24	0. 554617	0. 159	0. 056	3. 68E-20 CSCL	PSMA2
STX5. 1	2. 49E-24	-0. 18639	0. 068	0. 279	3. 73E-20 CSCL	STX5
OGFOD3. 2	2. 54E-24	-0. 22976	0. 04	0. 231	3. 79E-20 CSCL	OGFOD3
RNASE2. 2	2. 57E-24	-0. 71872	0. 005	0. 165	3. 84E-20 CSCL	RNASE2
EBAG9. 1	2. 67E-24	-0. 19296	0. 058	0. 262	3. 99E-20 CSCL	EBAG9
RAB6A. 1	2. 67E-24	-0. 12291	0. 14	0. 407	4. 00E-20 CSCL	RAB6A
SFPQ. 2	2. 68E-24	-0. 13549	0. 225	0. 558	4. 00E-20 CSCL	SFPQ
CHD4. 2	2. 74E-24	-0. 14963	0. 098	0. 334	4. 09E-20 CSCL	CHD4
RNFT1. 2	2. 74E-24	-0. 308	0. 03	0. 211	4. 10E-20 CSCL	RNFT1
MPZL1. 2	3. 16E-24	-0. 21634	0. 056	0. 258	4. 72E-20 CSCL	MPZL1
REEP4. 2	3. 19E-24	-0. 42426	0. 01	0. 175	4. 76E-20 CSCL	REEP4
PHF20L1. 2	3. 20E-24	-0. 13997	0. 089	0. 319	4. 78E-20 CSCL	PHF20L1
FUCA2. 2	3. 21E-24	-0. 20939	0. 052	0. 253	4. 80E-20 CSCL	FUCA2
PARVB. 2	3. 44E-24	-0. 37509	0. 009	0. 172	5. 14E-20 CSCL	PARVB
CDK2AP2. 1	3. 46E-24	-0. 10966	0. 101	0. 341	5. 17E-20 CSCL	CDK2AP2
GTF2B. 1	3. 47E-24	-0. 22129	0. 086	0. 311	5. 18E-20 CSCL	GTF2B
WBP11. 1	3. 62E-24	-0. 13436	0. 08	0. 302	5. 41E-20 CSCL	WBP11
SAR1A. 2	3. 63E-24	-0. 18369	0. 086	0. 309	5. 43E-20 CSCL	SAR1A
COPB2. 2	3. 64E-24	-0. 11415	0. 089	0. 317	5. 44E-20 CSCL	COPB2
CHMP1A. 1	3. 66E-24	-0. 1438	0. 07	0. 284	5. 47E-20 CSCL	CHMP1A
GIMAP4. 2	3. 76E-24	-0. 69992	0. 002	0. 157	5. 61E-20 CSCL	GIMAP4
BOD1. 1	3. 88E-24	-0. 14836	0. 087	0. 314	5. 81E-20 CSCL	BOD1
ZFHX3. 2	4. 12E-24	-0. 33121	0. 026	0. 204	6. 15E-20 CSCL	ZFHX3
PRPSAP1. 2	4. 18E-24	-0. 13662	0. 089	0. 317	6. 24E-20 CSCL	PRPSAP1
FAM134A. 2	4. 27E-24	-0. 17486	0. 086	0. 309	6. 38E-20 CSCL	FAM134A
DYNLT3. 1	4. 33E-24	-0. 13696	0. 082	0. 305	6. 47E-20 CSCL	DYNLT3
CFD. 2	4. 45E-24	-0. 63861	0. 005	0. 164	6. 64E-20 CSCL	CFD
UBN1. 2	4. 47E-24	-0. 32356	0. 01	0. 174	6. 68E-20 CSCL	UBN1
GNPTG. 2	4. 57E-24	-0. 16365	0. 061	0. 268	6. 82E-20 CSCL	GNPTG
REEP3. 2	4. 63E-24	-0. 17738	0. 054	0. 254	6. 92E-20 CSCL	REEP3
ARID5B. 2	4. 66E-24	-0. 14405	0. 12	0. 367	6. 96E-20 CSCL	ARID5B
UBE2M. 2	4. 73E-24	-0. 15686	0. 045	0. 24	7. 07E-20 CSCL	UBE2M
RTCA. 1	4. 90E-24	-0. 14355	0. 068	0. 28	7. 32E-20 CSCL	RTCA
NBPF1. 2	5. 01E-24	-0. 16515	0. 049	0. 245	7. 49E-20 CSCL	NBPF1
ABI1. 2	5. 02E-24	-0. 24192	0. 052	0. 25	7. 50E-20 CSCL	ABI1
TOLLIP. 1	5. 05E-24	-0. 18153	0. 066	0. 276	7. 54E-20 CSCL	TOLLIP
SERPINF1. 1	5. 05E-24	-0. 52544	0. 045	0. 233	7. 55E-20 CSCL	SERPINF1
CIR1. 1	5. 22E-24	-0. 14612	0. 103	0. 341	7. 79E-20 CSCL	CIR1
PJA2. 1	5. 27E-24	-0. 11067	0. 106	0. 347	7. 88E-20 CSCL	PJA2
WDR46. 1	5. 31E-24	-0. 21731	0. 049	0. 245	7. 93E-20 CSCL	WDR46
SMIM19. 1	5. 38E-24	-0. 12777	0. 099	0. 335	8. 04E-20 CSCL	SMIM19
AIP	5. 90E-24	-0. 13143	0. 089	0. 315	8. 82E-20 CSCL	AIP

TM6SF1.2	5.99E-24	-0.68162	0.007	0.166	8.96E-20	CSCL	TM6SF1
PHF20.1	6.13E-24	-0.1333	0.098	0.332	9.17E-20	CSCL	PHF20
ROB01.2	6.35E-24	-0.33434	0.017	0.186	9.48E-20	CSCL	ROB01
CRYAB.2	6.36E-24	0.613515	0.56	0.496	9.51E-20	CSCL	CRYAB
CAMK1.1	6.55E-24	-0.19225	0.044	0.235	9.79E-20	CSCL	CAMK1
KLF4.2	6.69E-24	-0.52556	0.035	0.215	1.00E-19	CSCL	KLF4
PTTG1.2	6.73E-24	-0.304	0.047	0.24	1.01E-19	CSCL	PTTG1
GTF2E2.2	6.74E-24	-0.28591	0.023	0.196	1.01E-19	CSCL	GTF2E2
ADPRHL2.1	6.86E-24	-0.16578	0.065	0.271	1.02E-19	CSCL	ADPRHL2
CD4.2	6.92E-24	-0.61358	0.005	0.163	1.03E-19	CSCL	CD4
GGA1.2	6.92E-24	-0.24465	0.082	0.3	1.03E-19	CSCL	GGA1
BSG.2	7.27E-24	0.433635	0.635	0.747	1.09E-19	CSCL	BSG
HYAL2.2	7.29E-24	-0.20568	0.042	0.232	1.09E-19	CSCL	HYAL2
SF3A3.1	7.36E-24	-0.14622	0.079	0.296	1.10E-19	CSCL	SF3A3
ABHD17A.2	7.55E-24	-0.15921	0.049	0.245	1.13E-19	CSCL	ABHD17A
BHLHE41.2	7.58E-24	-0.40135	0.035	0.217	1.13E-19	CSCL	BHLHE41
NUBP1.1	7.83E-24	-0.32873	0.04	0.227	1.17E-19	CSCL	NUBP1
BHLHE40.1	7.92E-24	-0.32365	0.026	0.202	1.18E-19	CSCL	BHLHE40
AC010642.1	7.94E-24	-0.18604	0.042	0.232	1.19E-19	CSCL	AC010642.1
DTYMK.1	8.19E-24	-0.10355	0.103	0.341	1.22E-19	CSCL	DTYMK
TEN1.2	8.38E-24	-0.26104	0.017	0.186	1.25E-19	CSCL	TEN1
JMJD1C.2	8.44E-24	-0.20067	0.108	0.346	1.26E-19	CSCL	JMJD1C
SLC2A5.2	8.76E-24	-0.68325	0.014	0.178	1.31E-19	CSCL	SLC2A5
NMT1.1	8.90E-24	-0.18463	0.068	0.278	1.33E-19	CSCL	NMT1
DYNLL2.2	8.91E-24	-0.24305	0.033	0.215	1.33E-19	CSCL	DYNLL2
TMEM109.2	8.96E-24	-0.40155	0.033	0.213	1.34E-19	CSCL	TMEM109
CERS2.1	9.19E-24	-0.1827	0.047	0.241	1.37E-19	CSCL	CERS2
PBRM1.1	1.02E-23	-0.22984	0.052	0.249	1.52E-19	CSCL	PBRM1
LPCAT2.2	1.02E-23	-0.57993	0.002	0.155	1.53E-19	CSCL	LPCAT2
MAPK1.2	1.03E-23	-0.22983	0.054	0.252	1.53E-19	CSCL	MAPK1
GORASP2.1	1.05E-23	-0.12269	0.082	0.303	1.56E-19	CSCL	GORASP2
C19orf43.1	1.07E-23	-0.10709	0.297	0.692	1.60E-19	CSCL	C19orf43
BCLAF1.2	1.08E-23	-0.16216	0.138	0.398	1.62E-19	CSCL	BCLAF1
MAP1LC3A.1	1.14E-23	-0.11302	0.124	0.377	1.70E-19	CSCL	MAP1LC3A
HSPA4.1	1.14E-23	-0.1277	0.073	0.286	1.70E-19	CSCL	HSPA4
TSPAN14.2	1.14E-23	-0.36987	0.038	0.221	1.70E-19	CSCL	TSPAN14
TNIP1.1	1.14E-23	-0.24897	0.035	0.217	1.70E-19	CSCL	TNIP1
KATNBL1.2	1.15E-23	-0.19906	0.059	0.261	1.72E-19	CSCL	KATNBL1
BAZ1A.2	1.16E-23	-0.1699	0.099	0.331	1.74E-19	CSCL	BAZ1A
TMBIM1.1	1.18E-23	-0.281	0.056	0.254	1.76E-19	CSCL	TMBIM1
NUDT16.2	1.18E-23	-0.30151	0.042	0.228	1.76E-19	CSCL	NUDT16
APBB1IP.2	1.32E-23	-0.57708	0.007	0.164	1.97E-19	CSCL	APBB1IP
PLD3.1	1.34E-23	-0.10629	0.22	0.545	2.00E-19	CSCL	PLD3
HAMP.2	1.35E-23	-0.80578	0.01	0.168	2.02E-19	CSCL	HAMP
LSM4.1	1.36E-23	-0.11184	0.239	0.577	2.04E-19	CSCL	LSM4
STOM.1	1.39E-23	-0.35188	0.061	0.261	2.08E-19	CSCL	STOM
TBL1XR1.2	1.41E-23	-0.19508	0.058	0.258	2.10E-19	CSCL	TBL1XR1
CENPV.2	1.42E-23	-0.32947	0.063	0.265	2.13E-19	CSCL	CENPV
IGSF6.2	1.43E-23	-0.64656	0.005	0.161	2.14E-19	CSCL	IGSF6
UBE2D3.1	1.43E-23	-0.18559	0.335	0.748	2.14E-19	CSCL	UBE2D3
TUBG1.1	1.46E-23	-0.12692	0.049	0.243	2.18E-19	CSCL	TUBG1

TRAP1.1	1.47E-23	-0.12766	0.063	0.268	2.19E-19	CSCL	TRAP1
SLC25A36	1.51E-23	-0.15588	0.07	0.279	2.26E-19	CSCL	SLC25A36
NECAP2.1	1.51E-23	-0.15692	0.084	0.302	2.26E-19	CSCL	NECAP2
RNF139.2	1.53E-23	-0.23184	0.063	0.265	2.29E-19	CSCL	RNF139
SUN2.2	1.54E-23	-0.36145	0.042	0.228	2.31E-19	CSCL	SUN2
COQ2.2	1.62E-23	-0.30481	0.019	0.188	2.42E-19	CSCL	COQ2
ZFP36L2.2	1.65E-23	-0.20487	0.223	0.531	2.47E-19	CSCL	ZFP36L2
TINF2.1	1.76E-23	-0.15877	0.058	0.258	2.63E-19	CSCL	TINF2
CMC2	1.78E-23	-0.11347	0.091	0.316	2.66E-19	CSCL	CMC2
RNASEH1.1	1.86E-23	-0.2182	0.047	0.238	2.78E-19	CSCL	RNASEH1
EVI2A.2	1.87E-23	-0.52692	0.045	0.232	2.80E-19	CSCL	EVI2A
STRADB	1.89E-23	-0.1666	0.042	0.229	2.83E-19	CSCL	STRADB
CSF3R.2	1.95E-23	-0.64151	0.005	0.16	2.91E-19	CSCL	CSF3R
STK17A.2	2.09E-23	-0.11103	0.084	0.304	3.13E-19	CSCL	STK17A
SORT1.2	2.10E-23	-0.14367	0.047	0.239	3.14E-19	CSCL	SORT1
NCF4.2	2.10E-23	-0.6666	0.002	0.153	3.14E-19	CSCL	NCF4
AFF4.2	2.12E-23	-0.18516	0.113	0.352	3.17E-19	CSCL	AFF4
ATF5.2	2.19E-23	-0.37815	0.028	0.202	3.27E-19	CSCL	ATF5
TFPT.2	2.23E-23	-0.12437	0.092	0.319	3.33E-19	CSCL	TFPT
PILRA.2	2.25E-23	-0.64682	0.012	0.173	3.37E-19	CSCL	PILRA
PSIP1.2	2.28E-23	-0.13393	0.14	0.396	3.41E-19	CSCL	PSIP1
GAS6.2	2.30E-23	-0.39154	0.035	0.213	3.44E-19	CSCL	GAS6
ERICH1.2	2.34E-23	-0.19783	0.073	0.283	3.49E-19	CSCL	ERICH1
PPIL3.1	2.38E-23	-0.25108	0.038	0.222	3.55E-19	CSCL	PPIL3
SNX27.2	2.40E-23	-0.14647	0.056	0.254	3.58E-19	CSCL	SNX27
RAF1.2	2.60E-23	-0.1792	0.075	0.287	3.89E-19	CSCL	RAF1
PRNP.1	2.65E-23	-0.101	0.185	0.48	3.96E-19	CSCL	PRNP
CECR5.2	2.70E-23	-0.21239	0.061	0.261	4.04E-19	CSCL	CECR5
TXNRD1.1	2.75E-23	-0.18512	0.052	0.247	4.11E-19	CSCL	TXNRD1
SMC3.1	2.77E-23	-0.15919	0.08	0.296	4.14E-19	CSCL	SMC3
MYO1F.2	2.84E-23	-0.46698	0.023	0.192	4.24E-19	CSCL	MYO1F
KLC1.2	3.00E-23	-0.11174	0.124	0.372	4.48E-19	CSCL	KLC1
HSPA1A.2	3.01E-23	-0.1761	0.209	0.506	4.50E-19	CSCL	HSPA1A
CD69.2	3.11E-23	-0.76046	0.007	0.161	4.65E-19	CSCL	CD69
ORAI2.1	3.22E-23	-0.18849	0.075	0.287	4.81E-19	CSCL	ORAI2
OXLD1.1	3.29E-23	-0.15283	0.061	0.262	4.91E-19	CSCL	OXLD1
HPRT1.2	3.34E-23	-0.27794	0.049	0.24	4.98E-19	CSCL	HPRT1
TMEM189.2	3.36E-23	-0.25942	0.024	0.195	5.02E-19	CSCL	TMEM189
ARID4B.2	3.36E-23	-0.11121	0.15	0.419	5.03E-19	CSCL	ARID4B
NDN.2	3.48E-23	-0.18025	0.03	0.205	5.19E-19	CSCL	NDN
AZI2.1	3.68E-23	-0.20948	0.092	0.312	5.50E-19	CSCL	AZI2
CCNC	3.72E-23	-0.12563	0.087	0.306	5.56E-19	CSCL	CCNC
HLA-DPA1.	3.78E-23	-0.3661	0.257	0.547	5.65E-19	CSCL	HLA-DPA1
HLA-DRB1.	3.85E-23	-0.41791	0.265	0.547	5.76E-19	CSCL	HLA-DRB1
MYO9B.2	3.89E-23	-0.217	0.072	0.279	5.81E-19	CSCL	MYO9B
ACTN1.2	3.99E-23	-0.1979	0.063	0.265	5.96E-19	CSCL	ACTN1
GFER.2	4.12E-23	-0.20502	0.037	0.218	6.15E-19	CSCL	GFER
ADAR.1	4.20E-23	-0.11149	0.094	0.318	6.28E-19	CSCL	ADAR
SMPD1.1	4.21E-23	-0.20903	0.052	0.246	6.30E-19	CSCL	SMPD1
IL6ST.2	4.37E-23	-0.1822	0.063	0.264	6.53E-19	CSCL	IL6ST
PREX1.2	4.46E-23	-0.17157	0.042	0.227	6.67E-19	CSCL	PREX1

TTYH3. 2	4. 48E-23	-0. 23485	0. 059	0. 257	6. 70E-19 CSCL	TTYH3
MAT2A. 1	4. 70E-23	-0. 11597	0. 138	0. 396	7. 03E-19 CSCL	MAT2A
UBAC1. 2	4. 71E-23	-0. 17716	0. 042	0. 227	7. 04E-19 CSCL	UBAC1
UBE2Q2. 2	4. 74E-23	-0. 23436	0. 035	0. 214	7. 09E-19 CSCL	UBE2Q2
LMBRD1. 1	4. 78E-23	-0. 31696	0. 042	0. 225	7. 14E-19 CSCL	LMBRD1
COLGALT1. 4	8. 5E-23	-0. 27607	0. 028	0. 2	7. 26E-19 CSCL	COLGALT1
KIAA1143	4. 95E-23	-0. 22405	0. 038	0. 219	7. 40E-19 CSCL	KIAA1143
TAF15. 1	5. 03E-23	-0. 13063	0. 073	0. 284	7. 51E-19 CSCL	TAF15
PHC2. 2	5. 24E-23	-0. 18374	0. 077	0. 287	7. 83E-19 CSCL	PHC2
C22orf39.	5. 29E-23	-0. 12151	0. 066	0. 269	7. 90E-19 CSCL	C22orf39
DNAJB2. 1	5. 38E-23	-0. 10357	0. 098	0. 325	8. 04E-19 CSCL	DNAJB2
AZIN1. 1	5. 50E-23	-0. 1004	0. 106	0. 341	8. 22E-19 CSCL	AZIN1
VAT1. 1	5. 53E-23	-0. 26247	0. 033	0. 21	8. 26E-19 CSCL	VAT1
BUB3. 1	5. 75E-23	-0. 2055	0. 096	0. 318	8. 59E-19 CSCL	BUB3
SIGLEC10.	6. 35E-23	-0. 57522	0. 012	0. 17	9. 49E-19 CSCL	SIGLEC10
DAPK3. 1	6. 69E-23	-0. 14401	0. 054	0. 248	9. 99E-19 CSCL	DAPK3
SPRED1. 2	6. 75E-23	-0. 2531	0. 033	0. 21	1. 01E-18 CSCL	SPRED1
HDAC3. 1	6. 85E-23	-0. 11261	0. 068	0. 273	1. 02E-18 CSCL	HDAC3
RAB22A. 2	7. 20E-23	-0. 12904	0. 054	0. 248	1. 08E-18 CSCL	RAB22A
CTDSP1. 2	7. 70E-23	-0. 25227	0. 045	0. 231	1. 15E-18 CSCL	CTDSP1
PTPN2. 1	7. 71E-23	-0. 27969	0. 061	0. 258	1. 15E-18 CSCL	PTPN2
PROSC. 1	7. 86E-23	-0. 15975	0. 063	0. 261	1. 17E-18 CSCL	PROSC
DHRS4L2	8. 05E-23	-0. 20149	0. 068	0. 272	1. 20E-18 CSCL	DHRS4L2
JKAMP. 2	8. 14E-23	-0. 19866	0. 091	0. 31	1. 22E-18 CSCL	JKAMP
RUNX1. 2	8. 38E-23	-0. 33503	0. 028	0. 199	1. 25E-18 CSCL	RUNX1
APRT	9. 06E-23	-0. 10834	0. 225	0. 547	1. 35E-18 CSCL	APRT
LRRFIP2. 1	9. 28E-23	-0. 19434	0. 026	0. 196	1. 39E-18 CSCL	LRRFIP2
COPA. 2	9. 82E-23	-0. 12494	0. 098	0. 324	1. 47E-18 CSCL	COPA
UBE2G1. 2	1. 03E-22	-0. 14842	0. 066	0. 268	1. 55E-18 CSCL	UBE2G1
STAB1. 2	1. 05E-22	-0. 5888	0. 012	0. 169	1. 57E-18 CSCL	STAB1
MAP3K2. 2	1. 06E-22	-0. 25469	0. 033	0. 209	1. 59E-18 CSCL	MAP3K2
TAF11. 1	1. 08E-22	-0. 12677	0. 077	0. 287	1. 62E-18 CSCL	TAF11
EFCAB14. 2	1. 09E-22	-0. 23283	0. 035	0. 212	1. 63E-18 CSCL	EFCAB14
ATP6V1H	1. 11E-22	-0. 10623	0. 105	0. 334	1. 66E-18 CSCL	ATP6V1H
RHOQ. 2	1. 12E-22	-0. 35255	0. 012	0. 169	1. 67E-18 CSCL	RHOQ
ERBB2IP. 1	1. 14E-22	-0. 1954	0. 045	0. 23	1. 70E-18 CSCL	ERBB2IP
GMPS. 1	1. 15E-22	-0. 2587	0. 024	0. 192	1. 71E-18 CSCL	GMPS
PQLC3. 2	1. 15E-22	-0. 26895	0. 024	0. 193	1. 72E-18 CSCL	PQLC3
PRKCA. 1	1. 15E-22	-0. 29428	0. 033	0. 207	1. 73E-18 CSCL	PRKCA
VAPB. 1	1. 16E-22	-0. 18309	0. 031	0. 206	1. 73E-18 CSCL	VAPB
ANP32E. 1	1. 21E-22	-0. 11132	0. 072	0. 278	1. 81E-18 CSCL	ANP32E
GCA. 2	1. 21E-22	-0. 22152	0. 091	0. 31	1. 81E-18 CSCL	GCA
SKAP2. 1	1. 23E-22	-0. 38366	0. 077	0. 28	1. 83E-18 CSCL	SKAP2
TSSC4. 1	1. 32E-22	-0. 11281	0. 098	0. 323	1. 97E-18 CSCL	TSSC4
UBALD2. 2	1. 36E-22	-0. 17043	0. 068	0. 269	2. 03E-18 CSCL	UBALD2
SOCS3. 1	1. 36E-22	-0. 1716	0. 124	0. 36	2. 04E-18 CSCL	SOCS3
VMO1. 2	1. 37E-22	-0. 65139	0. 012	0. 167	2. 05E-18 CSCL	VMO1
FOXN3. 2	1. 39E-22	-0. 31274	0. 068	0. 265	2. 07E-18 CSCL	FOXN3
PHIP. 2	1. 41E-22	-0. 12984	0. 11	0. 343	2. 11E-18 CSCL	PHIP
MCRS1	1. 45E-22	-0. 1138	0. 073	0. 28	2. 16E-18 CSCL	MCRS1
LYN. 2	1. 46E-22	-0. 41088	0. 019	0. 182	2. 18E-18 CSCL	LYN

ZEB2. 2	1. 47E-22	-0. 245	0. 096	0. 314	2. 19E-18 CSCL	ZEB2
MTRF1L. 1	1. 48E-22	-0. 23541	0. 028	0. 198	2. 21E-18 CSCL	MTRF1L
EEA1. 1	1. 50E-22	-0. 12339	0. 059	0. 255	2. 24E-18 CSCL	EEA1
RNF166. 2	1. 50E-22	-0. 37113	0. 026	0. 193	2. 25E-18 CSCL	RNF166
CASC4. 2	1. 55E-22	-0. 18737	0. 047	0. 233	2. 31E-18 CSCL	CASC4
PLD4. 2	1. 56E-22	-0. 62807	0. 009	0. 161	2. 33E-18 CSCL	PLD4
USP22. 2	1. 56E-22	-0. 13295	0. 103	0. 33	2. 33E-18 CSCL	USP22
FUOM. 2	1. 66E-22	-0. 54909	0. 002	0. 148	2. 48E-18 CSCL	FUOM
FAM104A	1. 67E-22	-0. 13413	0. 056	0. 249	2. 49E-18 CSCL	FAM104A
SORL1. 2	1. 68E-22	-0. 43905	0. 052	0. 236	2. 51E-18 CSCL	SORL1
HOOK3. 2	1. 68E-22	-0. 12068	0. 082	0. 294	2. 52E-18 CSCL	HOOK3
ASH1L	1. 73E-22	-0. 10146	0. 098	0. 321	2. 59E-18 CSCL	ASH1L
TRMT1. 2	1. 75E-22	-0. 24159	0. 068	0. 267	2. 62E-18 CSCL	TRMT1
H2AFX. 2	1. 76E-22	-0. 24642	0. 045	0. 228	2. 63E-18 CSCL	H2AFX
DUSP1. 2	1. 81E-22	-0. 1994	0. 271	0. 59	2. 70E-18 CSCL	DUSP1
UBE2W. 1	1. 85E-22	-0. 27537	0. 042	0. 222	2. 77E-18 CSCL	UBE2W
ZNF511. 2	1. 86E-22	-0. 20336	0. 031	0. 204	2. 79E-18 CSCL	ZNF511
HSF1. 1	1. 92E-22	-0. 13747	0. 079	0. 288	2. 87E-18 CSCL	HSF1
POLE4. 1	1. 96E-22	-0. 16396	0. 084	0. 295	2. 93E-18 CSCL	POLE4
TXNDC9	2. 08E-22	-0. 1162	0. 068	0. 27	3. 11E-18 CSCL	TXNDC9
WSB2. 2	2. 11E-22	-0. 1383	0. 047	0. 233	3. 15E-18 CSCL	WSB2
RIT1. 1	2. 13E-22	-0. 17997	0. 042	0. 223	3. 18E-18 CSCL	RIT1
PLA2G16. 2	2. 20E-22	-0. 17894	0. 159	0. 417	3. 29E-18 CSCL	PLA2G16
CCDC106. 2	2. 20E-22	-0. 15744	0. 052	0. 241	3. 29E-18 CSCL	CCDC106
HTATIP2. 2	2. 24E-22	-0. 44192	0. 005	0. 154	3. 35E-18 CSCL	HTATIP2
SERPINB9.	2. 25E-22	-0. 56997	0. 005	0. 154	3. 36E-18 CSCL	SERPINB9
U2AF2. 1	2. 38E-22	-0. 18028	0. 068	0. 267	3. 55E-18 CSCL	U2AF2
DAZAP1. 2	2. 39E-22	-0. 14797	0. 052	0. 241	3. 57E-18 CSCL	DAZAP1
REPIN1. 2	2. 48E-22	-0. 14004	0. 077	0. 284	3. 71E-18 CSCL	REPIN1
MSRB2. 2	2. 53E-22	-0. 17624	0. 066	0. 264	3. 78E-18 CSCL	MSRB2
STX6. 2	2. 56E-22	-0. 27426	0. 033	0. 206	3. 82E-18 CSCL	STX6
A2M. 2	2. 61E-22	-0. 15709	0. 19	0. 478	3. 90E-18 CSCL	A2M
SNX4. 1	2. 65E-22	-0. 15763	0. 063	0. 259	3. 96E-18 CSCL	SNX4
CHP1. 2	2. 65E-22	-0. 15851	0. 054	0. 244	3. 96E-18 CSCL	CHP1
ATP6V1C1	2. 66E-22	-0. 22847	0. 059	0. 253	3. 98E-18 CSCL	ATP6V1C1
CHST11. 2	2. 78E-22	-0. 25985	0. 042	0. 221	4. 16E-18 CSCL	CHST11
EPHX1. 1	2. 81E-22	-0. 26922	0. 054	0. 241	4. 20E-18 CSCL	EPHX1
TMF1. 1	2. 81E-22	-0. 21273	0. 045	0. 228	4. 20E-18 CSCL	TMF1
SART1. 2	2. 88E-22	-0. 16975	0. 033	0. 206	4. 30E-18 CSCL	SART1
SRPRB. 1	2. 90E-22	-0. 16974	0. 066	0. 265	4. 33E-18 CSCL	SRPRB
CGGBP1. 1	3. 04E-22	-0. 14643	0. 075	0. 279	4. 54E-18 CSCL	CGGBP1
IER2. 2	3. 10E-22	-0. 12121	0. 277	0. 632	4. 63E-18 CSCL	IER2
TFDP1. 2	3. 16E-22	-0. 16547	0. 03	0. 2	4. 73E-18 CSCL	TFDP1
PRR7. 2	3. 17E-22	-0. 25393	0. 028	0. 196	4. 73E-18 CSCL	PRR7
SLC35F6. 2	3. 19E-22	-0. 24112	0. 04	0. 218	4. 77E-18 CSCL	SLC35F6
ELOVL1. 2	3. 29E-22	-0. 22567	0. 052	0. 24	4. 92E-18 CSCL	ELOVL1
C2orf69. 2	3. 31E-22	-0. 23269	0. 031	0. 202	4. 94E-18 CSCL	C2orf69
GPR108. 1	3. 34E-22	-0. 15299	0. 073	0. 275	4. 99E-18 CSCL	GPR108
CDKN1B. 2	3. 39E-22	-0. 20761	0. 07	0. 269	5. 07E-18 CSCL	CDKN1B
CKS1B	3. 42E-22	-0. 15399	0. 068	0. 269	5. 10E-18 CSCL	CKS1B
NAGA. 2	3. 42E-22	-0. 35661	0. 026	0. 193	5. 11E-18 CSCL	NAGA

VPS37B. 2	3. 45E-22	-0. 19082	0. 066	0. 264	5. 16E-18 CSCL	VPS37B
PITPNA. 2	3. 46E-22	-0. 23342	0. 024	0. 19	5. 17E-18 CSCL	PITPNA
FOSL2. 2	3. 56E-22	-0. 35463	0. 028	0. 194	5. 32E-18 CSCL	FOSL2
NUDT22. 1	3. 65E-22	-0. 11141	0. 075	0. 28	5. 45E-18 CSCL	NUDT22
CCNL2	3. 74E-22	-0. 13897	0. 087	0. 301	5. 60E-18 CSCL	CCNL2
TMEM60. 2	3. 76E-22	-0. 20324	0. 063	0. 257	5. 62E-18 CSCL	TMEM60
B4GALT7. 2	3. 80E-22	-0. 20043	0. 04	0. 218	5. 68E-18 CSCL	B4GALT7
TMEM30A. 2	3. 96E-22	-0. 1381	0. 113	0. 345	5. 91E-18 CSCL	TMEM30A
RSBN1. 1	3. 98E-22	-0. 27298	0. 045	0. 226	5. 95E-18 CSCL	RSBN1
SCIN. 2	3. 98E-22	-0. 69434	0. 009	0. 158	5. 95E-18 CSCL	SCIN
LYSMD2. 2	4. 15E-22	-0. 21818	0. 031	0. 201	6. 19E-18 CSCL	LYSMD2
GNPMB. 2	4. 25E-22	-0. 50144	0. 037	0. 209	6. 35E-18 CSCL	GNPMB
TSPAN4	4. 42E-22	-0. 32175	0. 024	0. 189	6. 60E-18 CSCL	TSPAN4
MTFR1L. 1	4. 50E-22	-0. 13036	0. 087	0. 301	6. 72E-18 CSCL	MTFR1L
GLG1. 2	4. 51E-22	-0. 12302	0. 073	0. 276	6. 75E-18 CSCL	GLG1
MAP1S. 1	4. 57E-22	-0. 28029	0. 019	0. 179	6. 83E-18 CSCL	MAP1S
SIAH2. 2	4. 58E-22	-0. 27418	0. 042	0. 219	6. 85E-18 CSCL	SIAH2
HIST1H2BK	4. 62E-22	-0. 2342	0. 04	0. 217	6. 91E-18 CSCL	HIST1H2BK
LHFPL2. 2	5. 23E-22	-0. 4139	0. 014	0. 168	7. 82E-18 CSCL	LHFPL2
BRWD1. 2	5. 28E-22	-0. 17854	0. 059	0. 251	7. 89E-18 CSCL	BRWD1
FBXL15. 2	5. 43E-22	-0. 2591	0. 033	0. 204	8. 12E-18 CSCL	FBXL15
CYB5R4. 2	5. 68E-22	-0. 3262	0. 023	0. 184	8. 48E-18 CSCL	CYB5R4
DDX19B	5. 68E-22	-0. 27008	0. 037	0. 21	8. 49E-18 CSCL	DDX19B
SLC4A7. 2	5. 69E-22	-0. 232	0. 044	0. 223	8. 50E-18 CSCL	SLC4A7
ENTPD1. 2	5. 72E-22	-0. 55692	0. 016	0. 17	8. 55E-18 CSCL	ENTPD1
SF3A2. 1	5. 76E-22	-0. 19346	0. 07	0. 269	8. 61E-18 CSCL	SF3A2
KIF2A. 2	5. 92E-22	-0. 16516	0. 056	0. 244	8. 85E-18 CSCL	KIF2A
SPECC1. 2	5. 93E-22	-0. 14474	0. 091	0. 306	8. 85E-18 CSCL	SPECC1
KLHDC2. 1	6. 01E-22	-0. 10033	0. 094	0. 313	8. 97E-18 CSCL	KLHDC2
DPH3. 1	6. 02E-22	-0. 26154	0. 044	0. 222	9. 00E-18 CSCL	DPH3
ARID1A. 2	6. 17E-22	-0. 15156	0. 059	0. 251	9. 22E-18 CSCL	ARID1A
PANK2. 2	6. 20E-22	-0. 16705	0. 04	0. 217	9. 26E-18 CSCL	PANK2
SBNO1. 1	6. 23E-22	-0. 1446	0. 073	0. 275	9. 31E-18 CSCL	SBNO1
KLHL5. 2	6. 26E-22	-0. 28573	0. 019	0. 178	9. 35E-18 CSCL	KLHL5
ABHD3. 2	6. 56E-22	-0. 30656	0. 026	0. 19	9. 80E-18 CSCL	ABHD3
ABCA1. 1	6. 59E-22	-0. 28995	0. 059	0. 248	9. 84E-18 CSCL	ABCA1
ATP5E. 1	6. 66E-22	0. 246896	0. 729	0. 923	9. 95E-18 CSCL	ATP5E
ENC1. 2	6. 80E-22	-0. 29228	0. 051	0. 233	1. 02E-17 CSCL	ENC1
C1orf52. 2	7. 09E-22	-0. 1148	0. 098	0. 317	1. 06E-17 CSCL	C1orf52
RBMS1. 2	7. 51E-22	-0. 15119	0. 065	0. 26	1. 12E-17 CSCL	RBMS1
TGFBR1. 2	7. 60E-22	-0. 42727	0. 016	0. 169	1. 14E-17 CSCL	TGFBR1
MBD4. 1	7. 86E-22	-0. 16988	0. 073	0. 273	1. 17E-17 CSCL	MBD4
FABP7. 1	8. 04E-22	0. 775365	0. 461	0. 379	1. 20E-17 CSCL	FABP7
MTX2	8. 07E-22	-0. 10455	0. 106	0. 332	1. 21E-17 CSCL	MTX2
ITSN2. 2	8. 21E-22	-0. 28184	0. 026	0. 189	1. 23E-17 CSCL	ITSN2
CEP350. 1	8. 32E-22	-0. 15762	0. 031	0. 201	1. 24E-17 CSCL	CEP350
FAM207A. 1	8. 37E-22	-0. 16078	0. 038	0. 213	1. 25E-17 CSCL	FAM207A
TMEM134. 2	8. 39E-22	-0. 11202	0. 099	0. 32	1. 25E-17 CSCL	TMEM134
CCNI. 2	8. 83E-22	-0. 15358	0. 328	0. 725	1. 32E-17 CSCL	CCNI
TRIM36. 2	9. 11E-22	-0. 29039	0. 026	0. 19	1. 36E-17 CSCL	TRIM36
FAM3A	9. 42E-22	-0. 23996	0. 049	0. 23	1. 41E-17 CSCL	FAM3A



RELA. 1	9.46E-22	-0.16541	0.038	0.212	1.41E-17	CSCL	RELA
PPP4R2	9.69E-22	-0.11482	0.072	0.271	1.45E-17	CSCL	PPP4R2
ARCN1	9.73E-22	-0.25172	0.023	0.183	1.45E-17	CSCL	ARCN1
DNAJC4. 1	1.01E-21	-0.16715	0.052	0.237	1.51E-17	CSCL	DNAJC4
MIF4GD. 2	1.02E-21	-0.15105	0.066	0.261	1.52E-17	CSCL	MIF4GD
CDKN1A. 1	1.02E-21	-0.26442	0.103	0.318	1.52E-17	CSCL	CDKN1A
ARHGAP18. 1	1.03E-21	-0.42607	0.021	0.18	1.54E-17	CSCL	ARHGAP18
VPS26B. 2	1.07E-21	-0.15758	0.054	0.24	1.59E-17	CSCL	VPS26B
SLC30A9. 1	1.07E-21	-0.13641	0.066	0.261	1.59E-17	CSCL	SLC30A9
SIPA1. 2	1.09E-21	-0.43351	0.003	0.146	1.63E-17	CSCL	SIPA1
FOSB. 1	1.15E-21	-0.24501	0.157	0.404	1.72E-17	CSCL	FOSB
SIRT7. 1	1.16E-21	-0.19959	0.04	0.215	1.73E-17	CSCL	SIRT7
KDSR	1.20E-21	-0.18232	0.068	0.263	1.79E-17	CSCL	KDSR
UBLCP1	1.21E-21	-0.21044	0.035	0.206	1.81E-17	CSCL	UBLCP1
CPM. 2	1.21E-21	-0.4602	0.059	0.244	1.81E-17	CSCL	CPM
NRP1. 2	1.25E-21	-0.28841	0.017	0.173	1.87E-17	CSCL	NRP1
RABL6. 2	1.27E-21	-0.11334	0.063	0.256	1.90E-17	CSCL	RABL6
GLA. 2	1.29E-21	-0.3247	0.047	0.224	1.92E-17	CSCL	GLA
USP1. 1	1.33E-21	-0.10533	0.07	0.268	1.99E-17	CSCL	USP1
SMCHD1. 2	1.34E-21	-0.21071	0.03	0.195	2.00E-17	CSCL	SMCHD1
CAT. 1	1.38E-21	-0.20023	0.099	0.315	2.06E-17	CSCL	CAT
NIPSNAP3A	1.39E-21	-0.20385	0.037	0.208	2.08E-17	CSCL	NIPSNAP3A
ALG3	1.40E-21	-0.19146	0.056	0.241	2.09E-17	CSCL	ALG3
IL10RA. 2	1.41E-21	-0.57387	0.003	0.145	2.11E-17	CSCL	IL10RA
RARS2	1.51E-21	-0.19493	0.031	0.199	2.26E-17	CSCL	RARS2
EIF4G1. 1	1.55E-21	-0.10258	0.082	0.287	2.31E-17	CSCL	EIF4G1
TMEM199	1.55E-21	-0.10815	0.061	0.252	2.32E-17	CSCL	TMEM199
CHIC2. 1	1.63E-21	-0.1909	0.063	0.253	2.44E-17	CSCL	CHIC2
NR4A3. 2	1.65E-21	-0.5589	0.01	0.158	2.47E-17	CSCL	NR4A3
CEBPG. 1	1.68E-21	-0.19405	0.066	0.258	2.50E-17	CSCL	CEBPG
RAB4B. 2	1.70E-21	-0.11759	0.073	0.272	2.53E-17	CSCL	RAB4B
GALNT2. 1	1.75E-21	-0.18036	0.063	0.253	2.62E-17	CSCL	GALNT2
TNFSF12. 2	1.79E-21	-0.28839	0.03	0.194	2.68E-17	CSCL	TNFSF12
P2RX4. 2	1.82E-21	-0.35581	0.024	0.184	2.72E-17	CSCL	P2RX4
HNMT. 2	1.82E-21	-0.36888	0.049	0.227	2.72E-17	CSCL	HNMT
CBFB. 1	1.91E-21	-0.11351	0.056	0.242	2.85E-17	CSCL	CBFB
WIPI1. 2	1.96E-21	-0.32876	0.03	0.193	2.93E-17	CSCL	WIPI1
LINC01094	1.97E-21	-0.56274	0.012	0.161	2.95E-17	CSCL	LINC01094
GPR137. 1	2.10E-21	-0.14025	0.042	0.217	3.14E-17	CSCL	GPR137
PMEPA1. 2	2.18E-21	-0.24787	0.038	0.209	3.26E-17	CSCL	PMEPA1
TMEM128. 1	2.20E-21	-0.14435	0.091	0.302	3.29E-17	CSCL	TMEM128
SLAIN1. 2	2.38E-21	-0.30022	0.04	0.211	3.56E-17	CSCL	SLAIN1
R3HDM4. 2	2.55E-21	-0.20428	0.038	0.209	3.81E-17	CSCL	R3HDM4
SQRDL. 2	2.60E-21	-0.4586	0.016	0.168	3.88E-17	CSCL	SQRDL
ABCE1	2.78E-21	-0.13423	0.066	0.259	4.15E-17	CSCL	ABCE1
CDC42SE2. 2	2.90E-21	-0.22157	0.049	0.227	4.33E-17	CSCL	CDC42SE2
VPS4B. 2	2.92E-21	-0.10492	0.066	0.258	4.36E-17	CSCL	VPS4B
DERL1. 1	3.06E-21	-0.12065	0.105	0.323	4.58E-17	CSCL	DERL1
OSM. 2	3.11E-21	-0.67521	0.009	0.152	4.64E-17	CSCL	OSM
KIFAP3. 1	3.30E-21	-0.26287	0.04	0.211	4.92E-17	CSCL	KIFAP3
CCND3. 1	3.30E-21	-0.17462	0.073	0.269	4.93E-17	CSCL	CCND3

GRAMD1A. 2	3. 35E-21	-0. 14401	0. 082	0. 285	5. 00E-17	CSCL	GRAMD1A
GPBP1L1. 2	3. 36E-21	-0. 22634	0. 042	0. 214	5. 02E-17	CSCL	GPBP1L1
FNBP1L. 2	3. 42E-21	-0. 23042	0. 03	0. 193	5. 11E-17	CSCL	FNBP1L
CUL5. 2	3. 45E-21	-0. 13567	0. 051	0. 231	5. 15E-17	CSCL	CUL5
IER5. 2	3. 49E-21	-0. 23794	0. 04	0. 211	5. 22E-17	CSCL	IER5
LMF2. 2	3. 51E-21	-0. 28606	0. 04	0. 209	5. 25E-17	CSCL	LMF2
SLC25A19. 3	6. 1E-21	-0. 38283	0. 021	0. 176	5. 40E-17	CSCL	SLC25A19
TMED7. 1	3. 64E-21	-0. 15123	0. 08	0. 281	5. 44E-17	CSCL	TMED7
PPP2R5C. 1	3. 66E-21	-0. 11611	0. 072	0. 267	5. 46E-17	CSCL	PPP2R5C
CDC16. 1	3. 74E-21	-0. 20404	0. 037	0. 204	5. 59E-17	CSCL	CDC16
TMEM251. 1	3. 76E-21	-0. 13742	0. 063	0. 252	5. 62E-17	CSCL	TMEM251
ANXA5. 2	3. 78E-21	0. 502776	0. 621	0. 732	5. 65E-17	CSCL	ANXA5
PSMB10. 2	3. 83E-21	-0. 24211	0. 072	0. 264	5. 72E-17	CSCL	PSMB10
MT1X. 2	3. 86E-21	0. 66092	0. 576	0. 578	5. 77E-17	CSCL	MT1X
PRRC2B. 2	3. 97E-21	-0. 17255	0. 059	0. 245	5. 94E-17	CSCL	PRRC2B
CIAO1. 1	3. 99E-21	-0. 11492	0. 063	0. 252	5. 96E-17	CSCL	CIAO1
SRD5A3. 2	4. 08E-21	-0. 28155	0. 017	0. 17	6. 09E-17	CSCL	SRD5A3
PELI1. 2	4. 12E-21	-0. 38122	0. 045	0. 218	6. 16E-17	CSCL	PELI1
TOMM5. 2	4. 15E-21	-0. 1573	0. 044	0. 218	6. 20E-17	CSCL	TOMM5
ARL8B. 1	4. 19E-21	-0. 1939	0. 042	0. 214	6. 26E-17	CSCL	ARL8B
SNX9. 2	4. 26E-21	-0. 2731	0. 033	0. 197	6. 37E-17	CSCL	SNX9
FBXO9. 2	4. 37E-21	-0. 11219	0. 042	0. 215	6. 53E-17	CSCL	FBXO9
QARS. 2	4. 38E-21	-0. 13518	0. 087	0. 292	6. 55E-17	CSCL	QARS
GABARAPL1	4. 45E-21	-0. 20921	0. 098	0. 308	6. 65E-17	CSCL	GABARAPL1
ASCC2. 1	4. 72E-21	-0. 2154	0. 042	0. 214	7. 06E-17	CSCL	ASCC2
RNF19A. 2	4. 84E-21	-0. 25135	0. 04	0. 21	7. 23E-17	CSCL	RNF19A
ORC4. 1	5. 24E-21	-0. 20562	0. 059	0. 244	7. 83E-17	CSCL	ORC4
ADAM28. 2	5. 29E-21	-0. 61126	0. 007	0. 148	7. 90E-17	CSCL	ADAM28
SOAT1. 2	5. 53E-21	-0. 28716	0. 038	0. 206	8. 26E-17	CSCL	SOAT1
HES4. 2	5. 60E-21	-0. 20553	0. 031	0. 195	8. 37E-17	CSCL	HES4
HK1. 2	5. 65E-21	-0. 22625	0. 037	0. 203	8. 45E-17	CSCL	HK1
ALOX5. 2	5. 84E-21	-0. 53547	0. 005	0. 145	8. 72E-17	CSCL	ALOX5
CSTA. 2	5. 86E-21	-0. 55002	0	0. 135	8. 76E-17	CSCL	CSTA
IPO7. 2	5. 95E-21	-0. 13633	0. 045	0. 22	8. 90E-17	CSCL	IPO7
PADI2. 2	6. 01E-21	-0. 55726	0. 003	0. 142	8. 99E-17	CSCL	PADI2
IRF7. 2	6. 13E-21	-0. 34229	0. 017	0. 168	9. 16E-17	CSCL	IRF7
PLAU. 2	6. 55E-21	-0. 39622	0. 019	0. 171	9. 79E-17	CSCL	PLAU
B3GNT5. 2	6. 71E-21	-0. 39202	0. 007	0. 148	1. 00E-16	CSCL	B3GNT5
PAK1. 2	6. 72E-21	-0. 40894	0. 023	0. 177	1. 00E-16	CSCL	PAK1
HLA-B. 2	6. 84E-21	0. 322661	0. 716	0. 859	1. 02E-16	CSCL	HLA-B
AP2A2. 2	6. 92E-21	-0. 16493	0. 07	0. 261	1. 03E-16	CSCL	AP2A2
FCGR2B. 2	7. 04E-21	-0. 63434	0. 009	0. 151	1. 05E-16	CSCL	FCGR2B
SNX1. 1	7. 05E-21	-0. 2243	0. 052	0. 231	1. 05E-16	CSCL	SNX1
IMPDH1. 2	7. 18E-21	-0. 27987	0. 016	0. 165	1. 07E-16	CSCL	IMPDH1
CAMK2N1. 2	7. 34E-21	-0. 11893	0. 108	0. 327	1. 10E-16	CSCL	CAMK2N1
NPL. 2	7. 41E-21	-0. 48504	0. 042	0. 209	1. 11E-16	CSCL	NPL
CCSER2. 2	7. 43E-21	-0. 15256	0. 056	0. 237	1. 11E-16	CSCL	CCSER2
GOSR1. 1	7. 58E-21	-0. 10155	0. 079	0. 277	1. 13E-16	CSCL	GOSR1
ZNF106. 2	7. 76E-21	-0. 14257	0. 073	0. 267	1. 16E-16	CSCL	ZNF106
USP53. 2	7. 97E-21	-0. 51296	0. 007	0. 148	1. 19E-16	CSCL	USP53
DAB2. 2	8. 33E-21	-0. 53403	0. 012	0. 157	1. 24E-16	CSCL	DAB2

ABHD14B. 1	8. 37E-21	-0. 29621	0. 028	0. 187	1. 25E-16	CSCL	ABHD14B
PPP3CA. 2	8. 60E-21	-0. 12641	0. 066	0. 255	1. 28E-16	CSCL	PPP3CA
INO80E. 1	8. 74E-21	-0. 18422	0. 054	0. 234	1. 31E-16	CSCL	INO80E
SEL1L. 1	8. 78E-21	-0. 21794	0. 024	0. 181	1. 31E-16	CSCL	SEL1L
SNCA. 2	8. 87E-21	-0. 57734	0. 009	0. 151	1. 33E-16	CSCL	SNCA
CCNDBP1. 2	9. 31E-21	-0. 31045	0. 044	0. 213	1. 39E-16	CSCL	CCNDBP1
TBC1D20. 1	9. 33E-21	-0. 12253	0. 03	0. 191	1. 39E-16	CSCL	TBC1D20
CHMP6. 1	9. 70E-21	-0. 13937	0. 037	0. 203	1. 45E-16	CSCL	CHMP6
MAN1B1	1. 01E-20	-0. 13133	0. 052	0. 23	1. 51E-16	CSCL	MAN1B1
TMEM141. 2	1. 02E-20	-0. 10112	0. 07	0. 262	1. 52E-16	CSCL	TMEM141
PTGS1. 2	1. 02E-20	-0. 41265	0. 016	0. 164	1. 53E-16	CSCL	PTGS1
COQ10B. 1	1. 03E-20	-0. 14907	0. 077	0. 272	1. 53E-16	CSCL	COQ10B
ATP5G2. 1	1. 03E-20	0. 338203	0. 691	0. 878	1. 54E-16	CSCL	ATP5G2
MIS18BP1. 1	1. 03E-20	-0. 40898	0. 01	0. 154	1. 54E-16	CSCL	MIS18BP1
GCC2. 1	1. 07E-20	-0. 14559	0. 082	0. 282	1. 60E-16	CSCL	GCC2
PRADC1. 1	1. 12E-20	-0. 15991	0. 049	0. 225	1. 67E-16	CSCL	PRADC1
NUB1	1. 13E-20	-0. 15985	0. 072	0. 262	1. 69E-16	CSCL	NUB1
GPR65. 2	1. 15E-20	-0. 55474	0. 003	0. 14	1. 72E-16	CSCL	GPR65
ZBTB7A. 1	1. 18E-20	-0. 2345	0. 028	0. 186	1. 77E-16	CSCL	ZBTB7A
ARL8A. 2	1. 19E-20	-0. 10581	0. 082	0. 282	1. 77E-16	CSCL	ARL8A
CDC42SE1. 1	1. 20E-20	-0. 12169	0. 101	0. 314	1. 80E-16	CSCL	CDC42SE1
WDR43. 1	1. 20E-20	-0. 1783	0. 037	0. 202	1. 80E-16	CSCL	WDR43
SDCCAG8. 2	1. 24E-20	-0. 13399	0. 119	0. 34	1. 86E-16	CSCL	SDCCAG8
ZC3H11A. 2	1. 30E-20	-0. 20369	0. 04	0. 207	1. 94E-16	CSCL	ZC3H11A
MAX	1. 31E-20	-0. 10632	0. 096	0. 304	1. 96E-16	CSCL	MAX
UBL7	1. 34E-20	-0. 1674	0. 058	0. 239	2. 00E-16	CSCL	UBL7
SMCO4. 2	1. 34E-20	-0. 48833	0. 003	0. 139	2. 00E-16	CSCL	SMCO4
CDC27. 2	1. 35E-20	-0. 24522	0. 019	0. 17	2. 01E-16	CSCL	CDC27
DHX30. 1	1. 38E-20	-0. 1051	0. 073	0. 267	2. 07E-16	CSCL	DHX30
UHMK1. 1	1. 39E-20	-0. 15961	0. 042	0. 211	2. 07E-16	CSCL	UHMK1
TSPAN13. 2	1. 39E-20	-0. 28483	0. 103	0. 309	2. 08E-16	CSCL	TSPAN13
TRIP12. 2	1. 40E-20	-0. 20434	0. 021	0. 173	2. 10E-16	CSCL	TRIP12
AAED1. 2	1. 44E-20	-0. 25668	0. 03	0. 189	2. 15E-16	CSCL	AAED1
SNN. 2	1. 45E-20	-0. 20238	0. 056	0. 234	2. 16E-16	CSCL	SNN
ATG5	1. 51E-20	-0. 20879	0. 045	0. 217	2. 26E-16	CSCL	ATG5
RPS6KB2. 1	1. 52E-20	-0. 16111	0. 056	0. 236	2. 28E-16	CSCL	RPS6KB2
ZDHHC24. 2	1. 54E-20	-0. 12968	0. 033	0. 196	2. 29E-16	CSCL	ZDHHC24
TSSC1	1. 55E-20	-0. 12093	0. 075	0. 269	2. 32E-16	CSCL	TSSC1
TP53RK. 1	1. 55E-20	-0. 1205	0. 035	0. 199	2. 32E-16	CSCL	TP53RK
PRPF8. 2	1. 57E-20	-0. 10172	0. 073	0. 266	2. 35E-16	CSCL	PRPF8
TSPYL1. 2	1. 58E-20	-0. 1973	0. 063	0. 247	2. 36E-16	CSCL	TSPYL1
MKNK1. 2	1. 64E-20	-0. 41773	0. 024	0. 178	2. 45E-16	CSCL	MKNK1
PRKRIP1. 1	1. 65E-20	-0. 13479	0. 065	0. 25	2. 47E-16	CSCL	PRKRIP1
GUSB. 1	1. 69E-20	-0. 17057	0. 084	0. 282	2. 53E-16	CSCL	GUSB
TBRG1. 1	1. 75E-20	-0. 11856	0. 066	0. 254	2. 61E-16	CSCL	TBRG1
AIDA	1. 82E-20	-0. 11583	0. 061	0. 245	2. 72E-16	CSCL	AIDA
GNL1	1. 87E-20	-0. 13664	0. 065	0. 251	2. 80E-16	CSCL	GNL1
SPSB3. 1	2. 03E-20	-0. 12179	0. 103	0. 315	3. 03E-16	CSCL	SPSB3
GOLT1B. 2	2. 05E-20	-0. 15044	0. 063	0. 247	3. 06E-16	CSCL	GOLT1B
SLC38A2. 1	2. 08E-20	-0. 18573	0. 089	0. 289	3. 10E-16	CSCL	SLC38A2
TMEM55B. 1	2. 14E-20	-0. 22103	0. 052	0. 227	3. 20E-16	CSCL	TMEM55B

BFAR. 1	2. 17E-20	-0. 17014	0. 058	0. 237	3. 24E-16	CSCL	BFAR
CCDC137. 1	2. 19E-20	-0. 15949	0. 042	0. 21	3. 27E-16	CSCL	CCDC137
TAC01. 2	2. 22E-20	-0. 15806	0. 026	0. 182	3. 31E-16	CSCL	TAC01
TOR3A. 2	2. 37E-20	-0. 1671	0. 047	0. 219	3. 54E-16	CSCL	TOR3A
PKN2. 2	2. 39E-20	-0. 1678	0. 047	0. 219	3. 58E-16	CSCL	PKN2
GALK1. 2	2. 41E-20	-0. 17747	0. 044	0. 212	3. 60E-16	CSCL	GALK1
KPNA4. 2	2. 56E-20	-0. 17992	0. 03	0. 188	3. 83E-16	CSCL	KPNA4
RNF14. 1	2. 61E-20	-0. 20204	0. 038	0. 203	3. 90E-16	CSCL	RNF14
TBCC. 2	2. 79E-20	-0. 21791	0. 054	0. 23	4. 16E-16	CSCL	TBCC
ATPAF2. 2	2. 84E-20	-0. 13085	0. 049	0. 222	4. 25E-16	CSCL	ATPAF2
FNDC4	3. 04E-20	-0. 15828	0. 04	0. 206	4. 54E-16	CSCL	FNDC4
GLRX2. 1	3. 08E-20	-0. 27218	0. 021	0. 17	4. 61E-16	CSCL	GLRX2
COPS2. 1	3. 15E-20	-0. 17518	0. 047	0. 218	4. 70E-16	CSCL	COPS2
TMEM218. 1	3. 22E-20	-0. 17575	0. 054	0. 23	4. 82E-16	CSCL	TMEM218
ACER3. 2	3. 38E-20	-0. 26376	0. 033	0. 193	5. 05E-16	CSCL	ACER3
MTF2. 2	3. 52E-20	-0. 14603	0. 073	0. 263	5. 27E-16	CSCL	MTF2
TOB1	3. 62E-20	-0. 19109	0. 075	0. 264	5. 41E-16	CSCL	TOB1
FLNA. 2	3. 78E-20	-0. 15557	0. 072	0. 26	5. 65E-16	CSCL	FLNA
CBX3. 2	3. 85E-20	-0. 10036	0. 248	0. 569	5. 75E-16	CSCL	CBX3
DESI1. 2	3. 87E-20	-0. 24158	0. 028	0. 183	5. 79E-16	CSCL	DESI1
MAFG. 2	3. 91E-20	-0. 18311	0. 033	0. 192	5. 84E-16	CSCL	MAFG
USO1. 1	3. 92E-20	-0. 16756	0. 051	0. 224	5. 86E-16	CSCL	USO1
DCAF6. 2	3. 96E-20	-0. 2749	0. 023	0. 173	5. 92E-16	CSCL	DCAF6
OSER1	4. 15E-20	-0. 12023	0. 103	0. 312	6. 21E-16	CSCL	OSER1
LACTB. 2	4. 17E-20	-0. 27736	0. 023	0. 173	6. 24E-16	CSCL	LACTB
FGD4. 2	4. 18E-20	-0. 41646	0. 012	0. 153	6. 24E-16	CSCL	FGD4
CTBS. 1	4. 20E-20	-0. 31969	0. 017	0. 163	6. 27E-16	CSCL	CTBS
DESI2. 1	4. 27E-20	-0. 10583	0. 038	0. 202	6. 38E-16	CSCL	DESI2
CAB39. 2	4. 31E-20	-0. 24366	0. 033	0. 191	6. 43E-16	CSCL	CAB39
LCP1. 1	4. 33E-20	-0. 51773	0. 01	0. 149	6. 47E-16	CSCL	LCP1
APLP1. 2	4. 34E-20	-0. 25846	0. 14	0. 362	6. 48E-16	CSCL	APLP1
NUDT2. 2	4. 37E-20	-0. 24337	0. 028	0. 182	6. 53E-16	CSCL	NUDT2
GNS. 2	4. 52E-20	-0. 20331	0. 042	0. 207	6. 76E-16	CSCL	GNS
FNDC3A. 1	4. 71E-20	-0. 15783	0. 051	0. 223	7. 04E-16	CSCL	FNDC3A
UBQLN2. 2	4. 88E-20	-0. 18031	0. 054	0. 229	7. 29E-16	CSCL	UBQLN2
GARS. 2	4. 89E-20	-0. 13387	0. 098	0. 303	7. 31E-16	CSCL	GARS
TMEM242. 1	5. 06E-20	-0. 16256	0. 066	0. 25	7. 55E-16	CSCL	TMEM242
ATP1B1. 2	5. 14E-20	-0. 30255	0. 065	0. 243	7. 68E-16	CSCL	ATP1B1
ACOT7. 2	5. 14E-20	-0. 10826	0. 058	0. 236	7. 69E-16	CSCL	ACOT7
FBXW11. 1	5. 15E-20	-0. 21126	0. 031	0. 188	7. 69E-16	CSCL	FBXW11
RNF115. 1	5. 16E-20	-0. 1686	0. 068	0. 252	7. 71E-16	CSCL	RNF115
SMC2. 1	5. 24E-20	-0. 16999	0. 042	0. 208	7. 84E-16	CSCL	SMC2
TM9SF3. 2	5. 57E-20	-0. 16119	0. 054	0. 228	8. 32E-16	CSCL	TM9SF3
DDX54. 1	5. 69E-20	-0. 16635	0. 042	0. 207	8. 51E-16	CSCL	DDX54
DALRD3	5. 72E-20	-0. 21277	0. 023	0. 173	8. 54E-16	CSCL	DALRD3
EGLN1. 1	5. 73E-20	-0. 15616	0. 035	0. 195	8. 56E-16	CSCL	EGLN1
RP11-395G	5. 93E-20	-0. 2374	0. 03	0. 185	8. 86E-16	CSCL	RP11-395G23. 3
AKAP17A. 1	5. 97E-20	-0. 28033	0. 024	0. 175	8. 92E-16	CSCL	AKAP17A
GTPBP6. 2	5. 98E-20	-0. 10174	0. 049	0. 22	8. 94E-16	CSCL	GTPBP6
ENTPD6. 2	6. 11E-20	-0. 19547	0. 042	0. 207	9. 13E-16	CSCL	ENTPD6
SLC12A9. 2	6. 14E-20	-0. 21958	0. 044	0. 209	9. 18E-16	CSCL	SLC12A9

CSE1L. 1	6. 22E-20	-0. 11617	0. 056	0. 231	9. 30E-16	CSCL	CSE1L
SYNRG. 1	6. 25E-20	-0. 18631	0. 037	0. 197	9. 34E-16	CSCL	SYNRG
C6orf89	6. 52E-20	-0. 16391	0. 054	0. 228	9. 74E-16	CSCL	C6orf89
KIAA1715.	6. 52E-20	-0. 12836	0. 075	0. 264	9. 75E-16	CSCL	KIAA1715
ALG13. 1	6. 84E-20	-0. 20093	0. 054	0. 228	1. 02E-15	CSCL	ALG13
DGKZ. 2	7. 00E-20	-0. 14406	0. 04	0. 204	1. 05E-15	CSCL	DGKZ
TMEM223. 1	7. 09E-20	-0. 15431	0. 058	0. 233	1. 06E-15	CSCL	TMEM223
SMARCD1. 2	7. 28E-20	-0. 11462	0. 051	0. 223	1. 09E-15	CSCL	SMARCD1
MTHFD1L. 2	7. 38E-20	-0. 32382	0. 007	0. 142	1. 10E-15	CSCL	MTHFD1L
USP15. 2	7. 67E-20	-0. 27008	0. 07	0. 251	1. 15E-15	CSCL	USP15
IRF2BP2. 2	7. 79E-20	-0. 11951	0. 112	0. 326	1. 16E-15	CSCL	IRF2BP2
TRADD. 2	7. 83E-20	-0. 17798	0. 024	0. 175	1. 17E-15	CSCL	TRADD
IER3IP1. 2	8. 11E-20	0. 537239	0. 108	0. 035	1. 21E-15	CSCL	IER3IP1
SRGAP1. 2	8. 37E-20	-0. 199	0. 058	0. 234	1. 25E-15	CSCL	SRGAP1
ZC3HAV1. 2	8. 93E-20	-0. 22884	0. 03	0. 184	1. 33E-15	CSCL	ZC3HAV1
DNAJC1. 2	9. 19E-20	-0. 1996	0. 035	0. 193	1. 37E-15	CSCL	DNAJC1
C17orf58.	9. 41E-20	-0. 20793	0. 035	0. 194	1. 41E-15	CSCL	C17orf58
PAPD4. 1	9. 42E-20	-0. 23781	0. 031	0. 187	1. 41E-15	CSCL	PAPD4
RNF13. 2	9. 44E-20	-0. 1131	0. 213	0. 494	1. 41E-15	CSCL	RNF13
RPS6KA1. 2	9. 57E-20	-0. 47729	0. 005	0. 137	1. 43E-15	CSCL	RPS6KA1
PUM1. 2	9. 63E-20	-0. 12362	0. 065	0. 246	1. 44E-15	CSCL	PUM1
PIK3IP1. 2	9. 75E-20	-0. 51184	0. 023	0. 168	1. 46E-15	CSCL	PIK3IP1
PES1. 2	9. 84E-20	-0. 12119	0. 038	0. 2	1. 47E-15	CSCL	PES1
PRDX1. 2	9. 98E-20	0. 415244	0. 665	0. 815	1. 49E-15	CSCL	PRDX1
PCGF5	1. 01E-19	-0. 24437	0. 031	0. 187	1. 51E-15	CSCL	PCGF5
THOC3. 1	1. 02E-19	-0. 2167	0. 026	0. 177	1. 52E-15	CSCL	THOC3
TMPO. 2	1. 07E-19	-0. 24828	0. 04	0. 201	1. 60E-15	CSCL	TMPO
DR1. 2	1. 09E-19	-0. 1553	0. 065	0. 243	1. 62E-15	CSCL	DR1
CTTNBP2NL	1. 11E-19	-0. 30861	0. 017	0. 16	1. 66E-15	CSCL	CTTNBP2NL
PDE4B. 2	1. 12E-19	-0. 14925	0. 089	0. 286	1. 68E-15	CSCL	PDE4B
ETNK1. 2	1. 15E-19	-0. 19661	0. 058	0. 232	1. 72E-15	CSCL	ETNK1
CACUL1. 2	1. 15E-19	-0. 22439	0. 047	0. 214	1. 72E-15	CSCL	CACUL1
CKAP2. 2	1. 16E-19	-0. 25767	0. 026	0. 176	1. 73E-15	CSCL	CKAP2
VPS37A	1. 19E-19	-0. 16335	0. 047	0. 214	1. 79E-15	CSCL	VPS37A
CSK. 2	1. 20E-19	-0. 33376	0. 014	0. 154	1. 79E-15	CSCL	CSK
DTNBP1. 2	1. 21E-19	-0. 15377	0. 047	0. 215	1. 81E-15	CSCL	DTNBP1
SP100. 1	1. 23E-19	-0. 28787	0. 098	0. 296	1. 84E-15	CSCL	SP100
PRKAR2A	1. 23E-19	-0. 1117	0. 072	0. 258	1. 85E-15	CSCL	PRKAR2A
KLF10. 1	1. 25E-19	-0. 29034	0. 065	0. 242	1. 86E-15	CSCL	KLF10
FAM228B. 1	1. 26E-19	-0. 12394	0. 052	0. 224	1. 89E-15	CSCL	FAM228B
ANKRD40. 1	1. 33E-19	-0. 19192	0. 03	0. 182	1. 98E-15	CSCL	ANKRD40
NCF1. 2	1. 37E-19	-0. 50684	0. 002	0. 13	2. 04E-15	CSCL	NCF1
CSRNP1. 2	1. 39E-19	-0. 32122	0. 04	0. 198	2. 07E-15	CSCL	CSRNP1
SLC20A1	1. 40E-19	-0. 23429	0. 031	0. 186	2. 09E-15	CSCL	SLC20A1
MRGBP. 1	1. 42E-19	-0. 21621	0. 014	0. 154	2. 13E-15	CSCL	MRGBP
CTXN1. 2	1. 49E-19	-0. 22804	0. 021	0. 167	2. 22E-15	CSCL	CTXN1
MARCH1. 2	1. 53E-19	-0. 39043	0. 04	0. 198	2. 28E-15	CSCL	1-Mar
ARFIP2. 2	1. 55E-19	-0. 14749	0. 07	0. 253	2. 31E-15	CSCL	ARFIP2
SOCS6. 2	1. 55E-19	-0. 10786	0. 061	0. 238	2. 32E-15	CSCL	SOCS6
FLII. 2	1. 56E-19	-0. 20852	0. 037	0. 195	2. 34E-15	CSCL	FLII
PDCL3. 1	1. 59E-19	-0. 10636	0. 099	0. 303	2. 38E-15	CSCL	PDCL3

EIF2AK4.2	1.60E-19	-0.17799	0.033	0.189	2.38E-15	CSCL	EIF2AK4
CES2.1	1.60E-19	-0.17555	0.035	0.192	2.39E-15	CSCL	CES2
TMEM87A.1	1.60E-19	-0.10935	0.087	0.283	2.39E-15	CSCL	TMEM87A
UBAP1.1	1.61E-19	-0.17478	0.035	0.192	2.40E-15	CSCL	UBAP1
BTBD10.1	1.74E-19	-0.19702	0.033	0.189	2.61E-15	CSCL	BTBD10
SELM.2	1.75E-19	-0.32899	0.038	0.196	2.61E-15	CSCL	SELM
ADCK2.2	1.77E-19	-0.28356	0.01	0.146	2.64E-15	CSCL	ADCK2
AOAH.2	1.80E-19	-0.56213	0.002	0.129	2.69E-15	CSCL	AOAH
SUCLG2	1.81E-19	-0.16247	0.072	0.254	2.71E-15	CSCL	SUCLG2
TCERG1.1	1.87E-19	-0.17313	0.047	0.212	2.79E-15	CSCL	TCERG1
SNHG15.1	1.87E-19	-0.18025	0.058	0.23	2.80E-15	CSCL	SNHG15
SIL1.1	1.96E-19	-0.11726	0.077	0.264	2.93E-15	CSCL	SIL1
EVA1B.2	2.03E-19	-0.23738	0.002	0.129	3.03E-15	CSCL	EVA1B
CD84.2	2.06E-19	-0.52715	0.005	0.135	3.09E-15	CSCL	CD84
C21orf2.2	2.08E-19	-0.1965	0.042	0.202	3.11E-15	CSCL	C21orf2
HEXIM1.1	2.08E-19	-0.20891	0.056	0.227	3.11E-15	CSCL	HEXIM1
JOSD1.2	2.09E-19	-0.29779	0.021	0.165	3.12E-15	CSCL	JOSD1
FBXW2.2	2.18E-19	-0.14874	0.04	0.2	3.25E-15	CSCL	FBXW2
LASP1.2	2.21E-19	-0.18572	0.051	0.218	3.30E-15	CSCL	LASP1
KIF5C.2	2.21E-19	-0.19279	0.086	0.277	3.30E-15	CSCL	KIF5C
TRAPPC12.2	2.21E-19	-0.18594	0.044	0.205	3.31E-15	CSCL	TRAPPC12
LRRC47.1	2.22E-19	-0.13274	0.054	0.225	3.32E-15	CSCL	LRRC47
TOB2.1	2.23E-19	-0.26017	0.044	0.205	3.33E-15	CSCL	TOB2
C7orf49.1	2.27E-19	-0.11867	0.049	0.216	3.39E-15	CSCL	C7orf49
GLYR1.1	2.29E-19	-0.17427	0.051	0.218	3.42E-15	CSCL	GLYR1
LRRC58.1	2.49E-19	-0.17047	0.049	0.214	3.73E-15	CSCL	LRRC58
USP34.2	2.51E-19	-0.14319	0.051	0.218	3.76E-15	CSCL	USP34
NUP62.2	2.54E-19	-0.11096	0.066	0.246	3.79E-15	CSCL	NUP62
TRAF7.2	2.59E-19	-0.14519	0.038	0.197	3.86E-15	CSCL	TRAF7
PHLDA1.2	2.61E-19	-0.10022	0.164	0.407	3.90E-15	CSCL	PHLDA1
RIF1.1	2.63E-19	-0.11044	0.056	0.228	3.94E-15	CSCL	RIF1
SNAP29.2	2.70E-19	-0.11487	0.059	0.233	4.04E-15	CSCL	SNAP29
FAM120AOS	2.72E-19	-0.14008	0.037	0.193	4.06E-15	CSCL	FAM120AOS
FAM58A.2	2.77E-19	-0.23973	0.019	0.161	4.14E-15	CSCL	FAM58A
ATAT1.2	2.77E-19	-0.11713	0.098	0.298	4.15E-15	CSCL	ATAT1
CCPG1.1	2.79E-19	-0.14368	0.052	0.221	4.17E-15	CSCL	CCPG1
NCKAP1L.2	2.83E-19	-0.52657	0.002	0.128	4.23E-15	CSCL	NCKAP1L
RRP36.2	2.86E-19	-0.18868	0.014	0.152	4.28E-15	CSCL	RRP36
MTSS1.2	2.91E-19	-0.27893	0.054	0.221	4.35E-15	CSCL	MTSS1
SPIN1.2	2.96E-19	-0.25314	0.026	0.174	4.43E-15	CSCL	SPIN1
ZNF414.2	3.00E-19	-0.15317	0.037	0.193	4.48E-15	CSCL	ZNF414
R3HDM2.2	3.15E-19	-0.21459	0.026	0.174	4.71E-15	CSCL	R3HDM2
ATP6AP2.1	3.20E-19	-0.14068	0.311	0.674	4.79E-15	CSCL	ATP6AP2
TCOF1.2	3.27E-19	-0.27903	0.044	0.203	4.89E-15	CSCL	TCOF1
NGLY1.1	3.43E-19	-0.14979	0.054	0.223	5.13E-15	CSCL	NGLY1
ARF1.1	3.65E-19	-0.11236	0.33	0.713	5.45E-15	CSCL	ARF1
SEMA6D.2	3.71E-19	-0.23502	0.021	0.164	5.55E-15	CSCL	SEMA6D
PPP2R5B.1	3.72E-19	-0.19564	0.026	0.173	5.56E-15	CSCL	PPP2R5B
CDKN2D.2	3.77E-19	-0.23729	0.023	0.167	5.64E-15	CSCL	CDKN2D
RPP14.1	3.79E-19	-0.19362	0.038	0.195	5.67E-15	CSCL	RPP14
KIAA1033.3	3.80E-19	-0.12405	0.068	0.247	5.68E-15	CSCL	KIAA1033

SEPN1. 1	3. 83E-19	-0. 1258	0. 051	0. 218	5. 73E-15 CSCL	SEPN1
ATF3. 2	3. 90E-19	-0. 11153	0. 108	0. 312	5. 83E-15 CSCL	ATF3
RPIA. 1	3. 91E-19	-0. 1864	0. 038	0. 195	5. 84E-15 CSCL	RPIA
EIF4G2. 2	3. 91E-19	-0. 16009	0. 318	0. 677	5. 84E-15 CSCL	EIF4G2
UXS1. 1	3. 92E-19	-0. 15179	0. 047	0. 211	5. 85E-15 CSCL	UXS1
DEDD2. 1	4. 04E-19	-0. 23447	0. 03	0. 179	6. 04E-15 CSCL	DEDD2
NFE2L1. 1	4. 05E-19	-0. 16502	0. 038	0. 195	6. 05E-15 CSCL	NFE2L1
ZHX1. 1	4. 27E-19	-0. 11891	0. 051	0. 217	6. 39E-15 CSCL	ZHX1
MAEA. 1	4. 34E-19	-0. 15604	0. 066	0. 243	6. 48E-15 CSCL	MAEA
KMT2C. 2	4. 38E-19	-0. 13716	0. 082	0. 271	6. 55E-15 CSCL	KMT2C
PCYT2. 1	4. 46E-19	-0. 17954	0. 023	0. 167	6. 67E-15 CSCL	PCYT2
SDSL. 1	4. 63E-19	-0. 19288	0. 038	0. 195	6. 92E-15 CSCL	SDSL
HERPUD2. 1	4. 90E-19	-0. 2218	0. 031	0. 182	7. 32E-15 CSCL	HERPUD2
USP39. 1	4. 92E-19	-0. 12252	0. 037	0. 192	7. 35E-15 CSCL	USP39
CLEC11A. 2	5. 07E-19	-0. 12111	0. 065	0. 24	7. 58E-15 CSCL	CLEC11A
INSIG1. 2	5. 12E-19	-0. 20605	0. 063	0. 235	7. 66E-15 CSCL	INSIG1
LPIN2. 2	5. 19E-19	-0. 27566	0. 017	0. 156	7. 75E-15 CSCL	LPIN2
PSPC1. 2	5. 20E-19	-0. 14708	0. 052	0. 219	7. 78E-15 CSCL	PSPC1
MAPKAPK5. 5	5. 43E-19	-0. 20722	0. 037	0. 191	8. 12E-15 CSCL	MAPKAPK5
FNBP4. 1	5. 46E-19	-0. 14487	0. 077	0. 261	8. 15E-15 CSCL	FNBP4
CYLD. 1	5. 63E-19	-0. 26981	0. 026	0. 172	8. 41E-15 CSCL	CYLD
MOB2	5. 71E-19	-0. 17516	0. 038	0. 195	8. 53E-15 CSCL	MOB2
PCBP4. 2	5. 76E-19	-0. 10703	0. 079	0. 265	8. 61E-15 CSCL	PCBP4
ANKRD39. 2	6. 01E-19	-0. 2948	0. 028	0. 174	8. 97E-15 CSCL	ANKRD39
PSME3. 1	6. 01E-19	-0. 11619	0. 061	0. 235	8. 98E-15 CSCL	PSME3
VEZF1. 2	6. 18E-19	-0. 11102	0. 068	0. 247	9. 23E-15 CSCL	VEZF1
DIMT1. 1	6. 35E-19	-0. 21486	0. 038	0. 194	9. 48E-15 CSCL	DIMT1
SDC2. 2	6. 37E-19	-0. 21513	0. 042	0. 2	9. 51E-15 CSCL	SDC2
DDX52. 1	6. 65E-19	-0. 16393	0. 072	0. 253	9. 94E-15 CSCL	DDX52
RUFY2. 2	6. 75E-19	-0. 24657	0. 017	0. 156	1. 01E-14 CSCL	RUFY2
TOR1AIP2	6. 91E-19	-0. 14195	0. 077	0. 26	1. 03E-14 CSCL	TOR1AIP2
HNRNPK. 1	6. 96E-19	0. 361021	0. 634	0. 797	1. 04E-14 CSCL	HNRNPK
ASH2L. 1	7. 07E-19	-0. 19122	0. 033	0. 184	1. 06E-14 CSCL	ASH2L
SNX14. 2	7. 12E-19	-0. 12034	0. 052	0. 219	1. 06E-14 CSCL	SNX14
MARCH5. 1	7. 17E-19	-0. 20011	0. 042	0. 199	1. 07E-14 CSCL	5-Mar
PFDN5. 2	7. 23E-19	0. 301735	0. 695	0. 894	1. 08E-14 CSCL	PFDN5
CERS4. 2	7. 26E-19	-0. 11407	0. 045	0. 207	1. 08E-14 CSCL	CERS4
RASSF5. 2	7. 27E-19	-0. 43396	0. 002	0. 126	1. 09E-14 CSCL	RASSF5
BRD3. 2	7. 32E-19	-0. 11968	0. 091	0. 284	1. 09E-14 CSCL	BRD3
TFRC. 2	7. 50E-19	-0. 18719	0. 052	0. 217	1. 12E-14 CSCL	TFRC
WIPF2	7. 57E-19	-0. 13384	0. 047	0. 209	1. 13E-14 CSCL	WIPF2
REST. 2	7. 60E-19	-0. 16097	0. 045	0. 206	1. 14E-14 CSCL	REST
PTAFR. 2	7. 62E-19	-0. 51286	0. 005	0. 131	1. 14E-14 CSCL	PTAFR
UCHL5. 1	7. 62E-19	-0. 26752	0. 017	0. 156	1. 14E-14 CSCL	UCHL5
SKI. 2	7. 91E-19	-0. 2771	0. 019	0. 158	1. 18E-14 CSCL	SKI
DOK1. 2	8. 04E-19	-0. 31686	0. 021	0. 161	1. 20E-14 CSCL	DOK1
KLF6. 1	8. 06E-19	-0. 14726	0. 251	0. 546	1. 20E-14 CSCL	KLF6
MMP2. 2	8. 22E-19	-0. 1635	0. 063	0. 235	1. 23E-14 CSCL	MMP2
TOP2B. 2	8. 33E-19	-0. 11033	0. 068	0. 246	1. 24E-14 CSCL	TOP2B
DPH7. 1	8. 38E-19	-0. 19008	0. 028	0. 174	1. 25E-14 CSCL	DPH7
GK. 2	8. 49E-19	-0. 39311	0. 012	0. 145	1. 27E-14 CSCL	GK

CYB561D2	8.54E-19	-0.19223	0.063	0.234	1.28E-14	CSCL	CYB561D2
RAC2.2	8.62E-19	-0.53547	0.002	0.125	1.29E-14	CSCL	RAC2
IARS2	8.72E-19	-0.14356	0.049	0.212	1.30E-14	CSCL	IARS2
ATP2C1.1	8.83E-19	-0.16159	0.061	0.232	1.32E-14	CSCL	ATP2C1
SFSWAP.1	9.23E-19	-0.14217	0.033	0.184	1.38E-14	CSCL	SFSWAP
KIAA0930.	9.44E-19	-0.33198	0.016	0.151	1.41E-14	CSCL	KIAA0930
CMIP.2	9.48E-19	-0.21062	0.031	0.18	1.42E-14	CSCL	CMIP
SLC1A5.2	9.56E-19	-0.37187	0.012	0.144	1.43E-14	CSCL	SLC1A5
ELL2.2	9.61E-19	-0.33775	0.044	0.2	1.44E-14	CSCL	ELL2
C19orf52.	9.65E-19	-0.13426	0.031	0.181	1.44E-14	CSCL	C19orf52
NADK.2	9.83E-19	-0.13829	0.028	0.174	1.47E-14	CSCL	NADK
MED30.1	9.83E-19	-0.11945	0.079	0.262	1.47E-14	CSCL	MED30
TRIM24.2	1.00E-18	-0.13433	0.042	0.199	1.50E-14	CSCL	TRIM24
LEMD2.2	1.01E-18	-0.20457	0.017	0.155	1.50E-14	CSCL	LEMD2
THAP11.2	1.03E-18	-0.17196	0.033	0.183	1.54E-14	CSCL	THAP11
RAB21.2	1.05E-18	-0.11006	0.049	0.212	1.57E-14	CSCL	RAB21
TSC22D2.2	1.09E-18	-0.28623	0.023	0.163	1.63E-14	CSCL	TSC22D2
APIP.2	1.11E-18	-0.12483	0.066	0.242	1.67E-14	CSCL	APIP
SLC4A1AP	1.14E-18	-0.15083	0.033	0.183	1.70E-14	CSCL	SLC4A1AP
FAM45A.1	1.14E-18	-0.13563	0.042	0.199	1.70E-14	CSCL	FAM45A
NCK2.2	1.15E-18	-0.23936	0.017	0.154	1.71E-14	CSCL	NCK2
KMT2A.2	1.17E-18	-0.10348	0.068	0.245	1.75E-14	CSCL	KMT2A
OSBPL1A.2	1.20E-18	-0.14974	0.042	0.198	1.79E-14	CSCL	OSBPL1A
TCEB3.1	1.22E-18	-0.1675	0.033	0.183	1.82E-14	CSCL	TCEB3
EXOSC3.2	1.22E-18	-0.21534	0.024	0.167	1.83E-14	CSCL	EXOSC3
UBL4A.1	1.24E-18	-0.13087	0.037	0.19	1.86E-14	CSCL	UBL4A
TTC9C.1	1.27E-18	-0.24509	0.033	0.182	1.89E-14	CSCL	TTC9C
CASP3.1	1.29E-18	-0.16243	0.045	0.205	1.93E-14	CSCL	CASP3
CHTF8	1.32E-18	-0.16787	0.035	0.186	1.97E-14	CSCL	CHTF8
PTGER4.2	1.33E-18	-0.49885	0.005	0.13	1.99E-14	CSCL	PTGER4
USP3.2	1.35E-18	-0.22862	0.028	0.173	2.02E-14	CSCL	USP3
HLA-DQA2.	1.38E-18	-0.61079	0.033	0.179	2.07E-14	CSCL	HLA-DQA2
FMNL1.2	1.41E-18	-0.46803	0.005	0.13	2.10E-14	CSCL	FMNL1
HINT3.2	1.41E-18	-0.16541	0.047	0.206	2.11E-14	CSCL	HINT3
MVD.2	1.43E-18	-0.13355	0.035	0.186	2.13E-14	CSCL	MVD
GTF2H5.1	1.44E-18	0.111964	0.164	0.417	2.15E-14	CSCL	GTF2H5
MOB3A.2	1.45E-18	-0.20707	0.026	0.17	2.17E-14	CSCL	MOB3A
EVI5.1	1.48E-18	-0.10835	0.038	0.192	2.21E-14	CSCL	EVI5
GYG1	1.51E-18	-0.13217	0.08	0.263	2.26E-14	CSCL	GYG1
CNOT8.1	1.53E-18	-0.12825	0.037	0.189	2.29E-14	CSCL	CNOT8
DCAF11.2	1.56E-18	-0.14264	0.042	0.198	2.33E-14	CSCL	DCAF11
EDEM2.1	1.59E-18	-0.10451	0.072	0.249	2.37E-14	CSCL	EDEM2
RASGEF1B.	1.66E-18	-0.49206	0.003	0.127	2.48E-14	CSCL	RASGEF1B
MMP14.1	1.67E-18	-0.15692	0.061	0.23	2.50E-14	CSCL	MMP14
THOC6.1	1.68E-18	-0.15083	0.03	0.176	2.51E-14	CSCL	THOC6
GAR1.2	1.72E-18	-0.12601	0.042	0.198	2.57E-14	CSCL	GAR1
USP9X.2	1.78E-18	-0.14506	0.049	0.209	2.65E-14	CSCL	USP9X
ATM.2	1.82E-18	-0.24567	0.042	0.196	2.73E-14	CSCL	ATM
RP11-552E	1.86E-18	-0.63713	0.003	0.126	2.78E-14	CSCL	RP11-552D4.1
ADSS.1	1.92E-18	-0.12875	0.04	0.194	2.87E-14	CSCL	ADSS
FBP1.2	1.94E-18	-0.47423	0.002	0.123	2.90E-14	CSCL	FBP1



CKAP5. 2	1. 96E-18	-0. 17503	0. 023	0. 163	2. 93E-14	CSCL	CKAP5
LONP2. 1	2. 06E-18	-0. 10823	0. 077	0. 257	3. 08E-14	CSCL	LONP2
SSH2. 2	2. 15E-18	-0. 30493	0. 035	0. 183	3. 22E-14	CSCL	SSH2
DBN1. 2	2. 16E-18	-0. 14772	0. 117	0. 321	3. 22E-14	CSCL	DBN1
TNIP2. 1	2. 18E-18	-0. 14098	0. 028	0. 172	3. 26E-14	CSCL	TNIP2
TMEM173. 2	2. 21E-18	-0. 49229	0. 007	0. 132	3. 30E-14	CSCL	TMEM173
HIVEP3. 2	2. 25E-18	-0. 18466	0. 021	0. 159	3. 37E-14	CSCL	HIVEP3
MGRN1. 2	2. 27E-18	-0. 22255	0. 054	0. 216	3. 40E-14	CSCL	MGRN1
TRIB1. 1	2. 40E-18	-0. 36303	0. 024	0. 164	3. 59E-14	CSCL	TRIB1
LRPPRC. 1	2. 45E-18	-0. 21459	0. 03	0. 175	3. 66E-14	CSCL	LRPPRC
MAP3K11. 2	2. 47E-18	-0. 19271	0. 038	0. 19	3. 69E-14	CSCL	MAP3K11
UBE2Q1. 1	2. 55E-18	-0. 18103	0. 026	0. 168	3. 81E-14	CSCL	UBE2Q1
TMSB15A. 2	2. 55E-18	-0. 27678	0. 037	0. 186	3. 81E-14	CSCL	TMSB15A
HPS3. 1	2. 56E-18	-0. 28426	0. 016	0. 149	3. 82E-14	CSCL	HPS3
ANKLE2	2. 58E-18	-0. 21374	0. 037	0. 187	3. 86E-14	CSCL	ANKLE2
GAK. 2	2. 76E-18	-0. 20816	0. 024	0. 165	4. 12E-14	CSCL	GAK
CASP4. 2	2. 80E-18	-0. 273	0. 066	0. 236	4. 19E-14	CSCL	CASP4
SUZ12. 2	2. 84E-18	-0. 11013	0. 045	0. 202	4. 24E-14	CSCL	SUZ12
EFR3A. 2	2. 85E-18	-0. 2246	0. 016	0. 149	4. 27E-14	CSCL	EFR3A
POU2F2. 2	2. 86E-18	-0. 40871	0. 012	0. 142	4. 27E-14	CSCL	POU2F2
CLCN7. 2	2. 92E-18	-0. 2371	0. 023	0. 161	4. 37E-14	CSCL	CLCN7
CHST2. 1	2. 93E-18	-0. 16611	0. 012	0. 142	4. 38E-14	CSCL	CHST2
RRP1. 1	2. 93E-18	-0. 10457	0. 054	0. 218	4. 38E-14	CSCL	RRP1
ZNF800. 1	2. 98E-18	-0. 15607	0. 038	0. 189	4. 45E-14	CSCL	ZNF800
ALG2. 2	2. 99E-18	-0. 25645	0. 028	0. 17	4. 47E-14	CSCL	ALG2
BIN2. 2	3. 01E-18	-0. 4977	0	0. 118	4. 50E-14	CSCL	BIN2
GSDMD. 1	3. 13E-18	-0. 22732	0. 04	0. 192	4. 67E-14	CSCL	GSDMD
PPIL4. 1	3. 15E-18	-0. 1161	0. 077	0. 255	4. 70E-14	CSCL	PPIL4
TCIRG1. 2	3. 25E-18	-0. 39186	0. 007	0. 132	4. 86E-14	CSCL	TCIRG1
UTP6. 1	3. 41E-18	-0. 13043	0. 054	0. 217	5. 09E-14	CSCL	UTP6
LAMP2. 2	3. 49E-18	-0. 11816	0. 213	0. 484	5. 21E-14	CSCL	LAMP2
UAP1. 1	3. 49E-18	-0. 18927	0. 04	0. 192	5. 22E-14	CSCL	UAP1
SNAPC1. 1	3. 55E-18	-0. 13287	0. 042	0. 196	5. 30E-14	CSCL	SNAPC1
NOTCH2NL.	3. 60E-18	-0. 186	0. 03	0. 173	5. 39E-14	CSCL	NOTCH2NL
KIAA2013.	3. 61E-18	-0. 24062	0. 021	0. 157	5. 40E-14	CSCL	KIAA2013
SACS. 2	3. 64E-18	-0. 17108	0. 023	0. 161	5. 44E-14	CSCL	SACS
CDK11A. 1	3. 71E-18	-0. 23157	0. 047	0. 204	5. 54E-14	CSCL	CDK11A
DSE. 2	3. 81E-18	-0. 38878	0. 014	0. 144	5. 69E-14	CSCL	DSE
ACOX1. 1	3. 81E-18	-0. 16257	0. 03	0. 173	5. 70E-14	CSCL	ACOX1
TOR2A. 2	3. 83E-18	-0. 27865	0. 019	0. 154	5. 72E-14	CSCL	TOR2A
NUP214. 2	3. 91E-18	-0. 23361	0. 047	0. 203	5. 85E-14	CSCL	NUP214
EGR2. 2	3. 99E-18	-0. 2565	0. 045	0. 199	5. 96E-14	CSCL	EGR2
ZMYM2. 2	4. 01E-18	-0. 16756	0. 052	0. 213	5. 99E-14	CSCL	ZMYM2
PDPK1. 2	4. 08E-18	-0. 14767	0. 042	0. 195	6. 10E-14	CSCL	PDPK1
LCP2. 2	4. 14E-18	-0. 48553	0. 002	0. 121	6. 19E-14	CSCL	LCP2
FBXO11. 2	4. 15E-18	-0. 13681	0. 052	0. 214	6. 20E-14	CSCL	FBXO11
DOCK4. 2	4. 21E-18	-0. 32395	0. 028	0. 169	6. 30E-14	CSCL	DOCK4
RHOT2. 1	4. 22E-18	-0. 14018	0. 08	0. 26	6. 30E-14	CSCL	RHOT2
SLC38A10.	4. 25E-18	-0. 15467	0. 049	0. 206	6. 35E-14	CSCL	SLC38A10
ACAP2. 2	4. 32E-18	-0. 18433	0. 037	0. 185	6. 46E-14	CSCL	ACAP2
MZT1. 1	4. 42E-18	-0. 12013	0. 084	0. 264	6. 60E-14	CSCL	MZT1

KCMF1. 1	4. 49E-18	-0. 10561	0. 044	0. 199	6. 71E-14	CSCL	KCMF1
NFKBID. 2	4. 54E-18	-0. 44284	0. 016	0. 147	6. 79E-14	CSCL	NFKBID
YDJC. 2	4. 92E-18	-0. 24041	0. 017	0. 15	7. 36E-14	CSCL	YDJC
STX11. 2	4. 98E-18	-0. 50255	0. 002	0. 12	7. 45E-14	CSCL	STX11
CYTH1. 2	5. 18E-18	-0. 33027	0. 026	0. 165	7. 75E-14	CSCL	CYTH1
VPS26A. 1	5. 42E-18	-0. 13955	0. 075	0. 251	8. 11E-14	CSCL	VPS26A
LY6E. 1	5. 44E-18	-0. 10247	0. 157	0. 387	8. 13E-14	CSCL	LY6E
FAM122A. 2	5. 49E-18	-0. 22521	0. 017	0. 15	8. 20E-14	CSCL	FAM122A
HGSNAT. 2	5. 53E-18	-0. 17081	0. 054	0. 214	8. 26E-14	CSCL	HGSNAT
THAP4. 1	5. 63E-18	-0. 20811	0. 026	0. 166	8. 42E-14	CSCL	THAP4
KANSL1-AS	5. 76E-18	-0. 12829	0. 045	0. 201	8. 61E-14	CSCL	KANSL1-AS1
SLC31A1. 2	5. 86E-18	-0. 20953	0. 031	0. 175	8. 75E-14	CSCL	SLC31A1
HLA-F. 2	5. 98E-18	-0. 37958	0. 019	0. 153	8. 94E-14	CSCL	HLA-F
PKM. 2	6. 04E-18	0. 381697	0. 642	0. 777	9. 02E-14	CSCL	PKM
PDXDC1. 1	6. 12E-18	-0. 1551	0. 033	0. 178	9. 15E-14	CSCL	PDXDC1
F8A1. 2	6. 28E-18	-0. 24792	0. 016	0. 146	9. 39E-14	CSCL	F8A1
ADNP. 1	6. 29E-18	-0. 1421	0. 045	0. 2	9. 40E-14	CSCL	ADNP
MIA3. 1	6. 37E-18	-0. 15163	0. 056	0. 217	9. 52E-14	CSCL	MIA3
CEP57. 1	6. 52E-18	-0. 13435	0. 068	0. 238	9. 74E-14	CSCL	CEP57
ISG20L2. 1	6. 57E-18	-0. 11135	0. 065	0. 233	9. 82E-14	CSCL	ISG20L2
POLR2A. 1	6. 70E-18	-0. 1527	0. 058	0. 219	1. 00E-13	CSCL	POLR2A
ACLY. 2	6. 71E-18	-0. 11599	0. 059	0. 224	1. 00E-13	CSCL	ACLY
ZFAND2B. 1	6. 74E-18	-0. 13877	0. 054	0. 214	1. 01E-13	CSCL	ZFAND2B
FNDC3B. 1	6. 91E-18	-0. 15514	0. 035	0. 181	1. 03E-13	CSCL	FNDC3B
RRP1B. 2	6. 95E-18	-0. 18162	0. 024	0. 163	1. 04E-13	CSCL	RRP1B
SDAD1. 1	7. 27E-18	-0. 10952	0. 061	0. 227	1. 09E-13	CSCL	SDAD1
CD33. 2	7. 32E-18	-0. 52112	0. 005	0. 126	1. 09E-13	CSCL	CD33
GGA2. 2	7. 51E-18	-0. 33151	0. 016	0. 145	1. 12E-13	CSCL	GGA2
MXD4. 2	7. 64E-18	-0. 19743	0. 044	0. 196	1. 14E-13	CSCL	MXD4
NELFB. 2	7. 69E-18	-0. 18428	0. 021	0. 155	1. 15E-13	CSCL	NELFB
SERGEF. 2	8. 11E-18	-0. 1253	0. 031	0. 175	1. 21E-13	CSCL	SERGEF
OXA1L. 1	8. 28E-18	-0. 10809	0. 113	0. 311	1. 24E-13	CSCL	OXA1L
VPS25	8. 34E-18	0. 10267	0. 126	0. 34	1. 25E-13	CSCL	VPS25
PREB. 1	8. 44E-18	-0. 11589	0. 056	0. 218	1. 26E-13	CSCL	PREB
RNF168. 2	8. 73E-18	-0. 23165	0. 021	0. 155	1. 30E-13	CSCL	RNF168
TIMM17B	8. 96E-18	0. 104978	0. 133	0. 353	1. 34E-13	CSCL	TIMM17B
APC. 2	9. 23E-18	-0. 10468	0. 058	0. 221	1. 38E-13	CSCL	APC
UBE2Z. 1	9. 42E-18	-0. 15976	0. 037	0. 183	1. 41E-13	CSCL	UBE2Z
CS. 2	9. 59E-18	-0. 12018	0. 028	0. 168	1. 43E-13	CSCL	CS
CWC25	1. 03E-17	-0. 2141	0. 052	0. 209	1. 54E-13	CSCL	CWC25
AHI1. 1	1. 03E-17	-0. 15752	0. 054	0. 213	1. 54E-13	CSCL	AHI1
DUSP3. 1	1. 04E-17	-0. 19288	0. 037	0. 183	1. 56E-13	CSCL	DUSP3
CUX1. 2	1. 05E-17	-0. 10269	0. 075	0. 249	1. 56E-13	CSCL	CUX1
SPPL2A. 2	1. 08E-17	-0. 19574	0. 042	0. 191	1. 61E-13	CSCL	SPPL2A
FRMD4A. 2	1. 19E-17	-0. 31608	0. 045	0. 195	1. 78E-13	CSCL	FRMD4A
SAC3D1. 2	1. 22E-17	-0. 11531	0. 033	0. 177	1. 82E-13	CSCL	SAC3D1
SLC25A37. 1	1. 22E-17	-0. 14497	0. 119	0. 32	1. 83E-13	CSCL	SLC25A37
CHKA. 2	1. 23E-17	-0. 16132	0. 044	0. 195	1. 84E-13	CSCL	CHKA
RASSF4. 2	1. 26E-17	-0. 11191	0. 131	0. 339	1. 88E-13	CSCL	RASSF4
KLF3. 2	1. 26E-17	-0. 1109	0. 059	0. 222	1. 89E-13	CSCL	KLF3
RNASE1. 2	1. 27E-17	-0. 6648	0. 037	0. 176	1. 90E-13	CSCL	RNASE1

KPNA1.1	1.28E-17	-0.11046	0.03	0.171	1.92E-13	CSCL	KPNA1
YPEL3.2	1.31E-17	-0.13641	0.079	0.253	1.96E-13	CSCL	YPEL3
BCAN.2	1.31E-17	0.923939	0.354	0.272	1.96E-13	CSCL	BCAN
DENND5A.1	1.32E-17	-0.12925	0.038	0.186	1.97E-13	CSCL	DENND5A
HSPB11.2	1.35E-17	0.139746	0.126	0.339	2.01E-13	CSCL	HSPB11
CEP63.1	1.36E-17	-0.14478	0.038	0.185	2.03E-13	CSCL	CEP63
ATP13A3.1	1.37E-17	-0.20074	0.023	0.157	2.05E-13	CSCL	ATP13A3
TNFRSF21.1	1.40E-17	-0.15154	0.03	0.17	2.10E-13	CSCL	TNFRSF21
PIP4K2A.2	1.41E-17	-0.34478	0.016	0.143	2.10E-13	CSCL	PIP4K2A
SLC36A4.1	1.45E-17	-0.10886	0.047	0.201	2.16E-13	CSCL	SLC36A4
RECQL.1	1.45E-17	-0.11886	0.035	0.18	2.16E-13	CSCL	RECQL
SPATA13.2	1.48E-17	-0.23755	0.031	0.172	2.21E-13	CSCL	SPATA13
NDUFB2.2	1.48E-17	0.389981	0.639	0.817	2.22E-13	CSCL	NDUFB2
VAC14.1	1.49E-17	-0.18887	0.017	0.147	2.23E-13	CSCL	VAC14
SAMM50.2	1.51E-17	-0.16056	0.061	0.223	2.26E-13	CSCL	SAMM50
PACSIN2.2	1.52E-17	-0.21525	0.037	0.181	2.28E-13	CSCL	PACSIN2
ZNF672.2	1.55E-17	-0.24958	0.017	0.147	2.32E-13	CSCL	ZNF672
LBR.2	1.75E-17	-0.1914	0.072	0.241	2.61E-13	CSCL	LBR
DOCK8.2	1.76E-17	-0.45697	0.007	0.127	2.62E-13	CSCL	DOCK8
HGS.1	1.77E-17	-0.10421	0.061	0.224	2.65E-13	CSCL	HGS
TMEM176A.1	1.78E-17	-0.33812	0.07	0.235	2.65E-13	CSCL	TMEM176A
FAF2.1	1.78E-17	-0.17216	0.045	0.197	2.67E-13	CSCL	FAF2
TMA7.2	1.80E-17	0.32132	0.674	0.86	2.68E-13	CSCL	TMA7
ENOSF1.2	1.85E-17	-0.2016	0.009	0.13	2.76E-13	CSCL	ENOSF1
PHF3.1	1.88E-17	-0.13477	0.049	0.202	2.81E-13	CSCL	PHF3
RGL2.2	1.89E-17	-0.14487	0.054	0.212	2.83E-13	CSCL	RGL2
NAAA.2	1.90E-17	-0.31078	0.014	0.14	2.83E-13	CSCL	NAAA
NCOR2.2	1.94E-17	-0.11341	0.07	0.239	2.90E-13	CSCL	NCOR2
NISCH.2	1.96E-17	-0.21924	0.038	0.183	2.93E-13	CSCL	NISCH
CORO7.2	2.00E-17	-0.29812	0.028	0.165	2.99E-13	CSCL	CORO7
ELAVL3.2	2.04E-17	-0.13132	0.12	0.32	3.05E-13	CSCL	ELAVL3
NFKBIE.2	2.11E-17	-0.20304	0.014	0.14	3.15E-13	CSCL	NFKBIE
HN1L.1	2.13E-17	-0.21185	0.024	0.159	3.18E-13	CSCL	HN1L
DCTN1.2	2.15E-17	-0.10903	0.061	0.224	3.21E-13	CSCL	DCTN1
AGPAT1.1	2.20E-17	-0.13197	0.068	0.235	3.29E-13	CSCL	AGPAT1
SLC25A29	2.20E-17	-0.2025	0.024	0.159	3.29E-13	CSCL	SLC25A29
UBE2T.2	2.21E-17	-0.33462	0.01	0.133	3.30E-13	CSCL	UBE2T
BCL2L12.1	2.26E-17	-0.21239	0.01	0.133	3.38E-13	CSCL	BCL2L12
GNL2.1	2.28E-17	-0.12587	0.056	0.214	3.41E-13	CSCL	GNL2
ARFGEF1.2	2.32E-17	-0.23943	0.009	0.129	3.47E-13	CSCL	ARFGEF1
RBM47.2	2.36E-17	-0.37063	0.005	0.122	3.52E-13	CSCL	RBM47
DCBLD2.1	2.40E-17	-0.21098	0.019	0.149	3.58E-13	CSCL	DCBLD2
LRCH4.2	2.45E-17	-0.29603	0.047	0.196	3.66E-13	CSCL	LRCH4
CLINT1.1	2.47E-17	-0.13832	0.052	0.208	3.69E-13	CSCL	CLINT1
NPM1.2	2.56E-17	0.279914	0.686	0.878	3.82E-13	CSCL	NPM1
FAM129A.1	2.57E-17	-0.20421	0.017	0.146	3.84E-13	CSCL	FAM129A
PTPN12.1	2.57E-17	-0.10608	0.065	0.23	3.84E-13	CSCL	PTPN12
VPS41.1	2.59E-17	-0.10026	0.052	0.209	3.87E-13	CSCL	VPS41
PFN1.2	2.60E-17	-0.16135	0.417	0.829	3.89E-13	CSCL	PFN1
IRAK1.2	2.61E-17	-0.15415	0.028	0.165	3.90E-13	CSCL	IRAK1
PHF1.2	2.62E-17	-0.17935	0.035	0.176	3.92E-13	CSCL	PHF1

PREPL	2. 67E-17	-0. 12781	0. 045	0. 196	3. 98E-13	CSCL	PREPL
FNIP2. 2	2. 67E-17	-0. 26909	0. 051	0. 203	3. 99E-13	CSCL	FNIP2
NRAS	2. 69E-17	-0. 16163	0. 044	0. 192	4. 01E-13	CSCL	NRAS
SUB1. 1	2. 70E-17	0. 379623	0. 62	0. 763	4. 03E-13	CSCL	SUB1
NIPSNAP1.	2. 79E-17	-0. 1594	0. 033	0. 174	4. 17E-13	CSCL	NIPSNAP1
NR3C1. 2	2. 82E-17	-0. 11725	0. 082	0. 257	4. 21E-13	CSCL	NR3C1
SUDS3. 2	2. 84E-17	-0. 12035	0. 045	0. 195	4. 24E-13	CSCL	SUDS3
CSNK1G2. 2	2. 84E-17	-0. 13085	0. 019	0. 149	4. 24E-13	CSCL	CSNK1G2
GSK3B. 2	2. 90E-17	-0. 12086	0. 051	0. 205	4. 34E-13	CSCL	GSK3B
ACBD5. 2	2. 94E-17	-0. 14373	0. 033	0. 174	4. 39E-13	CSCL	ACBD5
RCSD1. 2	2. 94E-17	-0. 46136	0. 007	0. 126	4. 39E-13	CSCL	RCSD1
PDS5A. 1	2. 94E-17	-0. 18557	0. 028	0. 165	4. 39E-13	CSCL	PDS5A
PSAP. 1	2. 94E-17	-0. 21464	0. 438	0. 838	4. 40E-13	CSCL	PSAP
C11orf24.	3. 04E-17	-0. 2067	0. 019	0. 149	4. 54E-13	CSCL	C11orf24
RNF8. 1	3. 18E-17	-0. 12971	0. 033	0. 174	4. 75E-13	CSCL	RNF8
KIDINS220	3. 22E-17	-0. 10439	0. 094	0. 278	4. 81E-13	CSCL	KIDINS220
DUSP23. 1	3. 26E-17	-0. 25172	0. 045	0. 195	4. 87E-13	CSCL	DUSP23
FRMD4B. 2	3. 27E-17	-0. 35659	0. 03	0. 166	4. 89E-13	CSCL	FRMD4B
NRIP1. 2	3. 40E-17	-0. 21241	0. 009	0. 129	5. 08E-13	CSCL	NRIP1
EML4. 2	3. 51E-17	-0. 11343	0. 047	0. 198	5. 24E-13	CSCL	EML4
ABHD8. 2	3. 62E-17	-0. 1877	0. 021	0. 151	5. 41E-13	CSCL	ABHD8
COX19. 1	3. 65E-17	-0. 13519	0. 072	0. 239	5. 46E-13	CSCL	COX19
ABHD11. 1	3. 67E-17	-0. 23883	0. 035	0. 176	5. 49E-13	CSCL	ABHD11
B3GALNT1.	3. 76E-17	-0. 17333	0. 044	0. 191	5. 62E-13	CSCL	B3GALNT1
PLA2G15. 2	3. 77E-17	-0. 28198	0. 017	0. 145	5. 63E-13	CSCL	PLA2G15
SLC29A1. 2	4. 11E-17	-0. 37389	0. 017	0. 144	6. 14E-13	CSCL	SLC29A1
IL1RAP. 1	4. 24E-17	-0. 23136	0. 03	0. 166	6. 34E-13	CSCL	IL1RAP
BLMH. 1	4. 25E-17	-0. 14375	0. 038	0. 182	6. 35E-13	CSCL	BLMH
SMPDL3A. 1	4. 26E-17	-0. 34457	0. 01	0. 131	6. 37E-13	CSCL	SMPDL3A
GRK6. 2	4. 32E-17	-0. 16895	0. 016	0. 141	6. 45E-13	CSCL	GRK6
PHKB. 2	4. 54E-17	-0. 14254	0. 049	0. 2	6. 78E-13	CSCL	PHKB
RAP2C. 1	4. 68E-17	-0. 258	0. 01	0. 131	7. 00E-13	CSCL	RAP2C
RABIF. 1	4. 72E-17	-0. 10805	0. 042	0. 188	7. 06E-13	CSCL	RABIF
HMHA1. 2	4. 82E-17	-0. 45535	0. 002	0. 114	7. 21E-13	CSCL	HMHA1
RIOK3. 1	5. 00E-17	-0. 10567	0. 049	0. 2	7. 47E-13	CSCL	RIOK3
FILIP1L. 2	5. 24E-17	-0. 30389	0. 024	0. 156	7. 84E-13	CSCL	FILIP1L
MERTK. 2	5. 30E-17	-0. 40411	0. 01	0. 13	7. 92E-13	CSCL	MERTK
INO80C. 1	5. 40E-17	-0. 13608	0. 033	0. 172	8. 07E-13	CSCL	INO80C
PRKACA. 2	5. 41E-17	-0. 1885	0. 024	0. 156	8. 09E-13	CSCL	PRKACA
GSTP1. 2	5. 44E-17	0. 369395	0. 653	0. 83	8. 13E-13	CSCL	GSTP1
C6orf47. 1	5. 68E-17	-0. 11731	0. 019	0. 147	8. 49E-13	CSCL	C6orf47
TFDP2. 1	5. 69E-17	-0. 14488	0. 061	0. 22	8. 50E-13	CSCL	TFDP2
NDUFB8	5. 84E-17	0. 484052	0. 134	0. 052	8. 73E-13	CSCL	NDUFB8
NOC4L. 1	5. 93E-17	-0. 1765	0. 028	0. 163	8. 87E-13	CSCL	NOC4L
NDUFA13. 1	6. 03E-17	0. 380168	0. 632	0. 779	9. 00E-13	CSCL	NDUFA13
CNOT3. 1	6. 03E-17	-0. 13675	0. 031	0. 169	9. 01E-13	CSCL	CNOT3
CREBL2. 2	6. 03E-17	-0. 16544	0. 047	0. 196	9. 02E-13	CSCL	CREBL2
CASC3	6. 36E-17	-0. 13462	0. 045	0. 193	9. 50E-13	CSCL	CASC3
MED16. 1	6. 43E-17	-0. 14817	0. 03	0. 165	9. 61E-13	CSCL	MED16
PRR14. 1	6. 58E-17	-0. 13891	0. 054	0. 208	9. 83E-13	CSCL	PRR14
CNOT1. 2	6. 64E-17	-0. 19892	0. 024	0. 156	9. 92E-13	CSCL	CNOT1

SP3.2	6.65E-17	-0.10508	0.059	0.218	9.94E-13	CSCL	SP3
ZDHH6.1	6.77E-17	-0.17813	0.035	0.175	1.01E-12	CSCL	ZDHH6
BMP2K.1	6.81E-17	-0.37692	0.007	0.122	1.02E-12	CSCL	BMP2K
CEBPA.2	6.90E-17	-0.4267	0	0.109	1.03E-12	CSCL	CEBPA
ZMYND11.2	6.96E-17	-0.13473	0.023	0.153	1.04E-12	CSCL	ZMYND11
POLDIP3.1	7.06E-17	-0.1113	0.045	0.193	1.05E-12	CSCL	POLDIP3
C8orf82.2	7.30E-17	-0.11771	0.037	0.178	1.09E-12	CSCL	C8orf82
SERINC2	7.42E-17	-0.25273	0.009	0.126	1.11E-12	CSCL	SERINC2
SEPT4.2	7.49E-17	-0.38213	0.014	0.136	1.12E-12	CSCL	4-Sep
TGFBR2.2	7.64E-17	-0.34749	0.007	0.123	1.14E-12	CSCL	TGFBR2
IBTK.2	7.66E-17	-0.15907	0.035	0.174	1.14E-12	CSCL	IBTK
DVL2.1	7.95E-17	-0.15248	0.04	0.183	1.19E-12	CSCL	DVL2
TMEM131.2	7.96E-17	-0.16085	0.023	0.152	1.19E-12	CSCL	TMEM131
FAM208A.1	8.11E-17	-0.19521	0.019	0.146	1.21E-12	CSCL	FAM208A
DNAJC10.1	8.32E-17	-0.13372	0.052	0.204	1.24E-12	CSCL	DNAJC10
B4GALT1.2	8.36E-17	-0.39108	0.009	0.126	1.25E-12	CSCL	B4GALT1
TRIM13.2	8.82E-17	-0.14141	0.084	0.258	1.32E-12	CSCL	TRIM13
RFFL.2	8.92E-17	-0.13573	0.033	0.171	1.33E-12	CSCL	RFFL
TPST2.2	9.02E-17	-0.1056	0.035	0.174	1.35E-12	CSCL	TPST2
CDK5RAP1.1	9.23E-17	-0.16803	0.03	0.165	1.38E-12	CSCL	CDK5RAP1
NDEL1.1	9.42E-17	-0.28309	0.028	0.16	1.41E-12	CSCL	NDEL1
FAM104B.1	9.76E-17	-0.12884	0.049	0.198	1.46E-12	CSCL	FAM104B
AAK1.2	9.82E-17	-0.12116	0.101	0.286	1.47E-12	CSCL	AAK1
CTR9.1	1.00E-16	-0.18236	0.038	0.179	1.50E-12	CSCL	CTR9
TMEM181.2	1.05E-16	-0.10212	0.033	0.17	1.57E-12	CSCL	TMEM181
ARHGAP4.2	1.06E-16	-0.43234	0.007	0.121	1.58E-12	CSCL	ARHGAP4
FAH.1	1.09E-16	-0.15235	0.03	0.164	1.62E-12	CSCL	FAH
SLAIN2.2	1.11E-16	-0.20318	0.019	0.145	1.66E-12	CSCL	SLAIN2
NXF1.1	1.14E-16	-0.14095	0.054	0.205	1.70E-12	CSCL	NXF1
MLXIP.2	1.16E-16	-0.2059	0.045	0.19	1.74E-12	CSCL	MLXIP
RIN3.2	1.18E-16	-0.42408	0.007	0.121	1.76E-12	CSCL	RIN3
ST8SIA4.2	1.19E-16	-0.37783	0.009	0.125	1.77E-12	CSCL	ST8SIA4
GNA15.2	1.22E-16	-0.42763	0.003	0.115	1.83E-12	CSCL	GNA15
EPS15.2	1.23E-16	-0.24256	0.026	0.156	1.84E-12	CSCL	EPS15
GM2A.2	1.23E-16	-0.34639	0.023	0.15	1.84E-12	CSCL	GM2A
EFHD2.2	1.23E-16	-0.10602	0.061	0.218	1.84E-12	CSCL	EFHD2
ZC3H18.2	1.28E-16	-0.17991	0.03	0.163	1.92E-12	CSCL	ZC3H18
CANT1.1	1.30E-16	-0.12769	0.04	0.182	1.95E-12	CSCL	CANT1
MAPK3	1.32E-16	-0.11013	0.059	0.214	1.98E-12	CSCL	MAPK3
SCAP.1	1.34E-16	-0.14693	0.03	0.164	2.00E-12	CSCL	SCAP
ATXN2L	1.41E-16	-0.14923	0.042	0.184	2.10E-12	CSCL	ATXN2L
SLC50A1.1	1.47E-16	-0.24104	0.037	0.174	2.20E-12	CSCL	SLC50A1
FKBP1B	1.50E-16	-0.17397	0.01	0.128	2.24E-12	CSCL	FKBP1B
MCM5.2	1.50E-16	-0.26956	0.026	0.156	2.24E-12	CSCL	MCM5
DUSP11	1.52E-16	-0.12841	0.045	0.19	2.27E-12	CSCL	DUSP11
E2F6.1	1.54E-16	-0.14432	0.023	0.15	2.30E-12	CSCL	E2F6
WWTR1.2	1.56E-16	-0.10027	0.031	0.167	2.33E-12	CSCL	WWTR1
SH3BP1.2	1.57E-16	-0.32557	0.005	0.117	2.34E-12	CSCL	SH3BP1
RAB35.2	1.59E-16	-0.10511	0.035	0.172	2.37E-12	CSCL	RAB35
TMOD3.2	1.62E-16	-0.15855	0.023	0.15	2.41E-12	CSCL	TMOD3
PODXL2.2	1.67E-16	-0.10043	0.12	0.317	2.49E-12	CSCL	PODXL2

COMMD8.2	1.68E-16	-0.11134	0.07	0.232	2.51E-12	CSCL	COMMD8
MTG2.1	1.70E-16	-0.15634	0.024	0.153	2.55E-12	CSCL	MTG2
FAM214B.2	1.71E-16	-0.26772	0.009	0.124	2.55E-12	CSCL	FAM214B
VPS53.1	1.74E-16	-0.15367	0.031	0.166	2.60E-12	CSCL	VPS53
NR2F6.1	1.76E-16	-0.12226	0.021	0.147	2.63E-12	CSCL	NR2F6
PDHX.1	1.77E-16	-0.11268	0.038	0.178	2.65E-12	CSCL	PDHX
DUSP4.2	1.79E-16	-0.15218	0.044	0.186	2.67E-12	CSCL	DUSP4
FAM49A.1	1.82E-16	-0.18173	0.038	0.177	2.73E-12	CSCL	FAM49A
C6orf120.1	1.88E-16	-0.13818	0.019	0.144	2.81E-12	CSCL	C6orf120
TOM1.2	1.90E-16	-0.25114	0.033	0.167	2.84E-12	CSCL	TOM1
CCDC28A.1	1.91E-16	-0.2417	0.031	0.165	2.85E-12	CSCL	CCDC28A
EIF2B4.1	1.91E-16	-0.1348	0.049	0.195	2.86E-12	CSCL	EIF2B4
TPRA1.1	1.94E-16	-0.13013	0.033	0.168	2.90E-12	CSCL	TPRA1
EXT2.1	1.94E-16	-0.11824	0.038	0.178	2.90E-12	CSCL	EXT2
PARK7.2	1.94E-16	0.446544	0.611	0.774	2.90E-12	CSCL	PARK7
FZR1.2	1.95E-16	-0.16708	0.03	0.162	2.92E-12	CSCL	FZR1
RNF138	2.05E-16	-0.10163	0.044	0.187	3.06E-12	CSCL	RNF138
KCNMA1.1	2.11E-16	-0.24866	0.023	0.149	3.15E-12	CSCL	KCNMA1
RBM15B.2	2.18E-16	-0.10605	0.038	0.178	3.26E-12	CSCL	RBM15B
FAM168A.2	2.22E-16	-0.21258	0.014	0.133	3.32E-12	CSCL	FAM168A
NSRP1	2.25E-16	0.106858	0.147	0.367	3.37E-12	CSCL	NSRP1
ICAM3.2	2.32E-16	-0.30956	0	0.106	3.47E-12	CSCL	ICAM3
ARHGAP35.2	2.35E-16	-0.13817	0.024	0.153	3.51E-12	CSCL	ARHGAP35
ACOT9.2	2.38E-16	-0.12452	0.045	0.189	3.55E-12	CSCL	ACOT9
ZNF385A.2	2.49E-16	-0.27839	0.019	0.143	3.71E-12	CSCL	ZNF385A
MAP3K13.2	2.57E-16	0.124815	0.168	0.405	3.84E-12	CSCL	MAP3K13
NRSN2.1	2.78E-16	-0.10669	0.035	0.171	4.15E-12	CSCL	NRSN2
ZYG11B.2	2.85E-16	-0.17111	0.026	0.155	4.26E-12	CSCL	ZYG11B
SLC40A1.2	2.86E-16	-0.25463	0.021	0.145	4.27E-12	CSCL	SLC40A1
MAPK6.1	2.90E-16	-0.15678	0.04	0.179	4.33E-12	CSCL	MAPK6
ZCCHC6.2	2.91E-16	-0.28603	0.019	0.141	4.35E-12	CSCL	ZCCHC6
PAQR4.2	2.96E-16	-0.17672	0.035	0.171	4.42E-12	CSCL	PAQR4
LMBR1L.2	2.97E-16	-0.20463	0.047	0.191	4.44E-12	CSCL	LMBR1L
TBCD.2	2.99E-16	-0.14722	0.024	0.151	4.46E-12	CSCL	TBCD
MYADM.1	3.01E-16	-0.16112	0.052	0.2	4.50E-12	CSCL	MYADM
LPAR5.2	3.04E-16	-0.43241	0.002	0.109	4.54E-12	CSCL	LPAR5
CTA-29F11	3.05E-16	-0.18023	0.058	0.208	4.56E-12	CSCL	CTA-29F11.1
LGALS3.2	3.12E-16	0.634026	0.501	0.48	4.67E-12	CSCL	LGALS3
NUP93.1	3.19E-16	-0.10047	0.045	0.188	4.76E-12	CSCL	NUP93
ZNF330	3.21E-16	-0.11866	0.066	0.223	4.79E-12	CSCL	ZNF330
UBXN2A.1	3.25E-16	-0.11917	0.049	0.195	4.86E-12	CSCL	UBXN2A
RIN2.2	3.27E-16	-0.33324	0.014	0.132	4.88E-12	CSCL	RIN2
CYC1.2	3.32E-16	0.106518	0.248	0.554	4.96E-12	CSCL	CYC1
PNPLA6.2	3.32E-16	-0.13661	0.037	0.173	4.96E-12	CSCL	PNPLA6
LARP6.1	3.32E-16	-0.10196	0.052	0.2	4.97E-12	CSCL	LARP6
P4HA1	3.35E-16	-0.10276	0.072	0.232	5.01E-12	CSCL	P4HA1
MICAL1.2	3.46E-16	-0.31733	0.023	0.147	5.17E-12	CSCL	MICAL1
ALDH16A1.3	3.50E-16	-0.26473	0.01	0.125	5.23E-12	CSCL	ALDH16A1
SPHK1.2	3.51E-16	-0.27094	0.003	0.112	5.25E-12	CSCL	SPHK1
PLEC.2	3.52E-16	-0.13335	0.049	0.194	5.26E-12	CSCL	PLEC
C14orf119	3.53E-16	0.126398	0.122	0.323	5.28E-12	CSCL	C14orf119

C6orf226. 3.	5.9E-16	-0.10219	0.051	0.197	5.36E-12	CSCL	C6orf226
FKBP5. 2	3.61E-16	-0.12465	0.131	0.326	5.39E-12	CSCL	FKBP5
RENBP. 2	3.67E-16	-0.31701	0.019	0.141	5.49E-12	CSCL	RENBP
PHF11. 2	3.70E-16	-0.1916	0.023	0.148	5.53E-12	CSCL	PHF11
B3GALT6. 2	3.95E-16	-0.13732	0.021	0.144	5.90E-12	CSCL	B3GALT6
SETX. 2	3.99E-16	-0.10903	0.037	0.173	5.96E-12	CSCL	SETX
ZNF608	4.01E-16	-0.12534	0.031	0.164	5.99E-12	CSCL	ZNF608
VAMP7. 1	4.05E-16	-0.14495	0.037	0.173	6.05E-12	CSCL	VAMP7
DPYSL5. 2	4.12E-16	-0.13511	0.035	0.169	6.16E-12	CSCL	DPYSL5
LINC00936	4.15E-16	-0.30594	0.023	0.147	6.20E-12	CSCL	LINC00936
LDLRAD4. 2	4.18E-16	-0.33946	0.026	0.152	6.25E-12	CSCL	LDLRAD4
KANSL1. 2	4.21E-16	-0.16196	0.037	0.172	6.28E-12	CSCL	KANSL1
PELP1. 1	4.27E-16	-0.13671	0.028	0.157	6.38E-12	CSCL	PELP1
LTA4H. 1	4.41E-16	-0.11325	0.075	0.237	6.59E-12	CSCL	LTA4H
FAM168B. 1	4.47E-16	-0.11999	0.035	0.169	6.68E-12	CSCL	FAM168B
SLC2A3. 1	4.52E-16	-0.20687	0.092	0.263	6.76E-12	CSCL	SLC2A3
NDRG3. 2	4.62E-16	-0.11298	0.044	0.184	6.90E-12	CSCL	NDRG3
CASP6. 1	4.64E-16	-0.14634	0.035	0.169	6.93E-12	CSCL	CASP6
ATL3. 1	4.71E-16	-0.18161	0.021	0.144	7.04E-12	CSCL	ATL3
OCEL1. 1	4.72E-16	-0.1625	0.031	0.163	7.06E-12	CSCL	OCEL1
COL4A3BP. 4.	7.4E-16	-0.17329	0.024	0.15	7.08E-12	CSCL	COL4A3BP
UBE4A. 1	4.75E-16	-0.19178	0.03	0.159	7.10E-12	CSCL	UBE4A
PARP14. 2	4.79E-16	-0.14873	0.031	0.163	7.16E-12	CSCL	PARP14
SEPT7. 2	4.87E-16	0.462455	0.595	0.708	7.28E-12	CSCL	7-Sep
CYTH4. 2	4.89E-16	-0.41908	0.007	0.117	7.30E-12	CSCL	CYTH4
TAF3. 2	4.89E-16	-0.23971	0.012	0.128	7.31E-12	CSCL	TAF3
SETD3. 2	4.90E-16	-0.18662	0.031	0.162	7.32E-12	CSCL	SETD3
XAB2	4.91E-16	-0.13134	0.044	0.184	7.33E-12	CSCL	XAB2
AFTPH. 1	4.95E-16	-0.17924	0.03	0.159	7.40E-12	CSCL	AFTPH
ARHGEF1. 2	5.00E-16	-0.18706	0.056	0.204	7.47E-12	CSCL	ARHGEF1
HIPK2. 2	5.03E-16	-0.1367	0.07	0.229	7.52E-12	CSCL	HIPK2
PQBP1. 1	5.13E-16	0.1082	0.141	0.355	7.67E-12	CSCL	PQBP1
PLEKH02. 2	5.24E-16	-0.33736	0.002	0.107	7.82E-12	CSCL	PLEKH02
LINC00493	5.36E-16	0.115725	0.244	0.545	8.01E-12	CSCL	LINC00493
LYST. 1	5.36E-16	-0.13161	0.028	0.156	8.01E-12	CSCL	LYST
PHACTR1. 2	5.49E-16	-0.48467	0.01	0.123	8.20E-12	CSCL	PHACTR1
POLR2M. 1	5.55E-16	-0.10798	0.033	0.166	8.30E-12	CSCL	POLR2M
CD55. 2	5.61E-16	-0.42879	0.01	0.123	8.38E-12	CSCL	CD55
IREB2. 1	5.63E-16	-0.2193	0.031	0.161	8.41E-12	CSCL	IREB2
ANKH. 2	5.79E-16	-0.24488	0.028	0.155	8.65E-12	CSCL	ANKH
ATP13A1. 1	6.19E-16	-0.15792	0.035	0.168	9.24E-12	CSCL	ATP13A1
NSMCE4A. 2	6.42E-16	-0.11237	0.03	0.159	9.60E-12	CSCL	NSMCE4A
SLC35A2	6.46E-16	-0.20308	0.038	0.173	9.66E-12	CSCL	SLC35A2
GSPT2	6.68E-16	-0.1823	0.028	0.155	9.98E-12	CSCL	GSPT2
PHYKPL. 2	6.73E-16	-0.13181	0.059	0.209	1.01E-11	CSCL	PHYKPL
KLF2. 2	7.09E-16	-0.41272	0.019	0.137	1.06E-11	CSCL	KLF2
PDCD4. 2	7.15E-16	-0.26619	0.028	0.155	1.07E-11	CSCL	PDCD4
DCTPP1. 1	7.42E-16	0.132552	0.134	0.34	1.11E-11	CSCL	DCTPP1
SNRPD2. 2	7.92E-16	0.481447	0.606	0.755	1.18E-11	CSCL	SNRPD2
MESDC1. 2	8.19E-16	-0.21207	0.014	0.129	1.22E-11	CSCL	MESDC1
FBX025. 1	8.33E-16	-0.19572	0.03	0.158	1.24E-11	CSCL	FBX025

PRKAB1.1	8.59E-16	-0.17955	0.033	0.164	1.28E-11	CSCL	PRKAB1
LPXN.2	8.66E-16	-0.40914	0.007	0.115	1.29E-11	CSCL	LPXN
RCBTB2.2	8.76E-16	-0.27208	0.024	0.148	1.31E-11	CSCL	RCBTB2
MED13.1	8.82E-16	-0.10015	0.035	0.167	1.32E-11	CSCL	MED13
RP11-452F	8.92E-16	-0.2906	0.016	0.133	1.33E-11	CSCL	RP11-452F19.3
NOC2L.1	9.15E-16	0.109897	0.124	0.322	1.37E-11	CSCL	NOC2L
LHX2.2	9.40E-16	-0.16683	0.017	0.135	1.41E-11	CSCL	LHX2
UBE2C.2	9.42E-16	-0.4156	0.01	0.122	1.41E-11	CSCL	UBE2C
RAB40B.2	9.43E-16	-0.22358	0.017	0.135	1.41E-11	CSCL	RAB40B
FADD.1	9.48E-16	-0.14506	0.021	0.142	1.42E-11	CSCL	FADD
TULP4.2	9.59E-16	-0.16363	0.024	0.148	1.43E-11	CSCL	TULP4
PLXNB2.2	9.60E-16	-0.17563	0.033	0.163	1.43E-11	CSCL	PLXNB2
TBC1D12.2	9.65E-16	-0.28455	0.005	0.112	1.44E-11	CSCL	TBC1D12
UBE2N.1	9.68E-16	0.102846	0.244	0.536	1.45E-11	CSCL	UBE2N
C1orf174.	9.95E-16	-0.15498	0.031	0.16	1.49E-11	CSCL	C1orf174
SCO1	1.01E-15	-0.10969	0.038	0.173	1.50E-11	CSCL	SCO1
TMEM101.1	1.01E-15	-0.10196	0.063	0.214	1.51E-11	CSCL	TMEM101
C1GALT1.1	1.01E-15	-0.18219	0.037	0.169	1.51E-11	CSCL	C1GALT1
RRAGD.1	1.03E-15	-0.16012	0.017	0.135	1.54E-11	CSCL	RRAGD
TAB2.1	1.07E-15	-0.19948	0.016	0.132	1.60E-11	CSCL	TAB2
TEX261.1	1.07E-15	-0.13286	0.038	0.173	1.60E-11	CSCL	TEX261
PCID2.1	1.09E-15	-0.15404	0.047	0.187	1.63E-11	CSCL	PCID2
AIFM1.1	1.11E-15	-0.12873	0.026	0.151	1.66E-11	CSCL	AIFM1
TBC1D22A.	1.15E-15	-0.23918	0.014	0.128	1.71E-11	CSCL	TBC1D22A
APTX.1	1.16E-15	-0.18448	0.023	0.144	1.74E-11	CSCL	APTX
WBSCR16.1	1.17E-15	-0.10152	0.026	0.151	1.75E-11	CSCL	WBSCR16
NFATC2IP.	1.17E-15	-0.14068	0.037	0.169	1.75E-11	CSCL	NFATC2IP
GIT2.2	1.18E-15	-0.23493	0.031	0.159	1.77E-11	CSCL	GIT2
KDM5B.2	1.21E-15	-0.17249	0.037	0.168	1.80E-11	CSCL	KDM5B
SRFBP1.1	1.21E-15	-0.10225	0.047	0.188	1.82E-11	CSCL	SRFBP1
ARL4D.2	1.22E-15	-0.25654	0.042	0.175	1.83E-11	CSCL	ARL4D
ARSA.2	1.23E-15	-0.27797	0.021	0.141	1.84E-11	CSCL	ARSA
MTMR6.2	1.24E-15	-0.18752	0.026	0.151	1.86E-11	CSCL	MTMR6
SUCO	1.25E-15	-0.1332	0.031	0.16	1.87E-11	CSCL	SUCO
ZSWIM6.2	1.28E-15	-0.22785	0.017	0.134	1.91E-11	CSCL	ZSWIM6
SFT2D2.1	1.34E-15	-0.17318	0.028	0.154	2.00E-11	CSCL	SFT2D2
PITPNB.1	1.34E-15	-0.10844	0.042	0.178	2.01E-11	CSCL	PITPNB
TNFAIP3.2	1.36E-15	-0.31252	0.038	0.17	2.03E-11	CSCL	TNFAIP3
KLHL24.2	1.36E-15	-0.22448	0.047	0.186	2.04E-11	CSCL	KLHL24
VWA1.2	1.41E-15	-0.15786	0.026	0.15	2.11E-11	CSCL	VWA1
MAPRE2.1	1.47E-15	-0.10433	0.051	0.193	2.19E-11	CSCL	MAPRE2
UBALD1.1	1.58E-15	-0.1424	0.04	0.174	2.36E-11	CSCL	UBALD1
SNX8.2	1.58E-15	-0.20672	0.028	0.153	2.36E-11	CSCL	SNX8
IMPACT.1	1.59E-15	-0.10017	0.037	0.169	2.37E-11	CSCL	IMPACT
NUMB.2	1.60E-15	-0.16234	0.042	0.177	2.39E-11	CSCL	NUMB
KCTD17.2	1.60E-15	-0.10518	0.021	0.141	2.39E-11	CSCL	KCTD17
RUSC1.1	1.64E-15	-0.12722	0.023	0.144	2.44E-11	CSCL	RUSC1
CCNG2.2	1.64E-15	-0.21524	0.049	0.188	2.45E-11	CSCL	CCNG2
RPS6KA4.2	1.68E-15	-0.24726	0.014	0.127	2.50E-11	CSCL	RPS6KA4
BEND6.1	1.73E-15	-0.16294	0.012	0.124	2.58E-11	CSCL	BEND6
MPHOSPH8.	1.78E-15	0.111747	0.178	0.41	2.66E-11	CSCL	MPHOSPH8



SETD2. 2	1. 79E-15	-0. 12874	0. 026	0. 15	2. 68E-11 CSCL	SETD2
NOTCH2. 1	1. 82E-15	-0. 13652	0. 028	0. 153	2. 71E-11 CSCL	NOTCH2
SUSD3. 2	1. 88E-15	-0. 45383	0	0. 1	2. 81E-11 CSCL	SUSD3
SH3GLB2. 2	1. 89E-15	-0. 23144	0. 012	0. 124	2. 82E-11 CSCL	SH3GLB2
TLR2. 2	1. 98E-15	-0. 45132	0. 009	0. 116	2. 96E-11 CSCL	TLR2
PRPF18. 1	1. 98E-15	-0. 17028	0. 023	0. 143	2. 96E-11 CSCL	PRPF18
TUG1. 2	1. 98E-15	-0. 12508	0. 045	0. 182	2. 97E-11 CSCL	TUG1
EPB41L3. 2	1. 99E-15	-0. 40585	0. 005	0. 11	2. 98E-11 CSCL	EPB41L3
FRYL. 2	2. 02E-15	-0. 13703	0. 052	0. 195	3. 02E-11 CSCL	FRYL
RNPEPL1. 2	2. 03E-15	-0. 25843	0. 019	0. 136	3. 03E-11 CSCL	RNPEPL1
ZC3H7A. 2	2. 03E-15	-0. 16062	0. 03	0. 155	3. 04E-11 CSCL	ZC3H7A
DPM1. 2	2. 04E-15	0. 110874	0. 164	0. 389	3. 04E-11 CSCL	DPM1
TMC6. 2	2. 14E-15	-0. 39419	0. 009	0. 116	3. 20E-11 CSCL	TMC6
OPA1. 2	2. 27E-15	-0. 15414	0. 019	0. 136	3. 39E-11 CSCL	OPA1
FAM217B. 2	2. 28E-15	-0. 14705	0. 033	0. 161	3. 40E-11 CSCL	FAM217B
TNFAIP8L2	2. 34E-15	-0. 42397	0	0. 099	3. 50E-11 CSCL	TNFAIP8L2
CPQ	2. 35E-15	-0. 20632	0. 047	0. 184	3. 51E-11 CSCL	CPQ
METTL21A. 2	3. 37E-15	-0. 16316	0. 051	0. 19	3. 55E-11 CSCL	METTL21A
KLC2. 1	2. 37E-15	-0. 18338	0. 014	0. 127	3. 55E-11 CSCL	KLC2
REPS1. 1	2. 41E-15	-0. 15585	0. 017	0. 133	3. 60E-11 CSCL	REPS1
CENPW. 2	2. 44E-15	-0. 261	0. 012	0. 123	3. 64E-11 CSCL	CENPW
PYGL. 1	2. 45E-15	-0. 16327	0. 056	0. 199	3. 66E-11 CSCL	PYGL
MIB2. 1	2. 45E-15	-0. 12753	0. 03	0. 155	3. 66E-11 CSCL	MIB2
TMEM41B	2. 46E-15	-0. 12866	0. 045	0. 182	3. 68E-11 CSCL	TMEM41B
IKBKG. 2	2. 48E-15	-0. 17228	0. 021	0. 139	3. 71E-11 CSCL	IKBKG
RALB. 1	2. 49E-15	-0. 17046	0. 035	0. 163	3. 72E-11 CSCL	RALB
DUSP2. 2	2. 55E-15	-0. 46232	0. 009	0. 116	3. 81E-11 CSCL	DUSP2
CTC-524C5	2. 58E-15	-0. 16654	0. 012	0. 123	3. 86E-11 CSCL	CTC-524C5. 2
KIF3B. 2	2. 62E-15	-0. 15621	0. 019	0. 136	3. 92E-11 CSCL	KIF3B
SOD1. 1	2. 63E-15	0. 441838	0. 604	0. 764	3. 94E-11 CSCL	SOD1
TRIAP1	2. 69E-15	0. 130231	0. 126	0. 323	4. 02E-11 CSCL	TRIAP1
ACAA2. 1	2. 69E-15	-0. 12703	0. 066	0. 217	4. 02E-11 CSCL	ACAA2
ALYREF. 2	2. 72E-15	-0. 10376	0. 028	0. 152	4. 06E-11 CSCL	ALYREF
TYMS. 2	2. 76E-15	-0. 12301	0. 037	0. 167	4. 12E-11 CSCL	TYMS
UBXN2B. 2	2. 77E-15	-0. 20974	0. 031	0. 157	4. 14E-11 CSCL	UBXN2B
MTMR4. 1	2. 78E-15	-0. 10401	0. 037	0. 167	4. 15E-11 CSCL	MTMR4
RNF41	2. 83E-15	-0. 11192	0. 04	0. 173	4. 23E-11 CSCL	RNF41
GAL3ST4. 2	2. 85E-15	-0. 37399	0. 045	0. 178	4. 26E-11 CSCL	GAL3ST4
NF2. 2	2. 86E-15	-0. 10679	0. 031	0. 157	4. 27E-11 CSCL	NF2
PCF11. 1	2. 86E-15	-0. 11908	0. 063	0. 211	4. 28E-11 CSCL	PCF11
PPP1R35. 2	2. 87E-15	-0. 13498	0. 035	0. 164	4. 29E-11 CSCL	PPP1R35
UBE2E2. 1	2. 91E-15	-0. 141	0. 086	0. 248	4. 34E-11 CSCL	UBE2E2
CLK3. 1	2. 93E-15	-0. 13638	0. 038	0. 17	4. 38E-11 CSCL	CLK3
DHX40. 1	2. 98E-15	-0. 16862	0. 024	0. 145	4. 46E-11 CSCL	DHX40
ODF3B. 2	3. 01E-15	-0. 3526	0	0. 099	4. 50E-11 CSCL	ODF3B
DENND3. 2	3. 01E-15	-0. 41809	0. 003	0. 105	4. 51E-11 CSCL	DENND3
TNKS. 2	3. 02E-15	-0. 11827	0. 03	0. 155	4. 51E-11 CSCL	TNKS
POLR2H. 1	3. 07E-15	0. 115526	0. 133	0. 332	4. 59E-11 CSCL	POLR2H
DID01. 1	3. 10E-15	-0. 14725	0. 03	0. 154	4. 63E-11 CSCL	DID01
TMEM57. 2	3. 13E-15	-0. 13667	0. 045	0. 181	4. 67E-11 CSCL	TMEM57
AMDHD2. 2	3. 15E-15	-0. 2139	0. 016	0. 129	4. 71E-11 CSCL	AMDHD2

HDAC10. 2	3. 18E-15	-0. 25272	0. 007	0. 112	4. 76E-11	CSCL	HDAC10
ATXN80S. 2	3. 19E-15	0. 4095	0. 166	0. 075	4. 76E-11	CSCL	ATXN80S
POGK. 1	3. 21E-15	-0. 15369	0. 019	0. 135	4. 79E-11	CSCL	POGK
ANXA4. 2	3. 44E-15	-0. 13627	0. 058	0. 201	5. 13E-11	CSCL	ANXA4
EEF2	3. 44E-15	0. 346036	0. 644	0. 839	5. 14E-11	CSCL	EEF2
ORAI3. 1	3. 55E-15	-0. 17595	0. 026	0. 147	5. 30E-11	CSCL	ORAI3
SH3BP2. 1	3. 62E-15	-0. 20571	0. 024	0. 144	5. 41E-11	CSCL	SH3BP2
MFSD3. 2	3. 63E-15	-0. 15678	0. 014	0. 125	5. 42E-11	CSCL	MFSD3
CTSF. 1	3. 69E-15	0. 111939	0. 101	0. 278	5. 52E-11	CSCL	CTSF
TMEM106C.	3. 77E-15	0. 109535	0. 099	0. 275	5. 64E-11	CSCL	TMEM106C
CENPH. 1	3. 78E-15	-0. 18813	0. 017	0. 132	5. 64E-11	CSCL	CENPH
GLDN. 2	3. 81E-15	-0. 404	0. 002	0. 102	5. 69E-11	CSCL	GLDN
TXNDC11	4. 01E-15	-0. 23561	0. 012	0. 122	5. 99E-11	CSCL	TXNDC11
PMF1. 1	4. 12E-15	0. 104607	0. 133	0. 33	6. 15E-11	CSCL	PMF1
STK38L. 1	4. 20E-15	-0. 16427	0. 031	0. 156	6. 28E-11	CSCL	STK38L
UQCRQ. 2	4. 22E-15	0. 361778	0. 63	0. 808	6. 31E-11	CSCL	UQCRQ
ARRDC1. 2	4. 24E-15	-0. 21577	0. 023	0. 14	6. 33E-11	CSCL	ARRDC1
LIN7B	4. 25E-15	-0. 20245	0. 016	0. 128	6. 35E-11	CSCL	LIN7B
YY1AP1	4. 29E-15	-0. 12945	0. 044	0. 177	6. 41E-11	CSCL	YY1AP1
CARD8. 1	4. 46E-15	-0. 25034	0. 031	0. 155	6. 67E-11	CSCL	CARD8
GTF2H1	4. 46E-15	-0. 10743	0. 047	0. 183	6. 67E-11	CSCL	GTF2H1
NFKBIZ. 2	4. 47E-15	-0. 24606	0. 047	0. 182	6. 68E-11	CSCL	NFKBIZ
PIGS. 2	4. 52E-15	-0. 10134	0. 051	0. 189	6. 76E-11	CSCL	PIGS
ST6GALNAC	4. 54E-15	-0. 1825	0. 017	0. 131	6. 78E-11	CSCL	ST6GALNAC4
UTRN. 1	4. 59E-15	-0. 20648	0. 009	0. 115	6. 86E-11	CSCL	UTRN
IL17RA. 2	4. 65E-15	-0. 26185	0. 014	0. 125	6. 94E-11	CSCL	IL17RA
EBI3. 2	4. 66E-15	-0. 43785	0. 002	0. 101	6. 96E-11	CSCL	EBI3
PPP6R2. 2	4. 67E-15	-0. 14166	0. 031	0. 156	6. 98E-11	CSCL	PPP6R2
STK17B. 2	4. 69E-15	-0. 39649	0. 023	0. 138	7. 01E-11	CSCL	STK17B
TMEM19. 2	4. 71E-15	-0. 20597	0. 033	0. 159	7. 03E-11	CSCL	TMEM19
CLEC5A. 2	4. 75E-15	-0. 45931	0. 003	0. 104	7. 10E-11	CSCL	CLEC5A
ANKRD13D.	4. 82E-15	-0. 10742	0. 042	0. 174	7. 21E-11	CSCL	ANKRD13D
FUBP1. 2	4. 89E-15	-0. 11387	0. 077	0. 232	7. 31E-11	CSCL	FUBP1
EIF4EBP2.	4. 94E-15	-0. 13887	0. 026	0. 147	7. 38E-11	CSCL	EIF4EBP2
HAX1	4. 96E-15	0. 143397	0. 204	0. 458	7. 41E-11	CSCL	HAX1
NOVA1. 2	5. 06E-15	0. 503279	0. 482	0. 479	7. 56E-11	CSCL	NOVA1
SLC35B4. 1	5. 09E-15	-0. 10759	0. 056	0. 198	7. 60E-11	CSCL	SLC35B4
PTPRZ1. 2	5. 12E-15	0. 688181	0. 421	0. 382	7. 66E-11	CSCL	PTPRZ1
ARPC3	5. 13E-15	-0. 15121	0. 419	0. 824	7. 66E-11	CSCL	ARPC3
ITPR2. 2	5. 15E-15	-0. 13977	0. 021	0. 137	7. 69E-11	CSCL	ITPR2
TBC1D16. 1	5. 20E-15	-0. 21733	0. 023	0. 139	7. 77E-11	CSCL	TBC1D16
SYK. 2	5. 21E-15	-0. 36613	0. 007	0. 111	7. 79E-11	CSCL	SYK
TTYH2. 2	5. 30E-15	-0. 26173	0. 012	0. 121	7. 92E-11	CSCL	TTYH2
RBM33	5. 39E-15	-0. 1962	0. 031	0. 155	8. 05E-11	CSCL	RBM33
OAZ1. 1	5. 40E-15	0. 17235	0. 736	0. 936	8. 07E-11	CSCL	OAZ1
RFWD2. 2	5. 42E-15	-0. 10017	0. 04	0. 171	8. 10E-11	CSCL	RFWD2
GALNS. 1	5. 47E-15	-0. 14271	0. 021	0. 137	8. 18E-11	CSCL	GALNS
APH1B. 1	5. 50E-15	-0. 25038	0. 019	0. 133	8. 22E-11	CSCL	APH1B
DHRS11. 2	5. 55E-15	-0. 17785	0. 005	0. 107	8. 30E-11	CSCL	DHRS11
ASRGL1. 2	5. 61E-15	-0. 13386	0. 063	0. 208	8. 38E-11	CSCL	ASRGL1
CHD1L. 2	5. 79E-15	-0. 11684	0. 024	0. 143	8. 65E-11	CSCL	CHD1L

RELB. 1	5.90E-15	-0.23303	0.002	0.1	8.81E-11	CSCL	RELB
CWC15. 1	5.98E-15	0.113099	0.227	0.5	8.94E-11	CSCL	CWC15
TIMMDC1. 1	6.11E-15	0.104966	0.171	0.398	9.13E-11	CSCL	TIMMDC1
DARS. 2	6.14E-15	0.105492	0.182	0.414	9.17E-11	CSCL	DARS
ZNF771. 1	6.18E-15	-0.11244	0.03	0.152	9.23E-11	CSCL	ZNF771
ANK2. 2	6.32E-15	-0.117	0.04	0.17	9.44E-11	CSCL	ANK2
ZCCHC17. 1	6.38E-15	0.13686	0.15	0.362	9.53E-11	CSCL	ZCCHC17
TLE4. 2	6.57E-15	-0.13952	0.04	0.17	9.81E-11	CSCL	TLE4
SLC30A7. 1	6.57E-15	-0.11973	0.038	0.167	9.82E-11	CSCL	SLC30A7
ABR. 2	6.62E-15	-0.2246	0.03	0.151	9.89E-11	CSCL	ABR
BAP1. 1	6.65E-15	-0.16541	0.026	0.146	9.94E-11	CSCL	BAP1
ANAPC5. 1	6.65E-15	0.116301	0.176	0.407	9.94E-11	CSCL	ANAPC5
UCKL1	6.79E-15	-0.10111	0.037	0.164	1.01E-10	CSCL	UCKL1
KLHL12. 1	6.83E-15	-0.18696	0.017	0.13	1.02E-10	CSCL	KLHL12
PRKX. 2	7.13E-15	-0.24197	0.01	0.117	1.07E-10	CSCL	PRKX
C3. 2	7.58E-15	-0.16556	0.194	0.412	1.13E-10	CSCL	C3
BTBD1. 2	7.60E-15	-0.15637	0.031	0.154	1.14E-10	CSCL	BTBD1
RPP30. 1	7.62E-15	-0.1747	0.044	0.175	1.14E-10	CSCL	RPP30
PUSL1. 1	7.64E-15	-0.14115	0.016	0.126	1.14E-10	CSCL	PUSL1
USP4. 1	7.74E-15	-0.104	0.047	0.181	1.16E-10	CSCL	USP4
NCF2. 2	7.74E-15	-0.38583	0.005	0.106	1.16E-10	CSCL	NCF2
CD99L2. 1	7.82E-15	-0.13761	0.021	0.136	1.17E-10	CSCL	CD99L2
LRRC4B. 2	8.07E-15	-0.14752	0.023	0.139	1.21E-10	CSCL	LRRC4B
CUEDC1. 2	8.07E-15	-0.17156	0.012	0.12	1.21E-10	CSCL	CUEDC1
FAM118A. 2	8.11E-15	-0.25607	0.023	0.138	1.21E-10	CSCL	FAM118A
EML3. 1	8.17E-15	-0.17469	0.012	0.12	1.22E-10	CSCL	EML3
PFDN6. 1	8.23E-15	0.102598	0.152	0.363	1.23E-10	CSCL	PFDN6
DEF6. 2	8.48E-15	-0.37567	0	0.096	1.27E-10	CSCL	DEF6
CENPF. 2	8.60E-15	-0.36346	0.005	0.106	1.29E-10	CSCL	CENPF
CX3CR1. 2	8.60E-15	-0.44693	0.005	0.106	1.29E-10	CSCL	CX3CR1
C9orf72. 2	8.64E-15	-0.25064	0.033	0.156	1.29E-10	CSCL	C9orf72
DHRS3. 1	8.71E-15	-0.20534	0.045	0.177	1.30E-10	CSCL	DHRS3
LYAR. 1	8.72E-15	-0.11368	0.047	0.181	1.30E-10	CSCL	LYAR
FEN1. 1	8.80E-15	-0.14708	0.024	0.142	1.32E-10	CSCL	FEN1
VHL. 1	8.88E-15	-0.12683	0.04	0.169	1.33E-10	CSCL	VHL
CLN6. 2	9.07E-15	-0.20315	0.021	0.135	1.36E-10	CSCL	CLN6
CNIH2. 2	9.11E-15	-0.15293	0.021	0.135	1.36E-10	CSCL	CNIH2
SERF2. 1	9.14E-15	0.225209	0.703	0.905	1.37E-10	CSCL	SERF2
TATDN3. 2	9.24E-15	-0.13447	0.035	0.16	1.38E-10	CSCL	TATDN3
RAB3A. 2	9.24E-15	-0.23453	0.042	0.17	1.38E-10	CSCL	RAB3A
FOS. 2	9.27E-15	0.327552	0.667	0.85	1.39E-10	CSCL	FOS
WDR55. 1	9.38E-15	-0.18769	0.014	0.123	1.40E-10	CSCL	WDR55
TSC22D4. 2	9.40E-15	0.687583	0.475	0.47	1.40E-10	CSCL	TSC22D4
CERCAM	9.53E-15	-0.19114	0.021	0.135	1.42E-10	CSCL	CERCAM
HELZ. 2	9.58E-15	-0.11501	0.061	0.203	1.43E-10	CSCL	HELZ
RNMTL1. 1	9.63E-15	-0.15442	0.021	0.135	1.44E-10	CSCL	RNMTL1
EBNA1BP2. 1	9.66E-15	0.189177	0.152	0.364	1.44E-10	CSCL	EBNA1BP2
THBD. 2	9.69E-15	-0.41956	0.002	0.099	1.45E-10	CSCL	THBD
S100A11. 2	9.70E-15	-0.10333	0.34	0.673	1.45E-10	CSCL	S100A11
CERK. 2	9.98E-15	-0.2201	0.009	0.112	1.49E-10	CSCL	CERK
MAN2A1. 2	1.00E-14	-0.27426	0.01	0.115	1.49E-10	CSCL	MAN2A1

MTHFD2.1	1.00E-14	-0.10704	0.119	0.297	1.50E-10	CSCL	MTHFD2
TAGAP.2	1.02E-14	-0.46092	0.005	0.105	1.52E-10	CSCL	TAGAP
MOGS.1	1.02E-14	-0.19112	0.017	0.129	1.53E-10	CSCL	MOGS
RIPK2.2	1.02E-14	-0.16194	0.044	0.174	1.53E-10	CSCL	RIPK2
DUS1L.2	1.03E-14	-0.10923	0.023	0.138	1.54E-10	CSCL	DUS1L
STRN4.2	1.03E-14	-0.14279	0.017	0.129	1.55E-10	CSCL	STRN4
ASL.1	1.06E-14	-0.15991	0.045	0.177	1.58E-10	CSCL	ASL
FKBP15.2	1.07E-14	-0.18181	0.026	0.144	1.61E-10	CSCL	FKBP15
KCNF1.2	1.08E-14	-0.15559	0.017	0.129	1.61E-10	CSCL	KCNF1
LMNB2.2	1.08E-14	-0.17884	0.014	0.122	1.61E-10	CSCL	LMNB2
GMCL1.1	1.11E-14	-0.18481	0.038	0.165	1.66E-10	CSCL	GMCL1
HCFC1.2	1.11E-14	-0.16066	0.028	0.147	1.66E-10	CSCL	HCFC1
CXorf40B.1	1.11E-14	-0.11347	0.035	0.159	1.66E-10	CSCL	CXorf40B
DLX6-AS1.1	1.12E-14	-0.51307	0.023	0.135	1.68E-10	CSCL	DLX6-AS1
NCOA6.2	1.13E-14	-0.10822	0.024	0.141	1.69E-10	CSCL	NCOA6
INPPL1.2	1.15E-14	-0.16985	0.016	0.125	1.72E-10	CSCL	INPPL1
GPX3.1	1.18E-14	-0.21952	0.035	0.159	1.76E-10	CSCL	GPX3
SLC25A46.1	1.18E-14	-0.12539	0.035	0.159	1.77E-10	CSCL	SLC25A46
RBMXL1.1	1.19E-14	-0.15251	0.035	0.159	1.78E-10	CSCL	RBMXL1
ALCAM.2	1.20E-14	-0.13941	0.061	0.203	1.80E-10	CSCL	ALCAM
ARHGAP15.1	1.21E-14	-0.41155	0.003	0.102	1.82E-10	CSCL	ARHGAP15
PER1.1	1.24E-14	-0.24811	0.056	0.191	1.85E-10	CSCL	PER1
SPATA20.1	1.28E-14	-0.22925	0.023	0.137	1.91E-10	CSCL	SPATA20
SCD.2	1.40E-14	-0.10098	0.072	0.219	2.09E-10	CSCL	SCD
DYNC1LI2.1	1.41E-14	0.10159	0.148	0.354	2.11E-10	CSCL	DYNC1LI2
PLEKHF2.2	1.42E-14	-0.18106	0.021	0.133	2.12E-10	CSCL	PLEKHF2
SELPLG.2	1.47E-14	-0.42394	0.017	0.127	2.19E-10	CSCL	SELPLG
SESTD1.1	1.51E-14	-0.12232	0.038	0.165	2.25E-10	CSCL	SESTD1
KDM2B.1	1.51E-14	-0.14367	0.024	0.14	2.26E-10	CSCL	KDM2B
MBTPS1.1	1.51E-14	-0.10181	0.047	0.18	2.26E-10	CSCL	MBTPS1
LMNB1.2	1.54E-14	-0.16697	0.033	0.155	2.30E-10	CSCL	LMNB1
TOPORS.2	1.55E-14	-0.1211	0.051	0.185	2.31E-10	CSCL	TOPORS
ZNRF1.2	1.59E-14	-0.11064	0.014	0.121	2.37E-10	CSCL	ZNRF1
DCX.2	1.61E-14	-0.21977	0.068	0.211	2.41E-10	CSCL	DCX
NABP1.1	1.61E-14	-0.37458	0.019	0.129	2.41E-10	CSCL	NABP1
FAM118B.1	1.62E-14	-0.10598	0.031	0.152	2.42E-10	CSCL	FAM118B
SLC7A5.2	1.64E-14	-0.32215	0.028	0.144	2.45E-10	CSCL	SLC7A5
PBDC1.1	1.66E-14	0.116619	0.099	0.269	2.48E-10	CSCL	PBDC1
EHMT1.2	1.68E-14	-0.13554	0.031	0.152	2.51E-10	CSCL	EHMT1
RPS6KA3.2	1.73E-14	-0.15359	0.026	0.143	2.58E-10	CSCL	RPS6KA3
LRRC25.2	1.83E-14	-0.40702	0.002	0.097	2.73E-10	CSCL	LRRC25
UTP23.1	1.84E-14	-0.13028	0.033	0.155	2.74E-10	CSCL	UTP23
CCDC91.1	1.84E-14	-0.1262	0.063	0.204	2.75E-10	CSCL	CCDC91
ORAI1.2	1.87E-14	-0.11773	0.019	0.13	2.79E-10	CSCL	ORAI1
TXNRD2.2	1.88E-14	-0.18603	0.016	0.123	2.81E-10	CSCL	TXNRD2
C8orf76.1	1.88E-14	-0.12335	0.038	0.164	2.81E-10	CSCL	C8orf76
ICAM1.1	1.92E-14	-0.18016	0.042	0.17	2.88E-10	CSCL	ICAM1
UGCG.1	1.93E-14	-0.11951	0.038	0.164	2.88E-10	CSCL	UGCG
TAF13.1	1.94E-14	-0.11304	0.026	0.143	2.90E-10	CSCL	TAF13
C7orf26.2	1.97E-14	-0.13867	0.038	0.164	2.94E-10	CSCL	C7orf26
FAM91A1.2	2.01E-14	-0.18646	0.019	0.129	3.00E-10	CSCL	FAM91A1

CCRL2.2	2.03E-14	-0.42198	0	0.093	3.04E-10	CSCL	CCRL2
SLC2A8.1	2.04E-14	-0.17516	0.028	0.145	3.05E-10	CSCL	SLC2A8
DENND6B.2	2.10E-14	-0.28196	0.007	0.107	3.14E-10	CSCL	DENND6B
NMRK1.1	2.11E-14	-0.22214	0.028	0.145	3.16E-10	CSCL	NMRK1
TRIM8.2	2.12E-14	-0.2655	0.005	0.103	3.16E-10	CSCL	TRIM8
NUP54.1	2.12E-14	-0.12837	0.051	0.184	3.17E-10	CSCL	NUP54
NAA35	2.13E-14	-0.13934	0.026	0.142	3.18E-10	CSCL	NAA35
ARID1B.2	2.14E-14	-0.16987	0.021	0.133	3.20E-10	CSCL	ARID1B
PHKG2.1	2.25E-14	-0.13114	0.037	0.161	3.36E-10	CSCL	PHKG2
PALD1.2	2.27E-14	-0.34798	0.007	0.107	3.39E-10	CSCL	PALD1
RAB11A	2.27E-14	0.147699	0.218	0.479	3.39E-10	CSCL	RAB11A
TUBB2B.1	2.33E-14	0.392196	0.553	0.555	3.49E-10	CSCL	TUBB2B
DBF4.1	2.34E-14	-0.22746	0.017	0.126	3.50E-10	CSCL	DBF4
PHTF1.1	2.36E-14	-0.18057	0.017	0.126	3.53E-10	CSCL	PHTF1
RANBP9.1	2.37E-14	-0.12912	0.035	0.157	3.55E-10	CSCL	RANBP9
TK2.2	2.38E-14	-0.14274	0.019	0.129	3.56E-10	CSCL	TK2
ZNF267.2	2.39E-14	-0.25534	0.024	0.138	3.58E-10	CSCL	ZNF267
PRKAG2.2	2.47E-14	-0.29207	0.028	0.143	3.69E-10	CSCL	PRKAG2
CYB561A3.2	2.59E-14	-0.19441	0.035	0.156	3.88E-10	CSCL	CYB561A3
DPYSL4.2	2.64E-14	-0.13056	0.037	0.16	3.95E-10	CSCL	DPYSL4
FECH	2.65E-14	-0.13504	0.017	0.126	3.96E-10	CSCL	FECH
CRNKL1.1	2.69E-14	-0.10063	0.035	0.157	4.03E-10	CSCL	CRNKL1
SLC11A2.1	2.73E-14	-0.12468	0.045	0.175	4.08E-10	CSCL	SLC11A2
PTEN.2	2.75E-14	-0.18439	0.023	0.135	4.10E-10	CSCL	PTEN
KIAA0101.2	2.78E-14	-0.27239	0.016	0.123	4.16E-10	CSCL	KIAA0101
DCP2.2	2.82E-14	-0.11725	0.035	0.156	4.21E-10	CSCL	DCP2
SLC48A1.1	2.91E-14	-0.19765	0.024	0.138	4.35E-10	CSCL	SLC48A1
TMEM14A.1	2.91E-14	0.104087	0.138	0.333	4.35E-10	CSCL	TMEM14A
MAPKAPK2.2	2.96E-14	-0.11068	0.024	0.138	4.42E-10	CSCL	MAPKAPK2
CDKN2AIP.2	2.99E-14	-0.15479	0.033	0.153	4.47E-10	CSCL	CDKN2AIP
MOSPD1	2.99E-14	-0.13027	0.023	0.135	4.47E-10	CSCL	MOSPD1
ATG4C.2	3.07E-14	-0.15615	0.028	0.144	4.59E-10	CSCL	ATG4C
ICA1.1	3.09E-14	-0.26451	0.014	0.118	4.61E-10	CSCL	ICA1
ATPAF1.2	3.12E-14	0.134268	0.087	0.248	4.67E-10	CSCL	ATPAF1
SLC35E2B.3	3.23E-14	-0.13781	0.031	0.15	4.83E-10	CSCL	SLC35E2B
NLRP3.2	3.24E-14	-0.40874	0	0.092	4.84E-10	CSCL	NLRP3
ARHGAP30.3	3.24E-14	-0.36038	0.003	0.099	4.85E-10	CSCL	ARHGAP30
DNAJC9.1	3.28E-14	-0.13104	0.042	0.168	4.91E-10	CSCL	DNAJC9
NDUFV1.1	3.31E-14	0.119149	0.227	0.492	4.94E-10	CSCL	NDUFV1
APOD.1	3.38E-14	0.612872	0.255	0.156	5.05E-10	CSCL	APOD
SH3PXD2B.3	3.39E-14	-0.11819	0.016	0.122	5.07E-10	CSCL	SH3PXD2B
RRM1.1	3.41E-14	-0.10507	0.056	0.192	5.10E-10	CSCL	RRM1
C18orf8.1	3.48E-14	-0.15188	0.014	0.119	5.20E-10	CSCL	C18orf8
SYNE2.2	3.52E-14	-0.12246	0.049	0.18	5.26E-10	CSCL	SYNE2
MCAT.1	3.58E-14	-0.16957	0.023	0.134	5.36E-10	CSCL	MCAT
ATP6VOB.2	3.61E-14	-0.10946	0.421	0.817	5.39E-10	CSCL	ATP6VOB
FAM107B.2	3.64E-14	-0.25568	0.019	0.127	5.44E-10	CSCL	FAM107B
RASSF1.1	3.68E-14	-0.11341	0.04	0.165	5.50E-10	CSCL	RASSF1
SIK1.2	3.69E-14	-0.32934	0.007	0.105	5.51E-10	CSCL	SIK1
C12orf10	3.69E-14	0.142825	0.134	0.327	5.52E-10	CSCL	C12orf10
GOS2.1	3.71E-14	-0.27227	0.058	0.191	5.55E-10	CSCL	GOS2

CBFA2T2. 2	3. 72E-14	-0. 1754	0. 023	0. 134	5. 57E-10 CSCL	CBFA2T2
ZDHHC7. 2	3. 75E-14	-0. 14867	0. 033	0. 153	5. 60E-10 CSCL	ZDHHC7
KAT8. 1	3. 76E-14	-0. 14593	0. 051	0. 183	5. 61E-10 CSCL	KAT8
SNHG12. 2	3. 76E-14	-0. 28274	0. 026	0. 14	5. 62E-10 CSCL	SNHG12
ZDHHC9. 2	3. 77E-14	-0. 10318	0. 045	0. 174	5. 64E-10 CSCL	ZDHHC9
RCE1. 1	3. 79E-14	-0. 16977	0. 023	0. 134	5. 66E-10 CSCL	RCE1
OPTN	3. 83E-14	-0. 10465	0. 026	0. 141	5. 72E-10 CSCL	OPTN
DCAF15. 1	3. 88E-14	-0. 15875	0. 012	0. 115	5. 79E-10 CSCL	DCAF15
ABCG1. 2	3. 90E-14	-0. 30208	0. 024	0. 137	5. 83E-10 CSCL	ABCG1
APBB1. 1	3. 92E-14	-0. 13778	0. 059	0. 196	5. 86E-10 CSCL	APBB1
OTUD5. 2	3. 93E-14	-0. 16422	0. 026	0. 14	5. 87E-10 CSCL	OTUD5
ANXA2. 1	4. 07E-14	-0. 12008	0. 265	0. 526	6. 08E-10 CSCL	ANXA2
PRDM1. 2	4. 07E-14	-0. 38166	0. 007	0. 105	6. 08E-10 CSCL	PRDM1
RPS6KB1. 1	4. 14E-14	-0. 11907	0. 023	0. 134	6. 18E-10 CSCL	RPS6KB1
DDX49. 1	4. 16E-14	0. 1033	0. 108	0. 283	6. 22E-10 CSCL	DDX49
KLF7. 2	4. 20E-14	-0. 11298	0. 07	0. 213	6. 27E-10 CSCL	KLF7
CD200. 2	4. 20E-14	-0. 20792	0. 012	0. 115	6. 27E-10 CSCL	CD200
ERGIC2	4. 28E-14	0. 116053	0. 155	0. 362	6. 40E-10 CSCL	ERGIC2
HMOX2. 1	4. 33E-14	0. 113462	0. 122	0. 304	6. 47E-10 CSCL	HMOX2
ATP13A2. 2	4. 34E-14	-0. 12227	0. 03	0. 146	6. 48E-10 CSCL	ATP13A2
SIGLEC9. 2	4. 54E-14	-0. 40552	0. 003	0. 097	6. 79E-10 CSCL	SIGLEC9
ZCRB1. 2	4. 55E-14	0. 167036	0. 234	0. 504	6. 80E-10 CSCL	ZCRB1
HSDL1. 1	4. 57E-14	-0. 16313	0. 024	0. 136	6. 83E-10 CSCL	HSDL1
ABCF3	4. 60E-14	-0. 1337	0. 031	0. 149	6. 87E-10 CSCL	ABCF3
SH2B1. 1	4. 62E-14	-0. 1253	0. 035	0. 155	6. 90E-10 CSCL	SH2B1
BARD1. 1	4. 65E-14	-0. 11485	0. 033	0. 152	6. 95E-10 CSCL	BARD1
AGFG1. 1	4. 75E-14	-0. 12493	0. 024	0. 137	7. 10E-10 CSCL	AGFG1
CNIH4. 1	4. 77E-14	0. 12087	0. 168	0. 384	7. 13E-10 CSCL	CNIH4
LPGAT1. 2	4. 87E-14	-0. 11809	0. 023	0. 133	7. 28E-10 CSCL	LPGAT1
CTDSPL2. 1	5. 01E-14	-0. 17067	0. 012	0. 114	7. 48E-10 CSCL	CTDSPL2
ATXN1. 1	5. 05E-14	-0. 12525	0. 044	0. 169	7. 55E-10 CSCL	ATXN1
CDC42BPB.	5. 09E-14	-0. 13406	0. 017	0. 124	7. 61E-10 CSCL	CDC42BPB
PQLC1. 2	5. 10E-14	-0. 12266	0. 026	0. 14	7. 63E-10 CSCL	PQLC1
CCZ1B. 1	5. 14E-14	-0. 16194	0. 037	0. 157	7. 69E-10 CSCL	CCZ1B
NSUN2. 1	5. 15E-14	-0. 14598	0. 026	0. 14	7. 69E-10 CSCL	NSUN2
MSH3	5. 17E-14	-0. 18848	0. 01	0. 111	7. 72E-10 CSCL	MSH3
CUL4A. 1	5. 46E-14	-0. 12226	0. 033	0. 151	8. 16E-10 CSCL	CUL4A
SOX12. 1	5. 52E-14	-0. 12624	0. 016	0. 121	8. 26E-10 CSCL	SOX12
ELMSAN1. 1	5. 66E-14	-0. 18116	0. 026	0. 139	8. 46E-10 CSCL	ELMSAN1
TP53I3. 1	5. 73E-14	-0. 16078	0. 033	0. 151	8. 56E-10 CSCL	TP53I3
NUP88. 1	5. 83E-14	-0. 13381	0. 023	0. 133	8. 72E-10 CSCL	NUP88
RANGAP1. 2	5. 84E-14	-0. 19826	0. 009	0. 107	8. 73E-10 CSCL	RANGAP1
HPGDS. 2	5. 87E-14	-0. 44577	0. 002	0. 093	8. 77E-10 CSCL	HPGDS
HYOU1. 1	5. 93E-14	-0. 12316	0. 03	0. 145	8. 86E-10 CSCL	HYOU1
BTK. 2	6. 03E-14	-0. 37102	0	0. 09	9. 01E-10 CSCL	BTK
RND3. 1	6. 21E-14	-0. 18914	0. 096	0. 25	9. 28E-10 CSCL	RND3
FAM32A. 1	6. 21E-14	0. 145593	0. 213	0. 464	9. 28E-10 CSCL	FAM32A
USP36. 2	6. 31E-14	-0. 17104	0. 03	0. 144	9. 43E-10 CSCL	USP36
NAV1. 2	6. 38E-14	-0. 1117	0. 044	0. 169	9. 53E-10 CSCL	NAV1
ANKRD37	6. 40E-14	-0. 2013	0. 031	0. 147	9. 56E-10 CSCL	ANKRD37
ZFC3H1. 1	6. 70E-14	-0. 13384	0. 021	0. 129	1. 00E-09 CSCL	ZFC3H1

QSER1.2	6.71E-14	-0.12056	0.017	0.123	1.00E-09	CSCL	QSER1
WIPF3.2	6.72E-14	-0.23761	0.003	0.097	1.00E-09	CSCL	WIPF3
TBC1D14.2	6.82E-14	-0.10421	0.049	0.177	1.02E-09	CSCL	TBC1D14
OSBPL2.1	6.88E-14	-0.10513	0.026	0.139	1.03E-09	CSCL	OSBPL2
ZDHHC16.1	6.93E-14	-0.12516	0.01	0.11	1.03E-09	CSCL	ZDHHC16
SNRPN.2	7.07E-14	0.659855	0.18	0.094	1.06E-09	CSCL	SNRPN
SMG1.2	7.21E-14	-0.1342	0.044	0.168	1.08E-09	CSCL	SMG1
CDYL.2	7.22E-14	-0.12498	0.016	0.12	1.08E-09	CSCL	CDYL
DUSP22.2	7.36E-14	-0.24265	0.014	0.116	1.10E-09	CSCL	DUSP22
MAML1.2	7.38E-14	-0.25567	0.017	0.122	1.10E-09	CSCL	MAML1
NCAPH2.2	7.52E-14	-0.13684	0.024	0.135	1.12E-09	CSCL	NCAPH2
THAP2	7.62E-14	-0.2048	0.023	0.132	1.14E-09	CSCL	THAP2
CYB5B.2	7.93E-14	0.154336	0.148	0.347	1.18E-09	CSCL	CYB5B
TBK1.1	8.05E-14	-0.13119	0.037	0.156	1.20E-09	CSCL	TBK1
GNPAT.1	8.05E-14	0.107202	0.089	0.247	1.20E-09	CSCL	GNPAT
ATP5SL.1	8.09E-14	0.123439	0.084	0.238	1.21E-09	CSCL	ATP5SL
LILRB1.2	8.33E-14	-0.37015	0.003	0.096	1.24E-09	CSCL	LILRB1
ZBTB43.1	8.38E-14	-0.14123	0.037	0.156	1.25E-09	CSCL	ZBTB43
NDUFA10.1	8.38E-14	0.121558	0.206	0.45	1.25E-09	CSCL	NDUFA10
ARAP1.2	8.46E-14	-0.26901	0.012	0.113	1.26E-09	CSCL	ARAP1
CDKN3.1	8.58E-14	-0.2763	0.003	0.096	1.28E-09	CSCL	CDKN3
NUSAP1.2	8.60E-14	-0.34232	0.01	0.109	1.29E-09	CSCL	NUSAP1
VEGFB.1	8.62E-14	-0.11894	0.033	0.15	1.29E-09	CSCL	VEGFB
FAM210A.1	9.23E-14	-0.13528	0.031	0.147	1.38E-09	CSCL	FAM210A
STRBP.2	9.43E-14	-0.10993	0.023	0.132	1.41E-09	CSCL	STRBP
CCDC57.2	9.48E-14	-0.2563	0.012	0.112	1.42E-09	CSCL	CCDC57
DOCK10.2	9.85E-14	-0.19763	0.023	0.131	1.47E-09	CSCL	DOCK10
POP5.1	9.96E-14	0.136862	0.124	0.305	1.49E-09	CSCL	POP5
HLA-DQB2.1	9.97E-14	-0.56479	0.007	0.102	1.49E-09	CSCL	HLA-DQB2
CHN2.2	9.97E-14	-0.30877	0.007	0.102	1.49E-09	CSCL	CHN2
PSMG3.1	1.01E-13	0.120333	0.143	0.336	1.51E-09	CSCL	PSMG3
ABCB8.1	1.01E-13	-0.11278	0.031	0.147	1.52E-09	CSCL	ABCB8
CEP78.2	1.02E-13	-0.10928	0.016	0.119	1.53E-09	CSCL	CEP78
PCYT1A	1.03E-13	-0.10315	0.024	0.135	1.54E-09	CSCL	PCYT1A
ADAM10.2	1.05E-13	-0.11433	0.058	0.19	1.57E-09	CSCL	ADAM10
S100A6.2	1.06E-13	0.504829	0.574	0.647	1.59E-09	CSCL	S100A6
RNF135.2	1.08E-13	-0.20231	0.014	0.116	1.62E-09	CSCL	RNF135
TBC1D1.2	1.11E-13	-0.16575	0.021	0.128	1.66E-09	CSCL	TBC1D1
UQCC2	1.14E-13	0.140132	0.201	0.438	1.70E-09	CSCL	UQCC2
C11orf73.1	1.15E-13	0.133116	0.195	0.432	1.72E-09	CSCL	C11orf73
CCDC25.2	1.16E-13	0.173514	0.124	0.306	1.73E-09	CSCL	CCDC25
RNF2.1	1.17E-13	-0.11265	0.035	0.152	1.75E-09	CSCL	RNF2
SENP5.1	1.18E-13	-0.11416	0.03	0.143	1.76E-09	CSCL	SENP5
TMEM119.2	1.20E-13	-0.44931	0.012	0.11	1.79E-09	CSCL	TMEM119
NDUFA8	1.27E-13	0.152898	0.234	0.504	1.89E-09	CSCL	NDUFA8
DGUOK.1	1.27E-13	0.108443	0.25	0.529	1.90E-09	CSCL	DGUOK
CTD-3184A	1.28E-13	-0.15645	0.007	0.102	1.91E-09	CSCL	CTD-3184A7.4
IL10.2	1.30E-13	-0.44269	0.012	0.111	1.95E-09	CSCL	IL10
PMPCA.1	1.31E-13	0.102768	0.094	0.254	1.96E-09	CSCL	PMPCA
POMT1.1	1.34E-13	-0.11128	0.03	0.143	2.01E-09	CSCL	POMT1
PTDSS2.2	1.37E-13	-0.10827	0.038	0.158	2.04E-09	CSCL	PTDSS2

PXK. 1	1. 38E-13	-0. 15046	0. 031	0. 146	2. 07E-09	CSCL	PXK
NONO. 2	1. 42E-13	0. 167505	0. 215	0. 467	2. 12E-09	CSCL	NONO
PPP3R1. 2	1. 42E-13	-0. 1361	0. 016	0. 118	2. 13E-09	CSCL	PPP3R1
KLHL23. 2	1. 45E-13	-0. 12322	0. 044	0. 167	2. 16E-09	CSCL	KLHL23
MFSD5. 1	1. 48E-13	-0. 13536	0. 016	0. 118	2. 21E-09	CSCL	MFSD5
SIRT2. 2	1. 49E-13	0. 122118	0. 197	0. 427	2. 23E-09	CSCL	SIRT2
ANAPC13. 2	1. 50E-13	0. 164444	0. 159	0. 364	2. 24E-09	CSCL	ANAPC13
FBXW7. 1	1. 52E-13	-0. 17461	0. 024	0. 133	2. 27E-09	CSCL	FBXW7
FAM111A. 2	1. 52E-13	-0. 21176	0. 014	0. 114	2. 27E-09	CSCL	FAM111A
LGALS8. 1	1. 58E-13	-0. 1073	0. 038	0. 157	2. 35E-09	CSCL	LGALS8
RILP. 2	1. 59E-13	-0. 20866	0. 01	0. 108	2. 37E-09	CSCL	RILP
BRI3BP. 2	1. 60E-13	-0. 13911	0. 016	0. 118	2. 40E-09	CSCL	BRI3BP
CREB3L2. 2	1. 62E-13	-0. 26744	0. 023	0. 129	2. 42E-09	CSCL	CREB3L2
NCOA7. 1	1. 66E-13	-0. 24267	0. 017	0. 12	2. 49E-09	CSCL	NCOA7
MARK2. 2	1. 67E-13	-0. 13148	0. 023	0. 13	2. 49E-09	CSCL	MARK2
TOMM70A. 2	1. 67E-13	-0. 1189	0. 023	0. 13	2. 50E-09	CSCL	TOMM70A
RC3H2. 1	1. 70E-13	-0. 197	0. 007	0. 101	2. 55E-09	CSCL	RC3H2
PTAR1. 2	1. 71E-13	-0. 10148	0. 03	0. 142	2. 55E-09	CSCL	PTAR1
TCAIM. 1	1. 73E-13	-0. 10957	0. 03	0. 142	2. 59E-09	CSCL	TCAIM
PRPS2. 1	1. 74E-13	-0. 11897	0. 023	0. 13	2. 60E-09	CSCL	PRPS2
NAGPA. 1	1. 74E-13	-0. 19214	0. 014	0. 114	2. 61E-09	CSCL	NAGPA
SMAD4. 1	1. 75E-13	-0. 10859	0. 021	0. 127	2. 61E-09	CSCL	SMAD4
CSTF1. 1	1. 75E-13	-0. 1117	0. 026	0. 136	2. 62E-09	CSCL	CSTF1
CNTRL. 2	1. 79E-13	-0. 16425	0. 019	0. 123	2. 67E-09	CSCL	CNTRL
NBPF10. 1	1. 81E-13	-0. 1444	0. 035	0. 151	2. 70E-09	CSCL	NBPF10
CEP104. 1	1. 86E-13	-0. 1286	0. 021	0. 127	2. 78E-09	CSCL	CEP104
ZWINT. 2	1. 87E-13	-0. 28287	0. 005	0. 097	2. 79E-09	CSCL	ZWINT
ARHGAP9. 2	1. 88E-13	-0. 34922	0. 002	0. 09	2. 81E-09	CSCL	ARHGAP9
KRBOX1. 1	1. 90E-13	0. 246798	0. 026	0. 004	2. 84E-09	CSCL	KRBOX1
TRAPPC10. 1	1. 93E-13	-0. 23862	0. 005	0. 097	2. 89E-09	CSCL	TRAPPC10
SH2B3. 2	2. 01E-13	-0. 25861	0. 014	0. 113	3. 01E-09	CSCL	SH2B3
TTL. 1	2. 07E-13	-0. 18838	0. 019	0. 123	3. 09E-09	CSCL	TTL
RABL2B. 1	2. 07E-13	-0. 13871	0. 024	0. 132	3. 10E-09	CSCL	RABL2B
PBX3. 2	2. 22E-13	-0. 13697	0. 019	0. 123	3. 31E-09	CSCL	PBX3
PAXBP1. 1	2. 22E-13	-0. 10873	0. 044	0. 165	3. 32E-09	CSCL	PAXBP1
LGR4. 2	2. 26E-13	-0. 12747	0. 01	0. 107	3. 38E-09	CSCL	LGR4
SLC30A1. 1	2. 27E-13	-0. 1838	0. 003	0. 093	3. 39E-09	CSCL	SLC30A1
SLC25A24. 1	2. 28E-13	-0. 21645	0. 009	0. 103	3. 41E-09	CSCL	SLC25A24
TSPAN5. 2	2. 31E-13	0. 101335	0. 105	0. 27	3. 45E-09	CSCL	TSPAN5
PIAS1. 2	2. 32E-13	-0. 15944	0. 044	0. 164	3. 47E-09	CSCL	PIAS1
CYTL1. 2	2. 35E-13	-0. 4319	0. 016	0. 115	3. 51E-09	CSCL	CYTL1
SLC22A18. 1	2. 44E-13	-0. 12487	0. 023	0. 129	3. 65E-09	CSCL	SLC22A18
KXD1. 2	2. 44E-13	0. 112835	0. 215	0. 461	3. 65E-09	CSCL	KXD1
HPS5. 2	2. 52E-13	-0. 16201	0. 017	0. 119	3. 76E-09	CSCL	HPS5
CENPU. 2	2. 52E-13	-0. 21256	0. 012	0. 11	3. 76E-09	CSCL	CENPU
SEPT10. 1	2. 54E-13	-0. 13844	0. 019	0. 122	3. 79E-09	CSCL	10-Sep
PAG1. 2	2. 56E-13	-0. 18267	0. 051	0. 175	3. 83E-09	CSCL	PAG1
CYTIP. 2	2. 62E-13	-0. 42143	0. 012	0. 109	3. 91E-09	CSCL	CYTIP
KCNMB4. 2	2. 62E-13	-0. 17748	0. 023	0. 128	3. 92E-09	CSCL	KCNMB4
CERS6. 2	2. 65E-13	-0. 10179	0. 024	0. 132	3. 96E-09	CSCL	CERS6
PTBP3. 2	2. 70E-13	-0. 18998	0. 016	0. 116	4. 03E-09	CSCL	PTBP3



PSMA4	2.73E-13	0.150929	0.26	0.552	4.07E-09	CSCL	PSMA4
EXOC3	2.84E-13	-0.10472	0.026	0.135	4.24E-09	CSCL	EXOC3
RAB3GAP1.	2.86E-13	-0.16694	0.031	0.143	4.27E-09	CSCL	RAB3GAP1
GLS. 2	2.89E-13	-0.1754	0.026	0.134	4.32E-09	CSCL	GLS
CEP57L1. 1	2.93E-13	-0.19753	0.016	0.116	4.37E-09	CSCL	CEP57L1
SLC35F2. 1	2.95E-13	-0.16383	0.014	0.112	4.41E-09	CSCL	SLC35F2
NUP50. 2	2.96E-13	-0.10834	0.019	0.122	4.42E-09	CSCL	NUP50
CDK9. 1	2.96E-13	-0.10776	0.033	0.146	4.43E-09	CSCL	CDK9
INPP5K	2.99E-13	-0.13161	0.021	0.125	4.46E-09	CSCL	INPP5K
SNRPD1	3.00E-13	0.107327	0.277	0.578	4.48E-09	CSCL	SNRPD1
GPT2	3.02E-13	-0.12241	0.037	0.153	4.52E-09	CSCL	GPT2
COA4	3.05E-13	0.167493	0.178	0.397	4.56E-09	CSCL	COA4
S100A16. 1	3.08E-13	0.733624	0.363	0.304	4.60E-09	CSCL	S100A16
CDK19. 2	3.13E-13	-0.18082	0.024	0.131	4.67E-09	CSCL	CDK19
PLBD1. 2	3.30E-13	-0.30802	0.007	0.099	4.93E-09	CSCL	PLBD1
MINK1. 2	3.36E-13	-0.1723	0.012	0.109	5.02E-09	CSCL	MINK1
NINJ2. 2	3.42E-13	-0.42826	0.003	0.092	5.12E-09	CSCL	NINJ2
ITGAX. 2	3.45E-13	-0.38485	0.005	0.095	5.16E-09	CSCL	ITGAX
RP11-1094	3.49E-13	0.123861	0.089	0.242	5.21E-09	CSCL	RP11-1094M14. 11
SEPT11. 2	3.57E-13	0.173	0.129	0.312	5.33E-09	CSCL	11-Sep
SRM. 2	3.59E-13	0.170037	0.166	0.375	5.37E-09	CSCL	SRM
CHCHD5. 1	3.60E-13	0.138383	0.171	0.383	5.38E-09	CSCL	CHCHD5
FAM103A1.	3.64E-13	0.174097	0.094	0.25	5.45E-09	CSCL	FAM103A1
GAD1. 2	3.65E-13	-0.18075	0.017	0.118	5.46E-09	CSCL	GAD1
POM121C. 1	3.68E-13	-0.11522	0.033	0.146	5.51E-09	CSCL	POM121C
KYNU. 2	3.70E-13	-0.37416	0.002	0.088	5.53E-09	CSCL	KYNU
FASN. 2	3.71E-13	-0.12159	0.019	0.121	5.54E-09	CSCL	FASN
H2AFY2. 2	3.87E-13	-0.12701	0.012	0.109	5.79E-09	CSCL	H2AFY2
ANKRD9. 2	3.88E-13	-0.17698	0.003	0.092	5.79E-09	CSCL	ANKRD9
GCSH. 2	3.91E-13	0.211959	0.154	0.357	5.85E-09	CSCL	GCSH
THOC1. 1	3.92E-13	-0.10223	0.037	0.152	5.86E-09	CSCL	THOC1
AGPS. 2	4.04E-13	-0.10475	0.023	0.127	6.04E-09	CSCL	AGPS
PLAA. 1	4.10E-13	-0.21256	0.007	0.098	6.12E-09	CSCL	PLAA
POLRMT. 1	4.12E-13	-0.10044	0.028	0.136	6.16E-09	CSCL	POLRMT
NUTM2A-AS	4.14E-13	-0.15462	0.026	0.133	6.19E-09	CSCL	NUTM2A-AS1
PMAIP1. 2	4.16E-13	-0.45309	0.002	0.088	6.22E-09	CSCL	PMAIP1
CYSTM1. 2	4.46E-13	0.116275	0.145	0.334	6.66E-09	CSCL	CYSTM1
TMEM39B	4.47E-13	-0.16201	0.026	0.133	6.67E-09	CSCL	TMEM39B
ADAM15. 1	4.51E-13	-0.15615	0.019	0.121	6.74E-09	CSCL	ADAM15
FXN. 1	4.53E-13	-0.15528	0.017	0.117	6.78E-09	CSCL	FXN
ZNF821. 2	4.54E-13	-0.11064	0.047	0.169	6.79E-09	CSCL	ZNF821
MYLIP. 2	4.68E-13	-0.31774	0.028	0.134	7.00E-09	CSCL	MYLIP
RFTN1. 1	4.78E-13	-0.12797	0.016	0.114	7.15E-09	CSCL	RFTN1
KLHL9. 1	4.94E-13	-0.20156	0.016	0.114	7.38E-09	CSCL	KLHL9
LINC00869	4.97E-13	0.371356	0.054	0.015	7.43E-09	CSCL	LINC00869
PXN. 1	5.01E-13	-0.15238	0.024	0.129	7.48E-09	CSCL	PXN
HYI. 1	5.03E-13	-0.14084	0.033	0.144	7.51E-09	CSCL	HYI
WRNIP1	5.07E-13	-0.13487	0.012	0.108	7.58E-09	CSCL	WRNIP1
CSTF2T	5.12E-13	-0.16636	0.023	0.126	7.65E-09	CSCL	CSTF2T
DCLRE1C. 1	5.15E-13	-0.13528	0.028	0.135	7.70E-09	CSCL	DCLRE1C
MED1. 2	5.18E-13	-0.10008	0.021	0.123	7.73E-09	CSCL	MED1

DUSP15.1	5.24E-13	-0.13669	0.007	0.098	7.83E-09	CSCL	DUSP15
AP1G1.1	5.25E-13	-0.13906	0.024	0.129	7.85E-09	CSCL	AP1G1
UNC50.1	5.32E-13	0.124143	0.162	0.364	7.95E-09	CSCL	UNC50
DEDD	5.33E-13	-0.14999	0.021	0.123	7.96E-09	CSCL	DEDD
AGPAT3.2	5.47E-13	-0.11737	0.028	0.135	8.17E-09	CSCL	AGPAT3
MYO5A.2	5.59E-13	-0.16007	0.017	0.117	8.35E-09	CSCL	MYO5A
EFNB2.1	5.62E-13	-0.11942	0.01	0.104	8.40E-09	CSCL	EFNB2
PSMA3.2	5.63E-13	0.115233	0.213	0.452	8.41E-09	CSCL	PSMA3
ERCC1.2	5.64E-13	0.136004	0.232	0.484	8.42E-09	CSCL	ERCC1
RALGAPA1.	5.74E-13	-0.12381	0.028	0.135	8.57E-09	CSCL	RALGAPA1
CNIH1.1	5.74E-13	0.100697	0.175	0.383	8.58E-09	CSCL	CNIH1
DAGLB.2	5.91E-13	-0.26504	0.023	0.125	8.83E-09	CSCL	DAGLB
UBTD1.1	5.91E-13	-0.12874	0.017	0.117	8.83E-09	CSCL	UBTD1
OTUD4.2	5.93E-13	-0.15946	0.01	0.104	8.86E-09	CSCL	OTUD4
HNRNP2.1	6.03E-13	0.10137	0.19	0.411	9.02E-09	CSCL	HNRNP2
ESYT1.2	6.07E-13	-0.19091	0.023	0.125	9.07E-09	CSCL	ESYT1
PHACTR2.2	6.16E-13	-0.19261	0.002	0.087	9.20E-09	CSCL	PHACTR2
NDUF7.2	6.22E-13	0.448182	0.581	0.727	9.30E-09	CSCL	NDUF7
CDC37L1.1	6.32E-13	-0.11294	0.033	0.144	9.45E-09	CSCL	CDC37L1
MILR1.2	6.33E-13	-0.36277	0.01	0.103	9.46E-09	CSCL	MILR1
TMEM209.1	6.36E-13	-0.13493	0.021	0.123	9.50E-09	CSCL	TMEM209
EAF2.2	6.48E-13	-0.29863	0.007	0.097	9.68E-09	CSCL	EAF2
PARN.1	6.51E-13	-0.17462	0.023	0.125	9.74E-09	CSCL	PARN
DTNB.2	6.54E-13	-0.21409	0.009	0.1	9.77E-09	CSCL	DTNB
APPBP2.1	6.54E-13	0.110072	0.075	0.216	9.77E-09	CSCL	APPBP2
ZMIZ1.2	6.60E-13	-0.10179	0.033	0.144	9.86E-09	CSCL	ZMIZ1
MAPK8.2	6.74E-13	-0.17593	0.01	0.103	1.01E-08	CSCL	MAPK8
CENPK.1	6.75E-13	-0.19063	0.01	0.104	1.01E-08	CSCL	CENPK
PTK2B.1	6.85E-13	-0.10383	0.026	0.132	1.02E-08	CSCL	PTK2B
APOBEC3C.	6.90E-13	-0.23997	0.028	0.133	1.03E-08	CSCL	APOBEC3C
CDKN1C.2	7.07E-13	-0.26451	0.019	0.119	1.06E-08	CSCL	CDKN1C
OTUD1.2	7.22E-13	-0.33775	0.01	0.103	1.08E-08	CSCL	OTUD1
EMG1.1	7.59E-13	0.117382	0.091	0.242	1.13E-08	CSCL	EMG1
DHCR7.1	7.72E-13	0.126466	0.056	0.184	1.15E-08	CSCL	DHCR7
CENPC	7.79E-13	-0.2026	0.016	0.113	1.16E-08	CSCL	CENPC
HDHD2.1	7.83E-13	0.134664	0.105	0.265	1.17E-08	CSCL	HDHD2
HPS1.1	7.91E-13	-0.28289	0.017	0.115	1.18E-08	CSCL	HPS1
KIAA1109.	7.92E-13	-0.11884	0.023	0.125	1.18E-08	CSCL	KIAA1109
CPT2.1	8.07E-13	-0.17223	0.017	0.116	1.21E-08	CSCL	CPT2
BCL7A.2	8.36E-13	-0.11314	0.04	0.155	1.25E-08	CSCL	BCL7A
NADSYN1.2	8.39E-13	-0.11201	0.023	0.125	1.25E-08	CSCL	NADSYN1
PIK3C3	8.43E-13	-0.13339	0.023	0.125	1.26E-08	CSCL	PIK3C3
WRAP73.1	8.46E-13	-0.11742	0.038	0.152	1.26E-08	CSCL	WRAP73
TUBGCP4.1	8.58E-13	-0.12725	0.024	0.128	1.28E-08	CSCL	TUBGCP4
TLE3.1	8.60E-13	-0.19938	0.033	0.142	1.28E-08	CSCL	TLE3
CCR1.2	8.62E-13	-0.33646	0.002	0.086	1.29E-08	CSCL	CCR1
COX17	8.73E-13	0.147647	0.255	0.531	1.30E-08	CSCL	COX17
ODF2.1	8.73E-13	-0.11474	0.03	0.137	1.30E-08	CSCL	ODF2
GLIPR2.1	8.94E-13	0.119994	0.113	0.277	1.34E-08	CSCL	GLIPR2
GUCD1.2	9.03E-13	-0.11835	0.024	0.128	1.35E-08	CSCL	GUCD1
IMMP1L.1	9.03E-13	0.106592	0.089	0.239	1.35E-08	CSCL	IMMP1L

CD48. 2	9. 32E-13	-0. 39263	0	0. 082	1. 39E-08	CSCL	CD48
SMARCA2. 1	9. 35E-13	-0. 18648	0. 031	0. 14	1. 40E-08	CSCL	SMARCA2
EMC1. 1	9. 45E-13	-0. 11548	0. 03	0. 137	1. 41E-08	CSCL	EMC1
DENND1B. 2	9. 49E-13	-0. 20181	0. 007	0. 096	1. 42E-08	CSCL	DENND1B
EPN2. 2	9. 57E-13	0. 173439	0. 092	0. 244	1. 43E-08	CSCL	EPN2
SLC25A32. 1	9. 61E-13	-0. 1971	0. 012	0. 105	1. 44E-08	CSCL	SLC25A32
KNOP1. 1	9. 79E-13	0. 134804	0. 106	0. 267	1. 46E-08	CSCL	KNOP1
APOO. 1	9. 87E-13	0. 176319	0. 087	0. 236	1. 48E-08	CSCL	APOO
MEAF6. 2	9. 92E-13	0. 140674	0. 234	0. 489	1. 48E-08	CSCL	MEAF6
KIFC3	1. 04E-12	-0. 18301	0. 014	0. 109	1. 56E-08	CSCL	KIFC3
SPG11. 2	1. 06E-12	-0. 14363	0. 021	0. 121	1. 58E-08	CSCL	SPG11
RALGAPB. 1	1. 10E-12	-0. 10442	0. 017	0. 115	1. 64E-08	CSCL	RALGAPB
MFNG. 2	1. 13E-12	-0. 294	0. 028	0. 132	1. 68E-08	CSCL	MFNG
NSMAF. 1	1. 13E-12	-0. 11125	0. 021	0. 121	1. 69E-08	CSCL	NSMAF
MAPK14. 2	1. 13E-12	-0. 15097	0. 017	0. 114	1. 69E-08	CSCL	MAPK14
RPUSD1. 2	1. 15E-12	-0. 10582	0. 031	0. 139	1. 71E-08	CSCL	RPUSD1
WBP1L. 2	1. 18E-12	-0. 23541	0. 017	0. 114	1. 76E-08	CSCL	WBP1L
MIOS. 2	1. 19E-12	-0. 11363	0. 024	0. 127	1. 77E-08	CSCL	MIOS
SNX18. 2	1. 20E-12	-0. 13325	0. 019	0. 118	1. 79E-08	CSCL	SNX18
NOM1. 1	1. 20E-12	-0. 1497	0. 021	0. 121	1. 79E-08	CSCL	NOM1
NAF1. 2	1. 20E-12	-0. 21213	0. 017	0. 114	1. 80E-08	CSCL	NAF1
IFFO1. 2	1. 21E-12	-0. 21124	0. 023	0. 123	1. 81E-08	CSCL	IFFO1
UBE2V2. 1	1. 23E-12	0. 116433	0. 244	0. 508	1. 84E-08	CSCL	UBE2V2
DHX16	1. 25E-12	-0. 16321	0. 016	0. 111	1. 87E-08	CSCL	DHX16
GNB5. 1	1. 26E-12	-0. 12186	0. 017	0. 115	1. 88E-08	CSCL	GNB5
ATG16L2. 2	1. 26E-12	-0. 27705	0. 005	0. 091	1. 89E-08	CSCL	ATG16L2
SLC25A44. 1	1. 27E-12	-0. 1781	0. 009	0. 098	1. 90E-08	CSCL	SLC25A44
ELK1	1. 28E-12	-0. 13563	0. 012	0. 105	1. 91E-08	CSCL	ELK1
VIM. 1	1. 28E-12	0. 424132	0. 588	0. 667	1. 92E-08	CSCL	VIM
YTHDC2. 2	1. 31E-12	-0. 10436	0. 023	0. 123	1. 96E-08	CSCL	YTHDC2
SGPL1. 1	1. 33E-12	-0. 12867	0. 03	0. 136	1. 99E-08	CSCL	SGPL1
DOCK2. 2	1. 34E-12	-0. 34813	0	0. 081	2. 01E-08	CSCL	DOCK2
UBR4. 2	1. 35E-12	-0. 12186	0. 038	0. 15	2. 01E-08	CSCL	UBR4
CCDC93. 1	1. 36E-12	-0. 12616	0. 028	0. 132	2. 03E-08	CSCL	CCDC93
MITF. 1	1. 37E-12	-0. 25961	0. 009	0. 098	2. 05E-08	CSCL	MITF
SHMT1. 2	1. 37E-12	-0. 20464	0. 023	0. 123	2. 05E-08	CSCL	SHMT1
NABP2. 1	1. 39E-12	0. 163682	0. 117	0. 284	2. 08E-08	CSCL	NABP2
PPIP5K2. 1	1. 39E-12	-0. 10502	0. 028	0. 132	2. 08E-08	CSCL	PPIP5K2
KCNMB1. 2	1. 41E-12	-0. 37833	0. 014	0. 107	2. 10E-08	CSCL	KCNMB1
BCL10. 1	1. 42E-12	-0. 12503	0. 03	0. 135	2. 12E-08	CSCL	BCL10
KIAA1551. 1	1. 42E-12	-0. 24089	0. 005	0. 091	2. 12E-08	CSCL	KIAA1551
COG1. 1	1. 42E-12	-0. 12155	0. 017	0. 114	2. 13E-08	CSCL	COG1
RABGAP1. 1	1. 46E-12	-0. 12075	0. 026	0. 129	2. 19E-08	CSCL	RABGAP1
SLC12A2. 1	1. 47E-12	-0. 16928	0. 03	0. 135	2. 19E-08	CSCL	SLC12A2
DSN1. 1	1. 49E-12	-0. 19494	0. 012	0. 104	2. 23E-08	CSCL	DSN1
MAD1L1. 2	1. 50E-12	-0. 10866	0. 045	0. 162	2. 24E-08	CSCL	MAD1L1
CHRAC1. 2	1. 52E-12	-0. 11141	0. 038	0. 15	2. 27E-08	CSCL	CHRAC1
IRF2BP1. 1	1. 52E-12	-0. 15497	0. 016	0. 111	2. 27E-08	CSCL	IRF2BP1
SLC39A13	1. 54E-12	-0. 12834	0. 033	0. 141	2. 30E-08	CSCL	SLC39A13
CDK1. 2	1. 55E-12	-0. 27247	0. 01	0. 101	2. 31E-08	CSCL	CDK1
ESD. 1	1. 57E-12	0. 181169	0. 239	0. 503	2. 35E-08	CSCL	ESD

ACAD9. 1	1. 60E-12	-0. 11954	0. 021	0. 12	2. 39E-08	CSCL	ACAD9
SNRPA1. 1	1. 60E-12	0. 116219	0. 129	0. 303	2. 40E-08	CSCL	SNRPA1
EAF1. 1	1. 60E-12	-0. 16068	0. 026	0. 129	2. 40E-08	CSCL	EAF1
CCDC22. 1	1. 65E-12	-0. 15097	0. 028	0. 132	2. 47E-08	CSCL	CCDC22
AHNAK	1. 66E-12	-0. 13968	0. 023	0. 123	2. 48E-08	CSCL	AHNAK
CEPT1. 1	1. 69E-12	-0. 11575	0. 045	0. 161	2. 53E-08	CSCL	CEPT1
PGS1. 1	1. 69E-12	-0. 13255	0. 033	0. 141	2. 53E-08	CSCL	PGS1
RYBP. 2	1. 70E-12	-0. 14129	0. 021	0. 12	2. 54E-08	CSCL	RYBP
PRKRIR. 2	1. 71E-12	-0. 12638	0. 017	0. 114	2. 56E-08	CSCL	PRKRIR
SH3TC1. 2	1. 74E-12	-0. 3445	0. 002	0. 084	2. 60E-08	CSCL	SH3TC1
MSH6. 1	1. 76E-12	-0. 12527	0. 028	0. 132	2. 63E-08	CSCL	MSH6
PCMTD1. 1	1. 77E-12	-0. 14103	0. 044	0. 158	2. 65E-08	CSCL	PCMTD1
HSF2. 1	1. 78E-12	-0. 14963	0. 023	0. 122	2. 67E-08	CSCL	HSF2
LARP4B. 1	1. 80E-12	-0. 18214	0. 007	0. 094	2. 69E-08	CSCL	LARP4B
CNOT6L. 2	1. 80E-12	-0. 18699	0. 017	0. 113	2. 69E-08	CSCL	CNOT6L
CHPF2. 1	1. 80E-12	-0. 11921	0. 044	0. 159	2. 70E-08	CSCL	CHPF2
MAFF. 2	1. 81E-12	-0. 17231	0. 056	0. 177	2. 71E-08	CSCL	MAFF
MXD1. 1	1. 83E-12	-0. 24098	0. 03	0. 134	2. 73E-08	CSCL	MXD1
PPP3CC. 1	1. 85E-12	-0. 15092	0. 031	0. 138	2. 77E-08	CSCL	PPP3CC
SCIMP. 2	1. 96E-12	-0. 34563	0. 003	0. 087	2. 93E-08	CSCL	SCIMP
STAMPB	1. 98E-12	0. 151565	0. 112	0. 274	2. 96E-08	CSCL	STAMPB
DCTN6. 1	2. 02E-12	0. 133749	0. 216	0. 455	3. 01E-08	CSCL	DCTN6
ADA. 2	2. 02E-12	-0. 11419	0. 009	0. 097	3. 02E-08	CSCL	ADA
SEH1L. 1	2. 03E-12	-0. 15031	0. 024	0. 125	3. 03E-08	CSCL	SEH1L
MGMT. 2	2. 07E-12	-0. 21817	0. 044	0. 157	3. 10E-08	CSCL	MGMT
ST6GAL1. 2	2. 26E-12	-0. 3102	0. 019	0. 115	3. 38E-08	CSCL	ST6GAL1
LARP1B. 1	2. 28E-12	-0. 11623	0. 024	0. 125	3. 40E-08	CSCL	LARP1B
LINC00116	2. 29E-12	0. 134199	0. 171	0. 374	3. 42E-08	CSCL	LINC00116
ALAD. 1	2. 29E-12	-0. 13694	0. 017	0. 112	3. 43E-08	CSCL	ALAD
ZC3H6. 1	2. 30E-12	-0. 11515	0. 04	0. 152	3. 44E-08	CSCL	ZC3H6
ITGAM. 2	2. 33E-12	-0. 34193	0	0. 08	3. 48E-08	CSCL	ITGAM
SREBF1. 1	2. 33E-12	-0. 21906	0. 023	0. 121	3. 48E-08	CSCL	SREBF1
EGR3. 2	2. 33E-12	-0. 3126	0. 016	0. 109	3. 49E-08	CSCL	EGR3
ELMOD3. 1	2. 34E-12	-0. 1018	0. 033	0. 14	3. 49E-08	CSCL	ELMOD3
MPC1. 1	2. 34E-12	0. 103112	0. 244	0. 5	3. 49E-08	CSCL	MPC1
WBP4. 1	2. 36E-12	0. 19744	0. 136	0. 314	3. 53E-08	CSCL	WBP4
SUMO2	2. 38E-12	0. 301941	0. 642	0. 83	3. 55E-08	CSCL	SUMO2
CARHSP1. 1	2. 41E-12	0. 104259	0. 206	0. 434	3. 60E-08	CSCL	CARHSP1
WBP2. 1	2. 46E-12	0. 121149	0. 223	0. 464	3. 68E-08	CSCL	WBP2
MMGT1	2. 49E-12	-0. 12361	0. 019	0. 116	3. 72E-08	CSCL	MMGT1
PGM1. 2	2. 50E-12	0. 136762	0. 103	0. 258	3. 73E-08	CSCL	PGM1
PLXND1. 2	2. 51E-12	-0. 2596	0. 012	0. 103	3. 75E-08	CSCL	PLXND1
QRSL1. 1	2. 53E-12	-0. 1228	0. 028	0. 13	3. 78E-08	CSCL	QRSL1
TRIOBP. 1	2. 56E-12	-0. 16936	0. 007	0. 093	3. 83E-08	CSCL	TRIOBP
SNAPIN	2. 59E-12	0. 142383	0. 178	0. 387	3. 87E-08	CSCL	SNAPIN
BLVRB. 2	2. 61E-12	0. 108631	0. 178	0. 384	3. 89E-08	CSCL	BLVRB
RP11-472N	2. 64E-12	-0. 18656	0. 017	0. 112	3. 95E-08	CSCL	RP11-472N13. 3
INPP5D. 2	2. 74E-12	-0. 36369	0. 005	0. 089	4. 09E-08	CSCL	INPP5D
JMY. 1	2. 75E-12	-0. 15889	0. 014	0. 106	4. 11E-08	CSCL	JMY
TRIM4. 1	2. 76E-12	-0. 10114	0. 04	0. 151	4. 12E-08	CSCL	TRIM4
SLC8B1. 2	2. 80E-12	-0. 23082	0. 012	0. 102	4. 19E-08	CSCL	SLC8B1

SASH3. 2	2. 81E-12	-0. 34053	0. 002	0. 082	4. 20E-08	CSCL	SASH3
GTPBP1. 1	2. 82E-12	-0. 1882	0. 014	0. 106	4. 22E-08	CSCL	GTPBP1
PAPOLG. 2	2. 91E-12	-0. 25902	0. 009	0. 096	4. 34E-08	CSCL	PAPOLG
C10orf11. 2	2. 91E-12	-0. 23012	0. 014	0. 105	4. 35E-08	CSCL	C10orf11
USP42. 1	2. 96E-12	-0. 13025	0. 026	0. 127	4. 43E-08	CSCL	USP42
CREBRF. 1	2. 97E-12	-0. 1226	0. 031	0. 136	4. 44E-08	CSCL	CREBRF
PRDM2. 1	2. 99E-12	-0. 1025	0. 042	0. 154	4. 46E-08	CSCL	PRDM2
MLLT6. 2	3. 01E-12	-0. 12248	0. 031	0. 136	4. 50E-08	CSCL	MLLT6
USP46. 2	3. 06E-12	-0. 10641	0. 035	0. 143	4. 57E-08	CSCL	USP46
TP53INP2. 3	3. 08E-12	-0. 13126	0. 01	0. 099	4. 61E-08	CSCL	TP53INP2
MAD2L1. 2	3. 09E-12	-0. 13696	0. 03	0. 133	4. 62E-08	CSCL	MAD2L1
FRMD8. 1	3. 11E-12	-0. 12581	0. 023	0. 121	4. 65E-08	CSCL	FRMD8
ICOSLG. 2	3. 13E-12	-0. 30063	0. 009	0. 095	4. 67E-08	CSCL	ICOSLG
HLA-DOA. 1	3. 17E-12	-0. 33161	0. 01	0. 098	4. 74E-08	CSCL	HLA-DOA
HBB. 1	3. 21E-12	0. 171555	0. 202	0. 409	4. 79E-08	CSCL	HBB
FOXN2. 2	3. 21E-12	-0. 12235	0. 031	0. 136	4. 80E-08	CSCL	FOXN2
DIP2B. 2	3. 22E-12	-0. 12843	0. 024	0. 124	4. 81E-08	CSCL	DIP2B
DHRS13. 1	3. 25E-12	-0. 10845	0. 012	0. 102	4. 86E-08	CSCL	DHRS13
CCDC90B. 1	3. 27E-12	0. 104414	0. 201	0. 42	4. 89E-08	CSCL	CCDC90B
HDCC2	3. 29E-12	0. 15565	0. 194	0. 411	4. 91E-08	CSCL	HDCC2
LYL1. 2	3. 31E-12	-0. 31832	0. 003	0. 085	4. 95E-08	CSCL	LYL1
RNF38. 1	3. 35E-12	-0. 13657	0. 01	0. 099	5. 00E-08	CSCL	RNF38
STK11. 1	3. 41E-12	-0. 13487	0. 01	0. 099	5. 09E-08	CSCL	STK11
GGPS1. 1	3. 48E-12	0. 144677	0. 145	0. 326	5. 20E-08	CSCL	GGPS1
TELO2	3. 49E-12	-0. 13305	0. 031	0. 135	5. 21E-08	CSCL	TELO2
GPATCH3. 1	3. 55E-12	-0. 22126	0. 003	0. 085	5. 31E-08	CSCL	GPATCH3
MANBA. 2	3. 64E-12	-0. 23395	0. 026	0. 125	5. 43E-08	CSCL	MANBA
STX8	3. 64E-12	0. 129441	0. 171	0. 37	5. 44E-08	CSCL	STX8
PPP1R21	3. 64E-12	-0. 12864	0. 021	0. 117	5. 45E-08	CSCL	PPP1R21
RELT. 1	3. 66E-12	-0. 22465	0. 005	0. 088	5. 47E-08	CSCL	RELT
SNX29. 2	3. 76E-12	-0. 22541	0. 017	0. 11	5. 62E-08	CSCL	SNX29
MSH2. 1	3. 79E-12	-0. 12335	0. 023	0. 121	5. 67E-08	CSCL	MSH2
BAK1. 2	3. 80E-12	-0. 10125	0. 023	0. 12	5. 68E-08	CSCL	BAK1
AVPI1. 2	3. 84E-12	-0. 28183	0. 01	0. 098	5. 74E-08	CSCL	AVPI1
PSMB4	3. 86E-12	0. 197314	0. 201	0. 428	5. 76E-08	CSCL	PSMB4
CHD3. 1	3. 91E-12	-0. 15442	0. 023	0. 12	5. 84E-08	CSCL	CHD3
COPE. 2	3. 93E-12	0. 381378	0. 6	0. 779	5. 87E-08	CSCL	COPE
KLHL36. 1	3. 94E-12	-0. 14944	0. 01	0. 098	5. 89E-08	CSCL	KLHL36
ZFAND6	3. 96E-12	0. 153734	0. 22	0. 462	5. 92E-08	CSCL	ZFAND6
HAUS2. 1	4. 02E-12	-0. 11905	0. 014	0. 105	6. 01E-08	CSCL	HAUS2
ATXN1L	4. 05E-12	-0. 17918	0. 003	0. 085	6. 05E-08	CSCL	ATXN1L
SIGLEC8. 2	4. 07E-12	-0. 34499	0. 002	0. 081	6. 09E-08	CSCL	SIGLEC8
DHX38. 1	4. 14E-12	-0. 11691	0. 023	0. 12	6. 19E-08	CSCL	DHX38
RTN2. 2	4. 14E-12	-0. 28861	0. 005	0. 088	6. 19E-08	CSCL	RTN2
ATP11A. 2	4. 15E-12	-0. 13116	0. 012	0. 101	6. 19E-08	CSCL	ATP11A
ARL5B. 2	4. 15E-12	-0. 1691	0. 007	0. 092	6. 20E-08	CSCL	ARL5B
SUGP2. 1	4. 15E-12	0. 141323	0. 101	0. 254	6. 21E-08	CSCL	SUGP2
DHX8. 1	4. 19E-12	-0. 13305	0. 019	0. 114	6. 27E-08	CSCL	DHX8
AUTS2. 2	4. 24E-12	-0. 11969	0. 024	0. 123	6. 33E-08	CSCL	AUTS2
KLHDC8B. 1	4. 25E-12	-0. 10774	0. 016	0. 108	6. 35E-08	CSCL	KLHDC8B
PPP3CB. 2	4. 25E-12	-0. 16585	0. 019	0. 113	6. 36E-08	CSCL	PPP3CB

CENPN. 1	4. 35E-12	-0. 18264	0. 007	0. 091	6. 49E-08	CSCL	CENPN
PPP1R15B.	4. 40E-12	-0. 1918	0. 024	0. 122	6. 58E-08	CSCL	PPP1R15B
ST3GAL6. 2	4. 46E-12	-0. 26832	0. 021	0. 116	6. 67E-08	CSCL	ST3GAL6
C15orf57.	4. 51E-12	-0. 12884	0. 028	0. 129	6. 74E-08	CSCL	C15orf57
MOB4. 1	4. 66E-12	0. 11929	0. 176	0. 382	6. 96E-08	CSCL	MOB4
CCNY. 2	4. 77E-12	-0. 14887	0. 019	0. 113	7. 13E-08	CSCL	CCNY
ATP5J2. 2	4. 78E-12	0. 327462	0. 621	0. 817	7. 14E-08	CSCL	ATP5J2
RP11-108M	4. 78E-12	-0. 28295	0. 016	0. 106	7. 15E-08	CSCL	RP11-108M. 4
ARID3A. 1	4. 81E-12	-0. 23246	0. 023	0. 119	7. 18E-08	CSCL	ARID3A
GPR84. 2	4. 82E-12	-0. 34639	0	0. 077	7. 21E-08	CSCL	GPR84
PRKCD. 2	4. 88E-12	-0. 27755	0. 003	0. 084	7. 30E-08	CSCL	PRKCD
IRAK3. 2	4. 97E-12	-0. 32711	0	0. 077	7. 43E-08	CSCL	IRAK3
SAT1. 1	5. 00E-12	-0. 11059	0. 461	0. 82	7. 48E-08	CSCL	SAT1
BAG3. 1	5. 08E-12	-0. 2093	0. 019	0. 112	7. 59E-08	CSCL	BAG3
USP7. 2	5. 35E-12	-0. 10394	0. 035	0. 14	7. 99E-08	CSCL	USP7
ULK3. 1	5. 44E-12	-0. 10089	0. 042	0. 151	8. 13E-08	CSCL	ULK3
FDX1L	5. 45E-12	0. 124835	0. 11	0. 267	8. 15E-08	CSCL	FDX1L
PIGF. 1	5. 47E-12	0. 136181	0. 127	0. 296	8. 18E-08	CSCL	PIGF
HTT. 2	5. 51E-12	-0. 10202	0. 026	0. 125	8. 24E-08	CSCL	HTT
SH2B2. 2	5. 62E-12	-0. 14796	0. 019	0. 113	8. 40E-08	CSCL	SH2B2
LIMK2. 2	5. 63E-12	-0. 14785	0. 007	0. 091	8. 42E-08	CSCL	LIMK2
VCPIP1. 2	5. 74E-12	-0. 15854	0. 009	0. 094	8. 58E-08	CSCL	VCPIP1
OBFC1	5. 77E-12	-0. 18009	0. 007	0. 091	8. 62E-08	CSCL	OBFC1
GIMAP1. 2	5. 78E-12	-0. 32621	0	0. 077	8. 64E-08	CSCL	GIMAP1
MAGEF1. 1	5. 79E-12	0. 128829	0. 173	0. 373	8. 66E-08	CSCL	MAGEF1
HERC4	5. 87E-12	-0. 15621	0. 023	0. 119	8. 77E-08	CSCL	HERC4
IRF3	5. 89E-12	0. 105571	0. 101	0. 251	8. 80E-08	CSCL	IRF3
ITM2B. 2	5. 91E-12	-0. 1046	0. 429	0. 818	8. 84E-08	CSCL	ITM2B
CYHR1. 1	5. 94E-12	0. 10513	0. 122	0. 286	8. 88E-08	CSCL	CYHR1
EPHA3. 2	5. 96E-12	-0. 13865	0	0. 077	8. 91E-08	CSCL	EPHA3
CXorf21. 2	6. 04E-12	-0. 3665	0. 002	0. 08	9. 02E-08	CSCL	CXorf21
ALKBH6. 2	6. 05E-12	-0. 13236	0. 017	0. 11	9. 04E-08	CSCL	ALKBH6
NCOA3. 2	6. 10E-12	-0. 14268	0. 03	0. 131	9. 12E-08	CSCL	NCOA3
MSTO1	6. 48E-12	-0. 14473	0. 007	0. 09	9. 68E-08	CSCL	MSTO1
TOP2A. 2	6. 56E-12	-0. 3032	0. 007	0. 09	9. 81E-08	CSCL	TOP2A
NFRKB. 1	6. 61E-12	-0. 16878	0. 014	0. 103	9. 87E-08	CSCL	NFRKB
RNF7. 1	6. 79E-12	0. 147543	0. 265	0. 546	1. 01E-07	CSCL	RNF7
ARL3. 1	6. 80E-12	0. 165438	0. 162	0. 356	1. 02E-07	CSCL	ARL3
METRNL. 2	6. 80E-12	-0. 24809	0. 005	0. 087	1. 02E-07	CSCL	METRNL
BOK. 2	7. 02E-12	-0. 20394	0. 002	0. 08	1. 05E-07	CSCL	BOK
OSCAR. 2	7. 15E-12	-0. 29653	0	0. 076	1. 07E-07	CSCL	OSCAR
LRRC45. 2	7. 15E-12	-0. 14064	0. 009	0. 093	1. 07E-07	CSCL	LRRC45
NME2	7. 15E-12	-0. 17469	0. 007	0. 09	1. 07E-07	CSCL	NME2
RNF144B. 1	7. 21E-12	-0. 29798	0. 014	0. 103	1. 08E-07	CSCL	RNF144B
DLX5. 2	7. 22E-12	-0. 38348	0. 044	0. 149	1. 08E-07	CSCL	DLX5
SCARB1. 1	7. 22E-12	-0. 1543	0. 019	0. 112	1. 08E-07	CSCL	SCARB1
BACH1. 1	7. 29E-12	-0. 17573	0. 019	0. 112	1. 09E-07	CSCL	BACH1
MIR22HG. 1	7. 36E-12	-0. 2346	0. 023	0. 118	1. 10E-07	CSCL	MIR22HG
SDHD. 1	7. 43E-12	0. 116647	0. 192	0. 406	1. 11E-07	CSCL	SDHD
FAM199X. 1	7. 46E-12	-0. 12115	0. 019	0. 112	1. 12E-07	CSCL	FAM199X
KLF13. 2	7. 59E-12	-0. 10888	0. 03	0. 13	1. 13E-07	CSCL	KLF13

TAF12. 2	7. 66E-12	0. 137922	0. 141	0. 317	1. 14E-07	CSCL	TAF12
FAM160A2.	7. 70E-12	-0. 14664	0. 023	0. 118	1. 15E-07	CSCL	FAM160A2
GTF2F2	7. 84E-12	0. 180911	0. 134	0. 308	1. 17E-07	CSCL	GTF2F2
CHAF1A. 2	7. 85E-12	-0. 16824	0. 009	0. 093	1. 17E-07	CSCL	CHAF1A
TARSL2. 1	7. 90E-12	-0. 18598	0. 021	0. 115	1. 18E-07	CSCL	TARSL2
GABPB1. 1	7. 94E-12	-0. 15477	0. 019	0. 112	1. 19E-07	CSCL	GABPB1
SEC16A. 1	8. 45E-12	-0. 15562	0. 024	0. 121	1. 26E-07	CSCL	SEC16A
PAN3. 1	8. 64E-12	-0. 17691	0. 03	0. 129	1. 29E-07	CSCL	PAN3
ZNF394. 1	8. 93E-12	-0. 12119	0. 04	0. 147	1. 33E-07	CSCL	ZNF394
PIM1. 1	9. 19E-12	-0. 11094	0. 033	0. 135	1. 37E-07	CSCL	PIM1
ZNF703. 2	9. 32E-12	-0. 17343	0. 014	0. 102	1. 39E-07	CSCL	ZNF703
NEDD4L. 2	9. 44E-12	-0. 17834	0. 023	0. 117	1. 41E-07	CSCL	NEDD4L
TNKS2. 2	9. 49E-12	-0. 12423	0. 021	0. 114	1. 42E-07	CSCL	TNKS2
WHAMM	9. 70E-12	-0. 11755	0. 019	0. 111	1. 45E-07	CSCL	WHAMM
PTPRO. 2	9. 89E-12	-0. 25764	0. 003	0. 082	1. 48E-07	CSCL	PTPRO
CUEDC2. 2	1. 01E-11	0. 13764	0. 195	0. 411	1. 51E-07	CSCL	CUEDC2
SCAMP3. 1	1. 01E-11	0. 150112	0. 131	0. 298	1. 51E-07	CSCL	SCAMP3
FUT8. 2	1. 01E-11	-0. 1277	0. 03	0. 129	1. 51E-07	CSCL	FUT8
PHTF2. 1	1. 03E-11	-0. 16898	0. 01	0. 095	1. 54E-07	CSCL	PHTF2
MF	1. 03E-11	0. 115394	0. 244	0. 502	1. 54E-07	CSCL	MF
ING1. 1	1. 04E-11	-0. 12748	0. 037	0. 141	1. 56E-07	CSCL	ING1
ABHD17B. 2	1. 04E-11	-0. 13044	0. 03	0. 129	1. 56E-07	CSCL	ABHD17B
P2RY13. 2	1. 04E-11	-0. 3914	0. 007	0. 088	1. 56E-07	CSCL	P2RY13
MON1B	1. 05E-11	-0. 12463	0. 019	0. 111	1. 57E-07	CSCL	MON1B
MAST3. 2	1. 05E-11	-0. 21295	0. 003	0. 082	1. 57E-07	CSCL	MAST3
SFXN1	1. 09E-11	0. 109273	0. 086	0. 224	1. 63E-07	CSCL	SFXN1
SPTY2D1. 1	1. 10E-11	-0. 10662	0. 026	0. 123	1. 64E-07	CSCL	SPTY2D1
RPRD1B	1. 10E-11	-0. 14048	0. 014	0. 101	1. 65E-07	CSCL	RPRD1B
RP11-25K1	1. 11E-11	-0. 1247	0. 016	0. 105	1. 66E-07	CSCL	RP11-25K19. 1
ERC1	1. 13E-11	-0. 10782	0. 028	0. 126	1. 69E-07	CSCL	ERC1
BEX1. 1	1. 13E-11	0. 734242	0. 384	0. 349	1. 69E-07	CSCL	BEX1
PSME4. 1	1. 15E-11	-0. 10655	0. 037	0. 141	1. 71E-07	CSCL	PSME4
PITX1. 1	1. 16E-11	-0. 10782	0. 007	0. 089	1. 73E-07	CSCL	PITX1
SIGLEC7. 2	1. 19E-11	-0. 32843	0. 002	0. 078	1. 77E-07	CSCL	SIGLEC7
ARHGAP22.	1. 20E-11	-0. 30695	0. 002	0. 078	1. 79E-07	CSCL	ARHGAP22
CECR1. 2	1. 23E-11	-0. 32067	0	0. 075	1. 84E-07	CSCL	CECR1
PRPF31. 1	1. 24E-11	0. 147135	0. 19	0. 402	1. 85E-07	CSCL	PRPF31
CCDC71. 1	1. 25E-11	-0. 11393	0. 014	0. 101	1. 86E-07	CSCL	CCDC71
SIK3. 2	1. 26E-11	-0. 11877	0. 019	0. 111	1. 89E-07	CSCL	SIK3
HMG20A	1. 26E-11	-0. 13842	0. 019	0. 11	1. 89E-07	CSCL	HMG20A
SLC17A5. 2	1. 27E-11	-0. 18393	0. 019	0. 11	1. 90E-07	CSCL	SLC17A5
RBBP4	1. 30E-11	0. 133375	0. 213	0. 442	1. 94E-07	CSCL	RBBP4
CCNB1. 1	1. 31E-11	-0. 23321	0. 01	0. 095	1. 96E-07	CSCL	CCNB1
PWP2. 2	1. 36E-11	-0. 10783	0. 03	0. 129	2. 03E-07	CSCL	PWP2
LILRA2. 2	1. 36E-11	-0. 34979	0. 007	0. 088	2. 04E-07	CSCL	LILRA2
LLGL1. 1	1. 38E-11	-0. 12149	0. 016	0. 104	2. 06E-07	CSCL	LLGL1
AES. 2	1. 39E-11	0. 148333	0. 202	0. 421	2. 07E-07	CSCL	AES
TOX. 2	1. 40E-11	-0. 15742	0. 009	0. 091	2. 09E-07	CSCL	TOX
CBL. 2	1. 40E-11	-0. 10448	0. 017	0. 107	2. 09E-07	CSCL	CBL
UPF3A. 1	1. 46E-11	0. 189769	0. 162	0. 354	2. 18E-07	CSCL	UPF3A
AK2. 2	1. 46E-11	0. 189764	0. 19	0. 401	2. 18E-07	CSCL	AK2

BCL2L1.1	1.46E-11	0.121202	0.115	0.272	2.18E-07	CSCL	BCL2L1
CAMK1D.2	1.49E-11	-0.16749	0.023	0.116	2.23E-07	CSCL	CAMK1D
USP11.1	1.50E-11	0.143459	0.169	0.362	2.24E-07	CSCL	USP11
VAV1.2	1.53E-11	-0.30068	0.002	0.077	2.28E-07	CSCL	VAV1
JAZF1.2	1.54E-11	-0.17149	0.024	0.118	2.29E-07	CSCL	JAZF1
P2RY11.1	1.55E-11	-0.20798	0.009	0.091	2.31E-07	CSCL	P2RY11
YARS2	1.59E-11	-0.13389	0.019	0.11	2.37E-07	CSCL	YARS2
MTF1	1.59E-11	-0.10526	0.021	0.113	2.38E-07	CSCL	MTF1
RABEP2.1	1.60E-11	-0.10833	0.016	0.104	2.39E-07	CSCL	RABEP2
PCGF3.1	1.60E-11	-0.11702	0.024	0.119	2.39E-07	CSCL	PCGF3
AFMID.2	1.60E-11	-0.17713	0.019	0.11	2.40E-07	CSCL	AFMID
CNKSR3.1	1.61E-11	-0.10521	0.026	0.122	2.40E-07	CSCL	CNKSR3
SAYSD1.1	1.61E-11	-0.10015	0.026	0.122	2.41E-07	CSCL	SAYSD1
VRK3.1	1.62E-11	0.113695	0.087	0.225	2.41E-07	CSCL	VRK3
CST3.1	1.62E-11	0.449114	0.616	0.795	2.42E-07	CSCL	CST3
L3MBTL2.2	1.62E-11	-0.13295	0.017	0.107	2.42E-07	CSCL	L3MBTL2
SGOL2.1	1.62E-11	-0.19456	0.01	0.094	2.43E-07	CSCL	SGOL2
CACNA2D4.1	1.63E-11	-0.32599	0.002	0.077	2.44E-07	CSCL	CACNA2D4
DHRS12	1.64E-11	-0.19406	0.012	0.097	2.44E-07	CSCL	DHRS12
SESN1.2	1.64E-11	-0.26175	0.017	0.106	2.45E-07	CSCL	SESN1
NCBP2	1.68E-11	0.139251	0.218	0.452	2.51E-07	CSCL	NCBP2
FAM20C.2	1.72E-11	0.100545	0.091	0.23	2.58E-07	CSCL	FAM20C
ARNTL.1	1.73E-11	-0.10094	0.014	0.1	2.58E-07	CSCL	ARNTL
PPP2R1A.2	1.74E-11	0.162032	0.26	0.528	2.60E-07	CSCL	PPP2R1A
PPP2R2D.2	1.74E-11	-0.13725	0.01	0.094	2.60E-07	CSCL	PPP2R2D
KIF3C.2	1.75E-11	-0.14675	0.017	0.107	2.61E-07	CSCL	KIF3C
TAOK2	1.76E-11	-0.14773	0.012	0.097	2.63E-07	CSCL	TAOK2
PPP1R12C	1.79E-11	-0.16054	0.007	0.087	2.68E-07	CSCL	PPP1R12C
KTI12.1	1.80E-11	-0.12341	0.019	0.109	2.69E-07	CSCL	KTI12
PLK2.1	1.81E-11	-0.16435	0.038	0.142	2.71E-07	CSCL	PLK2
RRAGB.1	1.83E-11	-0.11017	0.023	0.116	2.73E-07	CSCL	RRAGB
PDLIM2.1	1.84E-11	0.114778	0.101	0.247	2.74E-07	CSCL	PDLIM2
PRKAG2-AS	1.86E-11	-0.23207	0.031	0.129	2.78E-07	CSCL	PRKAG2-AS1
ARRDC2.2	1.90E-11	-0.26564	0.009	0.09	2.84E-07	CSCL	ARRDC2
FAM133B.1	1.99E-11	0.131316	0.237	0.483	2.97E-07	CSCL	FAM133B
ASXL2.2	2.01E-11	-0.14771	0.016	0.103	3.00E-07	CSCL	ASXL2
TOPBP1.1	2.03E-11	-0.10586	0.012	0.097	3.03E-07	CSCL	TOPBP1
MED28.1	2.03E-11	0.17779	0.161	0.348	3.04E-07	CSCL	MED28
SMIM13.1	2.04E-11	-0.17028	0.009	0.09	3.05E-07	CSCL	SMIM13
ZDHHC21.2	2.07E-11	-0.10296	0.016	0.103	3.09E-07	CSCL	ZDHHC21
MCM4.2	2.07E-11	-0.15392	0.014	0.1	3.10E-07	CSCL	MCM4
CRADD.1	2.07E-11	-0.1039	0.019	0.109	3.10E-07	CSCL	CRADD
TPD52.2	2.10E-11	0.103587	0.099	0.243	3.15E-07	CSCL	TPD52
TRIM14.2	2.19E-11	-0.15049	0.012	0.096	3.27E-07	CSCL	TRIM14
FES.2	2.21E-11	-0.28787	0.005	0.083	3.30E-07	CSCL	FES
ST14.2	2.22E-11	-0.28003	0.002	0.076	3.31E-07	CSCL	ST14
E2F3.2	2.30E-11	-0.15513	0.009	0.09	3.43E-07	CSCL	E2F3
HAUS6.1	2.31E-11	-0.15937	0.01	0.093	3.45E-07	CSCL	HAUS6
CNEP1R1.1	2.38E-11	-0.11097	0.023	0.115	3.56E-07	CSCL	CNEP1R1
ELK4	2.39E-11	-0.12037	0.021	0.112	3.57E-07	CSCL	ELK4
TET1.1	2.45E-11	-0.12025	0.007	0.086	3.66E-07	CSCL	TET1



VASH1.2	2.50E-11	-0.1904	0.035	0.134	3.73E-07	CSCL	VASH1
SGPP1.2	2.50E-11	-0.21238	0.005	0.083	3.73E-07	CSCL	SGPP1
EHD1.1	2.51E-11	-0.11138	0.03	0.126	3.75E-07	CSCL	EHD1
DCPS.1	2.53E-11	0.126012	0.059	0.177	3.78E-07	CSCL	DCPS
MSM01.1	2.56E-11	0.122951	0.077	0.207	3.82E-07	CSCL	MSM01
CBX5.1	2.58E-11	0.129885	0.166	0.353	3.85E-07	CSCL	CBX5
CC2D1A.1	2.59E-11	0.101573	0.068	0.192	3.88E-07	CSCL	CC2D1A
ATAD2.1	2.62E-11	-0.17432	0.003	0.079	3.91E-07	CSCL	ATAD2
TSPYL2.1	2.65E-11	-0.14897	0.024	0.117	3.96E-07	CSCL	TSPYL2
NFKB1.2	2.65E-11	-0.15644	0.019	0.108	3.96E-07	CSCL	NFKB1
TANGO2.2	2.66E-11	-0.17749	0.009	0.089	3.97E-07	CSCL	TANGO2
RMND1	2.71E-11	-0.12666	0.017	0.105	4.05E-07	CSCL	RMND1
HOXC9.2	2.72E-11	-0.22509	0.009	0.089	4.06E-07	CSCL	HOXC9
NPM3.1	2.74E-11	0.112541	0.087	0.223	4.09E-07	CSCL	NPM3
NMRAL1	2.79E-11	0.109559	0.101	0.246	4.17E-07	CSCL	NMRAL1
ELK3	2.80E-11	-0.15466	0.01	0.092	4.19E-07	CSCL	ELK3
POLR2E.1	2.81E-11	0.131672	0.272	0.548	4.20E-07	CSCL	POLR2E
KLHDC8A.2	2.82E-11	0.131331	0.108	0.258	4.21E-07	CSCL	KLHDC8A
HERC1	2.91E-11	-0.13664	0.016	0.102	4.35E-07	CSCL	HERC1
PTPN7.2	3.09E-11	-0.31246	0.005	0.082	4.61E-07	CSCL	PTPN7
UBASH3B.2	3.12E-11	-0.18033	0.003	0.079	4.66E-07	CSCL	UBASH3B
SWI5.2	3.13E-11	0.241409	0.105	0.252	4.67E-07	CSCL	SWI5
C12orf76.	3.19E-11	0.136669	0.119	0.274	4.77E-07	CSCL	C12orf76
CARKD.1	3.22E-11	-0.1166	0.035	0.134	4.81E-07	CSCL	CARKD
EPB41L1.1	3.26E-11	-0.1249	0.01	0.092	4.87E-07	CSCL	EPB41L1
EMB.2	3.27E-11	-0.30606	0.003	0.079	4.88E-07	CSCL	EMB
CD2AP.2	3.30E-11	-0.13547	0.007	0.085	4.93E-07	CSCL	CD2AP
HK2.1	3.33E-11	-0.21608	0.009	0.089	4.98E-07	CSCL	HK2
DIS3L.2	3.34E-11	-0.11476	0.019	0.107	4.99E-07	CSCL	DIS3L
MORN2.2	3.37E-11	0.225104	0.115	0.269	5.04E-07	CSCL	MORN2
STXBP1.1	3.47E-11	-0.10205	0.03	0.126	5.19E-07	CSCL	STXBP1
GCLC.2	3.48E-11	-0.14674	0.016	0.101	5.20E-07	CSCL	GCLC
DLX1.2	3.56E-11	-0.22697	0.026	0.119	5.32E-07	CSCL	DLX1
DONSON.1	3.56E-11	-0.11764	0.007	0.085	5.32E-07	CSCL	DONSON
CH25H.1	3.58E-11	-0.33536	0.047	0.152	5.35E-07	CSCL	CH25H
TRIP4	3.62E-11	-0.14079	0.024	0.116	5.42E-07	CSCL	TRIP4
TBRG4.1	3.64E-11	0.143826	0.101	0.245	5.44E-07	CSCL	TBRG4
G6PC3.1	3.66E-11	0.117181	0.169	0.356	5.47E-07	CSCL	G6PC3
BIRC5.2	3.69E-11	-0.28444	0.021	0.109	5.51E-07	CSCL	BIRC5
ASNA1.2	3.74E-11	0.184417	0.262	0.533	5.58E-07	CSCL	ASNA1
LBH.2	3.86E-11	-0.18977	0.051	0.159	5.77E-07	CSCL	LBH
TLR1.2	3.87E-11	-0.30421	0	0.071	5.78E-07	CSCL	TLR1
DHX32.1	3.90E-11	-0.1581	0.007	0.085	5.83E-07	CSCL	DHX32
RASA1.2	4.00E-11	-0.12635	0.021	0.11	5.98E-07	CSCL	RASA1
DDX56.1	4.03E-11	0.117198	0.113	0.264	6.03E-07	CSCL	DDX56
PPARD.2	4.08E-11	-0.1171	0.023	0.113	6.10E-07	CSCL	PPARD
DDHD2.1	4.12E-11	-0.1292	0.021	0.11	6.16E-07	CSCL	DDHD2
DPP4	4.13E-11	-0.10776	0.005	0.081	6.17E-07	CSCL	DPP4
SLC35A3.1	4.15E-11	-0.10073	0.031	0.128	6.20E-07	CSCL	SLC35A3
TGIF2.1	4.19E-11	-0.14418	0.009	0.088	6.26E-07	CSCL	TGIF2
ZNF480.1	4.23E-11	-0.11522	0.021	0.11	6.32E-07	CSCL	ZNF480

SFMBT2. 2	4. 24E-11	-0. 32261	0. 005	0. 081	6. 33E-07	CSCL	SFMBT2
MED10. 2	4. 25E-11	0. 146154	0. 246	0. 496	6. 35E-07	CSCL	MED10
HLA-C. 1	4. 32E-11	0. 28744	0. 64	0. 811	6. 46E-07	CSCL	HLA-C
RPP25L	4. 35E-11	0. 121514	0. 058	0. 173	6. 50E-07	CSCL	RPP25L
IL4R. 2	4. 39E-11	-0. 27996	0. 002	0. 074	6. 56E-07	CSCL	IL4R
NOB1. 1	4. 40E-11	0. 174111	0. 073	0. 199	6. 58E-07	CSCL	NOB1
CD93. 2	4. 44E-11	-0. 30883	0. 002	0. 074	6. 64E-07	CSCL	CD93
CDK17. 1	4. 46E-11	-0. 15865	0. 028	0. 121	6. 66E-07	CSCL	CDK17
UNC5B. 2	4. 50E-11	-0. 24148	0. 009	0. 087	6. 73E-07	CSCL	UNC5B
ANKRD49	4. 53E-11	-0. 10905	0. 023	0. 113	6. 77E-07	CSCL	ANKRD49
NDST1. 2	4. 59E-11	-0. 1369	0. 01	0. 091	6. 86E-07	CSCL	NDST1
POLR3GL	4. 67E-11	0. 189072	0. 171	0. 36	6. 98E-07	CSCL	POLR3GL
AP001055.	4. 68E-11	-0. 33859	0. 007	0. 084	6. 99E-07	CSCL	AP001055. 6
RMND5A. 1	4. 69E-11	-0. 14061	0. 031	0. 128	7. 00E-07	CSCL	RMND5A
POLG. 2	4. 69E-11	-0. 14467	0. 016	0. 1	7. 00E-07	CSCL	POLG
RHOH. 2	4. 74E-11	-0. 35011	0. 005	0. 081	7. 08E-07	CSCL	RHOH
NDUF2. 2	4. 75E-11	0. 189592	0. 122	0. 28	7. 09E-07	CSCL	NDUF2
SLC26A11.	4. 79E-11	-0. 10937	0. 021	0. 11	7. 16E-07	CSCL	SLC26A11
ZNF512B. 1	4. 90E-11	-0. 12862	0. 003	0. 077	7. 32E-07	CSCL	ZNF512B
COMMD1	4. 93E-11	0. 143218	0. 175	0. 366	7. 36E-07	CSCL	COMMD1
SLC35B1	4. 93E-11	0. 126147	0. 192	0. 401	7. 36E-07	CSCL	SLC35B1
VCL. 1	5. 06E-11	-0. 10428	0. 017	0. 103	7. 56E-07	CSCL	VCL
CD40. 2	5. 06E-11	-0. 28869	0	0. 07	7. 57E-07	CSCL	CD40
MYO1C. 1	5. 11E-11	-0. 13904	0. 019	0. 106	7. 64E-07	CSCL	MYO1C
KRIT1. 1	5. 15E-11	0. 116222	0. 089	0. 223	7. 70E-07	CSCL	KRIT1
ACSL4. 2	5. 37E-11	-0. 17093	0. 009	0. 087	8. 02E-07	CSCL	ACSL4
DYNC1I1. 2	5. 42E-11	-0. 26467	0. 021	0. 108	8. 10E-07	CSCL	DYNC1I1
RP3-428L1	5. 62E-11	-0. 17352	0. 002	0. 074	8. 39E-07	CSCL	RP3-428L16. 2
HBA2. 1	5. 64E-11	0. 278541	0. 079	0. 203	8. 43E-07	CSCL	HBA2
LRR1. 1	5. 73E-11	-0. 13136	0. 01	0. 09	8. 56E-07	CSCL	LRR1
TRIM38. 1	5. 73E-11	-0. 23375	0. 017	0. 102	8. 57E-07	CSCL	TRIM38
GATM. 2	5. 74E-11	0. 115196	0. 173	0. 361	8. 57E-07	CSCL	GATM
ITPRIPL2.	5. 78E-11	-0. 17486	0. 003	0. 077	8. 64E-07	CSCL	ITPRIPL2
TMTC4. 1	5. 80E-11	-0. 1457	0. 017	0. 103	8. 67E-07	CSCL	TMTC4
PSMC6. 1	5. 88E-11	0. 12618	0. 192	0. 397	8. 79E-07	CSCL	PSMC6
NOL11. 1	5. 94E-11	0. 157836	0. 072	0. 195	8. 87E-07	CSCL	NOL11
TMEM5	6. 02E-11	0. 108096	0. 084	0. 215	9. 00E-07	CSCL	TMEM5
SLC39A9	6. 08E-11	-0. 11655	0. 016	0. 099	9. 09E-07	CSCL	SLC39A9
ALG1. 1	6. 17E-11	-0. 11943	0. 026	0. 118	9. 22E-07	CSCL	ALG1
TMEM208. 2	6. 30E-11	0. 182276	0. 237	0. 479	9. 41E-07	CSCL	TMEM208
SLC12A5. 2	6. 49E-11	-0. 2173	0. 014	0. 096	9. 69E-07	CSCL	SLC12A5
TMEM222. 2	6. 60E-11	0. 185394	0. 127	0. 287	9. 87E-07	CSCL	TMEM222
PI4KB. 1	6. 67E-11	0. 136254	0. 086	0. 216	9. 97E-07	CSCL	PI4KB
CLNS1A. 1	6. 68E-11	0. 176678	0. 25	0. 504	9. 99E-07	CSCL	CLNS1A
EDEM1. 1	6. 82E-11	-0. 21585	0. 007	0. 083	1. 02E-06	CSCL	EDEM1
UBE3C. 1	6. 94E-11	-0. 11642	0. 024	0. 114	1. 04E-06	CSCL	UBE3C
STAC3. 2	6. 98E-11	-0. 27397	0. 007	0. 083	1. 04E-06	CSCL	STAC3
TAF6L	7. 07E-11	-0. 13892	0. 012	0. 093	1. 06E-06	CSCL	TAF6L
ZFYVE21. 1	7. 13E-11	0. 151734	0. 12	0. 274	1. 06E-06	CSCL	ZFYVE21
ACTR10. 1	7. 18E-11	0. 175182	0. 176	0. 369	1. 07E-06	CSCL	ACTR10
PROS1	7. 43E-11	-0. 10233	0. 014	0. 096	1. 11E-06	CSCL	PROS1

TPX2. 1	7. 43E-11	-0. 20837	0. 009	0. 086	1. 11E-06	CSCL	TPX2
TFCP2	7. 55E-11	-0. 1035	0. 026	0. 117	1. 13E-06	CSCL	TFCP2
RANBP1. 2	7. 67E-11	0. 195063	0. 298	0. 592	1. 15E-06	CSCL	RANBP1
PRKD3. 2	7. 98E-11	-0. 10767	0. 047	0. 152	1. 19E-06	CSCL	PRKD3
SH3YL1. 1	7. 98E-11	0. 117745	0. 068	0. 187	1. 19E-06	CSCL	SH3YL1
NSL1. 1	8. 06E-11	0. 151296	0. 169	0. 356	1. 20E-06	CSCL	NSL1
MOSPD2. 1	8. 09E-11	-0. 13193	0. 024	0. 114	1. 21E-06	CSCL	MOSPD2
ACTN4. 1	8. 15E-11	0. 173694	0. 161	0. 341	1. 22E-06	CSCL	ACTN4
CDKL3	8. 19E-11	-0. 13521	0. 024	0. 114	1. 22E-06	CSCL	CDKL3
N4BP1. 1	8. 21E-11	-0. 13317	0. 012	0. 092	1. 23E-06	CSCL	N4BP1
FARSB	8. 23E-11	0. 101833	0. 099	0. 239	1. 23E-06	CSCL	FARSB
RRM2B. 1	8. 27E-11	-0. 17255	0. 021	0. 107	1. 24E-06	CSCL	RRM2B
TMEM39A	8. 29E-11	-0. 20304	0. 014	0. 095	1. 24E-06	CSCL	TMEM39A
LCORL. 1	8. 55E-11	-0. 11262	0. 017	0. 102	1. 28E-06	CSCL	LCORL
CARD9. 2	8. 63E-11	-0. 26728	0. 002	0. 072	1. 29E-06	CSCL	CARD9
RLIM. 1	8. 69E-11	-0. 12117	0. 023	0. 111	1. 30E-06	CSCL	RLIM
EED	8. 91E-11	-0. 15297	0. 017	0. 101	1. 33E-06	CSCL	EED
KLHL2. 2	9. 03E-11	-0. 11583	0. 01	0. 089	1. 35E-06	CSCL	KLHL2
MTFMT. 1	9. 07E-11	-0. 12061	0. 019	0. 104	1. 36E-06	CSCL	MTFMT
CTD-2369F	9. 08E-11	0. 136117	0. 014	0. 001	1. 36E-06	CSCL	CTD-2369P2. 10
WDR45	9. 31E-11	0. 137428	0. 112	0. 258	1. 39E-06	CSCL	WDR45
CHN1. 1	9. 51E-11	0. 197119	0. 089	0. 222	1. 42E-06	CSCL	CHN1
MOB1B. 2	9. 56E-11	-0. 18436	0. 002	0. 072	1. 43E-06	CSCL	MOB1B
PRKCZ. 2	9. 72E-11	-0. 11538	0. 019	0. 105	1. 45E-06	CSCL	PRKCZ
FAM76B	9. 79E-11	-0. 10629	0. 026	0. 116	1. 46E-06	CSCL	FAM76B
SRCAP. 1	9. 88E-11	-0. 12733	0. 021	0. 107	1. 48E-06	CSCL	SRCAP
PPP1R9B. 1	9. 88E-11	-0. 10886	0. 019	0. 104	1. 48E-06	CSCL	PPP1R9B
DMXL1	1. 01E-10	-0. 15061	0. 012	0. 092	1. 51E-06	CSCL	DMXL1
FAM65A	1. 02E-10	-0. 12824	0. 019	0. 104	1. 52E-06	CSCL	FAM65A
IL16. 2	1. 02E-10	-0. 29842	0. 002	0. 072	1. 53E-06	CSCL	IL16
ANKRD22. 2	1. 04E-10	-0. 31899	0	0. 068	1. 55E-06	CSCL	ANKRD22
KIF1A. 1	1. 04E-10	-0. 12748	0. 035	0. 131	1. 56E-06	CSCL	KIF1A
GAS2L3. 2	1. 05E-10	-0. 16373	0. 002	0. 072	1. 57E-06	CSCL	GAS2L3
RPF1. 1	1. 05E-10	0. 1517	0. 108	0. 252	1. 57E-06	CSCL	RPF1
NAIP. 2	1. 06E-10	-0. 19755	0. 024	0. 113	1. 59E-06	CSCL	NAIP
SREK1. 1	1. 08E-10	0. 188381	0. 155	0. 331	1. 62E-06	CSCL	SREK1
SLC38A7. 1	1. 09E-10	-0. 14303	0. 024	0. 113	1. 64E-06	CSCL	SLC38A7
RFC3. 1	1. 10E-10	-0. 11918	0. 012	0. 091	1. 64E-06	CSCL	RFC3
TREM1. 1	1. 11E-10	-0. 18457	0. 059	0. 169	1. 66E-06	CSCL	TREM1
OLFML2B. 2	1. 11E-10	-0. 32251	0. 002	0. 071	1. 66E-06	CSCL	OLFML2B
APEX2. 1	1. 12E-10	-0. 11133	0. 016	0. 098	1. 67E-06	CSCL	APEX2
D2HGDH. 2	1. 12E-10	-0. 12248	0. 024	0. 113	1. 67E-06	CSCL	D2HGDH
PREP. 2	1. 13E-10	-0. 14088	0. 017	0. 101	1. 68E-06	CSCL	PREP
TCEB2. 2	1. 15E-10	0. 299976	0. 623	0. 834	1. 72E-06	CSCL	TCEB2
TSPAN15. 1	1. 16E-10	-0. 28051	0. 007	0. 081	1. 73E-06	CSCL	TSPAN15
NRROS. 1	1. 17E-10	-0. 30908	0. 002	0. 071	1. 74E-06	CSCL	NRROS
SMARCD3. 1	1. 17E-10	0. 135118	0. 099	0. 238	1. 75E-06	CSCL	SMARCD3
PIK3AP1. 2	1. 17E-10	-0. 25995	0	0. 068	1. 75E-06	CSCL	PIK3AP1
IKZF1. 2	1. 17E-10	-0. 29316	0	0. 068	1. 75E-06	CSCL	IKZF1
SEMA4D. 2	1. 18E-10	-0. 29143	0. 009	0. 084	1. 76E-06	CSCL	SEMA4D
KDM5C. 1	1. 18E-10	-0. 13217	0. 024	0. 112	1. 77E-06	CSCL	KDM5C

MGAT5.2	1.18E-10	-0.20203	0.002	0.071	1.77E-06	CSCL	MGAT5
YPEL1.2	1.21E-10	-0.11028	0.016	0.098	1.80E-06	CSCL	YPEL1
GALC.1	1.22E-10	-0.12923	0.021	0.106	1.83E-06	CSCL	GALC
BCAP29.1	1.23E-10	0.124207	0.154	0.325	1.84E-06	CSCL	BCAP29
Clorf123	1.24E-10	0.206037	0.166	0.35	1.85E-06	CSCL	Clorf123
CSGALNACT1	1.24E-10	-0.13807	0.016	0.097	1.85E-06	CSCL	CSGALNACT2
CCL4L2.2	1.25E-10	-0.52181	0.012	0.09	1.87E-06	CSCL	CCL4L2
UBE2E1.1	1.26E-10	0.176329	0.23	0.462	1.89E-06	CSCL	UBE2E1
MX1.1	1.27E-10	-0.15577	0.031	0.124	1.89E-06	CSCL	MX1
EXOSC8.1	1.27E-10	0.150621	0.136	0.297	1.90E-06	CSCL	EXOSC8
SS18L1	1.29E-10	-0.11692	0.014	0.094	1.93E-06	CSCL	SS18L1
BBS7.1	1.30E-10	-0.11457	0.017	0.1	1.95E-06	CSCL	BBS7
CDK5R1.2	1.34E-10	-0.12347	0.016	0.097	2.01E-06	CSCL	CDK5R1
RYK.1	1.35E-10	-0.11208	0.014	0.094	2.01E-06	CSCL	RYK
MARCH3.1	1.38E-10	-0.17972	0.023	0.109	2.06E-06	CSCL	3-Mar
NUAK1.2	1.40E-10	-0.18652	0.003	0.074	2.08E-06	CSCL	NUAK1
CLOCK.2	1.40E-10	-0.11263	0.037	0.133	2.09E-06	CSCL	CLOCK
GMIP.2	1.41E-10	-0.23508	0.005	0.077	2.10E-06	CSCL	GMIP
FIG4.1	1.41E-10	-0.11597	0.023	0.109	2.11E-06	CSCL	FIG4
SPATA2	1.42E-10	-0.15757	0.002	0.071	2.12E-06	CSCL	SPATA2
PLEKHM1.1	1.43E-10	-0.16841	0.005	0.078	2.13E-06	CSCL	PLEKHM1
PISD.2	1.43E-10	-0.12569	0.023	0.109	2.14E-06	CSCL	PISD
MUM1.2	1.45E-10	0.133302	0.18	0.373	2.17E-06	CSCL	MUM1
EHP1L1.2	1.48E-10	-0.17897	0.003	0.074	2.22E-06	CSCL	EHP1L1
HSBP1L1.1	1.49E-10	-0.15351	0.005	0.078	2.23E-06	CSCL	HSBP1L1
UXT.1	1.50E-10	0.14189	0.279	0.551	2.23E-06	CSCL	UXT
FGR.2	1.50E-10	-0.29004	0.01	0.087	2.24E-06	CSCL	FGR
SCN1B.2	1.56E-10	-0.23175	0.003	0.074	2.33E-06	CSCL	SCN1B
IGFBP2.1	1.57E-10	0.73086	0.394	0.373	2.35E-06	CSCL	IGFBP2
COQ9.1	1.58E-10	0.183434	0.106	0.249	2.36E-06	CSCL	COQ9
SYNDIG1.2	1.63E-10	-0.2408	0.014	0.093	2.43E-06	CSCL	SYNDIG1
TK1.2	1.63E-10	-0.21241	0.003	0.074	2.43E-06	CSCL	TK1
PSMD14.1	1.64E-10	0.220644	0.237	0.479	2.46E-06	CSCL	PSMD14
GALNT7.2	1.65E-10	-0.1368	0.014	0.093	2.47E-06	CSCL	GALNT7
NNAT.2	1.68E-10	-0.31075	0.086	0.201	2.50E-06	CSCL	NNAT
TIMM9	1.72E-10	0.192557	0.129	0.284	2.57E-06	CSCL	TIMM9
ASB16-AS1	1.77E-10	-0.11202	0.016	0.096	2.65E-06	CSCL	ASB16-AS1
SLAMF8.2	1.78E-10	-0.27904	0	0.067	2.66E-06	CSCL	SLAMF8
RABEPK.1	1.79E-10	0.191206	0.08	0.205	2.68E-06	CSCL	RABEPK
GFPT1.1	1.79E-10	-0.1598	0.017	0.099	2.68E-06	CSCL	GFPT1
HIPK3.1	1.80E-10	-0.1277	0.014	0.093	2.69E-06	CSCL	HIPK3
C2.1	1.80E-10	-0.25616	0.03	0.119	2.70E-06	CSCL	C2
SMPD4	1.81E-10	-0.10021	0.023	0.108	2.71E-06	CSCL	SMPD4
FERMT2.2	1.82E-10	0.171444	0.082	0.208	2.72E-06	CSCL	FERMT2
YIPF6.1	1.83E-10	0.136633	0.152	0.321	2.73E-06	CSCL	YIPF6
CCNB2.2	1.83E-10	-0.25591	0	0.067	2.74E-06	CSCL	CCNB2
PRC1.2	1.87E-10	-0.18124	0.012	0.09	2.79E-06	CSCL	PRC1
FNIP1	1.88E-10	-0.14045	0.023	0.108	2.81E-06	CSCL	FNIP1
ALG12.2	1.90E-10	-0.1275	0.016	0.096	2.85E-06	CSCL	ALG12
APOBEC3G.	1.91E-10	-0.14983	0.031	0.123	2.85E-06	CSCL	APOBEC3G
GCHFR.2	1.93E-10	-0.25159	0.007	0.08	2.88E-06	CSCL	GCHFR

RAD54L2.1	1.93E-10	-0.10041	0.024	0.111	2.88E-06	CSCL	RAD54L2
DLX2.2	1.93E-10	-0.27316	0.026	0.112	2.89E-06	CSCL	DLX2
LYPLAL1	2.00E-10	0.106488	0.105	0.243	2.99E-06	CSCL	LYPLAL1
PTPN23.1	2.04E-10	-0.11256	0.007	0.08	3.05E-06	CSCL	PTPN23
CFDP1.1	2.05E-10	0.215222	0.211	0.426	3.06E-06	CSCL	CFDP1
SEPT1.1	2.07E-10	-0.11452	0.024	0.111	3.09E-06	CSCL	1-Sep
ZNF33A.2	2.11E-10	-0.12602	0.021	0.105	3.15E-06	CSCL	ZNF33A
ARSG	2.13E-10	-0.16826	0.012	0.089	3.18E-06	CSCL	ARSG
PRDM4.1	2.13E-10	-0.10724	0.012	0.089	3.19E-06	CSCL	PRDM4
RP11-395A	2.15E-10	-0.11125	0.007	0.08	3.21E-06	CSCL	RP11-395A13.2
GSAP.1	2.22E-10	-0.21667	0.009	0.083	3.32E-06	CSCL	GSAP
CCNG1.2	2.23E-10	0.116482	0.126	0.277	3.33E-06	CSCL	CCNG1
CBX4.2	2.28E-10	-0.10672	0.03	0.12	3.40E-06	CSCL	CBX4
VPS18.1	2.29E-10	-0.16478	0.009	0.083	3.42E-06	CSCL	VPS18
TP53I11.2	2.29E-10	-0.20616	0.005	0.076	3.43E-06	CSCL	TP53I11
SGK223.1	2.40E-10	-0.16214	0.005	0.076	3.58E-06	CSCL	SGK223
ACVR1B	2.42E-10	-0.16498	0.012	0.089	3.62E-06	CSCL	ACVR1B
CHSY1.1	2.45E-10	-0.11777	0.016	0.095	3.66E-06	CSCL	CHSY1
PCK2.1	2.45E-10	-0.19346	0.003	0.073	3.66E-06	CSCL	PCK2
ARHGAP25.	2.50E-10	-0.23355	0.002	0.069	3.73E-06	CSCL	ARHGAP25
MVB12B.2	2.50E-10	-0.1649	0.021	0.104	3.74E-06	CSCL	MVB12B
SLC16A10.	2.53E-10	-0.33984	0.014	0.091	3.78E-06	CSCL	SLC16A10
DNASE1L1.	2.55E-10	-0.21969	0.005	0.076	3.81E-06	CSCL	DNASE1L1
BBIP1.1	2.56E-10	0.11638	0.068	0.183	3.83E-06	CSCL	BBIP1
TAGLN2.2	2.61E-10	0.593224	0.471	0.517	3.90E-06	CSCL	TAGLN2
SERTAD2.1	2.65E-10	-0.1069	0.033	0.125	3.96E-06	CSCL	SERTAD2
CDCA4.1	2.74E-10	-0.13622	0.014	0.092	4.09E-06	CSCL	CDCA4
LRIF1.1	2.80E-10	0.158896	0.08	0.203	4.19E-06	CSCL	LRIF1
PSMC5	2.82E-10	0.145774	0.286	0.568	4.21E-06	CSCL	PSMC5
NUF2.2	2.86E-10	-0.23163	0	0.065	4.28E-06	CSCL	NUF2
STAT1.1	2.88E-10	0.199258	0.099	0.236	4.30E-06	CSCL	STAT1
PAQR8.2	2.92E-10	-0.20411	0.019	0.1	4.36E-06	CSCL	PAQR8
IL1RN.2	2.93E-10	-0.28833	0.007	0.079	4.37E-06	CSCL	IL1RN
RP11-400F	2.97E-10	-0.11248	0.01	0.085	4.44E-06	CSCL	RP11-400F19.6
GSTK1	3.00E-10	0.129754	0.281	0.543	4.48E-06	CSCL	GSTK1
ZMYND8.2	3.01E-10	0.106724	0.087	0.214	4.49E-06	CSCL	ZMYND8
SGTB.1	3.02E-10	-0.11166	0.014	0.092	4.51E-06	CSCL	SGTB
RETSAT.1	3.07E-10	-0.13907	0.012	0.088	4.58E-06	CSCL	RETSAT
WDR41	3.16E-10	0.217769	0.098	0.232	4.73E-06	CSCL	WDR41
INSM1.2	3.21E-10	-0.12248	0.031	0.121	4.79E-06	CSCL	INSM1
PLAC8.1	3.24E-10	-0.34912	0.003	0.071	4.85E-06	CSCL	PLAC8
RASAL2	3.25E-10	-0.17169	0.009	0.081	4.86E-06	CSCL	RASAL2
FAM213A.1	3.34E-10	0.117704	0.195	0.392	4.99E-06	CSCL	FAM213A
IGF1.1	3.42E-10	-0.30991	0	0.065	5.11E-06	CSCL	IGF1
RNF111.2	3.43E-10	-0.11546	0.01	0.085	5.12E-06	CSCL	RNF111
ARG2.1	3.43E-10	-0.19666	0.021	0.103	5.12E-06	CSCL	ARG2
CHD7.2	3.46E-10	0.107688	0.14	0.296	5.18E-06	CSCL	CHD7
CHST14.1	3.46E-10	-0.12925	0.009	0.081	5.18E-06	CSCL	CHST14
AREG.2	3.48E-10	-0.44117	0.002	0.068	5.20E-06	CSCL	AREG
RFX1.1	3.48E-10	-0.12138	0.016	0.094	5.21E-06	CSCL	RFX1
SYCE1L.1	3.49E-10	-0.11145	0.005	0.075	5.21E-06	CSCL	SYCE1L

NIPAL3. 1	3. 55E-10	-0. 18374	0. 01	0. 085	5. 30E-06	CSCL	NIPAL3
SPARC. 1	3. 55E-10	0. 62124	0. 403	0. 383	5. 31E-06	CSCL	SPARC
NFYC. 2	3. 63E-10	0. 143749	0. 096	0. 227	5. 42E-06	CSCL	NFYC
DENND4C. 1	3. 63E-10	-0. 14874	0. 014	0. 091	5. 42E-06	CSCL	DENND4C
MED13L. 1	3. 65E-10	-0. 13316	0. 033	0. 124	5. 46E-06	CSCL	MED13L
DHPS. 1	3. 69E-10	0. 153757	0. 232	0. 458	5. 52E-06	CSCL	DHPS
NSMCE1. 1	3. 71E-10	0. 191982	0. 206	0. 415	5. 54E-06	CSCL	NSMCE1
LMF1	3. 71E-10	-0. 10574	0. 023	0. 106	5. 54E-06	CSCL	LMF1
CBWD5. 1	3. 71E-10	-0. 13755	0. 035	0. 126	5. 55E-06	CSCL	CBWD5
PPIL1. 1	3. 71E-10	0. 221873	0. 079	0. 2	5. 55E-06	CSCL	PPIL1
PTRF. 2	3. 74E-10	0. 150999	0. 073	0. 191	5. 59E-06	CSCL	PTRF
RCL1	3. 89E-10	-0. 16745	0. 009	0. 081	5. 82E-06	CSCL	RCL1
SELO. 2	3. 90E-10	-0. 14976	0. 002	0. 068	5. 83E-06	CSCL	SELO
ADSSL1. 1	3. 95E-10	-0. 15913	0. 01	0. 084	5. 90E-06	CSCL	ADSSL1
DYRK4. 1	3. 97E-10	0. 126197	0. 094	0. 223	5. 93E-06	CSCL	DYRK4
FUNDC1. 1	3. 98E-10	0. 147091	0. 112	0. 253	5. 95E-06	CSCL	FUNDC1
AURKA. 2	4. 01E-10	-0. 18751	0. 009	0. 081	6. 00E-06	CSCL	AURKA
TIA1. 2	4. 03E-10	0. 127385	0. 113	0. 255	6. 02E-06	CSCL	TIA1
OARD1. 1	4. 09E-10	0. 163428	0. 103	0. 239	6. 11E-06	CSCL	OARD1
MYCBP. 1	4. 11E-10	-0. 10111	0. 017	0. 097	6. 14E-06	CSCL	MYCBP
ABTB1. 2	4. 12E-10	-0. 16087	0. 024	0. 108	6. 15E-06	CSCL	ABTB1
GPANK1. 1	4. 18E-10	0. 156423	0. 079	0. 199	6. 25E-06	CSCL	GPANK1
ZNF787	4. 23E-10	-0. 11273	0. 007	0. 078	6. 32E-06	CSCL	ZNF787
SYTL3. 2	4. 23E-10	-0. 30769	0. 002	0. 068	6. 33E-06	CSCL	SYTL3
C3orf58	4. 28E-10	-0. 15967	0. 016	0. 093	6. 40E-06	CSCL	C3orf58
TM2D3. 1	4. 30E-10	0. 207178	0. 164	0. 339	6. 42E-06	CSCL	TM2D3
FBX021	4. 32E-10	0. 106065	0. 15	0. 316	6. 45E-06	CSCL	FBX021
WDTC1. 1	4. 32E-10	-0. 10694	0. 021	0. 103	6. 46E-06	CSCL	WDTC1
WWP2. 2	4. 39E-10	-0. 18912	0. 005	0. 074	6. 55E-06	CSCL	WWP2
ADRBK1. 2	4. 40E-10	-0. 15624	0. 017	0. 096	6. 57E-06	CSCL	ADRBK1
CCT7. 1	4. 40E-10	0. 18139	0. 276	0. 543	6. 57E-06	CSCL	CCT7
JADE1. 1	4. 43E-10	-0. 13246	0. 037	0. 128	6. 62E-06	CSCL	JADE1
RGS12. 2	4. 46E-10	0. 14286	0. 127	0. 278	6. 67E-06	CSCL	RGS12
ARHGAP21.	4. 48E-10	0. 113912	0. 115	0. 257	6. 70E-06	CSCL	ARHGAP21
GKAP1. 1	4. 50E-10	-0. 10789	0. 016	0. 093	6. 72E-06	CSCL	GKAP1
AGO1. 2	4. 50E-10	-0. 12882	0. 016	0. 093	6. 73E-06	CSCL	AGO1
MX2. 2	4. 51E-10	-0. 29044	0. 002	0. 067	6. 74E-06	CSCL	MX2
MALT1. 2	4. 52E-10	-0. 14725	0. 007	0. 077	6. 75E-06	CSCL	MALT1
THOC5. 1	4. 53E-10	-0. 13171	0. 014	0. 09	6. 77E-06	CSCL	THOC5
RP2. 2	4. 53E-10	-0. 16482	0. 009	0. 081	6. 77E-06	CSCL	RP2
CISD1. 2	4. 54E-10	0. 170278	0. 168	0. 345	6. 78E-06	CSCL	CISD1
BCL3. 2	4. 58E-10	-0. 10213	0. 009	0. 081	6. 84E-06	CSCL	BCL3
UFC1. 1	4. 61E-10	0. 151144	0. 297	0. 575	6. 88E-06	CSCL	UFC1
NIFK. 1	4. 63E-10	0. 230001	0. 173	0. 357	6. 91E-06	CSCL	NIFK
CENPM. 2	4. 66E-10	-0. 1802	0. 007	0. 077	6. 97E-06	CSCL	CENPM
RABGAP1L.	4. 67E-10	-0. 12731	0. 028	0. 114	6. 98E-06	CSCL	RABGAP1L
HECA. 2	4. 68E-10	-0. 17862	0. 005	0. 074	6. 99E-06	CSCL	HECA
TDRD3	4. 71E-10	-0. 10454	0. 017	0. 096	7. 04E-06	CSCL	TDRD3
PCBD2	4. 72E-10	-0. 13735	0. 012	0. 087	7. 06E-06	CSCL	PCBD2
PYGO2. 1	4. 73E-10	-0. 1201	0. 009	0. 081	7. 07E-06	CSCL	PYGO2
POMZP3. 2	4. 75E-10	-0. 13003	0. 014	0. 09	7. 11E-06	CSCL	POMZP3

BLNK. 2	4. 77E-10	-0. 32765	0. 003	0. 07	7. 14E-06	CSCL	BLNK
SSBP2. 2	4. 87E-10	0. 129068	0. 127	0. 277	7. 28E-06	CSCL	SSBP2
TACC3. 2	4. 89E-10	-0. 16819	0. 009	0. 08	7. 31E-06	CSCL	TACC3
GMDS. 1	4. 95E-10	-0. 10154	0. 016	0. 093	7. 40E-06	CSCL	GMDS
GPR161. 2	4. 99E-10	-0. 1491	0. 012	0. 087	7. 45E-06	CSCL	GPR161
INADL. 1	5. 04E-10	-0. 2036	0. 003	0. 07	7. 53E-06	CSCL	INADL
PI4K2B. 1	5. 13E-10	-0. 11238	0. 014	0. 09	7. 66E-06	CSCL	PI4K2B
ITGA6. 2	5. 27E-10	-0. 10693	0. 009	0. 08	7. 88E-06	CSCL	ITGA6
RACGAP1. 1	5. 28E-10	-0. 16032	0. 012	0. 087	7. 89E-06	CSCL	RACGAP1
SEC24D	5. 40E-10	-0. 10053	0. 017	0. 096	8. 07E-06	CSCL	SEC24D
EPC2. 1	5. 45E-10	-0. 12799	0. 019	0. 099	8. 14E-06	CSCL	EPC2
NCBP1. 1	5. 70E-10	-0. 11086	0. 012	0. 086	8. 51E-06	CSCL	NCBP1
PRPF38A. 1	5. 90E-10	0. 209953	0. 14	0. 298	8. 82E-06	CSCL	PRPF38A
DIXDC1. 1	5. 98E-10	-0. 11893	0. 019	0. 099	8. 94E-06	CSCL	DIXDC1
PAK3. 2	6. 01E-10	-0. 12266	0. 049	0. 148	8. 99E-06	CSCL	PAK3
NDUFB5	6. 08E-10	0. 125389	0. 295	0. 575	9. 09E-06	CSCL	NDUFB5
THEM4. 1	6. 08E-10	-0. 15906	0. 009	0. 08	9. 09E-06	CSCL	THEM4
SLC39A11.	6. 10E-10	-0. 14918	0. 007	0. 076	9. 12E-06	CSCL	SLC39A11
PLD2. 2	6. 14E-10	-0. 11698	0. 014	0. 089	9. 17E-06	CSCL	PLD2
SNRPD3. 2	6. 28E-10	0. 2299	0. 211	0. 424	9. 39E-06	CSCL	SNRPD3
SYNGR1. 2	6. 41E-10	-0. 11702	0. 03	0. 116	9. 57E-06	CSCL	SYNGR1
AKAP10. 1	6. 41E-10	-0. 12241	0. 017	0. 095	9. 57E-06	CSCL	AKAP10
ZZEF1. 1	6. 42E-10	-0. 13237	0. 014	0. 089	9. 60E-06	CSCL	ZZEF1
RP11-386I	6. 45E-10	-0. 28317	0. 003	0. 07	9. 63E-06	CSCL	RP11-386I14. 4
RAB5B. 1	6. 49E-10	0. 10513	0. 092	0. 22	9. 71E-06	CSCL	RAB5B
AUH. 1	6. 76E-10	-0. 13187	0. 01	0. 083	1. 01E-05	CSCL	AUH
FAM20A. 2	6. 77E-10	-0. 24671	0	0. 063	1. 01E-05	CSCL	FAM20A
BRIX1. 2	6. 81E-10	0. 183894	0. 117	0. 26	1. 02E-05	CSCL	BRIX1
PUS1. 1	6. 93E-10	-0. 13487	0. 01	0. 083	1. 04E-05	CSCL	PUS1
VPS8. 1	6. 93E-10	-0. 10304	0. 03	0. 116	1. 04E-05	CSCL	VPS8
TRIM11. 1	6. 93E-10	-0. 10217	0. 021	0. 101	1. 04E-05	CSCL	TRIM11
UQCRB. 2	7. 01E-10	0. 106749	0. 363	0. 694	1. 05E-05	CSCL	UQCRB
MAML2. 1	7. 04E-10	0. 105309	0. 082	0. 204	1. 05E-05	CSCL	MAML2
RAD51AP1.	7. 09E-10	-0. 17641	0. 003	0. 069	1. 06E-05	CSCL	RAD51AP1
C15orf48.	7. 22E-10	-0. 31525	0. 005	0. 072	1. 08E-05	CSCL	C15orf48
TMEM220. 2	7. 31E-10	-0. 18204	0. 005	0. 072	1. 09E-05	CSCL	TMEM220
FAM64A. 2	7. 32E-10	-0. 2386	0. 005	0. 072	1. 09E-05	CSCL	FAM64A
RRM2. 2	7. 35E-10	-0. 26019	0. 002	0. 066	1. 10E-05	CSCL	RRM2
SETD5. 2	7. 46E-10	0. 179792	0. 138	0. 296	1. 11E-05	CSCL	SETD5
TBCA. 2	7. 62E-10	0. 416112	0. 562	0. 718	1. 14E-05	CSCL	TBCA
UBA7. 2	7. 70E-10	-0. 20466	0. 012	0. 085	1. 15E-05	CSCL	UBA7
CCDC12. 1	7. 82E-10	0. 141847	0. 225	0. 441	1. 17E-05	CSCL	CCDC12
C7orf43. 2	7. 92E-10	-0. 15436	0. 005	0. 072	1. 18E-05	CSCL	C7orf43
AGAP3. 1	7. 94E-10	-0. 13002	0. 023	0. 104	1. 19E-05	CSCL	AGAP3
GPM6A. 1	8. 01E-10	0. 465673	0. 471	0. 506	1. 20E-05	CSCL	GPM6A
AKNA. 1	8. 04E-10	-0. 25008	0. 007	0. 075	1. 20E-05	CSCL	AKNA
RCAN3. 2	8. 08E-10	-0. 17965	0	0. 062	1. 21E-05	CSCL	RCAN3
UBE4B. 1	8. 09E-10	-0. 10661	0. 021	0. 101	1. 21E-05	CSCL	UBE4B
PDHB. 1	8. 18E-10	0. 205558	0. 185	0. 372	1. 22E-05	CSCL	PDHB
NUP133. 1	8. 50E-10	-0. 11919	0. 019	0. 097	1. 27E-05	CSCL	NUP133
GNAI1. 2	8. 62E-10	-0. 12925	0. 026	0. 109	1. 29E-05	CSCL	GNAI1

SLC15A3.2	8.63E-10	-0.24181	0.005	0.072	1.29E-05	CSCL	SLC15A3
FUNDC2.1	8.69E-10	0.211786	0.208	0.413	1.30E-05	CSCL	FUNDC2
UPF3B.1	8.80E-10	0.129202	0.117	0.258	1.32E-05	CSCL	UPF3B
ACVR2A	8.81E-10	-0.13694	0.005	0.072	1.32E-05	CSCL	ACVR2A
IRF5.2	8.83E-10	-0.26377	0	0.062	1.32E-05	CSCL	IRF5
MSRA.1	8.84E-10	0.128071	0.12	0.263	1.32E-05	CSCL	MSRA
APOPT1	8.87E-10	0.218582	0.194	0.391	1.33E-05	CSCL	APOPT1
CALM1.2	8.90E-10	0.382553	0.597	0.781	1.33E-05	CSCL	CALM1
BBC3.1	8.98E-10	-0.14567	0.012	0.085	1.34E-05	CSCL	BBC3
RXRA.1	9.02E-10	-0.12407	0.021	0.1	1.35E-05	CSCL	RXRA
PRRX1.2	9.15E-10	0.123684	0.066	0.176	1.37E-05	CSCL	PRRX1
OPN3.2	9.15E-10	-0.14459	0.007	0.075	1.37E-05	CSCL	OPN3
DOK3.2	9.23E-10	-0.22131	0.003	0.069	1.38E-05	CSCL	DOK3
KIAA0319L	9.39E-10	0.102477	0.075	0.19	1.40E-05	CSCL	KIAA0319L
ARMCX3.1	9.54E-10	0.172477	0.222	0.44	1.43E-05	CSCL	ARMCX3
AK4.2	9.54E-10	0.165835	0.072	0.185	1.43E-05	CSCL	AK4
SERPINB8	9.59E-10	-0.1802	0.01	0.081	1.43E-05	CSCL	SERPINB8
HTRA1.2	9.63E-10	0.133263	0.244	0.471	1.44E-05	CSCL	HTRA1
MNAT1.1	9.69E-10	0.172915	0.08	0.199	1.45E-05	CSCL	MNAT1
ELP6	9.77E-10	0.142966	0.094	0.221	1.46E-05	CSCL	ELP6
TRUB2	9.78E-10	0.145811	0.092	0.219	1.46E-05	CSCL	TRUB2
EEPDI.1	1.00E-09	-0.1929	0.007	0.075	1.50E-05	CSCL	EEPDI
PPM1M.2	1.01E-09	-0.16948	0.009	0.078	1.51E-05	CSCL	PPM1M
TUBB6.1	1.03E-09	0.100805	0.075	0.19	1.53E-05	CSCL	TUBB6
CDC20.1	1.03E-09	-0.23121	0.005	0.071	1.53E-05	CSCL	CDC20
CDC42BPA	1.03E-09	0.123459	0.072	0.184	1.55E-05	CSCL	CDC42BPA
CELF4.2	1.07E-09	-0.21023	0.019	0.096	1.60E-05	CSCL	CELF4
CDK8.1	1.09E-09	-0.10476	0.012	0.084	1.63E-05	CSCL	CDK8
IL4I1.2	1.09E-09	-0.25262	0.003	0.068	1.64E-05	CSCL	IL4I1
PARP10.1	1.11E-09	-0.17694	0.016	0.09	1.66E-05	CSCL	PARP10
CD300C.2	1.12E-09	-0.28353	0.005	0.071	1.68E-05	CSCL	CD300C
CLP1.1	1.13E-09	-0.1463	0.009	0.078	1.69E-05	CSCL	CLP1
EPHB2.2	1.14E-09	-0.13614	0.014	0.087	1.70E-05	CSCL	EPHB2
FCHO2.2	1.15E-09	-0.18987	0.009	0.078	1.72E-05	CSCL	FCHO2
RFX5.2	1.17E-09	-0.11772	0.026	0.108	1.75E-05	CSCL	RFX5
ZNF22.1	1.19E-09	0.17553	0.133	0.283	1.77E-05	CSCL	ZNF22
GPR82.2	1.21E-09	-0.13118	0.045	0.139	1.81E-05	CSCL	GPR82
TNFRSF14.	1.21E-09	-0.15189	0.033	0.119	1.81E-05	CSCL	TNFRSF14
TADA2A	1.22E-09	-0.11055	0.009	0.078	1.82E-05	CSCL	TADA2A
PPP2R5D.1	1.22E-09	-0.12669	0.009	0.078	1.83E-05	CSCL	PPP2R5D
PARP8.2	1.24E-09	-0.18848	0.005	0.071	1.85E-05	CSCL	PARP8
TMEM158.1	1.25E-09	0.108153	0.047	0.144	1.86E-05	CSCL	TMEM158
MEF2D.1	1.29E-09	-0.20664	0.009	0.077	1.92E-05	CSCL	MEF2D
PHRF1.2	1.30E-09	-0.12779	0.014	0.087	1.94E-05	CSCL	PHRF1
UVRAG.2	1.31E-09	-0.14746	0.017	0.093	1.96E-05	CSCL	UVRAG
EPS8.1	1.32E-09	-0.13864	0.04	0.131	1.97E-05	CSCL	EPS8
ECSIT.1	1.33E-09	0.201544	0.127	0.275	1.99E-05	CSCL	ECSIT
ATP5B.2	1.34E-09	0.343556	0.586	0.785	2.00E-05	CSCL	ATP5B
PRR4.2	1.35E-09	0.133623	0.096	0.223	2.02E-05	CSCL	PRR4
ARHGAP24.	1.37E-09	-0.22323	0.056	0.153	2.04E-05	CSCL	ARHGAP24
CCL20.2	1.37E-09	-0.31365	0.002	0.064	2.05E-05	CSCL	CCL20



TMEM42. 1	1. 39E-09	0. 106299	0. 061	0. 166	2. 07E-05	CSCL	TMEM42
GCAT. 2	1. 40E-09	0. 123741	0. 061	0. 166	2. 09E-05	CSCL	GCAT
BANP. 1	1. 41E-09	-0. 13734	0. 012	0. 083	2. 10E-05	CSCL	BANP
RASSF7. 2	1. 41E-09	-0. 17154	0. 007	0. 074	2. 11E-05	CSCL	RASSF7
NFKB2. 2	1. 44E-09	-0. 19191	0. 002	0. 064	2. 14E-05	CSCL	NFKB2
ERF. 2	1. 48E-09	0. 140406	0. 072	0. 183	2. 21E-05	CSCL	ERF
PAPD5. 2	1. 49E-09	-0. 14929	0. 012	0. 083	2. 22E-05	CSCL	PAPD5
MAP3K3. 2	1. 49E-09	-0. 18155	0. 003	0. 067	2. 23E-05	CSCL	MAP3K3
ZNF598. 1	1. 49E-09	-0. 10099	0. 007	0. 074	2. 23E-05	CSCL	ZNF598
PRR11. 1	1. 49E-09	-0. 1398	0. 003	0. 067	2. 23E-05	CSCL	PRR11
IQSEC1	1. 52E-09	-0. 1414	0. 005	0. 07	2. 28E-05	CSCL	IQSEC1
LSM6	1. 54E-09	0. 227228	0. 166	0. 339	2. 30E-05	CSCL	LSM6
RAN. 2	1. 54E-09	0. 379364	0. 579	0. 766	2. 30E-05	CSCL	RAN
TRMT61B	1. 56E-09	0. 108622	0. 063	0. 168	2. 33E-05	CSCL	TRMT61B
ATP5L. 1	1. 57E-09	0. 274058	0. 63	0. 871	2. 34E-05	CSCL	ATP5L
IGSF21. 2	1. 57E-09	-0. 11739	0. 065	0. 168	2. 35E-05	CSCL	IGSF21
BCAT1. 2	1. 60E-09	0. 196943	0. 105	0. 238	2. 39E-05	CSCL	BCAT1
SGMS1. 1	1. 62E-09	-0. 16911	0. 002	0. 063	2. 42E-05	CSCL	SGMS1
HIGD1A. 1	1. 64E-09	0. 198486	0. 222	0. 438	2. 45E-05	CSCL	HIGD1A
ST3GAL1. 2	1. 65E-09	-0. 20217	0. 026	0. 106	2. 46E-05	CSCL	ST3GAL1
YAF2. 1	1. 69E-09	0. 168235	0. 176	0. 355	2. 53E-05	CSCL	YAF2
DOK5. 1	1. 72E-09	0. 120286	0. 075	0. 188	2. 56E-05	CSCL	DOK5
SARS. 2	1. 75E-09	0. 221631	0. 23	0. 454	2. 62E-05	CSCL	SARS
HDAC9. 2	1. 75E-09	-0. 10897	0. 04	0. 13	2. 62E-05	CSCL	HDAC9
IFT43. 1	1. 76E-09	0. 188978	0. 122	0. 264	2. 63E-05	CSCL	IFT43
ARHGEF12	1. 77E-09	0. 114086	0. 061	0. 165	2. 65E-05	CSCL	ARHGEF12
EHD4. 2	1. 77E-09	-0. 12306	0. 019	0. 095	2. 65E-05	CSCL	EHD4
AGPAT5. 1	1. 77E-09	0. 120175	0. 092	0. 215	2. 65E-05	CSCL	AGPAT5
ADD2	1. 80E-09	-0. 15185	0. 017	0. 092	2. 69E-05	CSCL	ADD2
ZNF24	1. 81E-09	0. 224645	0. 148	0. 308	2. 70E-05	CSCL	ZNF24
BLVRA. 2	1. 82E-09	0. 162964	0. 173	0. 348	2. 73E-05	CSCL	BLVRA
GAPT. 2	1. 88E-09	-0. 27479	0. 002	0. 063	2. 81E-05	CSCL	GAPT
TNFRSF10E	1. 94E-09	-0. 15751	0. 026	0. 106	2. 90E-05	CSCL	TNFRSF10B
ASGR1. 2	1. 94E-09	-0. 1929	0. 009	0. 076	2. 90E-05	CSCL	ASGR1
SCAF8. 1	1. 95E-09	-0. 14024	0. 007	0. 073	2. 91E-05	CSCL	SCAF8
AFAP1	1. 98E-09	-0. 11927	0. 016	0. 089	2. 97E-05	CSCL	AFAP1
PSMB9. 1	1. 98E-09	0. 206203	0. 211	0. 415	2. 97E-05	CSCL	PSMB9
PLEKHA8. 1	1. 99E-09	-0. 14804	0. 003	0. 066	2. 97E-05	CSCL	PLEKHA8
TLN2. 2	2. 01E-09	-0. 14236	0. 021	0. 097	3. 01E-05	CSCL	TLN2
CLUAP1. 1	2. 02E-09	0. 105723	0. 066	0. 173	3. 02E-05	CSCL	CLUAP1
CRLF3. 2	2. 04E-09	-0. 14203	0. 033	0. 117	3. 05E-05	CSCL	CRLF3
SLC19A1. 1	2. 06E-09	-0. 11153	0. 007	0. 073	3. 07E-05	CSCL	SLC19A1
SEC23IP. 1	2. 06E-09	-0. 15083	0. 012	0. 082	3. 08E-05	CSCL	SEC23IP
YPEL2. 2	2. 06E-09	-0. 20086	0. 007	0. 073	3. 08E-05	CSCL	YPEL2
ORC6. 2	2. 07E-09	-0. 13174	0. 019	0. 095	3. 09E-05	CSCL	ORC6
NCAPD2. 2	2. 13E-09	-0. 12819	0. 003	0. 066	3. 18E-05	CSCL	NCAPD2
FPR3. 2	2. 14E-09	-0. 23828	0	0. 059	3. 20E-05	CSCL	FPR3
DOT1L. 1	2. 17E-09	-0. 1065	0. 012	0. 082	3. 24E-05	CSCL	DOT1L
SLC1A4. 2	2. 18E-09	-0. 1361	0. 009	0. 076	3. 25E-05	CSCL	SLC1A4
RFNG. 1	2. 22E-09	-0. 10262	0. 024	0. 103	3. 32E-05	CSCL	RFNG
EPOR. 1	2. 24E-09	-0. 17505	0. 007	0. 072	3. 35E-05	CSCL	EPOR

SUPT16H. 2	2. 25E-09	0. 206678	0. 117	0. 255	3. 36E-05	CSCL	SUPT16H
PRKCSH. 1	2. 27E-09	0. 130771	0. 229	0. 441	3. 39E-05	CSCL	PRKCSH
ANKRD13A. 2	3. 0E-09	-0. 12704	0. 023	0. 1	3. 44E-05	CSCL	ANKRD13A
ZBTB25. 1	2. 39E-09	-0. 11347	0. 017	0. 091	3. 57E-05	CSCL	ZBTB25
TIMM10B. 1	2. 41E-09	0. 105594	0. 072	0. 181	3. 60E-05	CSCL	TIMM10B
EAPP. 2	2. 43E-09	0. 19542	0. 183	0. 363	3. 62E-05	CSCL	EAPP
KIF20B. 2	2. 45E-09	-0. 17674	0. 017	0. 091	3. 66E-05	CSCL	KIF20B
MKI67. 2	2. 47E-09	-0. 19719	0. 003	0. 066	3. 69E-05	CSCL	MKI67
PCNP. 2	2. 49E-09	0. 133913	0. 283	0. 55	3. 72E-05	CSCL	PCNP
MFAP1. 1	2. 50E-09	0. 138256	0. 07	0. 178	3. 74E-05	CSCL	MFAP1
ZNF629	2. 51E-09	-0. 10557	0. 007	0. 072	3. 74E-05	CSCL	ZNF629
STK10. 2	2. 52E-09	-0. 21065	0. 009	0. 075	3. 77E-05	CSCL	STK10
COMMD10. 1	2. 55E-09	0. 17034	0. 103	0. 231	3. 81E-05	CSCL	COMMD10
GPC2. 2	2. 55E-09	-0. 14466	0. 07	0. 173	3. 82E-05	CSCL	GPC2
LSM1	2. 55E-09	0. 19504	0. 241	0. 467	3. 82E-05	CSCL	LSM1
DYNC2LI1. 2	6. 2E-09	0. 124765	0. 065	0. 169	3. 91E-05	CSCL	DYNC2LI1
CAMTA2. 1	2. 71E-09	-0. 10498	0. 012	0. 081	4. 04E-05	CSCL	CAMTA2
GHDC. 1	2. 71E-09	-0. 10022	0. 021	0. 097	4. 06E-05	CSCL	GHDC
DENND4B. 2	2. 73E-09	-0. 14936	0. 007	0. 072	4. 08E-05	CSCL	DENND4B
ZC3H14. 1	2. 73E-09	0. 184124	0. 089	0. 209	4. 08E-05	CSCL	ZC3H14
MBNL2. 2	2. 77E-09	-0. 13255	0. 023	0. 099	4. 14E-05	CSCL	MBNL2
REXO2. 2	2. 80E-09	0. 138725	0. 162	0. 327	4. 18E-05	CSCL	REXO2
CCNYL1. 1	2. 81E-09	-0. 13805	0. 002	0. 062	4. 20E-05	CSCL	CCNYL1
TRPV2. 2	2. 82E-09	-0. 24394	0. 002	0. 062	4. 22E-05	CSCL	TRPV2
PSMC1. 1	2. 84E-09	0. 225301	0. 199	0. 394	4. 25E-05	CSCL	PSMC1
PIGZ	2. 86E-09	-0. 10416	0. 003	0. 065	4. 27E-05	CSCL	PIGZ
SCP2. 2	2. 93E-09	0. 103468	0. 314	0. 597	4. 37E-05	CSCL	SCP2
MIR181A1H	2. 95E-09	-0. 13391	0. 033	0. 117	4. 41E-05	CSCL	MIR181A1HG
MYT1L. 2	3. 00E-09	-0. 21973	0. 002	0. 062	4. 48E-05	CSCL	MYT1L
CTNS	3. 07E-09	-0. 10848	0. 016	0. 087	4. 59E-05	CSCL	CTNS
LRP1. 1	3. 08E-09	0. 160384	0. 182	0. 359	4. 61E-05	CSCL	LRP1
TPCN1. 2	3. 09E-09	-0. 14756	0. 019	0. 093	4. 61E-05	CSCL	TPCN1
RREB1. 2	3. 11E-09	-0. 1508	0. 009	0. 075	4. 65E-05	CSCL	RREB1
SRP14. 1	3. 27E-09	0. 215219	0. 64	0. 878	4. 89E-05	CSCL	SRP14
BRSK1	3. 29E-09	-0. 11729	0. 016	0. 087	4. 91E-05	CSCL	BRSK1
SEC24A. 1	3. 29E-09	-0. 10118	0. 01	0. 078	4. 92E-05	CSCL	SEC24A
UPRT	3. 32E-09	-0. 11283	0. 017	0. 09	4. 96E-05	CSCL	UPRT
SYT1. 2	3. 32E-09	-0. 25074	0. 026	0. 104	4. 97E-05	CSCL	SYT1
PRMT3. 1	3. 35E-09	-0. 1056	0. 019	0. 093	5. 01E-05	CSCL	PRMT3
EMILIN2. 2	3. 37E-09	-0. 1148	0. 014	0. 084	5. 04E-05	CSCL	EMILIN2
IL6R. 2	3. 41E-09	-0. 23792	0. 017	0. 089	5. 09E-05	CSCL	IL6R
DRG2. 1	3. 41E-09	0. 173964	0. 087	0. 206	5. 09E-05	CSCL	DRG2
RP11-556E	3. 43E-09	-0. 27838	0	0. 058	5. 13E-05	CSCL	RP11-556E13. 1
CCDC28B. 1	3. 48E-09	0. 207874	0. 099	0. 225	5. 20E-05	CSCL	CCDC28B
NTPCR. 1	3. 51E-09	0. 205561	0. 134	0. 28	5. 25E-05	CSCL	NTPCR
FMNL3. 2	3. 61E-09	-0. 18174	0. 012	0. 08	5. 39E-05	CSCL	FMNL3
EML2. 2	3. 62E-09	-0. 13906	0. 016	0. 086	5. 40E-05	CSCL	EML2
PRPS1. 2	3. 63E-09	0. 114019	0. 082	0. 195	5. 42E-05	CSCL	PRPS1
CFL2. 1	3. 65E-09	0. 199471	0. 168	0. 336	5. 46E-05	CSCL	CFL2
NLE1. 1	3. 74E-09	-0. 105	0. 005	0. 068	5. 60E-05	CSCL	NLE1
FYN. 1	3. 82E-09	0. 174605	0. 166	0. 334	5. 71E-05	CSCL	FYN

ACAP1.1	3.87E-09	-0.1348	0.014	0.083	5.78E-05	CSCL	ACAP1
PROSER1.1	4.00E-09	-0.1228	0.01	0.077	5.98E-05	CSCL	PROSER1
CTHRC1.1	4.00E-09	-0.10985	0.005	0.068	5.98E-05	CSCL	CTHRC1
GIMAP7.1	4.09E-09	-0.28791	0	0.057	6.12E-05	CSCL	GIMAP7
CPPED1.2	4.10E-09	-0.18916	0.007	0.071	6.13E-05	CSCL	CPPED1
CLEC4E.1	4.11E-09	-0.33056	0.002	0.061	6.15E-05	CSCL	CLEC4E
TCEAL1.2	4.11E-09	0.112668	0.124	0.262	6.15E-05	CSCL	TCEAL1
TRIM26	4.15E-09	-0.12499	0.024	0.101	6.21E-05	CSCL	TRIM26
HHEX.2	4.22E-09	-0.26745	0.002	0.06	6.31E-05	CSCL	HHEX
ZC3H3.1	4.23E-09	-0.12199	0.014	0.083	6.31E-05	CSCL	ZC3H3
MBD6.2	4.23E-09	-0.10305	0.051	0.144	6.32E-05	CSCL	MBD6
KCNAB2.2	4.23E-09	-0.20685	0.012	0.08	6.32E-05	CSCL	KCNAB2
GTSE1.1	4.28E-09	-0.19546	0.002	0.06	6.39E-05	CSCL	GTSE1
SOS2.2	4.33E-09	-0.10386	0.016	0.086	6.46E-05	CSCL	SOS2
ATG7.1	4.39E-09	-0.12631	0.033	0.115	6.56E-05	CSCL	ATG7
ABHD15.2	4.39E-09	-0.20134	0.002	0.06	6.56E-05	CSCL	ABHD15
TRIM47.2	4.48E-09	0.143576	0.075	0.185	6.70E-05	CSCL	TRIM47
SGOL1.1	4.52E-09	-0.20264	0.002	0.06	6.75E-05	CSCL	SGOL1
PDE4DIP.1	4.53E-09	0.103998	0.131	0.271	6.77E-05	CSCL	PDE4DIP
MOCS2.2	4.54E-09	0.211352	0.127	0.27	6.78E-05	CSCL	MOCS2
INF2.2	4.56E-09	-0.14799	0.017	0.089	6.82E-05	CSCL	INF2
ETV3.2	4.61E-09	-0.15341	0.012	0.08	6.89E-05	CSCL	ETV3
PAQR3.1	4.63E-09	-0.10548	0.012	0.08	6.92E-05	CSCL	PAQR3
MYO1G.2	4.66E-09	-0.22047	0.003	0.064	6.96E-05	CSCL	MYO1G
DRAM1.1	4.80E-09	-0.12463	0.01	0.077	7.17E-05	CSCL	DRAM1
LUC7L3	4.90E-09	0.139903	0.276	0.522	7.32E-05	CSCL	LUC7L3
SMAD5.1	4.92E-09	0.138404	0.07	0.176	7.35E-05	CSCL	SMAD5
RASAL3.2	4.94E-09	-0.24319	0.002	0.06	7.39E-05	CSCL	RASAL3
B3GNTL1.1	4.99E-09	-0.11895	0.003	0.063	7.46E-05	CSCL	B3GNTL1
KNSTRN.2	5.08E-09	-0.14876	0.014	0.083	7.59E-05	CSCL	KNSTRN
CNN2.1	5.15E-09	-0.18641	0.007	0.07	7.70E-05	CSCL	CNN2
LDLRAP1.2	5.24E-09	-0.17146	0.002	0.06	7.83E-05	CSCL	LDLRAP1
PDK3.1	5.33E-09	-0.16285	0.003	0.063	7.96E-05	CSCL	PDK3
CLIP3.1	5.34E-09	0.166493	0.087	0.203	7.98E-05	CSCL	CLIP3
PSRC1	5.39E-09	0.145715	0.129	0.271	8.06E-05	CSCL	PSRC1
HVCN1.2	5.44E-09	-0.14151	0.024	0.1	8.13E-05	CSCL	HVCN1
TMCC3.2	5.44E-09	-0.16753	0.01	0.076	8.13E-05	CSCL	TMCC3
ARNT.1	5.45E-09	-0.10172	0.01	0.076	8.15E-05	CSCL	ARNT
ADCY7.2	5.55E-09	-0.24507	0.005	0.066	8.29E-05	CSCL	ADCY7
SFXN5.2	5.60E-09	0.102655	0.082	0.194	8.37E-05	CSCL	SFXN5
SCFD1.1	5.67E-09	0.151823	0.122	0.259	8.48E-05	CSCL	SCFD1
FBXO34.2	5.68E-09	-0.12255	0.021	0.094	8.49E-05	CSCL	FBXO34
ZMYND15.1	5.72E-09	-0.15964	0.002	0.06	8.54E-05	CSCL	ZMYND15
DPYSL3.1	5.73E-09	0.127822	0.166	0.33	8.56E-05	CSCL	DPYSL3
ELOF1.1	5.79E-09	0.21868	0.223	0.434	8.65E-05	CSCL	ELOF1
RASA2.1	5.80E-09	-0.11037	0.012	0.079	8.67E-05	CSCL	RASA2
HIST2H2AA	5.88E-09	-0.20555	0.005	0.066	8.79E-05	CSCL	HIST2H2AA3
WDR6.1	5.91E-09	0.106357	0.11	0.238	8.83E-05	CSCL	WDR6
TROVE2.1	6.03E-09	0.235691	0.23	0.443	9.01E-05	CSCL	TROVE2
PRAM1.2	6.17E-09	-0.253	0	0.056	9.23E-05	CSCL	PRAM1
TNFAIP8.1	6.18E-09	-0.23344	0.009	0.073	9.23E-05	CSCL	TNFAIP8

WDSUB1.1	6.18E-09	-0.11431	0.012	0.079	9.23E-05	CSCL	WDSUB1
LYRM5	6.25E-09	0.218447	0.176	0.349	9.35E-05	CSCL	LYRM5
MAN2A2.1	6.34E-09	-0.10198	0.012	0.079	9.47E-05	CSCL	MAN2A2
SPARCL1.1	6.40E-09	0.593504	0.373	0.344	9.56E-05	CSCL	SPARCL1
PIEZ01.2	6.40E-09	-0.11677	0.009	0.073	9.56E-05	CSCL	PIEZ01
LPCAT4.2	6.40E-09	-0.12144	0.009	0.072	9.57E-05	CSCL	LPCAT4
RP11-138A	6.42E-09	-0.20082	0.044	0.129	9.59E-05	CSCL	RP11-138A9.1
B3GNT2.2	6.47E-09	-0.13516	0.007	0.069	9.68E-05	CSCL	B3GNT2
TUSC1.1	6.60E-09	-0.12252	0.014	0.082	9.86E-05	CSCL	TUSC1
STMN2.2	6.62E-09	-0.30542	0.089	0.192	9.90E-05	CSCL	STMN2
PTPRS.2	6.72E-09	0.109619	0.127	0.265	0.0001	CSCL	PTPRS
KLHDC4.1	6.74E-09	-0.15705	0.01	0.075	0.000101	CSCL	KLHDC4
SLC9A9.2	6.79E-09	-0.19005	0.014	0.081	0.000102	CSCL	SLC9A9
ARHGAP20	6.82E-09	-0.11023	0.003	0.063	0.000102	CSCL	ARHGAP20
GGCT.2	6.82E-09	0.222729	0.202	0.396	0.000102	CSCL	GGCT
ZMYM3.1	7.01E-09	-0.11862	0.014	0.082	0.000105	CSCL	ZMYM3
NMI.1	7.12E-09	0.128907	0.079	0.188	0.000106	CSCL	NMI
ATAD5.1	7.15E-09	-0.10836	0.012	0.079	0.000107	CSCL	ATAD5
FHOD1.2	7.20E-09	-0.18832	0.002	0.059	0.000108	CSCL	FHOD1
ITPRIP.2	7.23E-09	-0.17178	0.012	0.078	0.000108	CSCL	ITPRIP
TMEM156.2	7.27E-09	-0.27623	0.002	0.059	0.000109	CSCL	TMEM156
MAP1A.1	7.40E-09	0.131656	0.11	0.236	0.000111	CSCL	MAP1A
HEATR3	7.49E-09	-0.1604	0.002	0.059	0.000112	CSCL	HEATR3
EIF1AX.1	7.57E-09	0.130523	0.297	0.573	0.000113	CSCL	EIF1AX
PAOX.2	7.58E-09	-0.14727	0	0.055	0.000113	CSCL	PAOX
TTC9B.2	7.60E-09	-0.16407	0.04	0.124	0.000114	CSCL	TTC9B
ZNF669.1	7.73E-09	-0.11062	0.024	0.099	0.000116	CSCL	ZNF669
ITGA5	7.97E-09	-0.11106	0.017	0.087	0.000119	CSCL	ITGA5
ZNF37A.2	8.04E-09	0.103448	0.051	0.143	0.00012	CSCL	ZNF37A
TMEM144.2	8.06E-09	-0.30119	0.014	0.081	0.00012	CSCL	TMEM144
LTBR.2	8.07E-09	-0.18795	0.024	0.099	0.000121	CSCL	LTBR
TCTEX1D2.	8.09E-09	0.247876	0.106	0.233	0.000121	CSCL	TCTEX1D2
GNGT2.2	8.28E-09	-0.24181	0	0.055	0.000124	CSCL	GNGT2
PARP12.2	8.33E-09	-0.12846	0.012	0.078	0.000125	CSCL	PARP12
LRRC8C.2	8.39E-09	-0.16642	0.003	0.062	0.000125	CSCL	LRRC8C
DOK2.1	8.42E-09	-0.2611	0.002	0.058	0.000126	CSCL	DOK2
FURIN.2	8.46E-09	-0.15415	0.01	0.075	0.000126	CSCL	FURIN
STRAP.1	8.46E-09	0.106775	0.3	0.566	0.000126	CSCL	STRAP
SEZ6L2.1	8.62E-09	0.139795	0.136	0.28	0.000129	CSCL	SEZ6L2
ALDH3B1	8.73E-09	-0.16584	0.01	0.075	0.00013	CSCL	ALDH3B1
GCDH	8.95E-09	0.127205	0.089	0.203	0.000134	CSCL	GCDH
MEX3D.1	8.99E-09	-0.12043	0.005	0.065	0.000134	CSCL	MEX3D
S100A10.2	9.02E-09	0.514263	0.492	0.547	0.000135	CSCL	S100A10
PGAM5.1	9.05E-09	-0.12773	0.002	0.058	0.000135	CSCL	PGAM5
DAPK1	9.12E-09	-0.16014	0.003	0.062	0.000136	CSCL	DAPK1
MAP2.2	9.12E-09	0.131171	0.176	0.346	0.000136	CSCL	MAP2
UBR1.1	9.23E-09	-0.12126	0.014	0.081	0.000138	CSCL	UBR1
WDR91.2	9.27E-09	-0.12485	0.019	0.089	0.000139	CSCL	WDR91
FLI1.2	9.30E-09	-0.24566	0	0.055	0.000139	CSCL	FLI1
ZDHHC4.2	9.39E-09	0.225735	0.185	0.363	0.00014	CSCL	ZDHHC4
TRAPPC8.1	9.39E-09	-0.11735	0.009	0.071	0.00014	CSCL	TRAPPC8

WDR36	9.42E-09	-0.10427	0.014	0.081	0.000141	CSCL	WDR36
CRTC2.1	9.47E-09	-0.10308	0.012	0.077	0.000142	CSCL	CRTC2
NFIL3.2	9.49E-09	-0.1923	0.017	0.087	0.000142	CSCL	NFIL3
IL27RA.1	9.69E-09	-0.13201	0.002	0.058	0.000145	CSCL	IL27RA
PI4K2A.2	9.72E-09	-0.13697	0.007	0.068	0.000145	CSCL	PI4K2A
STOX2.2	9.73E-09	-0.1071	0.023	0.096	0.000145	CSCL	STOX2
PEMT.1	9.78E-09	0.185267	0.098	0.218	0.000146	CSCL	PEMT
DNAJC19.2	9.82E-09	0.222995	0.206	0.398	0.000147	CSCL	DNAJC19
LHFP.2	9.98E-09	0.172126	0.11	0.238	0.000149	CSCL	LHFP
FAM195B.1	1.00E-08	0.575865	0.122	0.065	0.000149	CSCL	FAM195B
ZNF75A.1	1.03E-08	0.141697	0.099	0.22	0.000153	CSCL	ZNF75A
SPDL1.1	1.03E-08	-0.11748	0.007	0.068	0.000155	CSCL	SPDL1
NSG1.2	1.04E-08	-0.1383	0.079	0.181	0.000155	CSCL	NSG1
HPSE.2	1.04E-08	-0.25152	0.003	0.061	0.000155	CSCL	HPSE
TRIP6.2	1.04E-08	0.140451	0.122	0.255	0.000156	CSCL	TRIP6
TUBB4A.2	1.05E-08	-0.1943	0.04	0.122	0.000156	CSCL	TUBB4A
PET100.1	1.05E-08	0.130614	0.283	0.537	0.000157	CSCL	PET100
THAP3.1	1.05E-08	0.117145	0.049	0.139	0.000158	CSCL	THAP3
ATP5H.1	1.06E-08	0.120784	0.353	0.664	0.000159	CSCL	ATP5H
PCSK7.2	1.11E-08	0.121813	0.143	0.289	0.000165	CSCL	PCSK7
MR1	1.12E-08	-0.12578	0.021	0.092	0.000167	CSCL	MR1
CLEC4A.2	1.13E-08	-0.22061	0.005	0.064	0.000169	CSCL	CLEC4A
VRK2.2	1.18E-08	-0.21679	0.002	0.057	0.000176	CSCL	VRK2
ZFAND2A.2	1.22E-08	0.182372	0.145	0.29	0.000183	CSCL	ZFAND2A
ABCA2.2	1.25E-08	-0.22205	0.026	0.099	0.000187	CSCL	ABCA2
DECR1.1	1.27E-08	0.152088	0.222	0.422	0.00019	CSCL	DECR1
FAM13B.2	1.28E-08	-0.12273	0.019	0.089	0.000191	CSCL	FAM13B
AKT2	1.28E-08	0.123147	0.082	0.191	0.000191	CSCL	AKT2
TMBIM6.1	1.30E-08	0.222361	0.623	0.849	0.000194	CSCL	TMBIM6
HIST2H2AC	1.30E-08	-0.11301	0.003	0.061	0.000195	CSCL	HIST2H2AC
KCTD2	1.31E-08	-0.11451	0.007	0.067	0.000196	CSCL	KCTD2
KIAA1549.	1.32E-08	-0.11593	0.024	0.097	0.000198	CSCL	KIAA1549
ATG16L1	1.33E-08	-0.11309	0.009	0.07	0.000198	CSCL	ATG16L1
PDE7A.2	1.33E-08	-0.10997	0.017	0.086	0.000199	CSCL	PDE7A
MTURN.1	1.38E-08	-0.14564	0.016	0.082	0.000207	CSCL	MTURN
ZFYVE27	1.38E-08	-0.1289	0.016	0.082	0.000207	CSCL	ZFYVE27
FGD2.2	1.39E-08	-0.27368	0.005	0.063	0.000208	CSCL	FGD2
RP11-284F	1.40E-08	0.19621	0.03	0.007	0.000209	CSCL	RP11-284F21.8
NEK3.2	1.41E-08	-0.12714	0.007	0.067	0.000211	CSCL	NEK3
C15orf40	1.41E-08	0.127888	0.066	0.166	0.000211	CSCL	C15orf40
TNS3.2	1.42E-08	-0.1271	0.012	0.076	0.000213	CSCL	TNS3
PANX1.1	1.44E-08	-0.11434	0.014	0.079	0.000215	CSCL	PANX1
GSE1.2	1.45E-08	-0.10271	0.023	0.095	0.000217	CSCL	GSE1
NDUFA9	1.45E-08	0.21509	0.204	0.393	0.000217	CSCL	NDUFA9
CXXC5.2	1.50E-08	0.182265	0.202	0.389	0.000223	CSCL	CXXC5
MAGEH1.1	1.50E-08	0.126046	0.168	0.325	0.000224	CSCL	MAGEH1
SLC25A6.1	1.50E-08	0.19963	0.635	0.869	0.000224	CSCL	SLC25A6
METAP2.1	1.56E-08	0.220961	0.253	0.481	0.000234	CSCL	METAP2
TVP23B.2	1.59E-08	-0.10423	0.03	0.105	0.000238	CSCL	TVP23B
TTL12.1	1.62E-08	-0.12786	0.007	0.066	0.000242	CSCL	TTL12
ANG.1	1.62E-08	-0.20304	0.019	0.087	0.000242	CSCL	ANG

DDX20. 1	1. 62E-08	-0. 10842	0. 012	0. 076	0. 000242	CSCL	DDX20
FAM120B. 1	1. 63E-08	-0. 13215	0. 017	0. 085	0. 000244	CSCL	FAM120B
ATXN7L3. 1	1. 63E-08	-0. 10081	0. 007	0. 066	0. 000244	CSCL	ATXN7L3
TBC1D13. 1	1. 68E-08	-0. 12091	0. 01	0. 073	0. 000252	CSCL	TBC1D13
REX01. 1	1. 70E-08	-0. 10667	0. 01	0. 073	0. 000253	CSCL	REX01
CPNE2. 2	1. 70E-08	0. 238848	0. 077	0. 183	0. 000254	CSCL	CPNE2
TMEM91. 2	1. 74E-08	-0. 14092	0. 012	0. 076	0. 000261	CSCL	TMEM91
USP37. 1	1. 79E-08	-0. 13153	0. 009	0. 069	0. 000267	CSCL	USP37
YIF1A. 2	1. 80E-08	0. 193845	0. 227	0. 434	0. 000269	CSCL	YIF1A
LILRB2. 2	1. 81E-08	-0. 24653	0. 002	0. 056	0. 00027	CSCL	LILRB2
IL7R. 2	1. 83E-08	-0. 26355	0. 002	0. 056	0. 000273	CSCL	IL7R
TTC13. 1	1. 84E-08	-0. 12522	0. 01	0. 072	0. 000274	CSCL	TTC13
ZRANB1. 1	1. 86E-08	-0. 11828	0. 007	0. 066	0. 000277	CSCL	ZRANB1
GBGT1. 2	1. 88E-08	-0. 20223	0	0. 052	0. 00028	CSCL	GBGT1
MTHFR. 1	1. 92E-08	-0. 14391	0. 016	0. 081	0. 000287	CSCL	MTHFR
IKBKE. 2	1. 93E-08	-0. 18244	0. 003	0. 059	0. 000289	CSCL	IKBKE
LAYN. 1	1. 95E-08	-0. 10335	0. 003	0. 059	0. 000292	CSCL	LAYN
SETD9	2. 02E-08	0. 102821	0. 049	0. 137	0. 000303	CSCL	SETD9
PFDN2. 1	2. 04E-08	0. 126031	0. 332	0. 625	0. 000305	CSCL	PFDN2
ZWILCH. 2	2. 05E-08	-0. 11246	0. 014	0. 078	0. 000306	CSCL	ZWILCH
LAPTM4B. 2	2. 05E-08	0. 218083	0. 173	0. 339	0. 000306	CSCL	LAPTM4B
SHCBP1. 2	2. 07E-08	-0. 14322	0. 002	0. 056	0. 000309	CSCL	SHCBP1
PPP5C. 1	2. 08E-08	0. 18531	0. 077	0. 182	0. 00031	CSCL	PPP5C
RNGTT. 1	2. 08E-08	-0. 12624	0. 014	0. 078	0. 000311	CSCL	RNGTT
LYRM9. 1	2. 10E-08	0. 101689	0. 075	0. 178	0. 000314	CSCL	LYRM9
MXD3. 2	2. 13E-08	-0. 10335	0. 007	0. 066	0. 000318	CSCL	MXD3
FDPS. 1	2. 15E-08	0. 274128	0. 222	0. 426	0. 000322	CSCL	FDPS
REEP1. 2	2. 18E-08	-0. 11883	0. 017	0. 084	0. 000325	CSCL	REEP1
PITPNM1. 1	2. 18E-08	-0. 12698	0. 003	0. 059	0. 000325	CSCL	PITPNM1
GAB2. 1	2. 28E-08	-0. 14514	0. 009	0. 069	0. 000341	CSCL	GAB2
TTC7A. 2	2. 29E-08	-0. 16874	0. 014	0. 078	0. 000342	CSCL	TTC7A
SUPV3L1	2. 30E-08	-0. 15272	0. 009	0. 069	0. 000344	CSCL	SUPV3L1
SRR. 1	2. 31E-08	0. 107377	0. 063	0. 159	0. 000345	CSCL	SRR
ECD. 1	2. 32E-08	-0. 11464	0. 014	0. 078	0. 000346	CSCL	ECD
IGDCC3. 2	2. 32E-08	-0. 10764	0. 007	0. 065	0. 000347	CSCL	IGDCC3
ACSF2. 1	2. 36E-08	-0. 13046	0. 009	0. 068	0. 000352	CSCL	ACSF2
FGFR10P	2. 38E-08	-0. 10162	0. 017	0. 084	0. 000356	CSCL	FGFR10P
TFEC. 2	2. 39E-08	-0. 22345	0. 003	0. 059	0. 000358	CSCL	TFEC
TFEB. 2	2. 40E-08	-0. 1071	0. 016	0. 081	0. 000359	CSCL	TFEB
ANLN. 1	2. 44E-08	-0. 18785	0. 007	0. 065	0. 000364	CSCL	ANLN
MYLK	2. 46E-08	-0. 18817	0. 005	0. 062	0. 000368	CSCL	MYLK
FBXL6	2. 47E-08	-0. 11353	0. 01	0. 071	0. 00037	CSCL	FBXL6
RABL3	2. 49E-08	-0. 12096	0. 009	0. 068	0. 000372	CSCL	RABL3
LINC00667	2. 50E-08	0. 19968	0. 12	0. 25	0. 000374	CSCL	LINC00667
AKAP7. 2	2. 51E-08	0. 129997	0. 089	0. 2	0. 000375	CSCL	AKAP7
ARL13B. 2	2. 55E-08	0. 142766	0. 056	0. 147	0. 000381	CSCL	ARL13B
RGS18. 2	2. 56E-08	-0. 23641	0. 002	0. 055	0. 000382	CSCL	RGS18
ARHGAP23. 2	2. 60E-08	-0. 14503	0. 002	0. 055	0. 000389	CSCL	ARHGAP23
TRAF3IP3. 2	2. 62E-08	-0. 26146	0. 002	0. 055	0. 000392	CSCL	TRAF3IP3
RUNDC3A. 2	2. 65E-08	-0. 10615	0. 028	0. 101	0. 000397	CSCL	RUNDC3A
KDM1B. 1	2. 68E-08	-0. 12629	0. 005	0. 062	0. 0004	CSCL	KDM1B

CDCA3. 1	2. 69E-08	-0. 15147	0. 002	0. 055	0. 000402	CSCL	CDCA3
SEC11A. 1	2. 73E-08	0. 16489	0. 319	0. 605	0. 000407	CSCL	SEC11A
SPN. 2	2. 74E-08	-0. 2284	0. 003	0. 058	0. 000409	CSCL	SPN
CLSPN. 2	2. 74E-08	-0. 14411	0. 007	0. 065	0. 00041	CSCL	CLSPN
DCLK2. 2	2. 77E-08	0. 14967	0. 091	0. 201	0. 000415	CSCL	DCLK2
GOLM1. 1	2. 82E-08	0. 224358	0. 164	0. 324	0. 000422	CSCL	GOLM1
SEL1L3	2. 90E-08	-0. 10841	0. 012	0. 074	0. 000434	CSCL	SEL1L3
ANKRD16. 1	2. 92E-08	-0. 10259	0. 002	0. 055	0. 000436	CSCL	ANKRD16
MICU3. 2	2. 99E-08	-0. 12691	0. 019	0. 086	0. 000447	CSCL	MICU3
UNC45A	3. 04E-08	0. 110968	0. 068	0. 165	0. 000455	CSCL	UNC45A
GBP2. 1	3. 10E-08	0. 105242	0. 099	0. 214	0. 000464	CSCL	GBP2
ELAVL2. 2	3. 11E-08	-0. 15888	0. 017	0. 083	0. 000464	CSCL	ELAVL2
NUDC. 2	3. 12E-08	0. 184104	0. 314	0. 593	0. 000466	CSCL	NUDC
LRCH1	3. 13E-08	-0. 13965	0. 005	0. 061	0. 000468	CSCL	LRCH1
SNRNP35. 1	3. 16E-08	0. 155945	0. 091	0. 201	0. 000473	CSCL	SNRNP35
CENPE. 2	3. 16E-08	-0. 18246	0. 003	0. 058	0. 000473	CSCL	CENPE
ZNF226. 2	3. 27E-08	0. 176089	0. 096	0. 209	0. 000488	CSCL	ZNF226
SLC25A4. 2	3. 31E-08	0. 161514	0. 232	0. 436	0. 000494	CSCL	SLC25A4
UHRF1BP1L	3. 32E-08	-0. 1171	0. 01	0. 071	0. 000496	CSCL	UHRF1BP1L
RASGRP2. 2	3. 36E-08	-0. 18841	0. 002	0. 054	0. 000502	CSCL	RASGRP2
IFT57. 2	3. 37E-08	0. 172171	0. 124	0. 254	0. 000504	CSCL	IFT57
CELF5. 2	3. 43E-08	-0. 15434	0. 024	0. 094	0. 000513	CSCL	CELF5
HOPX. 1	3. 46E-08	0. 66021	0. 321	0. 28	0. 000517	CSCL	HOPX
TCF19	3. 46E-08	-0. 13965	0	0. 051	0. 000517	CSCL	TCF19
ARMC6	3. 51E-08	0. 13748	0. 068	0. 165	0. 000524	CSCL	ARMC6
GCC1. 1	3. 56E-08	-0. 12443	0. 012	0. 073	0. 000532	CSCL	GCC1
PSMC3IP. 1	3. 57E-08	-0. 10174	0. 012	0. 073	0. 000534	CSCL	PSMC3IP
MAPT. 2	3. 58E-08	0. 100847	0. 15	0. 292	0. 000534	CSCL	MAPT
SGK3. 2	3. 65E-08	-0. 14378	0. 01	0. 07	0. 000545	CSCL	SGK3
RFWD3. 1	3. 66E-08	-0. 12888	0. 005	0. 061	0. 000546	CSCL	RFWD3
KIF16B	3. 67E-08	-0. 10997	0. 007	0. 064	0. 000548	CSCL	KIF16B
TBC1D4. 2	3. 67E-08	-0. 19754	0	0. 05	0. 000548	CSCL	TBC1D4
FAM84A. 1	3. 68E-08	0. 134038	0. 058	0. 149	0. 000549	CSCL	FAM84A
RP11-480C	3. 78E-08	-0. 28452	0	0. 05	0. 000565	CSCL	RP11-480C22. 1
LINC00152	3. 84E-08	0. 190789	0. 131	0. 265	0. 000574	CSCL	LINC00152
TCTN1. 1	3. 85E-08	0. 162209	0. 101	0. 218	0. 000575	CSCL	TCTN1
C19orf38.	3. 89E-08	-0. 24102	0	0. 05	0. 000581	CSCL	C19orf38
HOXB2. 2	3. 92E-08	-0. 17357	0. 021	0. 087	0. 000586	CSCL	HOXB2
MAN1A1. 1	4. 00E-08	-0. 19551	0	0. 05	0. 000598	CSCL	MAN1A1
PLA2G7. 2	4. 04E-08	-0. 20297	0. 002	0. 054	0. 000603	CSCL	PLA2G7
TSC22D1. 1	4. 04E-08	0. 458933	0. 459	0. 514	0. 000604	CSCL	TSC22D1
ILF3-AS1.	4. 06E-08	0. 213519	0. 162	0. 317	0. 000607	CSCL	ILF3-AS1
RGS16. 1	4. 09E-08	0. 182771	0. 143	0. 282	0. 000612	CSCL	RGS16
CLIC4. 1	4. 11E-08	0. 148983	0. 178	0. 34	0. 000614	CSCL	CLIC4
ACP5. 2	4. 12E-08	-0. 223	0	0. 05	0. 000616	CSCL	ACP5
RBX1. 2	4. 13E-08	0. 106806	0. 36	0. 681	0. 000617	CSCL	RBX1
FAM13A	4. 15E-08	-0. 13851	0. 03	0. 102	0. 000621	CSCL	FAM13A
WDR37	4. 18E-08	-0. 13572	0. 005	0. 06	0. 000625	CSCL	WDR37
ANKRD44. 1	4. 22E-08	-0. 14724	0. 028	0. 099	0. 000631	CSCL	ANKRD44
SMOX. 2	4. 29E-08	0. 235183	0. 124	0. 253	0. 000642	CSCL	SMOX
DHRS4. 1	4. 31E-08	-0. 11064	0. 019	0. 085	0. 000645	CSCL	DHRS4

CD59. 2	4. 34E-08	0. 133715	0. 304	0. 566	0. 000649	CSCL	CD59
ENPP4	4. 35E-08	-0. 18651	0. 003	0. 057	0. 000651	CSCL	ENPP4
CLECL1. 2	4. 50E-08	-0. 20171	0	0. 05	0. 000672	CSCL	CLECL1
SNUPN. 1	4. 51E-08	0. 15959	0. 07	0. 167	0. 000674	CSCL	SNUPN
CDT1. 1	4. 61E-08	-0. 12404	0. 007	0. 063	0. 000689	CSCL	CDT1
PDDC1. 1	4. 65E-08	0. 10274	0. 059	0. 15	0. 000694	CSCL	PDDC1
MORN4. 1	4. 67E-08	-0. 10295	0. 002	0. 053	0. 000698	CSCL	MORN4
METTL22. 2	4. 69E-08	-0. 10941	0. 024	0. 093	0. 000701	CSCL	METTL22
ALKBH2. 2	4. 70E-08	0. 207462	0. 091	0. 2	0. 000702	CSCL	ALKBH2
TUBD1	4. 71E-08	-0. 11921	0. 021	0. 087	0. 000704	CSCL	TUBD1
ARMC8. 1	4. 79E-08	0. 106154	0. 094	0. 206	0. 000715	CSCL	ARMC8
GIMAP5. 2	4. 90E-08	-0. 22235	0. 002	0. 053	0. 000732	CSCL	GIMAP5
TMEM52B. 2	4. 91E-08	-0. 23801	0	0. 05	0. 000734	CSCL	TMEM52B
ZNF574. 1	4. 94E-08	-0. 10334	0. 023	0. 09	0. 000739	CSCL	ZNF574
PXMP4	5. 01E-08	-0. 10131	0. 009	0. 066	0. 000749	CSCL	PXMP4
WDR54. 2	5. 04E-08	0. 216492	0. 115	0. 24	0. 000753	CSCL	WDR54
KLHL35. 1	5. 05E-08	-0. 20131	0. 028	0. 097	0. 000754	CSCL	KLHL35
POMC. 2	5. 05E-08	-0. 2209	0	0. 049	0. 000755	CSCL	POMC
RAB2B. 1	5. 12E-08	-0. 10261	0. 019	0. 084	0. 000765	CSCL	RAB2B
KLHL6. 2	5. 15E-08	-0. 24551	0. 002	0. 053	0. 00077	CSCL	KLHL6
ZNF300. 1	5. 16E-08	-0. 11353	0. 012	0. 072	0. 000772	CSCL	ZNF300
ATG2A. 1	5. 25E-08	-0. 14148	0. 016	0. 078	0. 000784	CSCL	ATG2A
APAF1. 2	5. 25E-08	-0. 1388	0. 01	0. 069	0. 000785	CSCL	APAF1
MAGI1. 2	5. 26E-08	0. 150799	0. 092	0. 203	0. 000787	CSCL	MAGI1
ZSWIM8. 2	5. 27E-08	-0. 12069	0. 017	0. 081	0. 000788	CSCL	ZSWIM8
TRMT1L. 1	5. 29E-08	-0. 12881	0. 01	0. 069	0. 000791	CSCL	TRMT1L
RAB27A. 1	5. 30E-08	-0. 11862	0. 017	0. 081	0. 000792	CSCL	RAB27A
PLEKHA4. 1	5. 31E-08	0. 147244	0. 047	0. 131	0. 000793	CSCL	PLEKHA4
SPOPL. 1	5. 34E-08	-0. 13302	0. 003	0. 056	0. 000797	CSCL	SPOPL
CELF3. 2	5. 36E-08	-0. 17661	0. 01	0. 069	0. 0008	CSCL	CELF3
PRR5. 2	5. 36E-08	-0. 18706	0	0. 049	0. 0008	CSCL	PRR5
SLFN5	5. 54E-08	-0. 15399	0. 007	0. 063	0. 000828	CSCL	SLFN5
RITA1	5. 57E-08	0. 149566	0. 051	0. 136	0. 000833	CSCL	RITA1
YJEFN3. 1	5. 58E-08	-0. 11167	0. 009	0. 066	0. 000833	CSCL	YJEFN3
C14orf166	5. 70E-08	0. 180471	0. 316	0. 598	0. 000851	CSCL	C14orf166
NKG7. 1	5. 76E-08	-0. 28442	0. 002	0. 052	0. 000861	CSCL	NKG7
RASGRP3. 1	5. 78E-08	-0. 25482	0. 012	0. 071	0. 000864	CSCL	RASGRP3
HSPBAP1	5. 81E-08	-0. 17345	0. 014	0. 075	0. 000868	CSCL	HSPBAP1
HSP90AB1.	5. 89E-08	0. 24591	0. 602	0. 832	0. 00088	CSCL	HSP90AB1
PDZD11. 1	5. 89E-08	0. 295126	0. 19	0. 367	0. 00088	CSCL	PDZD11
POC1A. 1	5. 90E-08	-0. 12342	0. 005	0. 059	0. 000882	CSCL	POC1A
HOOK2	5. 93E-08	0. 219867	0. 117	0. 24	0. 000886	CSCL	HOOK2
PROCR. 1	6. 00E-08	-0. 13483	0. 012	0. 072	0. 000897	CSCL	PROCR
AHR. 2	6. 01E-08	-0. 1527	0. 009	0. 065	0. 000898	CSCL	AHR
TNFAIP8L1	6. 05E-08	-0. 11063	0. 019	0. 084	0. 000904	CSCL	TNFAIP8L1
MORC2. 1	6. 13E-08	-0. 10333	0. 007	0. 062	0. 000916	CSCL	MORC2
BEX4. 1	6. 15E-08	0. 11098	0. 269	0. 487	0. 000918	CSCL	BEX4
NNT-AS1. 1	6. 18E-08	0. 254393	0. 108	0. 227	0. 000924	CSCL	NNT-AS1
IFI27L1	6. 23E-08	0. 194765	0. 086	0. 191	0. 000931	CSCL	IFI27L1
SLC9A6. 1	6. 23E-08	-0. 10884	0. 007	0. 062	0. 000932	CSCL	SLC9A6
THBS1. 1	6. 30E-08	-0. 23902	0. 019	0. 083	0. 000941	CSCL	THBS1



C21orf58.	6.34E-08	-0.10759	0.003	0.056	0.000947	CSCL	C21orf58
COX7A2L	6.42E-08	0.127137	0.337	0.627	0.000959	CSCL	COX7A2L
PAXIP1-AS	6.43E-08	0.121407	0.068	0.163	0.00096	CSCL	PAXIP1-AS1
TIMM8B.1	6.43E-08	0.190972	0.295	0.557	0.000961	CSCL	TIMM8B
MLH1	6.50E-08	0.135274	0.065	0.157	0.000972	CSCL	MLH1
MAP3K5	6.53E-08	-0.1433	0.002	0.052	0.000976	CSCL	MAP3K5
TNFAIP2.1	6.59E-08	-0.1127	0.016	0.078	0.000984	CSCL	TNFAIP2
CCNA2.2	6.59E-08	-0.16055	0.005	0.059	0.000985	CSCL	CCNA2
LY6H.1	6.61E-08	-0.18679	0.023	0.089	0.000988	CSCL	LY6H
DLEU7.2	6.61E-08	-0.21242	0.002	0.052	0.000988	CSCL	DLEU7
AKAP12.2	6.79E-08	0.133683	0.087	0.192	0.001014	CSCL	AKAP12
ECT2.1	6.82E-08	-0.11283	0.002	0.052	0.001019	CSCL	ECT2
C10orf76.	6.89E-08	-0.15639	0.005	0.059	0.00103	CSCL	C10orf76
BRCA2	6.96E-08	-0.13729	0	0.048	0.00104	CSCL	BRCA2
LCOR.2	7.08E-08	-0.12191	0.019	0.083	0.001058	CSCL	LCOR
CMKLR1.2	7.10E-08	-0.20923	0.002	0.052	0.00106	CSCL	CMKLR1
SLC22A17.	7.12E-08	0.157271	0.148	0.291	0.001064	CSCL	SLC22A17
CCDC18.2	7.22E-08	-0.13922	0.017	0.08	0.001079	CSCL	CCDC18
EIF2B2	7.25E-08	0.10096	0.079	0.178	0.001083	CSCL	EIF2B2
NCEH1.1	7.31E-08	-0.10083	0.012	0.071	0.001092	CSCL	NCEH1
TIMELESS.	7.33E-08	-0.1077	0.009	0.065	0.001095	CSCL	TIMELESS
MDH1.1	7.34E-08	0.156945	0.3	0.563	0.001097	CSCL	MDH1
C6orf15.1	7.48E-08	0.57167	0.063	0.026	0.001117	CSCL	C6orf15
TAP1	7.70E-08	0.258061	0.129	0.26	0.001151	CSCL	TAP1
CENPA.2	7.77E-08	-0.17312	0.002	0.051	0.001162	CSCL	CENPA
RASSF8-AS	7.91E-08	0.100936	0.07	0.164	0.001182	CSCL	RASSF8-AS1
TFSM	7.98E-08	0.138818	0.145	0.283	0.001193	CSCL	TFSM
PDGFB.1	8.04E-08	-0.23276	0	0.048	0.001202	CSCL	PDGFB
DPY30.1	8.10E-08	0.244367	0.271	0.507	0.001211	CSCL	DPY30
AAMDC.2	8.18E-08	0.20899	0.099	0.212	0.001223	CSCL	AAMDC
F2R.2	8.73E-08	0.170424	0.075	0.173	0.001305	CSCL	F2R
JDP2.2	8.77E-08	-0.18714	0.014	0.073	0.001311	CSCL	JDP2
DPM3.1	8.79E-08	0.250256	0.188	0.361	0.001314	CSCL	DPM3
WNT5A.2	8.85E-08	-0.15713	0.007	0.061	0.001323	CSCL	WNT5A
PLXNA4.1	8.86E-08	-0.10461	0.017	0.079	0.001324	CSCL	PLXNA4
ALDH1L1.1	9.10E-08	0.544299	0.112	0.061	0.001359	CSCL	ALDH1L1
PTGS2.2	9.20E-08	-0.20095	0.009	0.064	0.001375	CSCL	PTGS2
AP5B1	9.51E-08	-0.14602	0.003	0.054	0.001421	CSCL	AP5B1
PBK.2	9.56E-08	-0.12087	0.016	0.076	0.001429	CSCL	PBK
AMPD3.1	9.60E-08	-0.16103	0.003	0.054	0.001434	CSCL	AMPD3
MCF2L.2	9.65E-08	-0.12858	0.03	0.099	0.001442	CSCL	MCF2L
RP11-792A	9.66E-08	0.147314	0.103	0.216	0.001444	CSCL	RP11-792A8.4
PSPH.1	9.92E-08	0.151747	0.068	0.162	0.001482	CSCL	PSPH
ZC3H12A.1	9.92E-08	-0.12277	0.017	0.079	0.001483	CSCL	ZC3H12A
ZNF846.1	9.94E-08	-0.15571	0.014	0.073	0.001485	CSCL	ZNF846
BLOC1S1.1	9.95E-08	0.100852	0.36	0.663	0.001487	CSCL	BLOC1S1
ZFHX4.2	1.01E-07	0.12095	0.065	0.156	0.00151	CSCL	ZFHX4
TRPM2.2	1.02E-07	-0.1859	0.003	0.054	0.001525	CSCL	TRPM2
TSKU	1.02E-07	0.107042	0.023	0.088	0.001531	CSCL	TSKU
PDK1.1	1.04E-07	-0.12155	0.023	0.088	0.001549	CSCL	PDK1
BET1.1	1.05E-07	0.130283	0.11	0.227	0.001562	CSCL	BET1

PLCB2. 2	1. 06E-07	-0. 19631	0. 009	0. 064	0. 001585	CSCL	PLCB2
LRMP. 1	1. 11E-07	-0. 20871	0	0. 047	0. 001654	CSCL	LRMP
ENPP2. 1	1. 11E-07	-0. 28812	0	0. 047	0. 001654	CSCL	ENPP2
ATP5D. 2	1. 13E-07	0. 178379	0. 332	0. 628	0. 001691	CSCL	ATP5D
SPATA33. 1	1. 13E-07	0. 181251	0. 061	0. 15	0. 001691	CSCL	SPATA33
SIRT1. 1	1. 14E-07	-0. 1104	0. 009	0. 064	0. 001698	CSCL	SIRT1
USP31. 1	1. 15E-07	-0. 10205	0. 003	0. 054	0. 00172	CSCL	USP31
NPAS3. 2	1. 16E-07	0. 154711	0. 07	0. 163	0. 001734	CSCL	NPAS3
SNX20. 1	1. 17E-07	-0. 18825	0	0. 047	0. 001753	CSCL	SNX20
TMEM140	1. 19E-07	-0. 18796	0. 002	0. 05	0. 001778	CSCL	TMEM140
OXCT1	1. 19E-07	0. 155914	0. 063	0. 152	0. 001781	CSCL	OXCT1
ZNF626	1. 20E-07	0. 132022	0. 059	0. 147	0. 001791	CSCL	ZNF626
C4orf33	1. 22E-07	-0. 11332	0. 009	0. 063	0. 001816	CSCL	C4orf33
FAM96B. 2	1. 22E-07	0. 127218	0. 36	0. 673	0. 001828	CSCL	FAM96B
RBBP7. 2	1. 23E-07	0. 245265	0. 232	0. 434	0. 001842	CSCL	RBBP7
RP11-553L	1. 24E-07	0. 123679	0. 113	0. 232	0. 00185	CSCL	RP11-553L6. 5
ZNF791	1. 26E-07	0. 132137	0. 143	0. 277	0. 001876	CSCL	ZNF791
MMS19	1. 27E-07	-0. 10655	0. 009	0. 063	0. 001898	CSCL	MMS19
DVL1	1. 27E-07	-0. 10339	0. 003	0. 053	0. 001899	CSCL	DVL1
HSD3B7. 1	1. 28E-07	-0. 12162	0. 017	0. 078	0. 001911	CSCL	HSD3B7
ARL6IP5	1. 29E-07	0. 118183	0. 361	0. 665	0. 001925	CSCL	ARL6IP5
VWA9. 1	1. 29E-07	0. 117738	0. 051	0. 132	0. 001928	CSCL	VWA9
ULK2. 1	1. 31E-07	-0. 10842	0. 01	0. 066	0. 001955	CSCL	ULK2
ARMCX1. 1	1. 32E-07	0. 108552	0. 106	0. 219	0. 001972	CSCL	ARMCX1
IGFBP5. 2	1. 35E-07	0. 740082	0. 307	0. 266	0. 002015	CSCL	IGFBP5
SPAG5. 1	1. 36E-07	-0. 13419	0	0. 046	0. 002026	CSCL	SPAG5
PIF1. 1	1. 36E-07	-0. 13815	0. 003	0. 053	0. 002038	CSCL	PIF1
APBA2. 2	1. 37E-07	0. 16229	0. 101	0. 212	0. 002046	CSCL	APBA2
NUP85. 1	1. 39E-07	0. 105656	0. 047	0. 127	0. 00208	CSCL	NUP85
PLBD2. 2	1. 40E-07	-0. 1161	0. 007	0. 06	0. 00209	CSCL	PLBD2
SLC16A1. 2	1. 43E-07	0. 173845	0. 119	0. 239	0. 00213	CSCL	SLC16A1
PLXNC1. 2	1. 44E-07	-0. 14594	0. 012	0. 069	0. 002149	CSCL	PLXNC1
COMTD1. 2	1. 45E-07	-0. 12825	0. 009	0. 063	0. 002174	CSCL	COMTD1
AGTPBP1. 2	1. 46E-07	-0. 15439	0. 003	0. 053	0. 002175	CSCL	AGTPBP1
RNF157. 1	1. 47E-07	0. 143054	0. 054	0. 138	0. 002201	CSCL	RNF157
ANKS1A. 2	1. 48E-07	-0. 11476	0. 009	0. 063	0. 002213	CSCL	ANKS1A
WARS. 2	1. 48E-07	0. 247748	0. 098	0. 207	0. 002217	CSCL	WARS
GHRL. 2	1. 49E-07	-0. 16015	0. 007	0. 059	0. 002223	CSCL	GHRL
ASTE1. 1	1. 49E-07	-0. 13297	0. 005	0. 056	0. 002229	CSCL	ASTE1
PRKCH. 1	1. 52E-07	-0. 21866	0	0. 046	0. 002275	CSCL	PRKCH
SCRN1. 1	1. 54E-07	0. 182843	0. 084	0. 184	0. 002306	CSCL	SCRN1
DLX6. 2	1. 55E-07	-0. 16208	0. 007	0. 059	0. 002318	CSCL	DLX6
RCBTB1. 2	1. 56E-07	-0. 10254	0. 016	0. 075	0. 002334	CSCL	RCBTB1
SMPD2	1. 56E-07	-0. 12304	0. 002	0. 049	0. 002337	CSCL	SMPD2
MKLN1	1. 62E-07	0. 173879	0. 117	0. 235	0. 002417	CSCL	MKLN1
PGAP2	1. 67E-07	0. 109002	0. 044	0. 121	0. 002492	CSCL	PGAP2
LYPD1	1. 67E-07	0. 220457	0. 094	0. 201	0. 002498	CSCL	LYPD1
SYNJ2BP. 1	1. 67E-07	0. 104512	0. 061	0. 148	0. 002501	CSCL	SYNJ2BP
CYB5D1	1. 71E-07	-0. 14462	0. 005	0. 056	0. 002559	CSCL	CYB5D1
MPP2. 1	1. 75E-07	-0. 10534	0. 009	0. 062	0. 002619	CSCL	MPP2
ASPM. 2	1. 77E-07	-0. 15629	0. 002	0. 049	0. 002643	CSCL	ASPM

PIGU. 1	1. 77E-07	0. 193141	0. 079	0. 176	0. 002651	CSCL	PIGU
NDRG4. 2	1. 80E-07	0. 158628	0. 072	0. 165	0. 002695	CSCL	NDRG4
ATP11C. 1	1. 84E-07	-0. 12344	0. 003	0. 052	0. 002742	CSCL	ATP11C
MOXD1	1. 84E-07	-0. 11096	0. 005	0. 056	0. 002745	CSCL	MOXD1
ADAM8. 1	1. 86E-07	-0. 19791	0	0. 045	0. 002786	CSCL	ADAM8
DTX2. 1	1. 87E-07	-0. 12357	0. 01	0. 065	0. 002789	CSCL	DTX2
ACYP2. 1	1. 88E-07	0. 229346	0. 168	0. 32	0. 002815	CSCL	ACYP2
SERPINI1.	1. 92E-07	-0. 15888	0. 005	0. 055	0. 002875	CSCL	SERPINI1
SLC25A28	1. 98E-07	-0. 10899	0. 005	0. 055	0. 002955	CSCL	SLC25A28
SUCLA2. 1	2. 00E-07	0. 214966	0. 154	0. 294	0. 002982	CSCL	SUCLA2
UFSP2	2. 00E-07	0. 268332	0. 108	0. 222	0. 002983	CSCL	UFSP2
RP6-91H8.	2. 02E-07	-0. 24979	0. 007	0. 058	0. 003024	CSCL	RP6-91H8. 3
PEX11B. 1	2. 03E-07	0. 156573	0. 054	0. 136	0. 003027	CSCL	PEX11B
SFR1. 1	2. 11E-07	-0. 12709	0. 014	0. 071	0. 003154	CSCL	SFR1
DPH5	2. 12E-07	0. 168828	0. 075	0. 169	0. 003161	CSCL	DPH5
RHOJ	2. 13E-07	0. 137675	0. 033	0. 103	0. 00318	CSCL	RHOJ
NUPR1. 1	2. 13E-07	0. 177665	0. 182	0. 331	0. 003189	CSCL	NUPR1
BNIP3. 1	2. 15E-07	0. 207236	0. 108	0. 22	0. 003208	CSCL	BNIP3
SYMPK. 1	2. 16E-07	0. 249037	0. 112	0. 229	0. 003227	CSCL	SYMPK
SBN02. 1	2. 17E-07	-0. 10389	0. 007	0. 058	0. 003246	CSCL	SBN02
RP11-660L	2. 18E-07	0. 138598	0. 049	0. 128	0. 003255	CSCL	RP11-660L16. 2
TMEM163. 1	2. 18E-07	-0. 14286	0. 01	0. 065	0. 003262	CSCL	TMEM163
TES. 2	2. 23E-07	-0. 20791	0. 002	0. 048	0. 003327	CSCL	TES
TMEM63A. 1	2. 23E-07	-0. 14036	0. 016	0. 073	0. 003331	CSCL	TMEM63A
PUF60. 1	2. 24E-07	0. 124018	0. 298	0. 554	0. 003343	CSCL	PUF60
TLR7. 2	2. 25E-07	-0. 22077	0. 007	0. 058	0. 003365	CSCL	TLR7
SDS. 2	2. 26E-07	-0. 22677	0. 009	0. 061	0. 003374	CSCL	SDS
MARCO	2. 26E-07	-0. 27577	0. 009	0. 061	0. 003375	CSCL	MARCO
NDUFV2. 2	2. 26E-07	0. 152976	0. 325	0. 605	0. 003379	CSCL	NDUFV2
CBR4. 2	2. 27E-07	0. 115947	0. 091	0. 193	0. 003386	CSCL	CBR4
NPTN. 1	2. 30E-07	-0. 10731	0. 01	0. 064	0. 003433	CSCL	NPTN
DOPEY2. 2	2. 33E-07	-0. 1218	0. 014	0. 07	0. 003477	CSCL	DOPEY2
RFXANK	2. 36E-07	0. 321222	0. 175	0. 332	0. 003532	CSCL	RFXANK
CBR1. 1	2. 37E-07	0. 13426	0. 267	0. 487	0. 003537	CSCL	CBR1
RAB42. 2	2. 37E-07	-0. 11536	0. 003	0. 052	0. 003543	CSCL	RAB42
TF. 2	2. 39E-07	-0. 30573	0. 017	0. 076	0. 003575	CSCL	TF
ADRB2. 1	2. 41E-07	-0. 23049	0. 002	0. 048	0. 003597	CSCL	ADRB2
RPP40. 1	2. 47E-07	0. 11229	0. 045	0. 122	0. 003684	CSCL	RPP40
SPC25. 2	2. 52E-07	-0. 10776	0. 01	0. 064	0. 003768	CSCL	SPC25
TSPAN33. 1	2. 56E-07	-0. 15675	0	0. 044	0. 003829	CSCL	TSPAN33
AURKB. 2	2. 58E-07	-0. 17956	0. 003	0. 051	0. 003851	CSCL	AURKB
SPC24. 2	2. 64E-07	-0. 12794	0. 003	0. 051	0. 003947	CSCL	SPC24
NT5DC1	2. 65E-07	-0. 17096	0. 005	0. 054	0. 003957	CSCL	NT5DC1
CD300LF. 1	2. 65E-07	-0. 18866	0. 002	0. 048	0. 003958	CSCL	CD300LF
MAN2B1. 2	2. 66E-07	-0. 14075	0. 014	0. 07	0. 003972	CSCL	MAN2B1
SUSD1. 2	2. 71E-07	-0. 1052	0. 007	0. 058	0. 004047	CSCL	SUSD1
FAM212A. 2	2. 71E-07	-0. 21526	0. 003	0. 051	0. 004056	CSCL	FAM212A
FOXM1. 1	2. 73E-07	-0. 10968	0. 005	0. 054	0. 004075	CSCL	FOXM1
CKAP2L. 1	2. 74E-07	-0. 14308	0. 002	0. 048	0. 004092	CSCL	CKAP2L
MPEG1. 1	2. 79E-07	-0. 18066	0	0. 044	0. 004176	CSCL	MPEG1
ARHGAP27.	2. 85E-07	-0. 16395	0. 007	0. 057	0. 00426	CSCL	ARHGAP27

AC074289. 2.	8.6E-07	-0.18702	0.01	0.064	0.004278	CSCL	AC074289. 1
KIF21A. 2	2.88E-07	0.300741	0.162	0.309	0.004303	CSCL	KIF21A
CCDC170. 1	3.04E-07	-0.14612	0.002	0.047	0.004542	CSCL	CCDC170
GRASP. 2	3.08E-07	-0.20905	0.005	0.054	0.004597	CSCL	GRASP
NAA38. 1	3.09E-07	0.239837	0.265	0.482	0.004624	CSCL	NAA38
SPRY1. 2	3.11E-07	0.148436	0.12	0.238	0.004654	CSCL	SPRY1
C5orf45. 1	3.13E-07	0.160391	0.079	0.172	0.004684	CSCL	C5orf45
RASSF3. 1	3.14E-07	-0.15765	0	0.044	0.004687	CSCL	RASSF3
ATF7IP2. 1	3.14E-07	-0.20853	0	0.044	0.004687	CSCL	ATF7IP2
FAM159A. 1	3.14E-07	-0.18514	0.002	0.047	0.004688	CSCL	FAM159A
PRCP. 1	3.17E-07	0.204761	0.197	0.363	0.004731	CSCL	PRCP
AKTIP. 1	3.17E-07	0.165646	0.079	0.173	0.004734	CSCL	AKTIP
NIPA1	3.19E-07	-0.12213	0.005	0.054	0.004766	CSCL	NIPA1
USP28	3.20E-07	-0.10757	0.007	0.057	0.004784	CSCL	USP28
PLK1. 1	3.21E-07	-0.12839	0.007	0.057	0.004794	CSCL	PLK1
BCL11A. 1	3.21E-07	-0.12784	0.003	0.051	0.004795	CSCL	BCL11A
TIFA	3.22E-07	-0.12799	0.009	0.06	0.004812	CSCL	TIFA
CCL3L3. 1	3.24E-07	-0.59656	0.007	0.056	0.004835	CSCL	CCL3L3
ABCC4. 1	3.25E-07	-0.12386	0.002	0.047	0.004851	CSCL	ABCC4
CLCN4. 1	3.28E-07	-0.11204	0.007	0.057	0.004895	CSCL	CLCN4
NCAPG. 1	3.32E-07	-0.12656	0	0.044	0.004966	CSCL	NCAPG
MYBL2. 1	3.34E-07	-0.1036	0.002	0.047	0.004997	CSCL	MYBL2
DUOX1. 2	3.51E-07	-0.12562	0.012	0.066	0.005248	CSCL	DUOX1
SLC46A3. 2	3.53E-07	-0.12834	0.009	0.06	0.005274	CSCL	SLC46A3
ZNF738. 2	3.53E-07	0.109789	0.063	0.148	0.005281	CSCL	ZNF738
C16orf59	3.64E-07	-0.10229	0.002	0.047	0.005433	CSCL	C16orf59
NDC80. 1	3.71E-07	-0.14194	0.003	0.05	0.005537	CSCL	NDC80
KHDRBS3. 2	3.72E-07	0.253993	0.108	0.22	0.00556	CSCL	KHDRBS3
PSTPIP2. 1	3.73E-07	-0.13483	0.002	0.047	0.005572	CSCL	PSTPIP2
CDK6. 2	3.76E-07	0.151232	0.103	0.211	0.005612	CSCL	CDK6
PSTPIP1. 1	3.84E-07	-0.18603	0	0.043	0.005737	CSCL	PSTPIP1
SIGLEC14.	3.84E-07	-0.19474	0.002	0.047	0.005744	CSCL	SIGLEC14
PKIA. 2	4.15E-07	-0.11666	0.031	0.096	0.006196	CSCL	PKIA
PRKAR2B. 2	4.26E-07	-0.10976	0.016	0.071	0.006367	CSCL	PRKAR2B
SNRPB2. 1	4.29E-07	0.199345	0.309	0.577	0.00641	CSCL	SNRPB2
GPSM2. 1	4.42E-07	0.101784	0.086	0.181	0.006606	CSCL	GPSM2
PLCG1	4.43E-07	0.107168	0.035	0.103	0.006621	CSCL	PLCG1
WIZ	4.45E-07	0.114562	0.042	0.114	0.006648	CSCL	WIZ
SLC29A3. 1	4.45E-07	-0.16812	0.002	0.046	0.006648	CSCL	SLC29A3
SHQ1. 1	4.47E-07	-0.11188	0.003	0.05	0.00668	CSCL	SHQ1
PPM1L. 1	4.47E-07	-0.10545	0.003	0.05	0.006681	CSCL	PPM1L
IPMK	4.53E-07	-0.12515	0.002	0.046	0.006773	CSCL	IPMK
TBC1D9. 2	4.57E-07	-0.10786	0.007	0.056	0.006836	CSCL	TBC1D9
DDR1. 1	4.69E-07	0.213585	0.182	0.339	0.00701	CSCL	DDR1
ATPIF1	4.69E-07	0.150435	0.347	0.637	0.007015	CSCL	ATPIF1
PIM2. 1	4.73E-07	-0.1457	0.007	0.056	0.007071	CSCL	PIM2
SLC37A1. 1	4.83E-07	-0.11218	0.007	0.056	0.007217	CSCL	SLC37A1
PHF19. 2	4.93E-07	0.139414	0.054	0.133	0.007371	CSCL	PHF19
ITGB5. 1	4.95E-07	-0.14498	0.009	0.059	0.007392	CSCL	ITGB5
INTS12	5.00E-07	0.178173	0.077	0.169	0.007479	CSCL	INTS12
PEF1. 1	5.06E-07	0.317316	0.175	0.327	0.007557	CSCL	PEF1

SYT11. 2	5. 17E-07	0. 177524	0. 216	0. 392	0. 007728	CSCL	SYT11
QPCT. 2	5. 18E-07	-0. 17	0. 003	0. 049	0. 007742	CSCL	QPCT
DZIP1. 1	5. 24E-07	0. 165819	0. 037	0. 106	0. 007826	CSCL	DZIP1
BUB1. 1	5. 27E-07	-0. 12486	0	0. 042	0. 007879	CSCL	BUB1
DOLK. 1	5. 28E-07	0. 100212	0. 052	0. 13	0. 007886	CSCL	DOLK
CD7. 1	5. 37E-07	-0. 27675	0. 002	0. 045	0. 008028	CSCL	CD7
DNAJA4. 2	5. 37E-07	-0. 17567	0. 012	0. 064	0. 008031	CSCL	DNAJA4
ANKHD1. 1	5. 38E-07	-0. 11246	0. 021	0. 079	0. 008036	CSCL	ANKHD1
CCS. 1	5. 44E-07	0. 225892	0. 14	0. 266	0. 008136	CSCL	CCS
RP11-841C	5. 69E-07	-0. 13042	0. 009	0. 058	0. 008498	CSCL	RP11-841020. 2
SNRPF. 1	5. 73E-07	0. 223058	0. 304	0. 559	0. 008558	CSCL	SNRPF
ATP5J. 1	5. 74E-07	0. 362042	0. 558	0. 761	0. 008573	CSCL	ATP5J
TOMM40L. 1	5. 81E-07	-0. 10867	0. 012	0. 064	0. 008688	CSCL	TOMM40L
ADRBK2. 2	5. 89E-07	-0. 13781	0. 007	0. 055	0. 008805	CSCL	ADRBK2
IL2RG. 1	5. 93E-07	-0. 25086	0. 002	0. 045	0. 008864	CSCL	IL2RG
BTAF1	5. 95E-07	-0. 11609	0. 005	0. 052	0. 008892	CSCL	BTAF1
PHLDB1. 2	5. 96E-07	0. 116583	0. 063	0. 146	0. 008906	CSCL	PHLDB1
NFATC2. 1	5. 99E-07	-0. 19357	0. 003	0. 048	0. 008958	CSCL	NFATC2
SETD4	6. 04E-07	0. 144972	0. 052	0. 129	0. 009027	CSCL	SETD4
ATP8B4. 1	6. 12E-07	-0. 16703	0. 002	0. 045	0. 009146	CSCL	ATP8B4
PLIN3. 1	6. 13E-07	0. 229559	0. 199	0. 366	0. 009159	CSCL	PLIN3
TROAP. 2	6. 28E-07	-0. 10891	0. 003	0. 049	0. 009379	CSCL	TROAP
WRB. 1	6. 41E-07	0. 22823	0. 236	0. 429	0. 009575	CSCL	WRB
RIN1. 1	6. 48E-07	0. 100377	0. 024	0. 085	0. 009691	CSCL	RIN1
EIF4A1. 2	6. 52E-07	0. 163955	0. 628	0. 873	0. 009745	CSCL	EIF4A1
HSPA13. 1	6. 55E-07	0. 142433	0. 101	0. 205	0. 009785	CSCL	HSPA13
NR2C2AP. 1	6. 82E-07	0. 22301	0. 079	0. 17	0. 010186	CSCL	NR2C2AP
HJURP. 1	6. 83E-07	-0. 14157	0	0. 041	0. 010211	CSCL	HJURP
NFATC1. 2	6. 85E-07	-0. 1435	0. 007	0. 055	0. 010242	CSCL	NFATC1
CD52. 1	6. 98E-07	-0. 29382	0. 007	0. 054	0. 010435	CSCL	CD52
SEMA4A. 2	7. 02E-07	-0. 13394	0. 005	0. 051	0. 010483	CSCL	SEMA4A
PARVA. 1	7. 07E-07	0. 10926	0. 033	0. 099	0. 010562	CSCL	PARVA
ZNF468	7. 09E-07	-0. 10744	0. 003	0. 048	0. 010594	CSCL	ZNF468
WDR61	7. 11E-07	0. 284294	0. 194	0. 356	0. 010627	CSCL	WDR61
MMP19	7. 13E-07	-0. 16227	0. 01	0. 061	0. 010657	CSCL	MMP19
CDCA7L. 1	7. 17E-07	0. 12825	0. 068	0. 153	0. 010719	CSCL	CDCA7L
ITGA4. 1	7. 20E-07	-0. 16519	0. 002	0. 045	0. 010756	CSCL	ITGA4
KANSL3. 1	7. 20E-07	-0. 10191	0. 014	0. 067	0. 010761	CSCL	KANSL3
UMPS	7. 23E-07	0. 116925	0. 058	0. 137	0. 010804	CSCL	UMPS
PARPBP	7. 28E-07	-0. 11199	0. 003	0. 048	0. 010882	CSCL	PARPBP
GPRIN3. 2	7. 28E-07	-0. 1364	0. 01	0. 061	0. 010886	CSCL	GPRIN3
IFI27L2. 1	7. 28E-07	0. 161177	0. 271	0. 481	0. 010887	CSCL	IFI27L2
COA3. 1	7. 42E-07	0. 237023	0. 269	0. 487	0. 011082	CSCL	COA3
STAT6. 2	7. 45E-07	-0. 17198	0. 007	0. 054	0. 011139	CSCL	STAT6
TMC8. 1	7. 70E-07	-0. 16211	0. 002	0. 045	0. 011502	CSCL	TMC8
ENO2. 2	7. 90E-07	0. 23743	0. 157	0. 29	0. 0118	CSCL	ENO2
LPAR1. 1	8. 02E-07	-0. 10502	0. 005	0. 051	0. 011987	CSCL	LPAR1
SUCLG1. 1	8. 09E-07	0. 289197	0. 244	0. 446	0. 012091	CSCL	SUCLG1
METTL8. 1	8. 10E-07	0. 137864	0. 049	0. 123	0. 0121	CSCL	METTL8
ZNF883. 1	8. 13E-07	0. 146899	0. 063	0. 145	0. 012143	CSCL	ZNF883
NRCAM. 1	8. 13E-07	0. 149522	0. 147	0. 276	0. 012147	CSCL	NRCAM

MBOAT2.1	8.30E-07	0.262097	0.089	0.186	0.012409	CSCL	MBOAT2
ISOC2.2	8.36E-07	0.281415	0.194	0.357	0.012486	CSCL	ISOC2
PLB1.1	8.58E-07	-0.16351	0.002	0.044	0.012817	CSCL	PLB1
PRKCB.1	8.64E-07	-0.14465	0.002	0.044	0.012917	CSCL	PRKCB
FAM181B.2	8.71E-07	0.11251	0.105	0.208	0.013012	CSCL	FAM181B
SEPT8.2	8.73E-07	0.185034	0.099	0.201	0.013044	CSCL	8-Sep
MORF4L2.1	8.89E-07	0.104251	0.353	0.639	0.013292	CSCL	MORF4L2
SPAG16.2	9.01E-07	0.214259	0.164	0.303	0.013464	CSCL	SPAG16
HS3ST1.2	9.20E-07	-0.15351	0.03	0.091	0.013745	CSCL	HS3ST1
RUNX3.1	9.38E-07	-0.18378	0	0.04	0.014015	CSCL	RUNX3
SBK1.2	9.69E-07	-0.10363	0.019	0.074	0.014479	CSCL	SBK1
PRRG4.1	9.73E-07	-0.16796	0.003	0.047	0.01454	CSCL	PRRG4
CYB5D2	9.74E-07	0.198437	0.124	0.238	0.014555	CSCL	CYB5D2
SLC41A2	9.79E-07	-0.10935	0.003	0.047	0.014637	CSCL	SLC41A2
TCF12.2	9.84E-07	0.279297	0.154	0.29	0.014699	CSCL	TCF12
ARPC1A.2	1.01E-06	0.144316	0.316	0.571	0.015125	CSCL	ARPC1A
SLC38A9.1	1.02E-06	-0.10742	0.014	0.066	0.015312	CSCL	SLC38A9
CRYBB1.1	1.05E-06	-0.19954	0.002	0.044	0.015634	CSCL	CRYBB1
PRKCG.1	1.05E-06	0.358275	0.047	0.019	0.015646	CSCL	PRKCG
SNAI1.1	1.05E-06	-0.16779	0.003	0.047	0.015677	CSCL	SNAI1
TTL7.2	1.05E-06	0.11259	0.129	0.243	0.015717	CSCL	TTL7
LYVE1.1	1.08E-06	-0.30814	0	0.04	0.016184	CSCL	LYVE1
ARRB1.1	1.09E-06	-0.1648	0.002	0.043	0.016233	CSCL	ARRB1
IL10RB-AS	1.10E-06	-0.17929	0.003	0.047	0.016458	CSCL	IL10RB-AS1
PLA2G5.1	1.10E-06	0.782665	0.157	0.106	0.016494	CSCL	PLA2G5
HOXA10.2	1.12E-06	-0.11049	0.023	0.08	0.016789	CSCL	HOXA10
CCDC151.1	1.13E-06	-0.11172	0.014	0.065	0.016876	CSCL	CCDC151
RCN1.2	1.14E-06	0.260087	0.197	0.362	0.017099	CSCL	RCN1
KIF9.2	1.15E-06	0.237991	0.086	0.179	0.017152	CSCL	KIF9
OIP5.1	1.15E-06	-0.10418	0.002	0.043	0.01716	CSCL	OIP5
ZNF397	1.17E-06	0.109881	0.079	0.167	0.017537	CSCL	ZNF397
SHISA4.1	1.18E-06	0.289268	0.131	0.252	0.017618	CSCL	SHISA4
APOBR.1	1.18E-06	-0.17057	0	0.04	0.017642	CSCL	APOBR
PMPCB.1	1.20E-06	0.254394	0.194	0.351	0.017911	CSCL	PMPCB
ZNF618.2	1.21E-06	-0.141	0.005	0.05	0.018057	CSCL	ZNF618
ACAP3.2	1.21E-06	0.141039	0.113	0.221	0.018146	CSCL	ACAP3
LHPP.2	1.21E-06	-0.13662	0.042	0.108	0.018155	CSCL	LHPP
CD72.1	1.22E-06	-0.16246	0.007	0.053	0.018244	CSCL	CD72
LIMCH1.1	1.23E-06	0.138128	0.072	0.156	0.01834	CSCL	LIMCH1
ZC3H8	1.23E-06	0.135948	0.068	0.151	0.018403	CSCL	ZC3H8
MB21D2.1	1.24E-06	-0.12712	0.009	0.056	0.018523	CSCL	MB21D2
MGLL.1	1.24E-06	0.221589	0.066	0.149	0.018529	CSCL	MGLL
UQCRH.2	1.25E-06	0.346216	0.569	0.792	0.018623	CSCL	UQCRH
GAP43.2	1.26E-06	0.395031	0.447	0.467	0.018785	CSCL	GAP43
C4orf3.2	1.26E-06	0.140247	0.36	0.661	0.018806	CSCL	C4orf3
RBM8A.1	1.27E-06	0.175463	0.344	0.627	0.019014	CSCL	RBM8A
AC009948.	1.29E-06	-0.12759	0.009	0.056	0.019219	CSCL	AC009948.5
KMT2E.1	1.29E-06	0.139098	0.307	0.549	0.019259	CSCL	KMT2E
CASP8.2	1.30E-06	-0.13051	0.005	0.05	0.019389	CSCL	CASP8
PLAGL1.1	1.30E-06	-0.1608	0.002	0.043	0.019394	CSCL	PLAGL1
EIF3K.1	1.31E-06	0.348673	0.571	0.768	0.019513	CSCL	EIF3K

SLC25A51.	1.	32E-06	-0.10146	0.009	0.056	0.019673	CSCL	SLC25A51
ADAP1.	1.	34E-06	-0.16332	0.002	0.043	0.020048	CSCL	ADAP1
PIK3R5.	2.	34E-06	-0.14742	0.005	0.049	0.020054	CSCL	PIK3R5
EXOSC5	1.	36E-06	0.178728	0.091	0.185	0.020368	CSCL	EXOSC5
ANKRD46	1.	37E-06	0.128919	0.075	0.161	0.020472	CSCL	ANKRD46
GSTM3	1.	39E-06	0.293035	0.147	0.274	0.020742	CSCL	GSTM3
MASTL.	1.	40E-06	-0.10798	0	0.039	0.020963	CSCL	MASTL
SLC32A1.	1.	40E-06	-0.15731	0	0.039	0.020963	CSCL	SLC32A1
ASCL2.	1.	44E-06	-0.1566	0	0.039	0.021574	CSCL	ASCL2
AC109826.	1.	44E-06	-0.18576	0	0.039	0.021574	CSCL	AC109826.1
NHSL2.	1.	45E-06	0.312663	0.094	0.049	0.021643	CSCL	NHSL2
HNRNPC.	2.	48E-06	0.399634	0.532	0.702	0.022072	CSCL	HNRNPC
CHML	1.	48E-06	-0.10662	0.002	0.042	0.022142	CSCL	CHML
DHTKD1.	1.	50E-06	0.110675	0.054	0.129	0.022449	CSCL	DHTKD1
RP11-536K	1.	53E-06	-0.21985	0	0.039	0.02285	CSCL	RP11-536K7.3
KCNQ10T1.	1.	54E-06	0.149737	0.155	0.284	0.023074	CSCL	KCNQ10T1
TXNDC17.	2.	60E-06	0.217735	0.295	0.537	0.02389	CSCL	TXNDC17
FEZ1.	1.	60E-06	0.133935	0.25	0.439	0.02392	CSCL	FEZ1
JAM2.	2.	61E-06	0.196086	0.138	0.258	0.024016	CSCL	JAM2
SELL.	1.	62E-06	-0.20567	0	0.039	0.024201	CSCL	SELL
IQCG.	2.	64E-06	0.143977	0.052	0.126	0.024557	CSCL	IQCG
MT1E.	2.	66E-06	0.591272	0.38	0.38	0.024822	CSCL	MT1E
ZCCHC14.	1.	71E-06	-0.10127	0.007	0.052	0.025606	CSCL	ZCCHC14
CD180.	1.	72E-06	-0.1566	0	0.039	0.025632	CSCL	CD180
KIF2C.	1.	73E-06	-0.11793	0.003	0.045	0.02583	CSCL	KIF2C
CGRRF1.	1.	73E-06	0.145404	0.08	0.168	0.025874	CSCL	CGRRF1
HSPA1B.	1.	73E-06	0.124013	0.239	0.419	0.025913	CSCL	HSPA1B
HAUS4.	2.	74E-06	-0.14849	0.014	0.064	0.026046	CSCL	HAUS4
MYEOV2.	1.	75E-06	0.117594	0.377	0.689	0.026206	CSCL	MYEOV2
SULT1A1.	1.	77E-06	-0.16176	0.007	0.052	0.026414	CSCL	SULT1A1
TESC	1.	80E-06	-0.11838	0.002	0.042	0.026935	CSCL	TESC
NME7.	2.	81E-06	0.167387	0.079	0.165	0.027028	CSCL	NME7
CDK10.	1.	85E-06	0.133449	0.08	0.168	0.027621	CSCL	CDK10
TNF.	1.	86E-06	-0.20864	0.003	0.045	0.027799	CSCL	TNF
MARVELD1	1.	87E-06	-0.1053	0.002	0.042	0.027934	CSCL	MARVELD1
DOCK5.	2.	88E-06	-0.18011	0.01	0.057	0.028112	CSCL	DOCK5
PRIM2	1.	89E-06	-0.10111	0.01	0.058	0.028233	CSCL	PRIM2
RP11-76E1	1.	92E-06	-0.21492	0	0.038	0.028752	CSCL	RP11-76E17.3
SRSF10.	1.	95E-06	0.210202	0.131	0.246	0.029186	CSCL	SRSF10
TP53TG1.	2.	99E-06	0.174471	0.103	0.202	0.029812	CSCL	TP53TG1
TMEM255B.	2.	04E-06	-0.1503	0.01	0.057	0.030474	CSCL	TMEM255B
CDCA8.	1.	07E-06	-0.13432	0.002	0.041	0.030952	CSCL	CDCA8
GIMAP6.	1.	10E-06	-0.17696	0.003	0.045	0.031377	CSCL	GIMAP6
PKMYT1.	1.	12E-06	-0.11424	0.003	0.045	0.031652	CSCL	PKMYT1
TMEFF2.	2.	12E-06	-0.11346	0.024	0.08	0.031659	CSCL	TMEFF2
AP1S1.	2.	12E-06	0.252897	0.265	0.478	0.031721	CSCL	AP1S1
PSMC3.	1.	13E-06	0.201546	0.302	0.542	0.031784	CSCL	PSMC3
KLF11.	1.	13E-06	-0.12805	0.002	0.041	0.031882	CSCL	KLF11
NDUFB3.	1.	15E-06	0.262173	0.305	0.566	0.032183	CSCL	NDUFB3
FGD3.	1.	16E-06	-0.15635	0.002	0.041	0.032226	CSCL	FGD3
SC5D.	1.	16E-06	0.180697	0.087	0.178	0.032229	CSCL	SC5D

GRAMD4.2	2.22E-06	-0.10239	0.014	0.063	0.033228	CSCL	GRAMD4
ID3.2	2.27E-06	0.129059	0.15	0.27	0.033957	CSCL	ID3
TPK1.1	2.28E-06	-0.15159	0.005	0.048	0.034119	CSCL	TPK1
SMURF1.1	2.32E-06	-0.10793	0.007	0.051	0.034743	CSCL	SMURF1
JAG1.1	2.37E-06	0.249571	0.077	0.163	0.035471	CSCL	JAG1
INA.1	2.40E-06	-0.12885	0.003	0.044	0.035838	CSCL	INA
RHOF.1	2.40E-06	-0.13962	0.009	0.054	0.035921	CSCL	RHOF
TCF20.1	2.42E-06	-0.10151	0.012	0.06	0.036116	CSCL	TCF20
C21orf62.2	2.42E-06	0.181169	0.077	0.162	0.036235	CSCL	C21orf62
TNFSF10	2.45E-06	-0.13319	0.023	0.077	0.036582	CSCL	TNFSF10
MAP7.1	2.46E-06	-0.20125	0.002	0.041	0.036784	CSCL	MAP7
NGDN.1	2.47E-06	0.200002	0.147	0.269	0.036939	CSCL	NGDN
FAM78A.1	2.49E-06	-0.16678	0	0.037	0.037227	CSCL	FAM78A
RBP7.1	2.49E-06	-0.16604	0.005	0.047	0.037232	CSCL	RBP7
TRMT13	2.53E-06	0.140427	0.063	0.14	0.037805	CSCL	TRMT13
CDC45.1	2.56E-06	-0.10534	0	0.037	0.038311	CSCL	CDC45
C11orf1.2	2.62E-06	0.22441	0.068	0.148	0.039209	CSCL	C11orf1
KCNQ1.1	2.68E-06	-0.16252	0.002	0.041	0.040039	CSCL	KCNQ1
NRF1	2.72E-06	-0.10315	0	0.037	0.040573	CSCL	NRF1
SLC27A3.1	2.74E-06	0.134571	0.054	0.126	0.040926	CSCL	SLC27A3
DEPDC1	2.79E-06	-0.1024	0	0.037	0.041754	CSCL	DEPDC1
DLGAP5.1	2.79E-06	-0.11676	0	0.037	0.041754	CSCL	DLGAP5
CST7.1	2.79E-06	-0.21171	0	0.037	0.041754	CSCL	CST7
MTRNR2L8.2	2.81E-06	0.485706	0.243	0.188	0.042043	CSCL	MTRNR2L8
AP1G2.1	2.82E-06	-0.12331	0.009	0.053	0.042105	CSCL	AP1G2
TMEM69.1	2.83E-06	0.122675	0.086	0.173	0.042361	CSCL	TMEM69
ASNS.2	2.85E-06	0.135426	0.091	0.181	0.042518	CSCL	ASNS
ZNF544.1	2.88E-06	0.143333	0.054	0.126	0.043097	CSCL	ZNF544
MAP1LC3B2	2.91E-06	-0.12353	0.03	0.087	0.043447	CSCL	MAP1LC3B2
DOCK11.2	2.91E-06	-0.11537	0.01	0.056	0.043448	CSCL	DOCK11
DENND2D	3.06E-06	-0.12654	0.005	0.047	0.045743	CSCL	DENND2D
NUDT18	3.09E-06	-0.11226	0.002	0.04	0.046106	CSCL	NUDT18
PDZRN4.1	3.11E-06	-0.14413	0.002	0.04	0.046482	CSCL	PDZRN4
BATF.1	3.12E-06	-0.16058	0.002	0.04	0.046603	CSCL	BATF
CTB-61M7.3	3.18E-06	-0.19429	0.002	0.04	0.047488	CSCL	CTB-61M7.2
HS3ST3B1	3.21E-06	-0.12122	0.003	0.043	0.047957	CSCL	HS3ST3B1
CDK4	3.24E-06	0.203483	0.279	0.494	0.048483	CSCL	CDK4
NDUFS6.1	3.26E-06	0.136882	0.351	0.642	0.048712	CSCL	NDUFS6
ANAPC11.2	3.27E-06	0.367077	0.55	0.736	0.048844	CSCL	ANAPC11
FLVCR2	3.32E-06	-0.14014	0	0.036	0.049593	CSCL	FLVCR2
CCND2.2	3.40E-06	0.243684	0.187	0.334	0.050827	CSCL	CCND2
POLR2F.2	3.53E-06	0.221244	0.311	0.554	0.052723	CSCL	POLR2F
ICAM2.1	3.62E-06	-0.17888	0	0.036	0.054047	CSCL	ICAM2
EIF1B.2	3.65E-06	0.170425	0.339	0.601	0.054538	CSCL	EIF1B
MANBAL.2	3.65E-06	0.294073	0.188	0.342	0.054546	CSCL	MANBAL
CITED1.1	3.67E-06	0.235224	0.073	0.155	0.0549	CSCL	CITED1
ZC3HC1	3.73E-06	0.200084	0.056	0.128	0.055708	CSCL	ZC3HC1
ITGB3BP	3.79E-06	0.239483	0.068	0.147	0.05668	CSCL	ITGB3BP
ACSL5.1	3.83E-06	-0.14913	0	0.036	0.057235	CSCL	ACSL5
ZNF462.2	3.86E-06	0.166496	0.091	0.181	0.057725	CSCL	ZNF462
TGM2.1	3.88E-06	-0.13918	0.002	0.039	0.057963	CSCL	TGM2



LMO4. 2	3. 88E-06	0. 161207	0. 283	0. 488	0. 057985	CSCL	LMO4
CD1D. 1	3. 92E-06	-0. 18441	0. 002	0. 039	0. 058642	CSCL	CD1D
DPH2. 1	3. 95E-06	0. 132428	0. 051	0. 119	0. 059078	CSCL	DPH2
HOXA3. 1	4. 02E-06	-0. 10818	0. 012	0. 058	0. 06003	CSCL	HOXA3
DENND1A	4. 05E-06	-0. 10966	0. 01	0. 055	0. 060586	CSCL	DENND1A
MYOF	4. 08E-06	-0. 13223	0. 005	0. 046	0. 060958	CSCL	MYOF
LRIG1. 1	4. 20E-06	0. 119201	0. 045	0. 111	0. 062728	CSCL	LRIG1
CLIC2	4. 26E-06	-0. 14143	0. 005	0. 046	0. 063689	CSCL	CLIC2
TMEM59L. 1	4. 28E-06	0. 193859	0. 145	0. 264	0. 063994	CSCL	TMEM59L
MAG. 1	4. 29E-06	-0. 36341	0. 002	0. 039	0. 064182	CSCL	MAG
F3. 2	4. 32E-06	0. 189864	0. 101	0. 196	0. 064505	CSCL	F3
FBL. 2	4. 38E-06	0. 26163	0. 218	0. 386	0. 0654	CSCL	FBL
RP11-386G	4. 38E-06	0. 100464	0. 07	0. 147	0. 065408	CSCL	RP11-386G11. 10
ZNF467. 1	4. 42E-06	-0. 13477	0	0. 036	0. 066052	CSCL	ZNF467
TRIM44. 2	4. 45E-06	0. 309255	0. 161	0. 293	0. 066505	CSCL	TRIM44
ADAMDEC1.	4. 45E-06	-0. 18176	0. 002	0. 039	0. 066547	CSCL	ADAMDEC1
ERV3-1. 1	4. 48E-06	0. 172927	0. 147	0. 266	0. 066928	CSCL	ERV3-1
ITM2C. 2	4. 49E-06	0. 130842	0. 248	0. 426	0. 06705	CSCL	ITM2C
TRIB2. 2	4. 50E-06	0. 323597	0. 145	0. 269	0. 067188	CSCL	TRIB2
PIN4. 2	4. 50E-06	0. 2735	0. 241	0. 427	0. 067202	CSCL	PIN4
NET1. 1	4. 53E-06	-0. 12953	0. 003	0. 042	0. 067717	CSCL	NET1
IMPDH2. 2	4. 60E-06	0. 319081	0. 239	0. 426	0. 068789	CSCL	IMPDH2
DENND1C. 1	4. 68E-06	-0. 16683	0	0. 035	0. 069947	CSCL	DENND1C
TMEM86A. 2	4. 73E-06	-0. 14633	0. 007	0. 048	0. 070683	CSCL	TMEM86A
CDCP1. 1	4. 82E-06	-0. 14926	0	0. 035	0. 07198	CSCL	CDCP1
CHID1. 1	4. 89E-06	0. 277748	0. 251	0. 446	0. 07314	CSCL	CHID1
TSTD1. 1	4. 92E-06	0. 251945	0. 105	0. 202	0. 073556	CSCL	TSTD1
DPEP2. 1	4. 96E-06	-0. 17879	0	0. 035	0. 074071	CSCL	DPEP2
EIF5B. 1	5. 01E-06	0. 233504	0. 3	0. 533	0. 074832	CSCL	EIF5B
ABHD16A	5. 04E-06	-0. 12417	0. 002	0. 039	0. 07536	CSCL	ABHD16A
BNIP1. 1	5. 09E-06	0. 131717	0. 054	0. 123	0. 076111	CSCL	BNIP1
C19orf53.	5. 16E-06	0. 412485	0. 534	0. 691	0. 077096	CSCL	C19orf53
PAFAH1B3.	5. 22E-06	0. 307342	0. 243	0. 433	0. 078036	CSCL	PAFAH1B3
NYAP1	5. 27E-06	-0. 11293	0. 002	0. 038	0. 078797	CSCL	NYAP1
ARHGAP12.	5. 52E-06	0. 310528	0. 099	0. 194	0. 082499	CSCL	ARHGAP12
GPI. 1	5. 53E-06	0. 263481	0. 206	0. 364	0. 082701	CSCL	GPI
ATP8A1. 1	5. 54E-06	-0. 11681	0. 005	0. 045	0. 082759	CSCL	ATP8A1
RAB3IL1. 1	5. 56E-06	-0. 14221	0	0. 035	0. 083062	CSCL	RAB3IL1
ARX. 1	5. 59E-06	-0. 121	0. 003	0. 042	0. 08357	CSCL	ARX
MBIP. 1	5. 65E-06	0. 15643	0. 094	0. 184	0. 08449	CSCL	MBIP
ATP1A2	5. 70E-06	0. 650921	0. 101	0. 06	0. 085136	CSCL	ATP1A2
P2RY6. 1	5. 72E-06	-0. 14184	0	0. 035	0. 085474	CSCL	P2RY6
NOL3. 2	5. 72E-06	0. 130218	0. 086	0. 17	0. 085502	CSCL	NOL3
KIF23. 1	5. 74E-06	-0. 10348	0. 003	0. 042	0. 085811	CSCL	KIF23
RBKS	5. 77E-06	-0. 12425	0. 003	0. 041	0. 086275	CSCL	RBKS
HRH2	5. 87E-06	-0. 14443	0. 003	0. 041	0. 08777	CSCL	HRH2
STAT5A. 2	5. 90E-06	-0. 11374	0. 01	0. 054	0. 088096	CSCL	STAT5A
MAL. 1	5. 94E-06	-0. 24827	0. 003	0. 041	0. 088703	CSCL	MAL
CERS1	6. 07E-06	0. 181512	0. 059	0. 131	0. 09075	CSCL	CERS1
TBC1D2B. 2	6. 16E-06	-0. 10478	0. 01	0. 054	0. 092026	CSCL	TBC1D2B
KCNN4	6. 23E-06	-0. 12666	0	0. 034	0. 09314	CSCL	KCNN4

FAM50B	6. 27E-06	-0. 13431	0. 005	0. 044	0. 093766	CSCL	FAM50B
ARHGFEF26.	6. 36E-06	0. 179544	0. 058	0. 128	0. 095017	CSCL	ARHGFEF26
RP11-796E	6. 38E-06	-0. 14296	0. 019	0. 068	0. 095349	CSCL	RP11-796E2. 4
ST18. 1	6. 39E-06	-0. 15148	0. 003	0. 041	0. 095477	CSCL	ST18
ECHDC3. 1	6. 41E-06	-0. 14539	0	0. 034	0. 095845	CSCL	ECHDC3
TMEM151A.	6. 56E-06	-0. 14606	0. 005	0. 044	0. 09803	CSCL	TMEM151A
CLEC9A. 1	6. 60E-06	-0. 21889	0	0. 034	0. 098628	CSCL	CLEC9A
ZNF814	6. 62E-06	0. 193271	0. 056	0. 126	0. 098886	CSCL	ZNF814
TLR5. 1	6. 68E-06	-0. 16902	0. 007	0. 047	0. 099816	CSCL	TLR5
GSTA4. 1	6. 71E-06	0. 252206	0. 166	0. 296	0. 100256	CSCL	GSTA4
LTB. 1	6. 79E-06	-0. 19935	0	0. 034	0. 101492	CSCL	LTB
FCH01. 1	6. 84E-06	-0. 11276	0. 003	0. 041	0. 102154	CSCL	FCH01
FKBP10. 2	6. 89E-06	0. 240044	0. 115	0. 217	0. 102902	CSCL	FKBP10
METTL1. 1	6. 97E-06	0. 10843	0. 073	0. 151	0. 104103	CSCL	METTL1
PCED1B. 1	7. 00E-06	-0. 1303	0. 002	0. 038	0. 104563	CSCL	PCED1B
GPR37L1. 1	7. 01E-06	0. 578454	0. 127	0. 082	0. 104799	CSCL	GPR37L1
F11R. 1	7. 07E-06	-0. 10645	0. 014	0. 059	0. 105709	CSCL	F11R
RAPGEF5. 1	7. 11E-06	-0. 18304	0. 005	0. 044	0. 106238	CSCL	RAPGEF5
HENMT1. 1	7. 19E-06	-0. 15762	0	0. 034	0. 107471	CSCL	HENMT1
SCARA3. 1	7. 21E-06	0. 17615	0. 066	0. 141	0. 107784	CSCL	SCARA3
FAM53B. 2	7. 24E-06	-0. 12009	0. 01	0. 053	0. 108264	CSCL	FAM53B
ARL11. 1	7. 37E-06	-0. 14811	0. 003	0. 041	0. 110141	CSCL	ARL11
NELFA. 1	7. 41E-06	0. 139279	0. 068	0. 143	0. 110775	CSCL	NELFA
ZNF124. 2	7. 46E-06	-0. 10618	0. 016	0. 062	0. 111489	CSCL	ZNF124
GNG10	7. 53E-06	-0. 10072	0. 024	0. 076	0. 112471	CSCL	GNG10
ADORA1	7. 56E-06	0. 162389	0. 056	0. 125	0. 113027	CSCL	ADORA1
C1R. 2	7. 66E-06	0. 567867	0. 257	0. 213	0. 114507	CSCL	C1R
PSME1. 1	7. 72E-06	0. 219079	0. 333	0. 596	0. 115369	CSCL	PSME1
N6AMT2	7. 85E-06	0. 262669	0. 063	0. 136	0. 117263	CSCL	N6AMT2
C2orf80. 1	7. 86E-06	0. 118291	0. 054	0. 122	0. 117509	CSCL	C2orf80
IFT88	8. 01E-06	0. 111557	0. 047	0. 111	0. 119627	CSCL	IFT88
MGST1. 2	8. 05E-06	0. 486228	0. 195	0. 142	0. 120283	CSCL	MGST1
ZBTB7B	8. 06E-06	-0. 10151	0. 005	0. 044	0. 120462	CSCL	ZBTB7B
ARNT2. 2	8. 16E-06	0. 123487	0. 049	0. 114	0. 121951	CSCL	ARNT2
FAM83D	8. 19E-06	-0. 1036	0. 002	0. 037	0. 122418	CSCL	FAM83D
C16orf86	8. 27E-06	-0. 11339	0. 003	0. 04	0. 123515	CSCL	C16orf86
IL15RA	8. 54E-06	-0. 10148	0	0. 033	0. 1276	CSCL	IL15RA
IL2RA. 1	8. 54E-06	-0. 24155	0	0. 033	0. 1276	CSCL	IL2RA
COPS8. 2	8. 56E-06	0. 250458	0. 272	0. 48	0. 127911	CSCL	COPS8
PIPOX. 1	8. 64E-06	0. 261545	0. 063	0. 136	0. 129168	CSCL	PIPOX
BMP7. 2	8. 67E-06	0. 219286	0. 086	0. 17	0. 129531	CSCL	BMP7
LRRC8A. 1	8. 73E-06	0. 2079	0. 087	0. 172	0. 130481	CSCL	LRRC8A
ZNF577. 1	8. 82E-06	0. 10131	0. 037	0. 095	0. 131817	CSCL	ZNF577
MFSD7. 1	9. 04E-06	-0. 12278	0	0. 033	0. 135113	CSCL	MFSD7
ANPEP. 1	9. 04E-06	-0. 14711	0	0. 033	0. 135113	CSCL	ANPEP
CREBZF. 1	9. 14E-06	0. 12753	0. 063	0. 135	0. 136598	CSCL	CREBZF
ATOX1. 2	9. 22E-06	0. 186664	0. 344	0. 618	0. 137843	CSCL	ATOX1
PAICS. 1	9. 27E-06	0. 319237	0. 176	0. 315	0. 138548	CSCL	PAICS
ZNF562. 1	9. 40E-06	0. 138765	0. 07	0. 145	0. 140543	CSCL	ZNF562
CCL5. 1	9. 43E-06	-0. 25902	0. 014	0. 058	0. 140944	CSCL	CCL5
OTOA. 1	9. 57E-06	-0. 14096	0	0. 033	0. 143068	CSCL	OTOA

TSPAN31.1	9.60E-06	0.174026	0.173	0.301	0.143392	CSCL	TSPAN31
TM4SF1.2	9.67E-06	0.110073	0.051	0.116	0.144468	CSCL	TM4SF1
ZBTB20.1	9.73E-06	0.203452	0.225	0.394	0.145333	CSCL	ZBTB20
RP1-39G22	9.87E-06	0.187277	0.063	0.134	0.147428	CSCL	RP1-39G22.7
CSGALNACT	9.94E-06	-0.12124	0.026	0.077	0.148572	CSCL	CSGALNACT1
CNTN2.1	1.01E-05	-0.2056	0.005	0.043	0.151192	CSCL	CNTN2
ISG15.2	1.02E-05	0.362795	0.208	0.364	0.151728	CSCL	ISG15
TMEM53	1.04E-05	0.134275	0.045	0.108	0.155933	CSCL	TMEM53
TLR4.1	1.08E-05	-0.12924	0.005	0.043	0.161973	CSCL	TLR4
CNBP.2	1.09E-05	0.333856	0.553	0.758	0.162323	CSCL	CNBP
HIBCH.1	1.10E-05	0.238148	0.138	0.249	0.165106	CSCL	HIBCH
SEC14L2.1	1.11E-05	0.220039	0.052	0.118	0.165359	CSCL	SEC14L2
AC004158.	1.13E-05	0.121706	0.058	0.126	0.168197	CSCL	AC004158.3
VEGFA.2	1.16E-05	0.205818	0.12	0.221	0.173432	CSCL	VEGFA
PSD4	1.17E-05	-0.11703	0	0.033	0.174774	CSCL	PSD4
TAL1.1	1.18E-05	-0.17068	0.002	0.036	0.17586	CSCL	TAL1
CBS.1	1.18E-05	0.229971	0.08	0.161	0.176525	CSCL	CBS
HLX	1.20E-05	-0.11749	0.005	0.042	0.178969	CSCL	HLX
SYT5	1.20E-05	-0.11217	0.007	0.045	0.178978	CSCL	SYT5
TMEM106A.	1.24E-05	-0.11296	0.019	0.066	0.185483	CSCL	TMEM106A
SMIM3.2	1.25E-05	0.292177	0.068	0.034	0.186979	CSCL	SMIM3
CD01.2	1.26E-05	0.257769	0.133	0.24	0.188594	CSCL	CD01
LACC1.1	1.28E-05	-0.13254	0.002	0.036	0.191038	CSCL	LACC1
ZNF428.2	1.29E-05	0.194959	0.318	0.556	0.192353	CSCL	ZNF428
SP9.1	1.29E-05	-0.11486	0.005	0.042	0.192782	CSCL	SP9
RP11-100C	1.31E-05	-0.12599	0.005	0.042	0.195708	CSCL	RP11-1000B6.3
SMAD7.1	1.35E-05	-0.11742	0.002	0.036	0.201397	CSCL	SMAD7
RP11-403I	1.35E-05	-0.17603	0.002	0.036	0.201471	CSCL	RP11-403I13.5
RP11-742E	1.35E-05	-0.15462	0	0.032	0.20163	CSCL	RP11-742B18.1
CAPN3.1	1.36E-05	-0.23244	0.007	0.045	0.203188	CSCL	CAPN3
NDUFS7	1.38E-05	0.154978	0.358	0.631	0.205525	CSCL	NDUFS7
MLC1.1	1.40E-05	0.214168	0.075	0.152	0.209125	CSCL	MLC1
IL15	1.40E-05	-0.14382	0.003	0.039	0.209724	CSCL	IL15
RP11-89N1	1.44E-05	0.121099	0.007	0.001	0.214913	CSCL	RP11-89N17.4
SLPI.2	1.47E-05	0.508555	0.202	0.147	0.219611	CSCL	SLPI
CDIPT-AS1	1.48E-05	0.25309	0.024	0.008	0.22116	CSCL	CDIPT-AS1
MKL2.2	1.50E-05	0.107113	0.028	0.079	0.22404	CSCL	MKL2
DISC1.1	1.50E-05	-0.10474	0.009	0.048	0.224869	CSCL	DISC1
TBC1D10C.	1.51E-05	-0.15573	0	0.032	0.22605	CSCL	TBC1D10C
RTKN.2	1.52E-05	0.222791	0.091	0.175	0.227244	CSCL	RTKN
NEDD8.1	1.54E-05	0.342217	0.557	0.755	0.230001	CSCL	NEDD8
LTB4R.1	1.55E-05	-0.11649	0.002	0.035	0.231822	CSCL	LTB4R
SPINT1.1	1.58E-05	-0.12379	0.002	0.035	0.236559	CSCL	SPINT1
NEK2.1	1.59E-05	-0.10528	0.002	0.035	0.237343	CSCL	NEK2
CDC42EP2.	1.60E-05	-0.10337	0.003	0.038	0.239475	CSCL	CDC42EP2
KALRN	1.60E-05	0.140226	0.04	0.098	0.239637	CSCL	KALRN
CAMLG.2	1.61E-05	0.282455	0.288	0.504	0.239989	CSCL	CAMLG
SELK.2	1.69E-05	0.109368	0.4	0.716	0.252024	CSCL	SELK
MYO7A.1	1.69E-05	-0.13408	0.002	0.035	0.253072	CSCL	MYO7A
HMBOX1.1	1.71E-05	0.217656	0.106	0.197	0.255988	CSCL	HMBOX1
ZNF536.1	1.72E-05	-0.12248	0.007	0.044	0.256669	CSCL	ZNF536

AC069363.	1.	73E-05	-0.18255	0.012	0.053	0.258859	CSCL	AC069363.1
VCAN.1	1.	75E-05	0.27919	0.141	0.251	0.261104	CSCL	VCAN
LAP3	1.	76E-05	0.214745	0.288	0.502	0.262838	CSCL	LAP3
PLVAP.1	1.	80E-05	-0.15491	0	0.031	0.268327	CSCL	PLVAP
GPX8.1	1.	83E-05	0.113675	0.019	0.065	0.272898	CSCL	GPX8
MLXIPL.1	1.	84E-05	-0.14159	0.005	0.041	0.274245	CSCL	MLXIPL
CHEK2.1	1.	84E-05	-0.12052	0.01	0.05	0.274456	CSCL	CHEK2
ERGIC3.1	1.	84E-05	0.159318	0.333	0.588	0.274782	CSCL	ERGIC3
SLC17A9.1	1.	85E-05	-0.12945	0	0.031	0.276104	CSCL	SLC17A9
PAAF1.1	1.	85E-05	0.270286	0.11	0.204	0.276254	CSCL	PAAF1
AC147651.	1.	86E-05	-0.1358	0.003	0.038	0.277213	CSCL	AC147651.4
MYL6B.1	1.	87E-05	0.246444	0.258	0.452	0.278933	CSCL	MYL6B
GRIA3.1	1.	88E-05	0.250372	0.089	0.172	0.281105	CSCL	GRIA3
TSPAN3.1	1.	89E-05	0.262761	0.265	0.47	0.282209	CSCL	TSPAN3
CEND1	1.	98E-05	0.175303	0.07	0.142	0.295409	CSCL	CEND1
GAS1.2	1.	99E-05	0.193916	0.073	0.148	0.296759	CSCL	GAS1
KIAA0907.	2.	04E-05	0.142532	0.108	0.198	0.30496	CSCL	KIAA0907
DSC2.1	2.	05E-05	-0.13187	0.002	0.034	0.30644	CSCL	DSC2
ALDH1A1.1	2.	07E-05	-0.15236	0	0.031	0.309529	CSCL	ALDH1A1
EIF3M.2	2.	08E-05	0.241535	0.309	0.537	0.310512	CSCL	EIF3M
C14orf1.1	2.	10E-05	0.321492	0.169	0.299	0.3141	CSCL	C14orf1
ST8SIA1	2.	16E-05	0.100105	0.038	0.094	0.322355	CSCL	ST8SIA1
WLS	2.	16E-05	0.263936	0.12	0.219	0.323391	CSCL	WLS
CCDC69.1	2.	20E-05	-0.1051	0.003	0.037	0.32816	CSCL	CCDC69
HSD17B7	2.	24E-05	0.124053	0.056	0.121	0.334259	CSCL	HSD17B7
CHST8.1	2.	25E-05	0.101211	0.023	0.07	0.335816	CSCL	CHST8
CACNG8	2.	29E-05	0.14802	0.026	0.075	0.341613	CSCL	CACNG8
RPRM.2	2.	29E-05	-0.10227	0.023	0.069	0.342004	CSCL	RPRM
PID1.1	2.	30E-05	0.101966	0.056	0.12	0.343003	CSCL	PID1
FMN1.1	2.	30E-05	-0.12573	0.002	0.034	0.343234	CSCL	FMN1
FAM162A.2	2.	31E-05	0.277221	0.237	0.409	0.344502	CSCL	FAM162A
SIGLEC1.1	2.	32E-05	-0.1423	0	0.03	0.346993	CSCL	SIGLEC1
AP005530.	2.	32E-05	-0.14937	0	0.03	0.346993	CSCL	AP005530.2
NXN.1	2.	33E-05	-0.10594	0.003	0.037	0.347465	CSCL	NXN
MAML3.1	2.	37E-05	-0.1113	0.003	0.037	0.353798	CSCL	MAML3
PMS2.1	2.	38E-05	0.176188	0.063	0.131	0.355174	CSCL	PMS2
FAIM2.1	2.	42E-05	0.205884	0.106	0.195	0.361901	CSCL	FAIM2
CHI3L1.2	2.	53E-05	0.477446	0.475	0.527	0.37856	CSCL	CHI3L1
SOCS1.1	2.	55E-05	-0.12273	0.014	0.055	0.381104	CSCL	SOCS1
NAA60.1	2.	58E-05	0.224092	0.031	0.012	0.38585	CSCL	NAA60
PSME2.1	2.	59E-05	0.241028	0.325	0.569	0.38676	CSCL	PSME2
ZNF576.1	2.	60E-05	0.230599	0.07	0.141	0.387932	CSCL	ZNF576
FABP6.1	2.	61E-05	-0.11974	0.005	0.04	0.389552	CSCL	FABP6
ZEB1.2	2.	68E-05	0.295962	0.106	0.197	0.399807	CSCL	ZEB1
GORAB.2	2.	72E-05	0.101958	0.028	0.077	0.406711	CSCL	GORAB
AP4M1	2.	75E-05	0.204309	0.108	0.198	0.410719	CSCL	AP4M1
GNAS.2	2.	77E-05	0.472157	0.497	0.655	0.413451	CSCL	GNAS
PNN.2	2.	81E-05	0.285424	0.237	0.41	0.42034	CSCL	PNN
SOD2.1	2.	98E-05	0.191263	0.33	0.547	0.445618	CSCL	SOD2
RP11-489C	3.	00E-05	-0.15802	0	0.03	0.448685	CSCL	RP11-489018.1
LSS.1	3.	05E-05	0.127339	0.044	0.101	0.455721	CSCL	LSS

UBXN11.1	3.25E-05	0.11225	0.07	0.139	0.485489	CSCL	UBXN11
CARD11.1	3.27E-05	-0.11824	0	0.029	0.488812	CSCL	CARD11
ATXN3.1	3.29E-05	0.187391	0.084	0.16	0.491025	CSCL	ATXN3
ELOVL2.2	3.33E-05	0.14386	0.044	0.1	0.497705	CSCL	ELOVL2
IL12RB1.1	3.37E-05	-0.14582	0.002	0.033	0.503968	CSCL	IL12RB1
WSB1.1	3.41E-05	0.103849	0.377	0.666	0.509213	CSCL	WSB1
CACNA2D3.3	3.44E-05	-0.11679	0.002	0.033	0.513769	CSCL	CACNA2D3
PBX1.1	3.46E-05	0.212517	0.122	0.219	0.517727	CSCL	PBX1
NECAB1.1	3.47E-05	-0.14059	0.005	0.039	0.518953	CSCL	NECAB1
ZNF680	3.48E-05	0.150655	0.096	0.178	0.520425	CSCL	ZNF680
KLK6.1	3.59E-05	-0.25614	0.002	0.032	0.535843	CSCL	KLK6
CNPY2.1	3.60E-05	0.159474	0.328	0.581	0.537458	CSCL	CNPY2
LILRB3.1	3.60E-05	-0.14837	0.007	0.042	0.537914	CSCL	LILRB3
HSPD1.2	3.60E-05	0.185408	0.36	0.628	0.538717	CSCL	HSPD1
DNAJC24.1	3.61E-05	0.115216	0.049	0.108	0.539356	CSCL	DNAJC24
RAMP2.1	3.62E-05	0.154206	0.07	0.139	0.540848	CSCL	RAMP2
SLC38A6.1	3.65E-05	0.107401	0.045	0.102	0.545193	CSCL	SLC38A6
PMP2.2	3.69E-05	0.509492	0.344	0.35	0.551036	CSCL	PMP2
AQP4.1	3.73E-05	0.683468	0.202	0.164	0.557039	CSCL	AQP4
NFAM1.1	3.73E-05	-0.13884	0.003	0.035	0.557428	CSCL	NFAM1
SP140.1	3.76E-05	-0.11897	0.002	0.032	0.56141	CSCL	SP140
GLDC	3.81E-05	0.114768	0.024	0.071	0.569927	CSCL	GLDC
ST5.2	3.82E-05	0.264971	0.08	0.155	0.571404	CSCL	ST5
PEA15.1	3.85E-05	0.329902	0.26	0.452	0.57472	CSCL	PEA15
RP11-347F	3.96E-05	-0.16647	0.023	0.066	0.591216	CSCL	RP11-347P5.1
PRMT5.2	4.06E-05	0.21321	0.08	0.154	0.606078	CSCL	PRMT5
MAPK13.1	4.08E-05	-0.11138	0.002	0.032	0.60954	CSCL	MAPK13
GPR132.1	4.10E-05	-0.11033	0.002	0.032	0.612338	CSCL	GPR132
RP11-514C	4.23E-05	-0.11873	0	0.028	0.632013	CSCL	RP11-514012.4
FGF1	4.29E-05	0.145324	0.042	0.097	0.64181	CSCL	FGF1
AC007405.4	4.53E-05	0.119455	0.024	0.07	0.677386	CSCL	AC007405.6
C6orf48.1	4.55E-05	0.1441	0.375	0.661	0.680182	CSCL	C6orf48
RP11-557H	4.61E-05	-0.14768	0	0.028	0.68852	CSCL	RP11-557H15.4
PGGT1B.1	4.70E-05	0.121976	0.045	0.102	0.701831	CSCL	PGGT1B
ZNF521	4.74E-05	0.150858	0.035	0.086	0.708449	CSCL	ZNF521
PSAT1.1	4.81E-05	0.261929	0.117	0.208	0.719476	CSCL	PSAT1
DNAJC11.1	4.84E-05	0.15581	0.047	0.104	0.723756	CSCL	DNAJC11
PVR.1	4.85E-05	0.133155	0.024	0.07	0.724949	CSCL	PVR
RNASE3.1	4.88E-05	-0.17966	0.003	0.035	0.729556	CSCL	RNASE3
AATK.1	4.89E-05	-0.17635	0.003	0.035	0.730448	CSCL	AATK
VAMP5.1	5.01E-05	0.233706	0.241	0.405	0.748176	CSCL	VAMP5
HRH1.1	5.01E-05	0.173608	0.044	0.099	0.748509	CSCL	HRH1
SPA17.2	5.07E-05	0.103873	0.033	0.083	0.757209	CSCL	SPA17
PTPN22.1	5.16E-05	-0.12124	0	0.028	0.771793	CSCL	PTPN22
SCARF1.1	5.16E-05	-0.12413	0	0.028	0.771793	CSCL	SCARF1
KCNE3.1	5.31E-05	-0.11632	0	0.028	0.794139	CSCL	KCNE3
C8orf4.1	5.42E-05	0.632031	0.262	0.226	0.809992	CSCL	C8orf4
CHRN1.1	5.44E-05	0.197915	0.08	0.152	0.813056	CSCL	CHRN1
CATSPER1.5	5.63E-05	-0.14308	0	0.028	0.84079	CSCL	CATSPER1
MOBP.1	5.70E-05	-0.27064	0.005	0.037	0.851386	CSCL	MOBP
WDFY4.1	5.79E-05	-0.12467	0	0.027	0.865133	CSCL	WDFY4

FFAR4. 1	5. 85E-05	-0. 13223	0. 002	0. 031	0. 874744	CSCL	FFAR4
HAPLN2. 1	5. 93E-05	-0. 15096	0. 003	0. 034	0. 886024	CSCL	HAPLN2
ACO18647. 6.	07E-05	-0. 13153	0. 009	0. 043	0. 907116	CSCL	ACO18647. 3
MAP4K1. 1	6. 09E-05	-0. 12047	0. 002	0. 031	0. 910749	CSCL	MAP4K1
LAMB2	6. 31E-05	0. 152286	0. 044	0. 098	0. 943118	CSCL	LAMB2
PLA2G4A	6. 38E-05	-0. 1101	0. 003	0. 034	0. 953096	CSCL	PLA2G4A
PEAK1. 2	6. 44E-05	0. 129516	0. 026	0. 071	0. 962183	CSCL	PEAK1
LINC00665	6. 49E-05	0. 352898	0. 105	0. 19	0. 969743	CSCL	LINC00665
NAP1L1	6. 84E-05	0. 134059	0. 387	0. 689		1 CSCL	NAP1L1
NXPH1. 2	6. 91E-05	0. 113124	0. 072	0. 139		1 CSCL	NXPH1
CCR5. 1	7. 07E-05	-0. 11253	0	0. 027		1 CSCL	CCR5
SKIV2L2. 1	7. 12E-05	0. 189423	0. 086	0. 16		1 CSCL	SKIV2L2
SLC12A4. 1	7. 16E-05	0. 106457	0. 024	0. 068		1 CSCL	SLC12A4
EPAS1. 1	7. 19E-05	0. 131154	0. 051	0. 107		1 CSCL	EPAS1
TSHZ1. 2	7. 25E-05	0. 100889	0. 03	0. 076		1 CSCL	TSHZ1
ERMN. 1	7. 32E-05	-0. 2748	0. 007	0. 039		1 CSCL	ERMN
RWDD1. 2	7. 33E-05	0. 291644	0. 309	0. 538		1 CSCL	RWDD1
KANK1	7. 36E-05	0. 10209	0. 042	0. 095		1 CSCL	KANK1
OCIAD2. 1	7. 43E-05	0. 586128	0. 365	0. 388		1 CSCL	OCIAD2
SNRPE. 1	7. 50E-05	0. 264207	0. 339	0. 592		1 CSCL	SNRPE
PLEKHH1. 1	7. 55E-05	-0. 11353	0. 003	0. 033		1 CSCL	PLEKHH1
DENND2A	7. 55E-05	0. 142932	0. 044	0. 097		1 CSCL	DENND2A
TOR4A. 1	7. 70E-05	-0. 10101	0	0. 027		1 CSCL	TOR4A
ITGB7. 1	7. 70E-05	-0. 11119	0	0. 027		1 CSCL	ITGB7
MEIS1. 2	7. 71E-05	0. 122399	0. 038	0. 089		1 CSCL	MEIS1
EDIL3. 1	7. 74E-05	-0. 16508	0. 003	0. 033		1 CSCL	EDIL3
TMEM25. 1	7. 79E-05	0. 172622	0. 063	0. 125		1 CSCL	TMEM25
NOS1AP. 1	7. 79E-05	0. 224079	0. 033	0. 081		1 CSCL	NOS1AP
AQP9	7. 86E-05	-0. 11061	0. 002	0. 03		1 CSCL	AQP9
VNN2. 1	7. 92E-05	-0. 10998	0	0. 027		1 CSCL	VNN2
METRN. 2	8. 14E-05	0. 245117	0. 178	0. 3		1 CSCL	METRN
CPE. 1	8. 16E-05	0. 205169	0. 239	0. 397		1 CSCL	CPE
RGMA. 1	8. 28E-05	0. 324943	0. 115	0. 205		1 CSCL	RGMA
FUS. 1	8. 48E-05	0. 153179	0. 373	0. 657		1 CSCL	FUS
FKBP7	8. 52E-05	0. 103313	0. 042	0. 094		1 CSCL	FKBP7
HK3	8. 63E-05	-0. 10141	0	0. 026		1 CSCL	HK3
DLC1	8. 77E-05	0. 159134	0. 038	0. 089		1 CSCL	DLC1
CARNS1. 1	8. 79E-05	-0. 18954	0. 002	0. 03		1 CSCL	CARNS1
CYSLTR1. 1	8. 88E-05	-0. 11854	0	0. 026		1 CSCL	CYSLTR1
TMEM177. 1	9. 06E-05	0. 100253	0. 033	0. 081		1 CSCL	TMEM177
LDHA. 2	9. 13E-05	0. 282277	0. 579	0. 776		1 CSCL	LDHA
PPARG. 1	9. 40E-05	-0. 11336	0	0. 026		1 CSCL	PPARG
FAM175B. 1	9. 44E-05	0. 115186	0. 035	0. 083		1 CSCL	FAM175B
ARMCX2. 1	9. 46E-05	0. 184471	0. 08	0. 15		1 CSCL	ARMCX2
LAT	9. 59E-05	-0. 11648	0. 005	0. 036		1 CSCL	LAT
NFIB. 2	9. 82E-05	0. 144421	0. 239	0. 385		1 CSCL	NFIB
SUN1. 2	9. 85E-05	0. 243656	0. 122	0. 212		1 CSCL	SUN1
SERPINE2.	9. 86E-05	0. 232449	0. 18	0. 299		1 CSCL	SERPINE2
C16orf45.	9. 89E-05	0. 382567	0. 19	0. 325		1 CSCL	C16orf45
WDR83OS. 2	9. 89E-05	0. 381234	0. 545	0. 754		1 CSCL	WDR83OS
TNFRSF11A	9. 96E-05	-0. 105	0	0. 026		1 CSCL	TNFRSF11A

TMEM168.1	1.00E-04	0.149227	0.056	0.114	1	CSCL	TMEM168
AL592528.	0.0001	0.147273	0.012	0.003	1	CSCL	AL592528.1
TIPIN.1	0.000103	0.226656	0.077	0.144	1	CSCL	TIPIN
CSF2RB.1	0.000105	-0.10276	0	0.026	1	CSCL	CSF2RB
TLR10.1	0.000105	-0.1187	0	0.026	1	CSCL	TLR10
CETN2.2	0.000107	0.335053	0.195	0.329	1	CSCL	CETN2
IFITM1	0.000107	-0.16025	0.007	0.038	1	CSCL	IFITM1
GEMIN8.1	0.000109	0.111613	0.031	0.077	1	CSCL	GEMIN8
NAMPT.2	0.000109	0.149838	0.276	0.446	1	CSCL	NAMPT
CRYZ.1	0.000111	0.186183	0.065	0.126	1	CSCL	CRYZ
DAPP1.1	0.000111	-0.10565	0.002	0.029	1	CSCL	DAPP1
METTL7A	0.000111	0.196947	0.133	0.225	1	CSCL	METTL7A
FAM177B.1	0.000112	-0.13221	0.003	0.032	1	CSCL	FAM177B
OLFM1.1	0.000114	0.167712	0.084	0.154	1	CSCL	OLFM1
RP11-620J	0.000115	0.253806	0.164	0.275	1	CSCL	RP11-620J15.3
CA12.2	0.000116	0.263083	0.073	0.139	1	CSCL	CA12
SOX8.2	0.000117	0.163863	0.103	0.181	1	CSCL	SOX8
MAGED2.2	0.000117	0.210999	0.305	0.519	1	CSCL	MAGED2
MTRNR2L12	0.000119	0.405487	0.237	0.194	1	CSCL	MTRNR2L12
RNF125.1	0.000122	-0.12152	0	0.025	1	CSCL	RNF125
FBX017.2	0.000122	0.297404	0.079	0.147	1	CSCL	FBX017
TRIT1	0.000123	0.11442	0.04	0.09	1	CSCL	TRIT1
CEACAM4.1	0.000125	-0.10843	0	0.025	1	CSCL	CEACAM4
IFNLR1.1	0.000125	-0.12592	0	0.025	1	CSCL	IFNLR1
CTNND2.1	0.000128	0.23141	0.089	0.161	1	CSCL	CTNND2
PLEK2.1	0.000129	-0.10464	0	0.025	1	CSCL	PLEK2
CXCL12	0.000129	-0.1084	0.01	0.044	1	CSCL	CXCL12
DHODH.1	0.000131	0.111162	0.037	0.084	1	CSCL	DHODH
CTA-384D8	0.000132	-0.10827	0	0.025	1	CSCL	CTA-384D8.34
SBDS.2	0.000135	0.135269	0.366	0.622	1	CSCL	SBDS
ITM2A.1	0.000137	-0.12659	0.019	0.057	1	CSCL	ITM2A
CCDC181.1	0.000138	0.134312	0.035	0.082	1	CSCL	CCDC181
RAB11FIP1	0.000141	-0.11058	0.002	0.028	1	CSCL	RAB11FIP1
NR2F2-AS1	0.000143	0.185984	0.028	0.011	1	CSCL	NR2F2-AS1
ARHGAP32	0.000144	0.1218	0.038	0.087	1	CSCL	ARHGAP32
NUP107.2	0.000145	0.232181	0.134	0.228	1	CSCL	NUP107
HELZ2.1	0.000147	0.155671	0.049	0.102	1	CSCL	HELZ2
EEF1D.2	0.000151	0.228193	0.611	0.857	1	CSCL	EEF1D
MTOR.1	0.000151	0.107389	0.028	0.071	1	CSCL	MTOR
CUTA.2	0.000151	0.117148	0.398	0.696	1	CSCL	CUTA
TTYH1.2	0.000152	0.746315	0.277	0.267	1	CSCL	TTYH1
CBLN4.2	0.000152	0.123077	0.035	0.081	1	CSCL	CBLN4
TENM1	0.000153	0.113154	0.03	0.074	1	CSCL	TENM1
2-Sep	0.000154	0.203408	0.344	0.593	1	CSCL	2-Sep
FAM229B.1	0.000155	0.389223	0.176	0.298	1	CSCL	FAM229B
PTCRA.1	0.000157	-0.11633	0	0.024	1	CSCL	PTCRA
SPNS3.1	0.000157	-0.12223	0	0.024	1	CSCL	SPNS3
RP11-597D	0.000157	-0.1385	0	0.024	1	CSCL	RP11-597D13.8
SIDT1.1	0.000157	-0.13947	0	0.024	1	CSCL	SIDT1
IRF1.2	0.000159	0.183056	0.124	0.21	1	CSCL	IRF1
TMEM132B.	0.000165	0.118739	0.051	0.104	1	CSCL	TMEM132B

CDH6	0.000165	0.112933	0.028	0.071	1 CSCL	CDH6
RP11-495F	0.00017	0.121808	0.009	0.002	1 CSCL	RP11-495P10.1
NME6	0.000175	0.155867	0.056	0.111	1 CSCL	NME6
NDRG2	0.000178	0.603702	0.342	0.36	1 CSCL	NDRG2
FAM149A.1	0.000178	-0.10485	0.005	0.034	1 CSCL	FAM149A
ALOX15B.1	0.000179	-0.11879	0.002	0.027	1 CSCL	ALOX15B
HEY1.1	0.00018	0.317638	0.148	0.252	1 CSCL	HEY1
BPNT1.1	0.00018	0.16627	0.054	0.109	1 CSCL	BPNT1
DPF1.1	0.000183	0.165395	0.079	0.144	1 CSCL	DPF1
VDAC1.2	0.000183	0.157682	0.372	0.644	1 CSCL	VDAC1
CHRNE.1	0.000185	-0.12191	0.002	0.027	1 CSCL	CHRNE
GPR89A.1	0.000185	0.10247	0.07	0.131	1 CSCL	GPR89A
CNN3.2	0.000186	0.44221	0.417	0.471	1 CSCL	CNN3
PSMC4.1	0.000186	0.275482	0.297	0.504	1 CSCL	PSMC4
B3GALNT2.	0.000187	0.102836	0.044	0.093	1 CSCL	B3GALNT2
NLGN3.1	0.00019	0.212402	0.059	0.116	1 CSCL	NLGN3
ALDOC.2	0.000193	0.620421	0.188	0.154	1 CSCL	ALDOC
ALDH1L1-A	0.000196	0.178902	0.026	0.01	1 CSCL	ALDH1L1-AS2
DHRS9.1	0.000198	-0.16901	0	0.024	1 CSCL	DHRS9
LZTS1.1	0.000198	0.121792	0.023	0.062	1 CSCL	LZTS1
PPP1R14A.	0.000201	-0.1171	0.058	0.109	1 CSCL	PPP1R14A
VAMP2.1	0.000202	0.103892	0.375	0.635	1 CSCL	VAMP2
EIF4EBP3.	0.000204	0.111622	0.023	0.008	1 CSCL	EIF4EBP3
PNKD	0.000205	0.298196	0.279	0.466	1 CSCL	PNKD
ETV4.1	0.000206	0.202512	0.035	0.08	1 CSCL	ETV4
MIR7-3HG	0.00021	0.509528	0.059	0.032	1 CSCL	MIR7-3HG
IFI6.2	0.000212	0.346222	0.251	0.414	1 CSCL	IFI6
NMT2.1	0.000216	0.111771	0.049	0.1	1 CSCL	NMT2
AIM1	0.000216	-0.10703	0.007	0.036	1 CSCL	AIM1
SNCAIP.1	0.00022	0.127375	0.04	0.088	1 CSCL	SNCAIP
MS4A14.1	0.000221	-0.11292	0	0.023	1 CSCL	MS4A14
SDR39U1	0.000222	0.379242	0.168	0.28	1 CSCL	SDR39U1
DCAF13.1	0.000223	0.341719	0.194	0.324	1 CSCL	DCAF13
EID1.1	0.000226	0.323745	0.532	0.716	1 CSCL	EID1
HIP1	0.000232	0.236894	0.098	0.171	1 CSCL	HIP1
FGF14.1	0.000232	0.153967	0.04	0.088	1 CSCL	FGF14
BTN3A2.1	0.000237	0.210814	0.084	0.15	1 CSCL	BTN3A2
GFAP.1	0.000238	0.507029	0.346	0.35	1 CSCL	GFAP
ADM.2	0.000244	0.183763	0.112	0.189	1 CSCL	ADM
SLC24A2.1	0.000244	-0.11335	0.005	0.033	1 CSCL	SLC24A2
FBX032.2	0.000245	0.186516	0.089	0.157	1 CSCL	FBX032
IPCEF1.1	0.000248	-0.10698	0	0.023	1 CSCL	IPCEF1
ANXA2R.1	0.000252	0.224034	0.087	0.155	1 CSCL	ANXA2R
PSENE1.2	0.000253	0.259375	0.3	0.502	1 CSCL	PSENE1
CEP250	0.000257	0.122308	0.03	0.071	1 CSCL	CEP250
SYP.2	0.000258	0.130834	0.075	0.137	1 CSCL	SYP
ITGB2-AS1	0.000263	-0.11139	0.003	0.029	1 CSCL	ITGB2-AS1
FHL1.2	0.000263	0.285335	0.22	0.364	1 CSCL	FHL1
MOG.1	0.000264	-0.19255	0.005	0.032	1 CSCL	MOG
TTC8	0.000265	0.153453	0.042	0.089	1 CSCL	TTC8
WBSCR22.2	0.000267	0.252156	0.297	0.503	1 CSCL	WBSCR22



GABARAPL2	0.000268	0.30237	0.541	0.753	1	CSCL	GABARAPL2
MLF2.2	0.000269	0.160484	0.36	0.622	1	CSCL	MLF2
RP3-47704	0.00027	-0.10824	0.003	0.029	1	CSCL	RP3-47704.14
RP11-353N	0.00027	-0.10998	0	0.023	1	CSCL	RP11-353N4.5
FAM46A	0.000271	0.304835	0.117	0.2	1	CSCL	FAM46A
LINC00662	0.000272	0.283204	0.108	0.187	1	CSCL	LINC00662
KPTN.1	0.000274	0.145599	0.037	0.082	1	CSCL	KPTN
NDUFS2.1	0.000277	0.240878	0.326	0.562	1	CSCL	NDUFS2
TREML1.1	0.000278	-0.11426	0	0.023	1	CSCL	TREML1
CNDP1.1	0.000283	-0.161	0.007	0.035	1	CSCL	CNDP1
MYRF.1	0.000285	-0.15603	0.005	0.032	1	CSCL	MYRF
TRPM3.1	0.000289	0.176687	0.03	0.071	1	CSCL	TRPM3
C1QL1.1	0.00029	0.20103	0.061	0.117	1	CSCL	C1QL1
GJB1.1	0.000293	-0.1701	0.002	0.026	1	CSCL	GJB1
ZHX3	0.000294	0.208982	0.065	0.122	1	CSCL	ZHX3
LUC7L2	0.000295	0.159088	0.021	0.007	1	CSCL	LUC7L2
GS1-124K5	0.000295	0.167518	0.061	0.117	1	CSCL	GS1-124K5.4
AKAP6.1	0.000295	0.208267	0.052	0.104	1	CSCL	AKAP6
NCAM1.2	0.000296	0.23602	0.208	0.342	1	CSCL	NCAM1
SRCIN1.1	0.000296	-0.10317	0.005	0.032	1	CSCL	SRCIN1
OR4N2	0.000302	0.225645	0.028	0.011	1	CSCL	OR4N2
ZNF90.1	0.000306	0.419196	0.372	0.38	1	CSCL	ZNF90
RNF180.1	0.00031	0.286894	0.098	0.171	1	CSCL	RNF180
CADM2.1	0.000321	0.159215	0.113	0.192	1	CSCL	CADM2
BCL2L15	0.000323	0.138868	0.026	0.01	1	CSCL	BCL2L15
NDUFS8.2	0.000324	0.212305	0.358	0.621	1	CSCL	NDUFS8
ROM1.1	0.000327	0.178856	0.061	0.116	1	CSCL	ROM1
SPTSSA.2	0.000331	0.301136	0.264	0.436	1	CSCL	SPTSSA
DPY19L3	0.000334	0.141445	0.044	0.091	1	CSCL	DPY19L3
NKX6-2.1	0.000335	-0.15483	0.002	0.025	1	CSCL	NKX6-2
OBSL1.1	0.000335	0.172177	0.084	0.149	1	CSCL	OBSL1
ZIC1.1	0.000335	0.165376	0.061	0.117	1	CSCL	ZIC1
NRDE2.1	0.000342	0.156905	0.051	0.101	1	CSCL	NRDE2
GPR89B	0.000349	0.143112	0.017	0.006	1	CSCL	GPR89B
CRIM1.1	0.000349	0.10368	0.026	0.065	1	CSCL	CRIM1
TSEN2.1	0.000353	0.117242	0.044	0.091	1	CSCL	TSEN2
PRDX4.2	0.000358	0.220435	0.326	0.558	1	CSCL	PRDX4
LGI3.1	0.00036	-0.1304	0	0.022	1	CSCL	LGI3
FCER1A.1	0.000362	-0.12334	0.002	0.025	1	CSCL	FCER1A
TAC3	0.000364	-0.10717	0.002	0.025	1	CSCL	TAC3
TEKT1	0.000366	0.116786	0.012	0.003	1	CSCL	TEKT1
FA2H.1	0.000367	-0.13069	0.003	0.028	1	CSCL	FA2H
POLR2J3.1	0.000375	0.30163	0.209	0.345	1	CSCL	POLR2J3
DNAAF1.1	0.000377	-0.15229	0.003	0.028	1	CSCL	DNAAF1
BGN.1	0.000387	0.431624	0.096	0.063	1	CSCL	BGN
PKD1	0.000395	0.200669	0.065	0.121	1	CSCL	PKD1
OLIG1.2	0.0004	0.580498	0.209	0.178	1	CSCL	OLIG1
GRAMD3.2	0.000401	0.21574	0.08	0.143	1	CSCL	GRAMD3
IPP	0.000408	0.119101	0.024	0.062	1	CSCL	IPP
ACSM5	0.000417	-0.10564	0.007	0.034	1	CSCL	ACSM5
RPGRIP1L	0.000419	0.112266	0.023	0.059	1	CSCL	RPGRIP1L

RND2. 1	0.00042	0.292817	0.096	0.167	1 CSCL	RND2
AP000439.	0.000421	-0.11805	0.003	0.028	1 CSCL	AP000439. 1
SHROOM3	0.000422	0.10051	0.012	0.043	1 CSCL	SHROOM3
HSPE1. 2	0.000422	0.295149	0.538	0.739	1 CSCL	HSPE1
VPS28. 1	0.000426	0.196437	0.379	0.649	1 CSCL	VPS28
CEACAM21.	0.00044	-0.10395	0	0.021	1 CSCL	CEACAM21
SPRY4	0.000442	0.134942	0.03	0.069	1 CSCL	SPRY4
POLR2G. 2	0.000445	0.224093	0.344	0.579	1 CSCL	POLR2G
RP11-14N7	0.000455	0.351045	0.124	0.209	1 CSCL	RP11-14N7. 2
CTSW. 1	0.000462	-0.16814	0.005	0.031	1 CSCL	CTSW
MT1A. 2	0.000469	0.337768	0.052	0.028	1 CSCL	MT1A
PGM2L1. 1	0.000478	0.281114	0.159	0.26	1 CSCL	PGM2L1
ZNF429. 1	0.000506	0.232984	0.073	0.132	1 CSCL	ZNF429
PTPRCAP. 1	0.000511	-0.16132	0.003	0.027	1 CSCL	PTPRCAP
RETN. 1	0.000522	-0.11224	0	0.021	1 CSCL	RETN
RHBDF1	0.000522	0.143421	0.019	0.053	1 CSCL	RHBDF1
NRXN2. 2	0.000529	0.126393	0.065	0.119	1 CSCL	NRXN2
QTRT1. 2	0.000536	0.368824	0.206	0.337	1 CSCL	QTRT1
P2RY12	0.000537	-0.11789	0	0.021	1 CSCL	P2RY12
IL1R2	0.000538	-0.13697	0.005	0.03	1 CSCL	IL1R2
RP11-212I	0.000541	-0.10602	0.002	0.024	1 CSCL	RP11-212I21. 4
MT1F. 2	0.000548	0.299232	0.192	0.311	1 CSCL	MT1F
HAAO. 1	0.000554	-0.11631	0.002	0.024	1 CSCL	HAAO
PCOLCE. 1	0.000561	0.105519	0.04	0.083	1 CSCL	PCOLCE
CARF. 1	0.000563	0.106736	0.037	0.078	1 CSCL	CARF
FIS1. 1	0.000564	0.161886	0.382	0.651	1 CSCL	FIS1
SDHC. 2	0.000566	0.286692	0.332	0.569	1 CSCL	SDHC
CLEC10A	0.000569	-0.1135	0	0.02	1 CSCL	CLEC10A
POLR1C. 2	0.000576	0.26095	0.068	0.124	1 CSCL	POLR1C
GADD45B. 1	0.000582	0.410489	0.433	0.493	1 CSCL	GADD45B
CHMP2A. 2	0.000586	0.455347	0.49	0.663	1 CSCL	CHMP2A
RP11-421L	0.000597	0.171091	0.04	0.083	1 CSCL	RP11-421L21. 3
BCAT2. 1	0.0006	0.314841	0.08	0.141	1 CSCL	BCAT2
TNNI2. 1	0.000603	-0.10441	0	0.02	1 CSCL	TNNI2
APP. 1	0.000607	0.171955	0.319	0.535	1 CSCL	APP
ASB3. 1	0.000609	0.126042	0.016	0.005	1 CSCL	ASB3
UBE2L6. 2	0.00061	0.303977	0.291	0.482	1 CSCL	UBE2L6
RHOBTB3. 2	0.000611	0.293222	0.253	0.416	1 CSCL	RHOBTB3
PSMA1. 2	0.000621	0.205522	0.368	0.624	1 CSCL	PSMA1
TRMT5. 1	0.000632	0.107447	0.031	0.07	1 CSCL	TRMT5
CLDN12. 2	0.000634	0.206903	0.08	0.141	1 CSCL	CLDN12
LANCL2. 2	0.000639	0.247411	0.091	0.155	1 CSCL	LANCL2
GTPBP10	0.000647	0.140996	0.051	0.098	1 CSCL	GTPBP10
CAV1. 2	0.000688	0.441159	0.162	0.125	1 CSCL	CAV1
SLC20A2. 1	0.000693	0.210019	0.063	0.115	1 CSCL	SLC20A2
FPR2. 1	0.000695	-0.10058	0	0.02	1 CSCL	FPR2
CASK. 1	0.000696	0.11256	0.072	0.127	1 CSCL	CASK
CDH11	0.000702	0.187356	0.065	0.118	1 CSCL	CDH11
RFTN2. 2	0.000707	0.185497	0.073	0.13	1 CSCL	RFTN2
HIST1H2BC	0.000734	-0.12183	0.002	0.023	1 CSCL	HIST1H2BC
AK5	0.000752	-0.10942	0.003	0.026	1 CSCL	AK5

SIDT2	0.000771	0.104656	0.037	0.077	1	CSCL	SIDT2
CCNB1IP1	0.000783	0.268186	0.099	0.168	1	CSCL	CCNB1IP1
HSPA6.1	0.000792	0.160992	0.054	0.101	1	CSCL	HSPA6
SCG3.2	0.000793	0.642654	0.272	0.266	1	CSCL	SCG3
GADD45A.2	0.000794	0.327976	0.176	0.284	1	CSCL	GADD45A
PRDX6.1	0.000806	0.368019	0.489	0.631	1	CSCL	PRDX6
HNRNPDL.1	0.000813	0.219409	0.565	0.809	1	CSCL	HNRNPDL
NES.2	0.000815	0.289727	0.175	0.281	1	CSCL	NES
RP11-51J9	0.000828	0.198657	0.084	0.144	1	CSCL	RP11-51J9.5
PHLPP1.2	0.000836	0.132532	0.044	0.087	1	CSCL	PHLPP1
RP11-1143	0.000839	-0.10653	0.021	0.053	1	CSCL	RP11-1143G9.4
SPOCK3.1	0.000844	-0.18831	0.009	0.034	1	CSCL	SPOCK3
USE1.2	0.000852	0.35177	0.209	0.336	1	CSCL	USE1
MAGED1.1	0.000868	0.352012	0.215	0.351	1	CSCL	MAGED1
PKIG.2	0.000878	0.366403	0.195	0.316	1	CSCL	PKIG
KLHL4	0.000891	0.299334	0.073	0.13	1	CSCL	KLHL4
PRKAA2.1	0.00091	0.11623	0.021	0.054	1	CSCL	PRKAA2
SLC35E3.1	0.000913	0.16494	0.117	0.19	1	CSCL	SLC35E3
NUCKS1.1	0.000935	0.197282	0.382	0.649	1	CSCL	NUCKS1
CTTNBP2.2	0.000963	0.101048	0.082	0.139	1	CSCL	CTTNBP2
CD3E.1	0.000981	-0.16538	0	0.019	1	CSCL	CD3E
ZNF395.1	0.000984	0.106613	0.03	0.066	1	CSCL	ZNF395
DSTN.2	0.001006	0.103758	0.379	0.63	1	CSCL	DSTN
FGF20.1	0.00101	-0.11081	0	0.019	1	CSCL	FGF20
DBX2.1	0.001012	0.152431	0.03	0.066	1	CSCL	DBX2
ZNF16	0.001022	0.139205	0.031	0.069	1	CSCL	ZNF16
RP11-539L	0.001023	0.205458	0.052	0.098	1	CSCL	RP11-539L10.3
RNPC3	0.001035	0.104408	0.049	0.093	1	CSCL	RNPC3
C7orf73.2	0.001046	0.228217	0.337	0.566	1	CSCL	C7orf73
BBS2.2	0.001051	0.24015	0.106	0.176	1	CSCL	BBS2
ZNF667.1	0.00106	0.139513	0.042	0.084	1	CSCL	ZNF667
BDNF-AS.1	0.001061	0.101086	0.03	0.066	1	CSCL	BDNF-AS
TRIM9.1	0.001068	0.31654	0.147	0.237	1	CSCL	TRIM9
SLITRK4	0.001076	0.109187	0.012	0.003	1	CSCL	SLITRK4
TCF4.2	0.001077	0.140669	0.333	0.533	1	CSCL	TCF4
CDC42EP4.	0.001078	0.402541	0.126	0.205	1	CSCL	CDC42EP4
ACSBG1	0.001166	0.178207	0.037	0.076	1	CSCL	ACSBG1
LHFPL3.2	0.001172	0.152382	0.07	0.122	1	CSCL	LHFPL3
ABAT.2	0.001175	0.213689	0.098	0.163	1	CSCL	ABAT
ACSS1.1	0.001195	0.10977	0.056	0.102	1	CSCL	ACSS1
C14orf2.1	0.001201	0.1824	0.389	0.668	1	CSCL	C14orf2
RNU12.1	0.00122	-0.12233	0.012	0.039	1	CSCL	RNU12
RCAN1.2	0.001225	0.301676	0.173	0.273	1	CSCL	RCAN1
HINFP	0.001228	0.158153	0.051	0.095	1	CSCL	HINFP
MAGI2.1	0.001228	0.100138	0.059	0.107	1	CSCL	MAGI2
C7orf55.1	0.001261	0.320927	0.264	0.432	1	CSCL	C7orf55
APBB2.1	0.001286	0.241701	0.065	0.115	1	CSCL	APBB2
SLC35G2.2	0.001305	0.170593	0.068	0.119	1	CSCL	SLC35G2
NCALD.1	0.001334	0.179606	0.073	0.127	1	CSCL	NCALD
TSHR	0.001348	0.115042	0.012	0.004	1	CSCL	TSHR
BBS4	0.001365	0.151127	0.045	0.087	1	CSCL	BBS4

C1orf21.2	0.001385	0.36325	0.126	0.204	1 CSCL	C1orf21
NPPA.1	0.001393	0.330165	0.049	0.027	1 CSCL	NPPA
SPEG	0.001425	0.115058	0.035	0.072	1 CSCL	SPEG
TMEM67	0.001457	0.273995	0.052	0.097	1 CSCL	TMEM67
NEAT1.1	0.00146	0.18747	0.581	0.772	1 CSCL	NEAT1
GTF2IRD2.	0.00147	0.126769	0.068	0.119	1 CSCL	GTF2IRD2
HSD17B10.	0.001478	0.369423	0.302	0.505	1 CSCL	HSD17B10
SIAE	0.001483	0.152405	0.049	0.092	1 CSCL	SIAE
BOLA2B	0.001527	0.155766	0.037	0.074	1 CSCL	BOLA2B
CREB5.1	0.00159	0.300983	0.15	0.239	1 CSCL	CREB5
PRDX5.2	0.001622	0.296952	0.532	0.753	1 CSCL	PRDX5
SLC1A3.1	0.001646	0.245574	0.3	0.486	1 CSCL	SLC1A3
ZMAT1.1	0.001671	0.137046	0.052	0.096	1 CSCL	ZMAT1
ZBTB8A.1	0.001674	0.140372	0.059	0.106	1 CSCL	ZBTB8A
CASP9.2	0.001676	0.109385	0.045	0.086	1 CSCL	CASP9
SS18.1	0.001677	0.136522	0.044	0.084	1 CSCL	SS18
IGSF11	0.001686	0.135774	0.033	0.069	1 CSCL	IGSF11
MSX1	0.001709	0.118965	0.031	0.066	1 CSCL	MSX1
CLN3.1	0.001742	0.158692	0.023	0.009	1 CSCL	CLN3
PCDH17	0.001767	0.392209	0.12	0.195	1 CSCL	PCDH17
SEZ6.2	0.001785	0.156067	0.086	0.142	1 CSCL	SEZ6
SNAP25.1	0.001795	0.200495	0.087	0.145	1 CSCL	SNAP25
CAMK2B.1	0.001805	0.291474	0.066	0.116	1 CSCL	CAMK2B
ISG20.1	0.00182	0.161199	0.073	0.124	1 CSCL	ISG20
PCDH15	0.001824	0.26606	0.03	0.014	1 CSCL	PCDH15
CD2.1	0.001853	-0.14223	0.002	0.02	1 CSCL	CD2
BDH1.1	0.001862	0.136495	0.035	0.071	1 CSCL	BDH1
NDUFA12.1	0.001871	0.336543	0.337	0.569	1 CSCL	NDUFA12
RBM41.1	0.001871	0.110977	0.047	0.088	1 CSCL	RBM41
EFHC1.2	0.00188	0.33802	0.131	0.209	1 CSCL	EFHC1
PTPRF.2	0.001897	0.222794	0.068	0.118	1 CSCL	PTPRF
SETDB1.1	0.001941	0.101102	0.035	0.071	1 CSCL	SETDB1
RP11-390E	0.001948	0.195543	0.075	0.127	1 CSCL	RP11-390E23.6
BCAS4	0.001948	0.179875	0.047	0.088	1 CSCL	BCAS4
SAT2.2	0.001953	0.254875	0.36	0.597	1 CSCL	SAT2
COX7A2	0.001966	0.202598	0.567	0.823	1 CSCL	COX7A2
HAPLN1	0.002	0.136995	0.021	0.009	1 CSCL	HAPLN1
IGF1R	0.002001	0.175471	0.035	0.071	1 CSCL	IGF1R
ZNF559.1	0.002025	0.267734	0.089	0.148	1 CSCL	ZNF559
TNC.1	0.002058	0.311271	0.129	0.205	1 CSCL	TNC
CD3D.1	0.002074	-0.17635	0.002	0.02	1 CSCL	CD3D
ETV1.2	0.002095	0.375635	0.157	0.249	1 CSCL	ETV1
NDUFA3.1	0.002155	0.143044	0.391	0.662	1 CSCL	NDUFA3
FAT3	0.002179	0.113002	0.026	0.058	1 CSCL	FAT3
FMN2	0.002207	0.143851	0.035	0.07	1 CSCL	FMN2
MYO10.1	0.002272	0.346849	0.124	0.198	1 CSCL	MYO10
LAMA4	0.002276	0.188326	0.037	0.073	1 CSCL	LAMA4
FABP3.1	0.002315	0.136561	0.021	0.05	1 CSCL	FABP3
XIST.2	0.002326	0.21309	0.175	0.271	1 CSCL	XIST
COL9A3.2	0.002335	0.345052	0.119	0.189	1 CSCL	COL9A3
EZH1.1	0.00234	0.124362	0.044	0.082	1 CSCL	EZH1

RGS6	0.002358	0.272522	0.051	0.092	1 CSCL	RGS6
TCEAL5	0.002393	0.157552	0.073	0.123	1 CSCL	TCEAL5
CPNE5	0.00242	0.113666	0.023	0.052	1 CSCL	CPNE5
THBS4	0.002436	0.102538	0.023	0.052	1 CSCL	THBS4
LRRC69	0.00247	-0.12011	0.01	0.034	1 CSCL	LRRC69
PPP1R1C	0.002548	0.35648	0.045	0.026	1 CSCL	PPP1R1C
DHRS4-AS1	0.002561	0.101898	0.016	0.006	1 CSCL	DHRS4-AS1
STK33.1	0.002565	0.210015	0.035	0.07	1 CSCL	STK33
NSUN6	0.002588	0.102763	0.04	0.077	1 CSCL	NSUN6
SOX2.2	0.002594	0.451143	0.365	0.433	1 CSCL	SOX2
HRASLS.1	0.002597	0.109294	0.021	0.05	1 CSCL	HRASLS
PSMA7.2	0.002598	0.2028	0.572	0.813	1 CSCL	PSMA7
CD82	0.002729	0.369553	0.155	0.244	1 CSCL	CD82
GDAP1.2	0.002814	0.261672	0.096	0.155	1 CSCL	GDAP1
B3GALT1	0.002814	0.109641	0.023	0.052	1 CSCL	B3GALT1
RP11-299L	0.00283	0.122737	0.017	0.007	1 CSCL	RP11-299L17.3
KCND3.1	0.00285	0.142621	0.028	0.059	1 CSCL	KCND3
ZFHx4-AS1	0.002855	0.109119	0.023	0.052	1 CSCL	ZFHx4-AS1
RAB13.2	0.002912	0.353413	0.243	0.378	1 CSCL	RAB13
TRIM32	0.002988	0.113135	0.028	0.059	1 CSCL	TRIM32
UBE3D	0.003007	0.112423	0.028	0.059	1 CSCL	UBE3D
RP11-1114	0.003018	0.10689	0.047	0.086	1 CSCL	RP11-1114A5.4
STK32A.1	0.003063	0.190199	0.026	0.057	1 CSCL	STK32A
HHLA3.2	0.003078	0.298964	0.087	0.142	1 CSCL	HHLA3
CPT1C	0.003144	0.148518	0.063	0.107	1 CSCL	CPT1C
ZNF783	0.003155	0.128368	0.028	0.059	1 CSCL	ZNF783
TMEM100.2	0.003163	0.473561	0.115	0.087	1 CSCL	TMEM100
HSPB1.1	0.003342	0.173026	0.403	0.667	1 CSCL	HSPB1
ANGPTL1	0.003368	0.112792	0.016	0.041	1 CSCL	ANGPTL1
COL16A1	0.003494	0.173714	0.04	0.076	1 CSCL	COL16A1
TSGA10	0.003581	0.108348	0.031	0.063	1 CSCL	TSGA10
C2orf74	0.003622	0.301173	0.044	0.025	1 CSCL	C2orf74
TMED1.1	0.003669	0.433549	0.19	0.296	1 CSCL	TMED1
CTD-2090I	0.003685	0.185615	0.079	0.052	1 CSCL	CTD-2090I13.1
CLYBL.1	0.003699	0.161866	0.031	0.063	1 CSCL	CLYBL
DDAH1.1	0.00382	0.296866	0.077	0.127	1 CSCL	DDAH1
CD74.1	0.003842	0.146223	0.621	0.758	1 CSCL	CD74
RARRES2.1	0.003873	0.451637	0.176	0.148	1 CSCL	RARRES2
PHB.1	0.003908	0.258623	0.34	0.565	1 CSCL	PHB
MPV17L	0.003912	0.145975	0.04	0.075	1 CSCL	MPV17L
WASF3	0.003918	0.208889	0.042	0.078	1 CSCL	WASF3
SHROOM2.1	0.003985	0.129937	0.03	0.06	1 CSCL	SHROOM2
PDCD5.2	0.004006	0.288533	0.337	0.55	1 CSCL	PDCD5
U2AF1L4.1	0.004024	0.347673	0.129	0.2	1 CSCL	U2AF1L4
HKR1.1	0.004027	0.217729	0.072	0.119	1 CSCL	HKR1
ATP6V1G1.	0.00405	0.285185	0.534	0.765	1 CSCL	ATP6V1G1
KCNJ16.1	0.004108	0.126455	0.026	0.055	1 CSCL	KCNJ16
SSR2.1	0.004108	0.11159	0.431	0.728	1 CSCL	SSR2
BST2.1	0.00416	0.468827	0.403	0.49	1 CSCL	BST2
NDP	0.004191	0.276554	0.068	0.114	1 CSCL	NDP
HRSP12.2	0.004239	0.359724	0.129	0.202	1 CSCL	HRSP12

CD99. 1	0.004252	0.312195	0.483	0.645	1 CSCL	CD99
MDFI. 1	0.004316	0.216505	0.051	0.089	1 CSCL	MDFI
ELP4. 1	0.004476	0.223089	0.054	0.094	1 CSCL	ELP4
FAM221A. 2	0.004483	0.216321	0.117	0.181	1 CSCL	FAM221A
AHCYL1. 2	0.004586	0.372388	0.215	0.333	1 CSCL	AHCYL1
COQ3. 1	0.004687	0.113455	0.037	0.069	1 CSCL	COQ3
SSBP1. 2	0.004724	0.223707	0.387	0.651	1 CSCL	SSBP1
POLR2J. 2	0.004791	0.435467	0.475	0.652	1 CSCL	POLR2J
ZNF273. 1	0.004802	0.129111	0.049	0.086	1 CSCL	ZNF273
SCG2. 1	0.004802	0.32902	0.175	0.266	1 CSCL	SCG2
ADAMTS9	0.005025	0.264023	0.044	0.079	1 CSCL	ADAMTS9
ABLIM1. 2	0.005066	0.110274	0.026	0.054	1 CSCL	ABLIM1
TMEM9. 2	0.005084	0.386675	0.239	0.374	1 CSCL	TMEM9
HSPB6. 1	0.005184	0.137685	0.031	0.062	1 CSCL	HSPB6
RP3-525N1	0.005307	0.203739	0.098	0.153	1 CSCL	RP3-525N10. 2
FGGY	0.005326	0.220882	0.051	0.088	1 CSCL	FGGY
GABBR1. 1	0.005346	0.120684	0.045	0.081	1 CSCL	GABBR1
TMBIM4. 2	0.005391	0.123772	0.086	0.058	1 CSCL	TMBIM4
DYNLRB1. 1	0.005445	0.18149	0.405	0.678	1 CSCL	DYNLRB1
SHFM1. 1	0.005483	0.31066	0.515	0.734	1 CSCL	SHFM1
CCDC8	0.005505	0.148802	0.023	0.049	1 CSCL	CCDC8
ZNF398. 1	0.005516	0.122337	0.03	0.059	1 CSCL	ZNF398
LGALS1. 2	0.005538	0.239162	0.539	0.712	1 CSCL	LGALS1
FLRT3. 1	0.005552	0.133903	0.03	0.059	1 CSCL	FLRT3
UQCR10. 1	0.005619	0.118045	0.443	0.757	1 CSCL	UQCR10
NMB. 2	0.005725	0.500905	0.133	0.206	1 CSCL	NMB
TMEM231. 1	0.005765	0.135219	0.033	0.064	1 CSCL	TMEM231
PON2. 2	0.005834	0.51161	0.382	0.454	1 CSCL	PON2
SETD1A	0.005979	0.112106	0.021	0.046	1 CSCL	SETD1A
EXOG. 1	0.006035	0.34635	0.101	0.159	1 CSCL	EXOG
TPPP3. 2	0.006243	0.278731	0.101	0.156	1 CSCL	TPPP3
YWHAE. 1	0.006335	0.188672	0.55	0.763	1 CSCL	YWHAE
THY1. 1	0.006383	0.317957	0.171	0.26	1 CSCL	THY1
HIGD2A. 1	0.006566	0.243045	0.379	0.631	1 CSCL	HIGD2A
PPP5D1. 1	0.006718	0.101241	0.023	0.048	1 CSCL	PPP5D1
AHDC1. 1	0.00672	0.195446	0.063	0.103	1 CSCL	AHDC1
METTL3	0.006856	0.218506	0.079	0.125	1 CSCL	METTL3
ATP6VOE2.	0.006885	0.304677	0.29	0.461	1 CSCL	ATP6VOE2
CCBE1	0.006947	0.109691	0.021	0.009	1 CSCL	CCBE1
IFIT3. 2	0.006997	0.213124	0.068	0.11	1 CSCL	IFIT3
IBSP. 1	0.007147	-0.11892	0.007	0.025	1 CSCL	IBSP
LRRN3. 1	0.007183	0.222314	0.072	0.115	1 CSCL	LRRN3
SERPINE1.	0.007188	0.116576	0.063	0.102	1 CSCL	SERPINE1
SLIRP	0.007206	0.207688	0.384	0.633	1 CSCL	SLIRP
NR1D1. 1	0.007231	0.126104	0.024	0.05	1 CSCL	NR1D1
GLRA3	0.007241	0.140353	0.021	0.01	1 CSCL	GLRA3
SLC25A3. 1	0.007304	0.108486	0.45	0.761	1 CSCL	SLC25A3
SNTG1. 1	0.007456	0.616596	0.171	0.152	1 CSCL	SNTG1
FKBP3. 1	0.007535	0.336731	0.302	0.486	1 CSCL	FKBP3
DIRAS3. 1	0.007539	0.5443	0.147	0.122	1 CSCL	DIRAS3
BUD31. 2	0.007547	0.20812	0.386	0.64	1 CSCL	BUD31

EPSTI1. 2	0. 007601	0. 300046	0. 08	0. 127	1 CSCL	EPSTI1
MGP. 2	0. 007669	0. 410064	0. 131	0. 102	1 CSCL	MGP
CC2D2A. 1	0. 007709	0. 177529	0. 04	0. 072	1 CSCL	CC2D2A
CCDC30	0. 007709	0. 122659	0. 024	0. 05	1 CSCL	CCDC30
EIF3E. 1	0. 007728	0. 263206	0. 394	0. 66	1 CSCL	EIF3E
ZNF714	0. 007728	0. 151162	0. 065	0. 105	1 CSCL	ZNF714
DMD. 1	0. 007815	0. 215014	0. 051	0. 086	1 CSCL	DMD
METAP1D	0. 007948	0. 181016	0. 08	0. 126	1 CSCL	METAP1D
CLDN11. 1	0. 008011	-0. 1205	0. 023	0. 047	1 CSCL	CLDN11
AASS	0. 008019	0. 160983	0. 073	0. 117	1 CSCL	AASS
LPL	0. 008036	0. 293969	0. 105	0. 161	1 CSCL	LPL
RP11-263K	0. 008155	0. 169227	0. 037	0. 067	1 CSCL	RP11-263K19. 4
CRIP2	0. 008263	0. 326813	0. 209	0. 319	1 CSCL	CRIP2
CCDC102B	0. 008305	0. 263897	0. 063	0. 103	1 CSCL	CCDC102B
COA7	0. 008631	0. 133801	0. 035	0. 064	1 CSCL	COA7
SEC62. 2	0. 008642	0. 139651	0. 419	0. 705	1 CSCL	SEC62
GZMA. 1	0. 00872	-0. 12462	0. 002	0. 015	1 CSCL	GZMA
ATP1B2. 2	0. 008997	0. 318074	0. 157	0. 237	1 CSCL	ATP1B2
OAS3	0. 009155	0. 148079	0. 028	0. 054	1 CSCL	OAS3
APOL2. 1	0. 009472	0. 203583	0. 063	0. 101	1 CSCL	APOL2
DSEL. 2	0. 009515	0. 302251	0. 152	0. 229	1 CSCL	DSEL
ERH. 2	0. 009813	0. 333346	0. 504	0. 724	1 CSCL	ERH
FCER1A. 2	0	1. 633094	0. 615	0. 014	0 DC	FCER1A
AREG. 3	0	1. 517188	0. 749	0. 054	0 DC	AREG
CLEC10A. 1	0	1. 314866	0. 471	0. 012	0 DC	CLEC10A
CD1C	0	1. 283364	0. 369	0. 002	0 DC	CD1C
CD1E	0	1. 195941	0. 332	0. 002	0 DC	CD1E
CD1A	#####	0. 60682	0. 123	0. 001	##### DC	CD1A
EREG	#####	1. 055164	0. 348	0. 019	##### DC	EREG
IL1R2. 1	#####	1. 09421	0. 358	0. 024	##### DC	IL1R2
CD1D. 2	#####	1. 040838	0. 412	0. 032	##### DC	CD1D
IL18R1	#####	0. 663384	0. 209	0. 008	##### DC	IL18R1
LSP1. 3	#####	1. 200771	0. 824	0. 155	##### DC	LSP1
AKR1C3	#####	0. 893188	0. 23	0. 013	##### DC	AKR1C3
FCGR2B. 3	#####	1. 114918	0. 727	0. 135	##### DC	FCGR2B
CYTIP. 3	#####	1. 087507	0. 599	0. 096	##### DC	CYTIP
C15orf48.	#####	1. 261493	0. 471	0. 063	##### DC	C15orf48
CLEC5A. 3	#####	1. 060313	0. 578	0. 092	##### DC	CLEC5A
LYZ. 3	#####	1. 149797	0. 802	0. 196	##### DC	LYZ
CLEC4E. 2	#####	0. 94503	0. 428	0. 052	##### DC	CLEC4E
CST7. 2	3. 22E-99	0. 999589	0. 316	0. 031	4. 82E-95 DC	CST7
S100A4. 3	1. 02E-97	1. 031391	0. 963	0. 285	1. 52E-93 DC	S100A4
HLA-DQA2.	1. 78E-95	1. 013786	0. 749	0. 163	2. 66E-91 DC	HLA-DQA2
STK17B. 3	3. 40E-93	0. 993996	0. 626	0. 125	5. 08E-89 DC	STK17B
HLA-DQB2.	7. 00E-93	1. 022505	0. 545	0. 09	1. 05E-88 DC	HLA-DQB2
HLA-DQB1.	2. 90E-90	0. 956046	0. 989	0. 315	4. 33E-86 DC	HLA-DQB1
FGR. 3	5. 10E-89	0. 913558	0. 481	0. 077	7. 61E-85 DC	FGR
TACSTD2	2. 44E-88	0. 355951	0. 091	0. 002	3. 65E-84 DC	TACSTD2
CFP	6. 86E-86	0. 700315	0. 193	0. 013	1. 02E-81 DC	CFP
SDPR	8. 54E-84	0. 345576	0. 075	0. 001	1. 28E-79 DC	SDPR
PLAC8. 2	4. 20E-83	0. 927015	0. 422	0. 062	6. 27E-79 DC	PLAC8

IL2RG. 2	3. 50E-82	0. 816138	0. 326	0. 038	5. 23E-78	DC	IL2RG
Clorf162.	3. 63E-82	0. 921348	0. 973	0. 312	5. 42E-78	DC	Clorf162
CEACAM4.	2 6. 49E-82	0. 665463	0. 235	0. 02	9. 70E-78	DC	CEACAM4
HLA-DQA1.	1. 61E-80	0. 877927	0. 936	0. 296	2. 41E-76	DC	HLA-DQA1
LCP1.	2 2. 07E-79	0. 898558	0. 615	0. 134	3. 10E-75	DC	LCP1
RP11-404C	2. 58E-79	0. 280921	0. 053	0. 001	3. 86E-75	DC	RP11-404013. 5
EVI2B.	3 4. 77E-79	0. 879305	0. 759	0. 194	7. 12E-75	DC	EVI2B
GPR183.	3 6. 76E-75	0. 893229	0. 888	0. 28	1. 01E-70	DC	GPR183
CSTA.	3 4. 12E-74	0. 879915	0. 561	0. 121	6. 16E-70	DC	CSTA
PHACTR1.	3 2. 06E-73	0. 906313	0. 54	0. 111	3. 08E-69	DC	PHACTR1
CD207	3. 98E-73	0. 295832	0. 048	0. 001	5. 94E-69	DC	CD207
GAPT.	3 7. 89E-73	0. 840802	0. 369	0. 055	1. 18E-68	DC	GAPT
RNASE6.	3 8. 59E-73	0. 873716	0. 877	0. 265	1. 28E-68	DC	RNASE6
LST1.	3 1. 12E-72	0. 861019	0. 925	0. 303	1. 67E-68	DC	LST1
TES.	3 1. 84E-72	0. 659986	0. 321	0. 042	2. 75E-68	DC	TES
CD55.	3 2. 83E-72	0. 883066	0. 535	0. 111	4. 23E-68	DC	CD55
HCLS1.	3 1. 64E-71	0. 840118	0. 893	0. 281	2. 46E-67	DC	HCLS1
CD52.	2 3. 30E-71	0. 790845	0. 342	0. 047	4. 93E-67	DC	CD52
ALOX5.	3 1. 19E-70	0. 865721	0. 583	0. 131	1. 78E-66	DC	ALOX5
MAP3K8.	3 1. 80E-70	0. 913313	0. 674	0. 175	2. 69E-66	DC	MAP3K8
CTSH.	3 2. 85E-68	0. 848962	0. 861	0. 286	4. 26E-64	DC	CTSH
CD86.	3 2. 34E-67	0. 82856	0. 738	0. 205	3. 49E-63	DC	CD86
MNDA.	3 5. 10E-67	0. 859964	0. 658	0. 169	7. 63E-63	DC	MNDA
IFI30.	3 1. 13E-66	0. 830701	0. 754	0. 211	1. 69E-62	DC	IFI30
NLRP3.	3 1. 71E-66	0. 84779	0. 439	0. 082	2. 55E-62	DC	NLRP3
GMFG.	3 2. 82E-66	0. 819048	0. 893	0. 288	4. 21E-62	DC	GMFG
FXVD5.	3 2. 05E-64	0. 810928	0. 925	0. 331	3. 06E-60	DC	FXVD5
MS4A6A.	3 2. 46E-64	0. 773493	0. 952	0. 331	3. 68E-60	DC	MS4A6A
CRIP1.	1 5. 09E-64	0. 69431	0. 278	0. 035	7. 61E-60	DC	CRIP1
QPCT.	3 2. 97E-63	0. 806632	0. 299	0. 043	4. 44E-59	DC	QPCT
FAM26F.	3 4. 39E-62	0. 868907	0. 61	0. 16	6. 57E-58	DC	FAM26F
CD48.	3 9. 23E-62	0. 78205	0. 401	0. 073	1. 38E-57	DC	CD48
HPGD	1. 09E-61	0. 323203	0. 091	0. 004	1. 62E-57	DC	HPGD
ICAM3.	3 1. 56E-61	0. 947963	0. 439	0. 095	2. 33E-57	DC	ICAM3
CNN2.	2 2. 53E-61	0. 801117	0. 358	0. 062	3. 78E-57	DC	CNN2
SAMSN1.	3 4. 23E-61	0. 820156	0. 786	0. 243	6. 32E-57	DC	SAMSN1
DUSP2.	3 1. 64E-60	0. 868991	0. 481	0. 104	2. 45E-56	DC	DUSP2
ARHGDIB.	3 2. 61E-60	0. 759098	0. 973	0. 362	3. 90E-56	DC	ARHGDIB
ST14.	3 5. 95E-60	0. 739169	0. 38	0. 068	8. 89E-56	DC	ST14
ITGB2.	3 6. 93E-60	0. 765632	0. 909	0. 314	1. 04E-55	DC	ITGB2
NR4A2.	3 2. 11E-59	0. 829081	0. 77	0. 243	3. 16E-55	DC	NR4A2
CXCR4.	2 1. 65E-58	0. 750859	0. 914	0. 38	2. 46E-54	DC	CXCR4
PLBD1.	3 5. 22E-58	0. 816988	0. 428	0. 089	7. 80E-54	DC	PLBD1
CLEC7A.	3 6. 64E-58	0. 752869	0. 626	0. 168	9. 92E-54	DC	CLEC7A
ADAM8.	2 2. 40E-57	0. 674845	0. 278	0. 039	3. 59E-53	DC	ADAM8
GPSM3.	3 2. 90E-57	0. 806089	0. 786	0. 254	4. 33E-53	DC	GPSM3
HLA-DOB	4. 59E-57	0. 409718	0. 107	0. 006	6. 86E-53	DC	HLA-DOB
FGL2.	3 1. 36E-56	0. 780211	0. 626	0. 169	2. 03E-52	DC	FGL2
TYMP.	3 3. 92E-56	0. 814215	0. 818	0. 298	5. 86E-52	DC	TYMP
CD83.	3 9. 34E-56	0. 799962	0. 807	0. 286	1. 40E-51	DC	CD83
FCGR2A.	3 4. 83E-55	0. 746955	0. 834	0. 28	7. 21E-51	DC	FCGR2A



RHOH. 3	3. 74E-54	0. 699835	0. 38	0. 072	5. 58E-50	DC	RHOH
NR4A3. 3	2. 53E-53	0. 786097	0. 556	0. 144	3. 78E-49	DC	NR4A3
CSF2RA. 3	4. 29E-53	0. 745929	0. 663	0. 195	6. 41E-49	DC	CSF2RA
CTSS. 3	4. 41E-53	0. 694581	0. 914	0. 345	6. 60E-49	DC	CTSS
PKIB. 2	1. 29E-52	0. 831909	0. 717	0. 277	1. 93E-48	DC	PKIB
COR01A. 3	1. 94E-52	0. 719788	0. 898	0. 364	2. 90E-48	DC	COR01A
MALAT1. 3	1. 96E-52	-0. 61708	1	0. 995	2. 93E-48	DC	MALAT1
PLAUR. 3	2. 37E-52	0. 731666	0. 893	0. 358	3. 54E-48	DC	PLAUR
RIPK2. 3	3. 18E-52	0. 832131	0. 551	0. 162	4. 75E-48	DC	RIPK2
FBP1. 3	4. 78E-52	0. 840215	0. 465	0. 111	7. 14E-48	DC	FBP1
DOK2. 2	1. 08E-51	0. 740776	0. 305	0. 051	1. 61E-47	DC	DOK2
THBD. 3	1. 14E-51	0. 836252	0. 412	0. 089	1. 71E-47	DC	THBD
IL13RA1. 3	2. 26E-51	0. 829228	0. 679	0. 242	3. 37E-47	DC	IL13RA1
HLA-DMA. 3	2. 92E-51	0. 66058	0. 968	0. 399	4. 36E-47	DC	HLA-DMA
PTPRC. 3	5. 08E-51	0. 772069	0. 652	0. 196	7. 59E-47	DC	PTPRC
SPINT2. 3	5. 59E-51	0. 795118	0. 647	0. 209	8. 35E-47	DC	SPINT2
IRF4	5. 95E-51	0. 370172	0. 086	0. 004	8. 89E-47	DC	IRF4
SERPINA1. 1	4. 4E-50	0. 750318	0. 813	0. 291	2. 15E-46	DC	SERPINA1
HLA-DRB5. 2	1. 4E-50	0. 626061	0. 952	0. 391	3. 20E-46	DC	HLA-DRB5
PLEK2. 2	3. 48E-50	0. 627334	0. 187	0. 021	5. 21E-46	DC	PLEK2
S100A12	1. 16E-49	0. 366848	0. 096	0. 006	1. 73E-45	DC	S100A12
VAMP8. 3	1. 50E-49	0. 689992	0. 898	0. 334	2. 25E-45	DC	VAMP8
RNF144B. 2	1. 82E-49	0. 740371	0. 417	0. 093	2. 72E-45	DC	RNF144B
NCF2. 3	2. 02E-49	0. 755854	0. 422	0. 096	3. 02E-45	DC	NCF2
HLA-DPB1. 2	0. 8E-49	0. 642446	1	0. 486	3. 11E-45	DC	HLA-DPB1
SPI1. 3	1. 93E-48	0. 765469	0. 711	0. 231	2. 89E-44	DC	SPI1
SNAI1. 2	3. 25E-48	0. 70883	0. 262	0. 041	4. 86E-44	DC	SNAI1
HLA-DMB. 3	3. 73E-48	0. 646563	0. 872	0. 311	5. 57E-44	DC	HLA-DMB
PTGER4. 3	6. 26E-48	0. 726302	0. 476	0. 118	9. 36E-44	DC	PTGER4
PTPN6. 3	9. 30E-48	0. 760495	0. 551	0. 156	1. 39E-43	DC	PTPN6
SERPINB9. 1	4. 8E-47	0. 708296	0. 524	0. 14	2. 22E-43	DC	SERPINB9
RAC2. 3	2. 15E-47	0. 7784	0. 46	0. 113	3. 21E-43	DC	RAC2
IFITM2. 3	2. 52E-47	0. 767527	0. 749	0. 275	3. 77E-43	DC	IFITM2
AIF1. 3	6. 73E-47	0. 63532	0. 984	0. 401	1. 01E-42	DC	AIF1
PARVG. 3	1. 02E-46	0. 725703	0. 551	0. 155	1. 53E-42	DC	PARVG
SPIB	1. 04E-46	0. 408407	0. 128	0. 011	1. 56E-42	DC	SPIB
FMNL1. 3	5. 47E-46	0. 686695	0. 465	0. 118	8. 17E-42	DC	FMNL1
LY86. 3	7. 04E-46	0. 654476	0. 818	0. 284	1. 05E-41	DC	LY86
HMHA1. 3	7. 58E-46	0. 668759	0. 433	0. 103	1. 13E-41	DC	HMHA1
ALOX5AP. 3	1. 07E-45	0. 664725	0. 947	0. 39	1. 59E-41	DC	ALOX5AP
GPR132. 2	1. 11E-45	0. 50165	0. 209	0. 028	1. 65E-41	DC	GPR132
HAS1	1. 44E-45	0. 487301	0. 134	0. 012	2. 16E-41	DC	HAS1
GPR65. 3	3. 29E-45	0. 727323	0. 487	0. 128	4. 92E-41	DC	GPR65
TBXAS1. 3	3. 41E-45	0. 6765	0. 701	0. 234	5. 09E-41	DC	TBXAS1
PYCARD. 3	4. 76E-45	0. 709296	0. 759	0. 277	7. 11E-41	DC	PYCARD
CREM. 3	5. 30E-45	0. 697462	0. 84	0. 399	7. 93E-41	DC	CREM
OGFRL1. 3	6. 65E-45	0. 815345	0. 545	0. 176	9. 94E-41	DC	OGFRL1
CTLA4	1. 30E-44	0. 424341	0. 112	0. 008	1. 94E-40	DC	CTLA4
CD53. 3	1. 55E-44	0. 653441	0. 84	0. 307	2. 32E-40	DC	CD53
TGFBI. 3	4. 46E-44	0. 750701	0. 62	0. 199	6. 67E-40	DC	TGFBI
FPR1. 3	4. 92E-44	0. 626906	0. 786	0. 276	7. 35E-40	DC	FPR1

LGALS2	5.13E-44	0.247351	0.053	0.002	7.66E-40	DC	LGALS2
KYNU.3	5.45E-44	0.676797	0.364	0.08	8.14E-40	DC	KYNU
TYROBP.3	6.60E-44	0.605502	1	0.451	9.87E-40	DC	TYROBP
DAPP1.2	6.82E-44	0.500109	0.193	0.025	1.02E-39	DC	DAPP1
THEMIS2.3	7.19E-44	0.704839	0.674	0.235	1.07E-39	DC	THEMIS2
IL18.3	8.28E-44	0.661854	0.604	0.186	1.24E-39	DC	IL18
BCL2A1.3	2.40E-43	0.727064	0.524	0.151	3.59E-39	DC	BCL2A1
ETS2.3	3.00E-43	0.752163	0.604	0.201	4.49E-39	DC	ETS2
RGS1.3	3.23E-43	0.583894	0.973	0.438	4.82E-39	DC	RGS1
RILPL2.3	3.48E-43	0.722422	0.674	0.252	5.20E-39	DC	RILPL2
CD37.3	3.55E-43	0.63248	0.807	0.293	5.30E-39	DC	CD37
PLEK.3	3.74E-43	0.733279	0.556	0.169	5.59E-39	DC	PLEK
PTPRE.3	4.69E-43	0.832654	0.647	0.264	7.01E-39	DC	PTPRE
HCST.3	8.60E-43	0.657153	0.77	0.276	1.29E-38	DC	HCST
RGS2.2	9.16E-43	0.578859	0.92	0.438	1.37E-38	DC	RGS2
CYP2S1	1.83E-42	0.384173	0.139	0.014	2.74E-38	DC	CYP2S1
RGS10.3	2.35E-42	0.622727	0.856	0.334	3.51E-38	DC	RGS10
MYO1G.3	9.81E-42	0.61718	0.294	0.057	1.47E-37	DC	MYO1G
MYL12A.2	1.35E-41	0.550327	0.936	0.537	2.02E-37	DC	MYL12A
SRGN.3	3.06E-41	0.56436	0.995	0.491	4.57E-37	DC	SRGN
ARPC1B.3	3.16E-41	0.575069	0.947	0.524	4.72E-37	DC	ARPC1B
S1PR4	3.32E-41	0.37384	0.112	0.009	4.96E-37	DC	S1PR4
MYO1F.3	4.84E-41	0.654125	0.567	0.177	7.23E-37	DC	MYO1F
PSTPIP2.2	5.91E-41	0.597534	0.241	0.041	8.84E-37	DC	PSTPIP2
LAPTM5.3	8.97E-41	0.595096	0.963	0.427	1.34E-36	DC	LAPTM5
WAS.3	9.40E-41	0.686334	0.545	0.168	1.40E-36	DC	WAS
OLR1.3	1.35E-40	0.678419	0.695	0.243	2.02E-36	DC	OLR1
FCER1G.3	1.43E-40	0.58382	0.968	0.433	2.14E-36	DC	FCER1G
CAPG.3	1.59E-40	0.636753	0.893	0.407	2.37E-36	DC	CAPG
GLIPR1.2	2.21E-40	0.651376	0.749	0.328	3.30E-36	DC	GLIPR1
KLF4.3	2.86E-40	0.743469	0.583	0.2	4.27E-36	DC	KLF4
RIN3.3	3.92E-40	0.739779	0.417	0.11	5.86E-36	DC	RIN3
SMAP2.3	6.00E-40	0.756582	0.61	0.23	8.96E-36	DC	SMAP2
SAMHD1.3	6.58E-40	0.71698	0.583	0.209	9.83E-36	DC	SAMHD1
ITGA4.2	9.38E-40	0.561196	0.235	0.039	1.40E-35	DC	ITGA4
HS3ST3B1.1	1.12E-39	0.535096	0.23	0.038	1.67E-35	DC	HS3ST3B1
LAT2.3	1.49E-39	0.680147	0.599	0.196	2.23E-35	DC	LAT2
CLEC4A.3	1.91E-39	0.68307	0.289	0.058	2.86E-35	DC	CLEC4A
SPN.3	3.44E-39	0.597743	0.273	0.052	5.15E-35	DC	SPN
STK38L.2	3.62E-39	0.768886	0.465	0.145	5.41E-35	DC	STK38L
BTK.3	5.05E-39	0.589745	0.353	0.081	7.54E-35	DC	BTK
IRAK3.3	8.85E-39	0.584399	0.321	0.07	1.32E-34	DC	IRAK3
CYBA.3	2.08E-38	0.651878	0.893	0.397	3.11E-34	DC	CYBA
CCDC69.2	2.86E-38	0.509604	0.209	0.033	4.27E-34	DC	CCDC69
COTL1.3	3.67E-38	0.628468	0.85	0.504	5.48E-34	DC	COTL1
MAP4K1.2	4.96E-38	0.510662	0.187	0.027	7.42E-34	DC	MAP4K1
SERPINB1.1	1.05E-37	0.629994	0.701	0.26	1.56E-33	DC	SERPINB1
CKLF.3	1.33E-37	0.596032	0.872	0.514	1.98E-33	DC	CKLF
REL.3	1.70E-37	0.728673	0.684	0.292	2.55E-33	DC	REL
CSF3R.3	2.43E-37	0.660098	0.492	0.147	3.63E-33	DC	CSF3R
CD300LB	2.61E-37	0.312448	0.102	0.008	3.91E-33	DC	CD300LB

AHR. 3	4. 51E-37	0. 617481	0. 283	0. 059	6. 74E-33	DC	AHR
AIM1. 1	4. 89E-37	0. 522938	0. 203	0. 032	7. 31E-33	DC	AIM1
FAM105A. 3	6. 81E-37	0. 655039	0. 508	0. 157	1. 02E-32	DC	FAM105A
STXBP2. 3	9. 66E-37	0. 678976	0. 519	0. 167	1. 44E-32	DC	STXBP2
RGS18. 3	1. 59E-36	0. 564482	0. 257	0. 049	2. 37E-32	DC	RGS18
IL10RA. 3	1. 68E-36	0. 637869	0. 46	0. 133	2. 51E-32	DC	IL10RA
RASSF5. 3	1. 71E-36	0. 660892	0. 412	0. 115	2. 55E-32	DC	RASSF5
HCK. 3	1. 91E-36	0. 651532	0. 519	0. 162	2. 85E-32	DC	HCK
HLA-DPA1. 2	3. 32E-36	0. 501271	0. 995	0. 526	3. 47E-32	DC	HLA-DPA1
STX11. 3	2. 76E-36	0. 674211	0. 406	0. 11	4. 12E-32	DC	STX11
LILRA2. 3	3. 21E-36	0. 579911	0. 342	0. 08	4. 79E-32	DC	LILRA2
GNA15. 3	9. 25E-36	0. 656985	0. 39	0. 105	1. 38E-31	DC	GNA15
GRN. 3	1. 13E-35	0. 511188	0. 92	0. 564	1. 69E-31	DC	GRN
NR4A1. 3	1. 56E-35	0. 641469	0. 679	0. 266	2. 33E-31	DC	NR4A1
OSM. 3	2. 16E-35	0. 652188	0. 476	0. 14	3. 23E-31	DC	OSM
IGSF6. 3	2. 60E-35	0. 648043	0. 487	0. 148	3. 89E-31	DC	IGSF6
RP6-91H8. 7	4. 6E-35	0. 618445	0. 262	0. 052	1. 12E-30	DC	RP6-91H8. 3
PTN. 3	7. 67E-35	-1. 41099	0. 16	0. 624	1. 15E-30	DC	PTN
CCL22	1. 19E-34	0. 203169	0. 059	0. 003	1. 78E-30	DC	CCL22
HLA-DRB1. 2	4. 8E-34	0. 488381	1	0. 525	3. 71E-30	DC	HLA-DRB1
LGALS9. 3	3. 41E-34	0. 597987	0. 642	0. 234	5. 10E-30	DC	LGALS9
PPT1. 2	4. 28E-34	0. 533359	0. 877	0. 55	6. 39E-30	DC	PPT1
ZNF331. 3	4. 91E-34	0. 640957	0. 706	0. 309	7. 34E-30	DC	ZNF331
MEF2C. 3	5. 27E-34	0. 630281	0. 663	0. 277	7. 87E-30	DC	MEF2C
AXL. 3	5. 28E-34	0. 641438	0. 519	0. 175	7. 88E-30	DC	AXL
DEF6. 3	6. 26E-34	0. 573402	0. 348	0. 087	9. 36E-30	DC	DEF6
GSN. 2	7. 90E-34	0. 533075	0. 914	0. 503	1. 18E-29	DC	GSN
CMTM7. 3	1. 16E-33	0. 600006	0. 487	0. 159	1. 73E-29	DC	CMTM7
EMP3. 2	1. 28E-33	0. 565245	0. 829	0. 443	1. 92E-29	DC	EMP3
GRASP. 3	1. 45E-33	0. 62102	0. 246	0. 048	2. 17E-29	DC	GRASP
MS4A7. 3	1. 63E-33	0. 56339	0. 797	0. 324	2. 43E-29	DC	MS4A7
NOVA1. 3	2. 15E-33	-1. 51093	0. 016	0. 486	3. 21E-29	DC	NOVA1
PLXDC2. 3	2. 47E-33	0. 599945	0. 578	0. 203	3. 69E-29	DC	PLXDC2
TCIRG1. 3	3. 76E-33	0. 576441	0. 417	0. 121	5. 62E-29	DC	TCIRG1
LITAF. 3	4. 88E-33	0. 5426	0. 84	0. 453	7. 30E-29	DC	LITAF
TNFAIP8. 2	5. 18E-33	0. 580341	0. 289	0. 066	7. 74E-29	DC	TNFAIP8
LILRB3. 2	6. 40E-33	0. 56177	0. 209	0. 037	9. 56E-29	DC	LILRB3
CXCL16. 3	6. 52E-33	0. 560956	0. 84	0. 447	9. 74E-29	DC	CXCL16
ANXA11. 3	6. 54E-33	0. 650448	0. 556	0. 21	9. 78E-29	DC	ANXA11
PLSCR1. 3	7. 07E-33	0. 606526	0. 733	0. 353	1. 06E-28	DC	PLSCR1
LPCAT2. 3	8. 82E-33	0. 600958	0. 46	0. 142	1. 32E-28	DC	LPCAT2
SGK1. 3	8. 84E-33	0. 584667	0. 834	0. 43	1. 32E-28	DC	SGK1
RNASET2. 3	1. 03E-32	0. 575392	0. 898	0. 476	1. 54E-28	DC	RNASET2
TPSAB1	1. 08E-32	0. 451899	0. 15	0. 02	1. 61E-28	DC	TPSAB1
C10orf54. 1	9. 2E-32	0. 604457	0. 701	0. 281	2. 88E-28	DC	C10orf54
RAB11FIP1	2. 04E-32	0. 417795	0. 166	0. 025	3. 05E-28	DC	RAB11FIP1
FLT1. 1	3. 09E-32	0. 397261	0. 139	0. 018	4. 62E-28	DC	FLT1
CLEC2B. 3	3. 31E-32	0. 583797	0. 556	0. 199	4. 94E-28	DC	CLEC2B
HLA-DOA. 2	3. 73E-32	0. 548279	0. 348	0. 09	5. 57E-28	DC	HLA-DOA
ANXA1. 1	3. 84E-32	0. 450937	0. 882	0. 402	5. 74E-28	DC	ANXA1
CD300A. 3	3. 85E-32	0. 599778	0. 545	0. 186	5. 75E-28	DC	CD300A

HBEGF. 3	3. 89E-32	0. 709006	0. 551	0. 21	5. 81E-28	DC	HBEGF
MAP2K1. 3	4. 17E-32	0. 73845	0. 578	0. 264	6. 23E-28	DC	MAP2K1
NGFRAP1. 2	4. 18E-32	-1. 10342	0. 193	0. 651	6. 25E-28	DC	NGFRAP1
DSE. 3	4. 43E-32	0. 644969	0. 428	0. 133	6. 62E-28	DC	DSE
ENTPD1. 3	4. 86E-32	0. 623812	0. 481	0. 157	7. 26E-28	DC	ENTPD1
VASP. 3	5. 06E-32	0. 728974	0. 551	0. 235	7. 56E-28	DC	VASP
TMSB4X. 3	5. 79E-32	-0. 44348	1	0. 997	8. 66E-28	DC	TMSB4X
LYN. 3	5. 93E-32	0. 619295	0. 492	0. 169	8. 86E-28	DC	LYN
BANK1	1. 13E-31	0. 290081	0. 07	0. 005	1. 68E-27	DC	BANK1
DDIT4. 2	1. 60E-31	0. 575714	0. 791	0. 402	2. 39E-27	DC	DDIT4
GPM6B. 3	1. 63E-31	-1. 24384	0. 23	0. 625	2. 44E-27	DC	GPM6B
CAT. 2	1. 80E-31	0. 647935	0. 642	0. 299	2. 70E-27	DC	CAT
CASP4. 3	1. 84E-31	0. 598345	0. 567	0. 222	2. 75E-27	DC	CASP4
ISG20. 2	3. 10E-31	0. 677538	0. 39	0. 117	4. 63E-27	DC	ISG20
CD163. 3	3. 19E-31	0. 567145	0. 679	0. 269	4. 77E-27	DC	CD163
CKB. 3	3. 37E-31	-1. 16686	0. 171	0. 589	5. 03E-27	DC	CKB
RP11-1143	4. 82E-31	0. 626791	0. 235	0. 049	7. 21E-27	DC	RP11-1143G9. 4
CSF1R. 3	9. 60E-31	0. 528704	0. 69	0. 261	1. 43E-26	DC	CSF1R
IFNGR1. 3	9. 93E-31	0. 579773	0. 786	0. 431	1. 48E-26	DC	IFNGR1
ATF7IP2. 2	1. 55E-30	0. 533408	0. 209	0. 039	2. 32E-26	DC	ATF7IP2
TNFRSF1B. 2	0. 4E-30	0. 606624	0. 519	0. 183	3. 05E-26	DC	TNFRSF1B
THBS1. 2	2. 20E-30	0. 697698	0. 305	0. 077	3. 29E-26	DC	THBS1
NCKAP1L. 3	2. 93E-30	0. 541653	0. 401	0. 117	4. 38E-26	DC	NCKAP1L
PRKCH. 2	3. 51E-30	0. 471847	0. 214	0. 041	5. 24E-26	DC	PRKCH
TUBB2B. 2	4. 40E-30	-1. 33144	0. 176	0. 561	6. 58E-26	DC	TUBB2B
ITGB2-AS1	5. 29E-30	0. 383585	0. 166	0. 026	7. 90E-26	DC	ITGB2-AS1
FXVD6. 3	1. 19E-29	-1. 23648	0. 027	0. 468	1. 77E-25	DC	FXVD6
CLEC12A. 1	1. 22E-29	0. 396416	0. 134	0. 018	1. 83E-25	DC	CLEC12A
ADAM28. 3	1. 82E-29	0. 562949	0. 433	0. 137	2. 72E-25	DC	ADAM28
SMCO4. 3	1. 99E-29	0. 63672	0. 401	0. 128	2. 97E-25	DC	SMCO4
OSTF1. 3	2. 00E-29	0. 571205	0. 652	0. 285	2. 99E-25	DC	OSTF1
HERPUD1. 2	2. 39E-29	0. 438738	0. 936	0. 637	3. 57E-25	DC	HERPUD1
RNF149. 3	2. 43E-29	0. 605386	0. 62	0. 265	3. 64E-25	DC	RNF149
PAK1. 3	2. 94E-29	0. 670957	0. 455	0. 165	4. 39E-25	DC	PAK1
ACTB. 3	2. 96E-29	-0. 40283	1	0. 992	4. 43E-25	DC	ACTB
ASGR2	3. 67E-29	0. 380071	0. 091	0. 009	5. 49E-25	DC	ASGR2
NET1. 2	4. 21E-29	0. 502862	0. 198	0. 038	6. 30E-25	DC	NET1
PLP2. 2	4. 93E-29	0. 591939	0. 668	0. 339	7. 36E-25	DC	PLP2
SEPT6. 3	5. 59E-29	0. 679277	0. 444	0. 161	8. 35E-25	DC	6-Sep
TLR2. 3	6. 93E-29	0. 556678	0. 369	0. 107	1. 04E-24	DC	TLR2
AVPI1. 3	1. 09E-28	0. 654867	0. 321	0. 09	1. 63E-24	DC	AVPI1
SQRDL. 3	1. 18E-28	0. 581831	0. 455	0. 155	1. 76E-24	DC	SQRDL
FERMT3. 3	1. 44E-28	0. 612945	0. 471	0. 161	2. 15E-24	DC	FERMT3
VNN1	1. 83E-28	0. 295457	0. 096	0. 01	2. 73E-24	DC	VNN1
GK. 3	2. 13E-28	0. 621252	0. 401	0. 134	3. 18E-24	DC	GK
RP11-347F	2. 26E-28	0. 55295	0. 262	0. 061	3. 38E-24	DC	RP11-347P5. 1
SYTL3. 3	2. 84E-28	0. 507712	0. 262	0. 061	4. 24E-24	DC	SYTL3
LILRA5	2. 93E-28	0. 348291	0. 102	0. 011	4. 38E-24	DC	LILRA5
SPINT1. 2	3. 82E-28	0. 402435	0. 176	0. 031	5. 71E-24	DC	SPINT1
RP11-76E1	3. 87E-28	0. 419433	0. 187	0. 034	5. 78E-24	DC	RP11-76E17. 3
ARHGAP30. 4	0. 5E-28	0. 594874	0. 326	0. 091	6. 05E-24	DC	ARHGAP30

EFHD2.3	5.05E-28	0.655563	0.508	0.205	7.55E-24	DC	EFHD2
ITGB7.2	5.92E-28	0.431076	0.15	0.023	8.85E-24	DC	ITGB7
ZC3H12A.2	7.74E-28	0.557799	0.283	0.073	1.16E-23	DC	ZC3H12A
TREM1.2	8.09E-28	0.534276	0.471	0.159	1.21E-23	DC	TREM1
LDLRAD4.3	1.33E-27	0.675056	0.412	0.142	1.99E-23	DC	LDLRAD4
MAP1B.2	1.73E-27	-1.1829	0.139	0.54	2.59E-23	DC	MAP1B
CASP1.2	1.80E-27	0.563749	0.545	0.221	2.70E-23	DC	CASP1
RHOG.3	2.14E-27	0.558846	0.759	0.404	3.19E-23	DC	RHOG
RETN.2	2.82E-27	0.422386	0.128	0.018	4.21E-23	DC	RETN
Clorf61.3	3.18E-27	-1.18294	0.144	0.541	4.75E-23	DC	Clorf61
ARHGAP15.3	5.50E-27	0.533438	0.332	0.093	5.23E-23	DC	ARHGAP15
PTEN.3	5.85E-27	0.639627	0.374	0.125	8.74E-23	DC	PTEN
GPRIN3.3	6.12E-27	0.484209	0.241	0.055	9.14E-23	DC	GPRIN3
IL1B.3	6.40E-27	0.699298	0.54	0.216	9.56E-23	DC	IL1B
ARRB2.3	6.59E-27	0.5583	0.749	0.394	9.84E-23	DC	ARRB2
CLIC1.1	7.32E-27	0.39364	0.973	0.617	1.09E-22	DC	CLIC1
AKAP13.3	8.07E-27	0.587508	0.636	0.32	1.21E-22	DC	AKAP13
CXorf21.3	8.44E-27	0.531803	0.283	0.073	1.26E-22	DC	CXorf21
FILIP1L.3	8.44E-27	0.640667	0.406	0.145	1.26E-22	DC	FILIP1L
SERP1.3	8.75E-27	0.469139	0.856	0.6	1.31E-22	DC	SERP1
BIN2.3	9.32E-27	0.477113	0.364	0.108	1.39E-22	DC	BIN2
RP11-138A	1.03E-26	0.609665	0.374	0.121	1.54E-22	DC	RP11-138A9.1
CCR2	1.04E-26	0.189271	0.059	0.004	1.55E-22	DC	CCR2
ALDH2.3	1.28E-26	0.604861	0.674	0.366	1.92E-22	DC	ALDH2
SYK.3	1.35E-26	0.484657	0.348	0.102	2.02E-22	DC	SYK
FCGRT.2	1.46E-26	0.434567	0.925	0.544	2.19E-22	DC	FCGRT
SIGLEC10.1	1.87E-26	0.542923	0.455	0.157	2.80E-22	DC	SIGLEC10
OPN3.3	2.79E-26	0.616183	0.262	0.069	4.18E-22	DC	OPN3
LRRFIP1.3	3.97E-26	0.612689	0.647	0.349	5.93E-22	DC	LRRFIP1
CPVL.3	5.52E-26	0.522969	0.706	0.343	8.25E-22	DC	CPVL
SDS.3	5.71E-26	0.723086	0.235	0.056	8.54E-22	DC	SDS
MFSD1.3	6.25E-26	0.516285	0.684	0.338	9.35E-22	DC	MFSD1
METRNL.3	9.61E-26	0.548905	0.289	0.079	1.44E-21	DC	METRNL
CTSZ.3	9.85E-26	0.524106	0.62	0.25	1.47E-21	DC	CTSZ
CD300C.3	1.49E-25	0.575184	0.257	0.065	2.23E-21	DC	CD300C
TNFAIP3.3	2.23E-25	0.610149	0.439	0.159	3.33E-21	DC	TNFAIP3
CALD1.2	2.28E-25	-1.07703	0.027	0.426	3.40E-21	DC	CALD1
SOX2.3	3.36E-25	-1.17054	0.053	0.435	5.02E-21	DC	SOX2
VSIG4.3	3.41E-25	0.451741	0.781	0.358	5.09E-21	DC	VSIG4
TSC22D1.2	6.20E-25	-1.02112	0.139	0.518	9.27E-21	DC	TSC22D1
RPS6KA1.3	6.55E-25	0.54936	0.38	0.127	9.79E-21	DC	RPS6KA1
CD58.3	8.28E-25	0.630069	0.513	0.223	1.24E-20	DC	CD58
CD302.3	9.14E-25	0.539158	0.497	0.2	1.37E-20	DC	CD302
SIK1.3	1.14E-24	0.587306	0.321	0.097	1.71E-20	DC	SIK1
PABPC1.2	1.28E-24	0.344018	0.952	0.741	1.91E-20	DC	PABPC1
GPM6A.2	1.53E-24	-1.05118	0.128	0.51	2.28E-20	DC	GPM6A
EIF3L.1	1.87E-24	0.441772	0.872	0.602	2.80E-20	DC	EIF3L
HAVCR2.3	1.98E-24	0.480008	0.578	0.226	2.96E-20	DC	HAVCR2
GDI2.3	2.65E-24	0.500455	0.743	0.484	3.96E-20	DC	GDI2
ARHGAP9.3	2.96E-24	0.470434	0.294	0.083	4.43E-20	DC	ARHGAP9
PFN2.2	3.44E-24	-1.0828	0.059	0.44	5.14E-20	DC	PFN2

TSC22D3. 2	3. 50E-24	0. 455637	0. 791	0. 451	5. 22E-20	DC	TSC22D3
CD33. 3	3. 56E-24	0. 496371	0. 364	0. 116	5. 32E-20	DC	CD33
CLECL1. 3	3. 60E-24	0. 430132	0. 203	0. 045	5. 38E-20	DC	CLECL1
TUBA1A. 2	4. 23E-24	-0. 67532	0. 754	0. 808	6. 33E-20	DC	TUBA1A
UCP2. 3	5. 10E-24	0. 563208	0. 594	0. 267	7. 62E-20	DC	UCP2
MSN. 3	6. 92E-24	0. 533375	0. 647	0. 371	1. 03E-19	DC	MSN
HLA-DRA. 2	9. 39E-24	0. 331902	1	0. 627	1. 40E-19	DC	HLA-DRA
PLIN2. 2	1. 18E-23	0. 444592	0. 717	0. 336	1. 76E-19	DC	PLIN2
NKG7. 2	1. 25E-23	0. 460811	0. 209	0. 047	1. 86E-19	DC	NKG7
SLC16A3. 3	1. 25E-23	0. 519842	0. 658	0. 315	1. 86E-19	DC	SLC16A3
ARHGAP18. 1	3. 0E-23	0. 525661	0. 449	0. 168	1. 95E-19	DC	ARHGAP18
GAP43. 3	1. 33E-23	-1. 27523	0. 096	0. 472	1. 99E-19	DC	GAP43
CAP1. 2	1. 57E-23	0. 394019	0. 834	0. 588	2. 34E-19	DC	CAP1
PRR13. 1	1. 69E-23	0. 414459	0. 829	0. 538	2. 52E-19	DC	PRR13
CYBB. 3	1. 72E-23	0. 504517	0. 497	0. 187	2. 57E-19	DC	CYBB
MCL1. 3	2. 54E-23	0. 435076	0. 856	0. 594	3. 80E-19	DC	MCL1
CHMP1B. 3	2. 66E-23	0. 540502	0. 717	0. 433	3. 97E-19	DC	CHMP1B
FKBP5. 3	2. 67E-23	0. 51646	0. 626	0. 312	3. 99E-19	DC	FKBP5
B3GNT5. 3	2. 79E-23	0. 563774	0. 38	0. 138	4. 17E-19	DC	B3GNT5
ST3GAL1. 3	3. 02E-23	0. 523456	0. 316	0. 099	4. 51E-19	DC	ST3GAL1
TUBB2A. 2	3. 23E-23	-0. 94	0. 112	0. 483	4. 83E-19	DC	TUBB2A
SASH3. 3	3. 75E-23	0. 435588	0. 273	0. 075	5. 60E-19	DC	SASH3
UCHL1. 1	4. 30E-23	-1. 09839	0. 07	0. 442	6. 42E-19	DC	UCHL1
SLC16A10. 5	2. 5E-23	0. 558622	0. 289	0. 084	7. 85E-19	DC	SLC16A10
AOAH. 3	6. 43E-23	0. 498615	0. 364	0. 119	9. 60E-19	DC	AOAH
RBP1. 1	8. 52E-23	-1. 10669	0. 107	0. 465	1. 27E-18	DC	RBP1
GAPDH. 3	9. 13E-23	-0. 40339	1	0. 985	1. 37E-18	DC	GAPDH
SLC25A4. 3	9. 30E-23	-0. 91196	0. 059	0. 432	1. 39E-18	DC	SLC25A4
IRF8. 3	1. 09E-22	0. 516847	0. 428	0. 154	1. 63E-18	DC	IRF8
FEZ1. 2	1. 46E-22	-0. 95119	0. 064	0. 436	2. 18E-18	DC	FEZ1
PEBP1. 3	1. 48E-22	-0. 58069	0. 652	0. 806	2. 21E-18	DC	PEBP1
B4GALT1. 3	1. 55E-22	0. 524899	0. 348	0. 117	2. 32E-18	DC	B4GALT1
FAM49B. 3	1. 59E-22	0. 47869	0. 781	0. 502	2. 38E-18	DC	FAM49B
CNPY3. 3	1. 65E-22	0. 482298	0. 727	0. 407	2. 46E-18	DC	CNPY3
MGAT1. 3	1. 86E-22	0. 534858	0. 647	0. 353	2. 78E-18	DC	MGAT1
CSRNP1. 3	1. 99E-22	0. 586702	0. 455	0. 186	2. 97E-18	DC	CSRNP1
IKZF1. 3	2. 02E-22	0. 460136	0. 241	0. 062	3. 02E-18	DC	IKZF1
PCSK1N. 2	2. 29E-22	-1. 09541	0. 08	0. 426	3. 42E-18	DC	PCSK1N
FSCN1. 3	2. 97E-22	-0. 85839	0. 15	0. 51	4. 45E-18	DC	FSCN1
ANPEP. 2	3. 00E-22	0. 35908	0. 155	0. 03	4. 49E-18	DC	ANPEP
LRRK2. 2	3. 35E-22	0. 472631	0. 225	0. 058	5. 00E-18	DC	LRRK2
FPR3. 3	3. 36E-22	0. 437324	0. 219	0. 054	5. 02E-18	DC	FPR3
WBP5. 2	3. 51E-22	-0. 91407	0. 128	0. 509	5. 24E-18	DC	WBP5
CST6	3. 71E-22	0. 339303	0. 102	0. 014	5. 55E-18	DC	CST6
EEF1B2. 2	3. 73E-22	0. 267195	0. 968	0. 773	5. 58E-18	DC	EEF1B2
SKIL. 3	4. 66E-22	0. 543246	0. 561	0. 281	6. 96E-18	DC	SKIL
LIMS1. 3	4. 73E-22	0. 484701	0. 722	0. 435	7. 07E-18	DC	LIMS1
APOBR. 2	4. 82E-22	0. 429683	0. 171	0. 036	7. 20E-18	DC	APOBR
SH3KBP1. 3	5. 68E-22	0. 541375	0. 513	0. 237	8. 49E-18	DC	SH3KBP1
ACTG1. 3	7. 74E-22	-0. 37805	0. 973	0. 948	1. 16E-17	DC	ACTG1
SCD5. 2	8. 08E-22	-0. 9207	0. 037	0. 4	1. 21E-17	DC	SCD5

MX2. 3	8. 54E-22	0. 443061	0. 235	0. 061	1. 28E-17	DC	MX2
CARD16. 1	8. 88E-22	0. 4688	0. 524	0. 225	1. 33E-17	DC	CARD16
NFKBID. 3	1. 07E-21	0. 469076	0. 39	0. 136	1. 60E-17	DC	NFKBID
PDPN. 1	1. 30E-21	-1. 03342	0. 086	0. 455	1. 94E-17	DC	PDPN
USP53. 3	1. 46E-21	0. 507638	0. 385	0. 137	2. 19E-17	DC	USP53
CNN3. 3	1. 47E-21	-1. 01938	0. 123	0. 474	2. 20E-17	DC	CNN3
S100A6. 3	1. 79E-21	0. 23234	0. 968	0. 638	2. 68E-17	DC	S100A6
LTB. 2	1. 83E-21	0. 392206	0. 155	0. 031	2. 74E-17	DC	LTB
PMAIP1. 3	2. 03E-21	0. 479956	0. 278	0. 08	3. 03E-17	DC	PMAIP1
TMEM109. 3	2. 03E-21	0. 539193	0. 465	0. 2	3. 04E-17	DC	TMEM109
EVI2A. 3	2. 04E-21	0. 415742	0. 535	0. 218	3. 04E-17	DC	EVI2A
RASAL3. 3	2. 09E-21	0. 390276	0. 219	0. 054	3. 13E-17	DC	RASAL3
HMGB2. 3	2. 21E-21	0. 442872	0. 802	0. 489	3. 30E-17	DC	HMGB2
DOCK5. 3	2. 22E-21	0. 420126	0. 214	0. 053	3. 32E-17	DC	DOCK5
HEXB. 3	2. 34E-21	0. 504734	0. 674	0. 401	3. 50E-17	DC	HEXB
ZNF385A. 3	2. 72E-21	0. 536627	0. 364	0. 133	4. 07E-17	DC	ZNF385A
PPA1. 2	3. 14E-21	0. 438853	0. 775	0. 525	4. 69E-17	DC	PPA1
GCA. 3	3. 62E-21	0. 549829	0. 588	0. 294	5. 40E-17	DC	GCA
CLEC9A. 2	3. 74E-21	0. 437766	0. 155	0. 031	5. 59E-17	DC	CLEC9A
FABP7. 2	4. 99E-21	-1. 29597	0. 053	0. 389	7. 46E-17	DC	FABP7
PARVB. 3	5. 05E-21	0. 600859	0. 396	0. 16	7. 54E-17	DC	PARVB
RHOBTB3. 3	5. 23E-21	-0. 86642	0. 059	0. 414	7. 81E-17	DC	RHOBTB3
ITGAM. 3	6. 11E-21	0. 501907	0. 257	0. 073	9. 14E-17	DC	ITGAM
ARHGAP4. 3	6. 41E-21	0. 494899	0. 337	0. 112	9. 58E-17	DC	ARHGAP4
CIB1. 2	6. 44E-21	0. 440573	0. 765	0. 488	9. 63E-17	DC	CIB1
PRDX2. 3	6. 93E-21	-0. 71043	0. 422	0. 706	1. 04E-16	DC	PRDX2
NFIB. 3	6. 96E-21	-1. 01201	0. 037	0. 383	1. 04E-16	DC	NFIB
RASSF3. 2	6. 96E-21	0. 379526	0. 176	0. 039	1. 04E-16	DC	RASSF3
PSTPIP1. 2	7. 00E-21	0. 387259	0. 176	0. 039	1. 05E-16	DC	PSTPIP1
TPM3. 3	9. 21E-21	0. 386858	0. 797	0. 554	1. 38E-16	DC	TPM3
FCN1	9. 75E-21	0. 375185	0. 075	0. 008	1. 46E-16	DC	FCN1
MCM5. 3	1. 04E-20	0. 548902	0. 38	0. 146	1. 56E-16	DC	MCM5
RP11-386I	1. 07E-20	0. 439259	0. 235	0. 064	1. 59E-16	DC	RP11-386I14. 4
KCNE1. 1	1. 21E-20	0. 393511	0. 123	0. 021	1. 81E-16	DC	KCNE1
TLR10. 2	1. 43E-20	0. 359503	0. 128	0. 023	2. 13E-16	DC	TLR10
MDK. 2	1. 45E-20	-0. 98872	0. 155	0. 496	2. 17E-16	DC	MDK
ATP1B3. 3	1. 51E-20	0. 452254	0. 77	0. 541	2. 26E-16	DC	ATP1B3
RGS19. 3	1. 69E-20	0. 548853	0. 551	0. 271	2. 52E-16	DC	RGS19
PLB1. 2	1. 73E-20	0. 431046	0. 176	0. 04	2. 59E-16	DC	PLB1
RNF130. 3	1. 79E-20	0. 49134	0. 722	0. 458	2. 67E-16	DC	RNF130
LPXN. 3	1. 92E-20	0. 470871	0. 321	0. 107	2. 88E-16	DC	LPXN
SLA. 3	2. 03E-20	0. 474022	0. 492	0. 197	3. 04E-16	DC	SLA
FES. 3	2. 05E-20	0. 439851	0. 262	0. 076	3. 06E-16	DC	FES
KCNK6. 1	2. 32E-20	0. 371546	0. 171	0. 037	3. 47E-16	DC	KCNK6
CATSPER1. 1	2. 88E-20	0. 389922	0. 134	0. 024	4. 30E-16	DC	CATSPER1
CEBPD. 1	2. 97E-20	0. 465954	0. 759	0. 454	4. 43E-16	DC	CEBPD
SYNGR2. 3	3. 00E-20	0. 473289	0. 626	0. 323	4. 48E-16	DC	SYNGR2
PTPN22. 2	3. 68E-20	0. 338255	0. 134	0. 025	5. 51E-16	DC	PTPN22
HSH2D	3. 79E-20	0. 243166	0. 07	0. 007	5. 66E-16	DC	HSH2D
SLC2A3. 2	4. 45E-20	0. 532039	0. 529	0. 25	6. 66E-16	DC	SLC2A3
TRPV2. 3	4. 80E-20	0. 475451	0. 214	0. 056	7. 17E-16	DC	TRPV2

CAMK2N1.3	5.21E-20	-0.91849	0	0.322	7.79E-16	DC	CAMK2N1
TAGAP.3	5.84E-20	0.472405	0.305	0.097	8.73E-16	DC	TAGAP
CD14.3	7.30E-20	0.411758	0.781	0.402	1.09E-15	DC	CD14
PLD4.3	7.68E-20	0.490416	0.406	0.149	1.15E-15	DC	PLD4
RPPH1	7.92E-20	0.428167	0.144	0.029	1.18E-15	DC	RPPH1
DUSP5	8.03E-20	0.608164	0.235	0.07	1.20E-15	DC	DUSP5
CD68.3	1.07E-19	0.389855	0.834	0.435	1.61E-15	DC	CD68
CACNA2D4.	1.07E-19	0.465105	0.246	0.071	1.61E-15	DC	CACNA2D4
SCG5.2	1.17E-19	-0.97584	0.011	0.333	1.75E-15	DC	SCG5
CACNA2D3.	1.21E-19	0.434007	0.144	0.029	1.80E-15	DC	CACNA2D3
MEST.2	1.30E-19	-0.87655	0.053	0.392	1.94E-15	DC	MEST
MLLT11.1	1.30E-19	-0.96038	0.123	0.459	1.94E-15	DC	MLLT11
ARPC3.1	1.34E-19	0.233635	0.984	0.801	2.00E-15	DC	ARPC3
SYAP1.2	1.44E-19	0.549947	0.62	0.383	2.15E-15	DC	SYAP1
H2AFY.3	1.56E-19	0.377578	0.813	0.604	2.33E-15	DC	H2AFY
PRKAG2-AS	1.57E-19	0.557538	0.337	0.121	2.35E-15	DC	PRKAG2-AS1
SLC11A1.3	2.02E-19	0.468325	0.626	0.3	3.02E-15	DC	SLC11A1
TM6SF1.3	2.16E-19	0.47489	0.406	0.154	3.22E-15	DC	TM6SF1
MAP2.3	2.26E-19	-0.84442	0.021	0.343	3.38E-15	DC	MAP2
SP100.2	2.30E-19	0.435929	0.578	0.282	3.44E-15	DC	SP100
LACTB.3	2.39E-19	0.553123	0.39	0.162	3.57E-15	DC	LACTB
ACTR2.3	3.14E-19	0.470271	0.69	0.455	4.68E-15	DC	ACTR2
NFIX.2	3.22E-19	-0.81479	0.016	0.337	4.81E-15	DC	NFIX
NAAA.3	3.46E-19	0.504856	0.342	0.13	5.18E-15	DC	NAAA
ARPC5.2	3.76E-19	0.296027	0.882	0.669	5.62E-15	DC	ARPC5
RASGEF1B.	4.32E-19	0.430265	0.337	0.117	6.46E-15	DC	RASGEF1B
CTSC.3	4.51E-19	0.394169	0.738	0.378	6.74E-15	DC	CTSC
GPX1.3	5.62E-19	0.224357	0.995	0.811	8.40E-15	DC	GPX1
MARCKS.2	5.90E-19	-0.65715	0.337	0.602	8.82E-15	DC	MARCKS
CXXC5.3	6.11E-19	-0.83256	0.059	0.385	9.13E-15	DC	CXXC5
TMEM173.3	6.16E-19	0.460301	0.348	0.123	9.21E-15	DC	TMEM173
DUSP23.2	7.96E-19	0.489689	0.444	0.184	1.19E-14	DC	DUSP23
CDKN1A.2	8.13E-19	0.474206	0.594	0.303	1.22E-14	DC	CDKN1A
MARCKSL1.	8.83E-19	-0.9476	0.316	0.548	1.32E-14	DC	MARCKSL1
IGFBP2.2	8.98E-19	-1.09642	0.07	0.379	1.34E-14	DC	IGFBP2
SLC7A7.3	9.28E-19	0.455161	0.428	0.17	1.39E-14	DC	SLC7A7
ACSL6	1.07E-18	0.404014	0.182	0.045	1.59E-14	DC	ACSL6
NFKBIA.2	1.18E-18	0.438593	0.775	0.495	1.76E-14	DC	NFKBIA
CCNH.3	1.25E-18	0.476702	0.663	0.407	1.87E-14	DC	CCNH
ETV3.3	1.27E-18	0.526925	0.241	0.074	1.90E-14	DC	ETV3
TRABD.3	1.52E-18	0.528951	0.497	0.255	2.27E-14	DC	TRABD
ANAPC16.1	1.72E-18	0.360165	0.781	0.521	2.58E-14	DC	ANAPC16
SEC11A.2	1.79E-18	0.305638	0.829	0.587	2.67E-14	DC	SEC11A
C10orf128	1.82E-18	0.437019	0.139	0.029	2.73E-14	DC	C10orf128
MOB1A.3	2.31E-18	0.469559	0.594	0.336	3.45E-14	DC	MOB1A
GSTO1.2	2.34E-18	0.440634	0.722	0.452	3.50E-14	DC	GSTO1
STAT6.3	3.37E-18	0.397672	0.193	0.05	5.04E-14	DC	STAT6
FGD2.3	3.65E-18	0.33273	0.214	0.058	5.45E-14	DC	FGD2
ELF1.3	3.89E-18	0.45808	0.508	0.24	5.81E-14	DC	ELF1
SPTLC2.3	5.06E-18	0.463131	0.465	0.206	7.56E-14	DC	SPTLC2
ZNF667-AS	5.44E-18	-0.79994	0.07	0.393	8.13E-14	DC	ZNF667-AS1



SH3BP1.3	6.09E-18	0.560712	0.299	0.109	9.10E-14	DC	SH3BP1
ETHE1	6.11E-18	0.510166	0.529	0.285	9.13E-14	DC	ETHE1
WRB.2	7.49E-18	-0.74597	0.091	0.425	1.12E-13	DC	WRB
CELF2.3	7.88E-18	0.445896	0.636	0.379	1.18E-13	DC	CELF2
RGCC.2	7.89E-18	0.499067	0.519	0.246	1.18E-13	DC	RGCC
GOLM1.2	8.07E-18	-0.73873	0.016	0.321	1.21E-13	DC	GOLM1
ANXA2.2	8.40E-18	0.333064	0.84	0.508	1.26E-13	DC	ANXA2
ELAVL3.3	8.56E-18	-0.81511	0.016	0.315	1.28E-13	DC	ELAVL3
CD38	9.28E-18	0.372845	0.107	0.019	1.39E-13	DC	CD38
TSPO.2	9.90E-18	0.36544	0.84	0.591	1.48E-13	DC	TSPO
P2RY13.3	1.06E-17	0.393283	0.262	0.082	1.58E-13	DC	P2RY13
IER3.3	1.12E-17	0.455041	0.524	0.237	1.68E-13	DC	IER3
ETF1.2	1.14E-17	0.485869	0.578	0.342	1.70E-13	DC	ETF1
SLC25A5	1.22E-17	0.271862	0.92	0.718	1.82E-13	DC	SLC25A5
HHEX.3	1.36E-17	0.388374	0.203	0.055	2.03E-13	DC	HHEX
CMTM6.3	1.96E-17	0.437286	0.652	0.422	2.94E-13	DC	CMTM6
BAALC.2	1.97E-17	-0.84656	0.048	0.35	2.94E-13	DC	BAALC
MEG3.2	2.05E-17	-1.07313	0.016	0.309	3.06E-13	DC	MEG3
PMP2.3	2.24E-17	-1.0228	0.053	0.355	3.34E-13	DC	PMP2
VRK2.3	2.45E-17	0.415885	0.193	0.052	3.65E-13	DC	VRK2
NFKB1.3	2.53E-17	0.507301	0.283	0.101	3.78E-13	DC	NFKB1
PTGS2.3	2.85E-17	0.45797	0.209	0.059	4.26E-13	DC	PTGS2
NCF4.3	2.89E-17	0.440305	0.369	0.142	4.32E-13	DC	NCF4
SH3BGRL.1	2.93E-17	0.312911	0.872	0.645	4.38E-13	DC	SH3BGRL
PTPRZ1.3	3.18E-17	-0.90032	0.086	0.389	4.76E-13	DC	PTPRZ1
NPC2.2	3.22E-17	0.267366	0.989	0.687	4.81E-13	DC	NPC2
CCND3.2	3.29E-17	0.508142	0.492	0.256	4.92E-13	DC	CCND3
SERPINF2.	3.77E-17	0.350179	0.123	0.024	5.64E-13	DC	SERPINF2
ARPC2.2	4.51E-17	0.256642	0.952	0.771	6.74E-13	DC	ARPC2
C19orf33	4.56E-17	0.152138	0.032	0.002	6.82E-13	DC	C19orf33
DRAM2.3	5.23E-17	0.441446	0.594	0.332	7.82E-13	DC	DRAM2
HBB.2	5.34E-17	0.383054	0.668	0.394	7.99E-13	DC	HBB
FHL1.3	5.41E-17	-0.77049	0.059	0.361	8.09E-13	DC	FHL1
FAM49A.2	5.49E-17	0.524794	0.38	0.167	8.20E-13	DC	FAM49A
ACSL1.3	5.53E-17	0.484075	0.476	0.223	8.27E-13	DC	ACSL1
RCS1.3	6.01E-17	0.447623	0.321	0.117	8.99E-13	DC	RCS1
S100A10.3	6.12E-17	0.282951	0.845	0.54	9.15E-13	DC	S100A10
CHRNE.2	6.26E-17	0.28065	0.123	0.024	9.35E-13	DC	CHRNE
STMN3.1	6.26E-17	-0.72208	0.021	0.311	9.35E-13	DC	STMN3
NCAM1.3	6.66E-17	-0.78316	0.043	0.34	9.95E-13	DC	NCAM1
PABPC4.3	7.75E-17	0.527417	0.551	0.325	1.16E-12	DC	PABPC4
CCL17	7.78E-17	0.194762	0.048	0.004	1.16E-12	DC	CCL17
ICAM2.2	7.84E-17	0.412001	0.144	0.033	1.17E-12	DC	ICAM2
ABI3.3	9.54E-17	0.40379	0.444	0.186	1.42E-12	DC	ABI3
RHBDF2.3	1.00E-16	0.460023	0.412	0.174	1.50E-12	DC	RHBDF2
C3AR1.3	1.17E-16	0.337058	0.529	0.233	1.75E-12	DC	C3AR1
ODF3B.3	1.20E-16	0.43836	0.267	0.091	1.79E-12	DC	ODF3B
STMN1.2	1.20E-16	-0.7254	0.353	0.635	1.80E-12	DC	STMN1
LINC00461	1.27E-16	-0.76449	0.032	0.325	1.90E-12	DC	LINC00461
EAF2.3	1.32E-16	0.39428	0.267	0.09	1.97E-12	DC	EAF2
NFIA.2	1.36E-16	-0.80648	0.08	0.384	2.04E-12	DC	NFIA

MT3. 3	1. 37E-16	-1. 12174	0. 219	0. 495	2. 04E-12 DC	MT3
LIMD2. 3	1. 42E-16	0. 572726	0. 465	0. 245	2. 12E-12 DC	LIMD2
FTL. 3	1. 56E-16	-0. 35645	1	0. 994	2. 34E-12 DC	FTL
MAPT. 3	1. 63E-16	-0. 79037	0. 011	0. 289	2. 44E-12 DC	MAPT
CARD9. 3	1. 68E-16	0. 381659	0. 219	0. 066	2. 50E-12 DC	CARD9
KIF21A. 3	1. 68E-16	-0. 72181	0. 021	0. 307	2. 52E-12 DC	KIF21A
TRIM38. 2	1. 72E-16	0. 45444	0. 273	0. 095	2. 57E-12 DC	TRIM38
ACAP1. 2	1. 75E-16	0. 4642	0. 235	0. 077	2. 61E-12 DC	ACAP1
CD44. 1	1. 84E-16	0. 294357	0. 684	0. 378	2. 75E-12 DC	CD44
YWHAH. 3	1. 90E-16	0. 409706	0. 759	0. 562	2. 84E-12 DC	YWHAH
NPDC1. 2	2. 01E-16	-0. 7435	0. 043	0. 328	3. 00E-12 DC	NPDC1
SLC1A5. 3	2. 12E-16	0. 515137	0. 337	0. 135	3. 17E-12 DC	SLC1A5
DDX21. 1	2. 16E-16	0. 487112	0. 524	0. 296	3. 23E-12 DC	DDX21
HLA-E. 3	2. 26E-16	0. 299675	0. 898	0. 591	3. 38E-12 DC	HLA-E
ZBTB20. 2	2. 33E-16	-0. 71784	0. 08	0. 39	3. 49E-12 DC	ZBTB20
PODXL2. 3	2. 35E-16	-0. 72575	0. 027	0. 312	3. 51E-12 DC	PODXL2
EIF3F. 3	2. 40E-16	0. 333589	0. 786	0. 602	3. 59E-12 DC	EIF3F
CDH2. 2	2. 53E-16	-0. 67788	0. 011	0. 289	3. 78E-12 DC	CDH2
BCL2. 2	2. 65E-16	0. 387173	0. 176	0. 047	3. 96E-12 DC	BCL2
LTC4S. 3	2. 76E-16	0. 422017	0. 406	0. 164	4. 13E-12 DC	LTC4S
CRIP2. 1	2. 81E-16	-0. 70033	0. 027	0. 318	4. 20E-12 DC	CRIP2
MS4A4A. 3	2. 86E-16	0. 324303	0. 61	0. 281	4. 27E-12 DC	MS4A4A
BEX1. 2	2. 89E-16	-0. 91551	0. 064	0. 355	4. 31E-12 DC	BEX1
CEBPB. 3	2. 91E-16	0. 415776	0. 695	0. 431	4. 35E-12 DC	CEBPB
CD2. 2	2. 97E-16	0. 209448	0. 102	0. 018	4. 44E-12 DC	CD2
SOX4. 2	3. 08E-16	-0. 98379	0. 166	0. 45	4. 61E-12 DC	SOX4
PRKCB. 2	3. 17E-16	0. 348391	0. 16	0. 04	4. 74E-12 DC	PRKCB
S100A11. 3	3. 44E-16	0. 231562	0. 989	0. 652	5. 14E-12 DC	S100A11
APRT. 1	3. 75E-16	0. 318522	0. 765	0. 527	5. 61E-12 DC	APRT
RP11-586D. 3	3. 79E-16	0. 215527	0. 059	0. 007	5. 67E-12 DC	RP11-586D19. 1
GSTA4. 2	4. 01E-16	-0. 76063	0. 016	0. 294	5. 99E-12 DC	GSTA4
DSTN. 3	4. 14E-16	-0. 61895	0. 385	0. 622	6. 19E-12 DC	DSTN
H3F3B. 3	4. 28E-16	-0. 2913	0. 995	0. 97	6. 40E-12 DC	H3F3B
ATP6VOE2. 4	4. 53E-16	-0. 71181	0. 16	0. 457	6. 76E-12 DC	ATP6VOE2
KCNAB2. 3	4. 78E-16	0. 436272	0. 23	0. 074	7. 14E-12 DC	KCNAB2
LAPTM4B. 3	5. 02E-16	-0. 70406	0. 048	0. 336	7. 50E-12 DC	LAPTM4B
FOSL2. 3	5. 04E-16	0. 555558	0. 39	0. 183	7. 53E-12 DC	FOSL2
CCR7	5. 07E-16	0. 405566	0. 07	0. 009	7. 58E-12 DC	CCR7
NT5DC1. 1	5. 28E-16	0. 40497	0. 182	0. 05	7. 89E-12 DC	NT5DC1
CPPED1. 3	5. 30E-16	0. 418337	0. 214	0. 065	7. 92E-12 DC	CPPED1
LILRB4. 3	6. 12E-16	0. 328604	0. 561	0. 25	9. 15E-12 DC	LILRB4
MYL6B. 2	6. 31E-16	-0. 70978	0. 139	0. 447	9. 42E-12 DC	MYL6B
SERPINF1. 6	5. 59E-16	0. 45613	0. 471	0. 22	9. 86E-12 DC	SERPINF1
SEC61G. 3	6. 61E-16	-0. 75129	0. 743	0. 8	9. 87E-12 DC	SEC61G
NABP1. 2	6. 82E-16	0. 447187	0. 316	0. 121	1. 02E-11 DC	NABP1
QARS. 3	7. 44E-16	0. 48479	0. 503	0. 279	1. 11E-11 DC	QARS
FAM229B. 2	7. 47E-16	-0. 73797	0. 021	0. 296	1. 12E-11 DC	FAM229B
SLC31A2. 3	7. 64E-16	0. 453918	0. 422	0. 189	1. 14E-11 DC	SLC31A2
GBGT1. 3	7. 74E-16	0. 356942	0. 176	0. 048	1. 16E-11 DC	GBGT1
STMN4. 2	8. 62E-16	-1. 07988	0. 037	0. 31	1. 29E-11 DC	STMN4
CD74. 2	8. 82E-16	0. 221203	1	0. 747	1. 32E-11 DC	CD74

APLP1.3	9.07E-16	-0.80643	0.064	0.356	1.36E-11	DC	APLP1
KIF5C.3	9.49E-16	-0.70826	0.005	0.272	1.42E-11	DC	KIF5C
CAPZA1.3	9.98E-16	0.439482	0.599	0.389	1.49E-11	DC	CAPZA1
ZNF428.3	1.06E-15	-0.61837	0.278	0.549	1.59E-11	DC	ZNF428
GPR34.3	1.24E-15	0.322712	0.572	0.262	1.85E-11	DC	GPR34
NES.3	1.42E-15	-0.86406	0.016	0.28	2.12E-11	DC	NES
TSPAN7.1	1.46E-15	-0.81381	0.037	0.314	2.19E-11	DC	TSPAN7
RUNX3.2	1.51E-15	0.338131	0.15	0.037	2.25E-11	DC	RUNX3
DPYSL3.2	1.61E-15	-0.728	0.043	0.326	2.41E-11	DC	DPYSL3
GSTK1.1	1.63E-15	0.330783	0.765	0.526	2.44E-11	DC	GSTK1
IGFLR1	1.77E-15	0.363285	0.187	0.053	2.64E-11	DC	IGFLR1
TGIF1.2	1.83E-15	0.500371	0.578	0.354	2.73E-11	DC	TGIF1
TWF2.3	2.39E-15	0.517583	0.551	0.337	3.57E-11	DC	TWF2
LYL1.3	2.43E-15	0.358181	0.241	0.079	3.64E-11	DC	LYL1
CD320.1	2.47E-15	-0.68714	0.043	0.322	3.69E-11	DC	CD320
C7orf55.2	2.86E-15	-0.68822	0.123	0.428	4.27E-11	DC	C7orf55
ARF6.3	3.11E-15	0.492157	0.551	0.34	4.65E-11	DC	ARF6
YPEL5.1	3.22E-15	0.416083	0.663	0.449	4.81E-11	DC	YPEL5
RP11-24F1	3.22E-15	0.227762	0.086	0.014	4.81E-11	DC	RP11-24F11.2
PILRA.3	3.34E-15	0.44409	0.385	0.161	4.98E-11	DC	PILRA
PRAM1.3	3.53E-15	0.361376	0.182	0.051	5.27E-11	DC	PRAM1
TCEAL7.1	3.61E-15	-0.76048	0.032	0.307	5.40E-11	DC	TCEAL7
MT1E.3	3.75E-15	-1.01674	0.102	0.384	5.60E-11	DC	MT1E
SERPINE2.3	3.78E-15	-0.74259	0.027	0.297	5.65E-11	DC	SERPINE2
DDR1.2	4.11E-15	-0.68175	0.053	0.336	6.14E-11	DC	DDR1
OSTC.2	4.12E-15	0.348136	0.711	0.5	6.16E-11	DC	OSTC
SCG3.3	4.13E-15	-0.83855	0.011	0.271	6.18E-11	DC	SCG3
SEZ6L2.2	4.26E-15	-0.69997	0.016	0.278	6.36E-11	DC	SEZ6L2
SOX11.2	4.29E-15	-0.84476	0.016	0.277	6.42E-11	DC	SOX11
SELL.2	4.31E-15	0.320737	0.144	0.035	6.44E-11	DC	SELL
TMSB10.3	4.54E-15	-0.33231	1	0.964	6.79E-11	DC	TMSB10
LINC00937	4.77E-15	0.338568	0.134	0.031	7.13E-11	DC	LINC00937
KDM6B.3	4.79E-15	0.486165	0.444	0.219	7.16E-11	DC	KDM6B
IFNGR2.3	4.92E-15	0.459857	0.594	0.386	7.35E-11	DC	IFNGR2
PRDM1.3	5.12E-15	0.403612	0.273	0.097	7.64E-11	DC	PRDM1
VMO1.3	5.36E-15	0.485638	0.369	0.156	8.01E-11	DC	VMO1
ATAT1.3	5.48E-15	-0.69337	0.027	0.293	8.18E-11	DC	ATAT1
NBEAL1.1	6.20E-15	0.231535	0.898	0.661	9.27E-11	DC	NBEAL1
CAMK1D.3	6.36E-15	0.511008	0.278	0.108	9.51E-11	DC	CAMK1D
TSPAN32	6.60E-15	0.202369	0.064	0.009	9.86E-11	DC	TSPAN32
CCRL2.3	7.10E-15	0.478298	0.251	0.086	1.06E-10	DC	CCRL2
SERPINB8	7.18E-15	0.431733	0.225	0.076	1.07E-10	DC	SERPINB8
CFL2.2	7.70E-15	-0.74568	0.053	0.332	1.15E-10	DC	CFL2
PPP1R15A	7.85E-15	0.400602	0.706	0.463	1.17E-10	DC	PPP1R15A
PKIG.3	7.86E-15	-0.71201	0.043	0.315	1.18E-10	DC	PKIG
ACRBP	8.22E-15	0.242672	0.075	0.011	1.23E-10	DC	ACRBP
ADAP2.3	8.25E-15	0.374443	0.422	0.18	1.23E-10	DC	ADAP2
SAT1.2	8.32E-15	0.179651	0.989	0.8	1.24E-10	DC	SAT1
ARID5A.1	8.67E-15	0.453084	0.508	0.286	1.30E-10	DC	ARID5A
KCNMB1.3	9.37E-15	0.391156	0.278	0.1	1.40E-10	DC	KCNMB1
DOCK8.3	9.77E-15	0.378159	0.31	0.118	1.46E-10	DC	DOCK8

S100A16.2	9.93E-15	-0.99795	0.043	0.311	1.48E-10	DC	S100A16
XBP1.3	1.02E-14	0.451996	0.599	0.367	1.53E-10	DC	XBP1
GLRX.2	1.07E-14	0.337863	0.652	0.384	1.60E-10	DC	GLRX
OXA1L.2	1.09E-14	0.432115	0.529	0.297	1.63E-10	DC	OXA1L
INSIG1.3	1.09E-14	0.556024	0.428	0.224	1.63E-10	DC	INSIG1
SNX20.2	1.12E-14	0.33172	0.16	0.043	1.67E-10	DC	SNX20
LRRK1	1.22E-14	0.270612	0.086	0.015	1.83E-10	DC	LRRK1
RP11-356I	1.23E-14	0.255164	0.102	0.02	1.84E-10	DC	RP11-356I2.4
TMEM71	1.26E-14	0.312439	0.112	0.024	1.88E-10	DC	TMEM71
ENG.3	1.31E-14	0.414606	0.374	0.162	1.95E-10	DC	ENG
DNER.1	1.35E-14	-0.80323	0.027	0.284	2.01E-10	DC	DNER
HOPX.2	1.36E-14	-1.10112	0.032	0.286	2.03E-10	DC	HOPX
M6PR.3	1.39E-14	0.410297	0.599	0.379	2.07E-10	DC	M6PR
NCOA4.3	1.39E-14	0.502918	0.471	0.259	2.08E-10	DC	NCOA4
PALD1.3	1.45E-14	0.389782	0.273	0.099	2.17E-10	DC	PALD1
CRMP1.2	1.48E-14	-0.75211	0.016	0.269	2.21E-10	DC	CRMP1
RGS13	1.51E-14	0.218439	0.075	0.012	2.26E-10	DC	RGS13
HIGD2A.2	1.59E-14	0.276107	0.824	0.615	2.37E-10	DC	HIGD2A
MTHFD2.2	1.81E-14	0.420882	0.519	0.285	2.70E-10	DC	MTHFD2
SH3TC1.3	1.85E-14	0.330281	0.235	0.077	2.76E-10	DC	SH3TC1
SNAP23.3	1.91E-14	0.456201	0.455	0.241	2.85E-10	DC	SNAP23
SPTBN1.1	1.95E-14	-0.63914	0.021	0.279	2.92E-10	DC	SPTBN1
FAM159A.2	2.15E-14	0.332874	0.16	0.043	3.21E-10	DC	FAM159A
UNC13D.2	2.28E-14	0.418684	0.166	0.047	3.40E-10	DC	UNC13D
DOCK2.3	2.52E-14	0.423709	0.225	0.075	3.77E-10	DC	DOCK2
ROCK1.3	2.82E-14	0.479761	0.508	0.305	4.22E-10	DC	ROCK1
FYB.3	2.87E-14	0.403237	0.476	0.219	4.28E-10	DC	FYB
LCP2.3	3.16E-14	0.402091	0.294	0.112	4.72E-10	DC	LCP2
LIMA1.2	3.22E-14	-0.71443	0.059	0.322	4.82E-10	DC	LIMA1
APBB1IP.3	3.25E-14	0.302327	0.38	0.153	4.86E-10	DC	APBB1IP
FOSB.2	3.33E-14	0.363135	0.668	0.387	4.97E-10	DC	FOSB
IMPA2.1	3.38E-14	0.346651	0.187	0.058	5.05E-10	DC	IMPA2
GNAI2.3	3.63E-14	0.39715	0.679	0.479	5.42E-10	DC	GNAI2
IL16.3	3.77E-14	0.369515	0.209	0.066	5.63E-10	DC	IL16
MAGED1.2	4.04E-14	-0.66154	0.075	0.349	6.04E-10	DC	MAGED1
FZD3	4.35E-14	-0.61527	0.027	0.28	6.50E-10	DC	FZD3
KCTD12.3	4.70E-14	0.437515	0.455	0.233	7.02E-10	DC	KCTD12
LILRB2.3	4.89E-14	0.378791	0.176	0.051	7.31E-10	DC	LILRB2
CXADR.3	4.94E-14	-0.68498	0.048	0.311	7.39E-10	DC	CXADR
ACSL5.2	5.17E-14	0.272894	0.134	0.033	7.73E-10	DC	ACSL5
GNAI3.3	5.46E-14	0.51003	0.374	0.177	8.15E-10	DC	GNAI3
PRKAG2.3	5.47E-14	0.439435	0.321	0.134	8.17E-10	DC	PRKAG2
DBNL.3	6.08E-14	0.429277	0.62	0.422	9.09E-10	DC	DBNL
HSD17B11.	6.15E-14	0.355482	0.626	0.373	9.19E-10	DC	HSD17B11
CD300E	6.34E-14	0.162655	0.064	0.009	9.47E-10	DC	CD300E
ZFP36.1	6.50E-14	0.236207	0.909	0.568	9.72E-10	DC	ZFP36
NCF1.3	6.80E-14	0.380268	0.31	0.12	1.02E-09	DC	NCF1
KRT18	7.08E-14	0.184147	0.053	0.007	1.06E-09	DC	KRT18
MILR1.3	7.21E-14	0.400757	0.262	0.096	1.08E-09	DC	MILR1
AP1S2.3	7.31E-14	0.39059	0.701	0.497	1.09E-09	DC	AP1S2
SCG2.2	8.17E-14	-0.78869	0.021	0.266	1.22E-09	DC	SCG2

KCNN4. 1	8. 27E-14	0. 306158	0. 128	0. 031	1. 24E-09	DC	KCNN4
MYL12B. 2	8. 71E-14	0. 20568	0. 904	0. 724	1. 30E-09	DC	MYL12B
LY96. 3	9. 00E-14	0. 404345	0. 439	0. 219	1. 34E-09	DC	LY96
EIF3M. 3	9. 28E-14	0. 334243	0. 722	0. 523	1. 39E-09	DC	EIF3M
EIF3K. 2	9. 38E-14	0. 198809	0. 952	0. 755	1. 40E-09	DC	EIF3K
RAP1A. 3	1. 03E-13	0. 322056	0. 727	0. 512	1. 54E-09	DC	RAP1A
SOX9. 2	1. 04E-13	-0. 6844	0. 027	0. 276	1. 55E-09	DC	SOX9
NRROS. 2	1. 18E-13	0. 389075	0. 203	0. 066	1. 76E-09	DC	NRROS
ANP32B. 3	1. 20E-13	0. 390607	0. 652	0. 446	1. 79E-09	DC	ANP32B
DENND3. 3	1. 24E-13	0. 332514	0. 267	0. 098	1. 85E-09	DC	DENND3
CADM4. 2	1. 24E-13	-0. 59944	0. 021	0. 267	1. 86E-09	DC	CADM4
SKAP2. 2	1. 34E-13	0. 36274	0. 513	0. 266	2. 00E-09	DC	SKAP2
ITGAX. 3	1. 36E-13	0. 403594	0. 246	0. 088	2. 03E-09	DC	ITGAX
ATP6V1B2. 1	1. 52E-13	0. 420179	0. 615	0. 405	2. 28E-09	DC	ATP6V1B2
CENPV. 3	1. 54E-13	-0. 66385	0. 021	0. 259	2. 30E-09	DC	CENPV
PELI1. 3	1. 69E-13	0. 517387	0. 406	0. 206	2. 52E-09	DC	PELI1
RNPEP. 3	1. 78E-13	0. 449803	0. 417	0. 221	2. 66E-09	DC	RNPEP
CTD-2006K	1. 81E-13	0. 190338	0. 027	0. 002	2. 71E-09	DC	CTD-2006K23. 1
TKT. 1	1. 87E-13	0. 345981	0. 695	0. 506	2. 79E-09	DC	TKT
TNFSF13B. 1	1. 89E-13	0. 379946	0. 428	0. 2	2. 82E-09	DC	TNFSF13B
NFE2L2. 2	1. 92E-13	0. 361243	0. 658	0. 465	2. 87E-09	DC	NFE2L2
UBB. 2	2. 21E-13	-0. 28097	0. 936	0. 91	3. 31E-09	DC	UBB
PER1. 2	2. 31E-13	0. 40203	0. 385	0. 181	3. 45E-09	DC	PER1
KLHDC8A. 3	2. 41E-13	-0. 62005	0. 016	0. 254	3. 60E-09	DC	KLHDC8A
CHST11. 3	2. 52E-13	0. 45203	0. 406	0. 21	3. 77E-09	DC	CHST11
CCR6	2. 77E-13	0. 228504	0. 053	0. 007	4. 14E-09	DC	CCR6
MIS18BP1. 2	2. 78E-13	0. 410818	0. 326	0. 144	4. 15E-09	DC	MIS18BP1
CD4. 3	2. 97E-13	0. 413151	0. 353	0. 152	4. 44E-09	DC	CD4
C16orf45. 3	3. 01E-13	-0. 56733	0. 059	0. 322	4. 50E-09	DC	C16orf45
MYCL	3. 02E-13	0. 272014	0. 112	0. 026	4. 52E-09	DC	MYCL
PIK3R5. 3	3. 02E-13	0. 296941	0. 16	0. 045	4. 52E-09	DC	PIK3R5
APOBEC3A. 3	3. 18E-13	0. 199268	0. 043	0. 005	4. 75E-09	DC	APOBEC3A
SNHG8. 1	3. 33E-13	0. 337668	0. 679	0. 465	4. 97E-09	DC	SNHG8
SGCB	3. 41E-13	-0. 66132	0. 07	0. 33	5. 10E-09	DC	SGCB
ETV1. 3	3. 43E-13	-0. 69778	0. 016	0. 248	5. 12E-09	DC	ETV1
CD300LF. 2	3. 44E-13	0. 361777	0. 155	0. 044	5. 14E-09	DC	CD300LF
EIF3E. 2	3. 49E-13	0. 23865	0. 813	0. 644	5. 21E-09	DC	EIF3E
CYSLTR1. 2	3. 86E-13	0. 285307	0. 107	0. 024	5. 77E-09	DC	CYSLTR1
UBE2D3. 2	3. 92E-13	0. 219559	0. 888	0. 725	5. 86E-09	DC	UBE2D3
PCBP4. 3	4. 06E-13	-0. 60664	0. 021	0. 259	6. 06E-09	DC	PCBP4
RHOF. 2	4. 24E-13	0. 370223	0. 166	0. 05	6. 33E-09	DC	RHOF
DPEP2. 2	4. 26E-13	0. 304503	0. 128	0. 032	6. 36E-09	DC	DPEP2
MT1M. 1	4. 36E-13	-0. 87151	0. 016	0. 247	6. 52E-09	DC	MT1M
QSOX1. 3	4. 38E-13	0. 456299	0. 422	0. 233	6. 54E-09	DC	QSOX1
ENAH. 2	4. 67E-13	-0. 55676	0. 027	0. 268	6. 98E-09	DC	ENAH
NFAM1. 2	5. 00E-13	0. 324546	0. 128	0. 032	7. 47E-09	DC	NFAM1
ZNF467. 2	5. 07E-13	0. 302002	0. 128	0. 032	7. 57E-09	DC	ZNF467
VDR	5. 36E-13	0. 292519	0. 08	0. 015	8. 00E-09	DC	VDR
LINC00528	5. 37E-13	0. 139201	0. 048	0. 006	8. 02E-09	DC	LINC00528
PCDH9. 1	5. 47E-13	-0. 71144	0. 021	0. 259	8. 17E-09	DC	PCDH9
SDCBP. 1	5. 52E-13	0. 21902	0. 92	0. 725	8. 25E-09	DC	SDCBP

RP11-796E	5.53E-13	0.498147	0.193	0.063	8.26E-09	DC	RP11-796E2.4
FTH1.3	5.55E-13	-0.19185	0.989	0.932	8.30E-09	DC	FTH1
PPP1CA.2	5.59E-13	0.329682	0.754	0.568	8.35E-09	DC	PPP1CA
CD01.3	5.87E-13	-0.69881	0.011	0.238	8.78E-09	DC	CD01
TSPAN5.3	6.01E-13	-0.56377	0.027	0.266	8.98E-09	DC	TSPAN5
GHITM.2	6.50E-13	0.304443	0.711	0.52	9.71E-09	DC	GHITM
DENND1C.2	6.50E-13	0.240173	0.128	0.032	9.71E-09	DC	DENND1C
SPNS3.2	7.10E-13	0.278886	0.102	0.022	1.06E-08	DC	SPNS3
STK4.3	7.44E-13	0.447541	0.481	0.284	1.11E-08	DC	STK4
TCF4.3	8.13E-13	-0.61505	0.283	0.527	1.21E-08	DC	TCF4
RND3.2	8.18E-13	-0.7227	0.016	0.246	1.22E-08	DC	RND3
CHPF.2	8.36E-13	-0.55823	0.027	0.262	1.25E-08	DC	CHPF
RIC3.1	8.57E-13	-0.70668	0.011	0.234	1.28E-08	DC	RIC3
SRI.3	9.10E-13	-0.50135	0.578	0.731	1.36E-08	DC	SRI
EDEM1.2	9.12E-13	0.411802	0.214	0.077	1.36E-08	DC	EDEM1
C12orf57.	9.35E-13	-0.59181	0.267	0.541	1.40E-08	DC	C12orf57
HEY1.2	1.03E-12	-0.63693	0.021	0.25	1.53E-08	DC	HEY1
SUSD3.3	1.03E-12	0.34817	0.251	0.093	1.54E-08	DC	SUSD3
CPE.2	1.04E-12	-0.69489	0.134	0.394	1.55E-08	DC	CPE
SNX10.2	1.05E-12	0.449984	0.417	0.225	1.57E-08	DC	SNX10
TMEM59L.2	1.13E-12	-0.5677	0.027	0.262	1.68E-08	DC	TMEM59L
GPC1.2	1.13E-12	-0.69314	0.016	0.24	1.68E-08	DC	GPC1
CAPZB.2	1.26E-12	0.200293	0.898	0.698	1.88E-08	DC	CAPZB
EGFR.2	1.29E-12	-0.71017	0.059	0.304	1.93E-08	DC	EGFR
CTTN.2	1.30E-12	-0.57189	0.011	0.233	1.94E-08	DC	CTTN
DBN1.3	1.32E-12	-0.60173	0.07	0.315	1.98E-08	DC	DBN1
MANBAL.3	1.34E-12	-0.56387	0.08	0.339	2.00E-08	DC	MANBAL
HPS1.2	1.37E-12	0.359939	0.273	0.108	2.05E-08	DC	HPS1
HSP90AA1.	1.42E-12	-0.29678	0.877	0.888	2.13E-08	DC	HSP90AA1
ATP5C1.2	1.53E-12	0.269062	0.759	0.584	2.28E-08	DC	ATP5C1
IL17RA.3	1.54E-12	0.439219	0.278	0.117	2.30E-08	DC	IL17RA
PGRMC1.1	1.62E-12	-0.53	0.182	0.451	2.42E-08	DC	PGRMC1
SH2B3.3	1.64E-12	0.477945	0.262	0.106	2.45E-08	DC	SH2B3
RAP1B.2	1.64E-12	0.33131	0.62	0.431	2.45E-08	DC	RAP1B
CECR1.3	1.69E-12	0.321329	0.203	0.069	2.52E-08	DC	CECR1
METRN.3	1.75E-12	-0.68058	0.064	0.298	2.61E-08	DC	METRN
NREP.2	1.91E-12	-0.6235	0.043	0.276	2.86E-08	DC	NREP
CSRP2.1	1.92E-12	-0.90429	0.064	0.305	2.87E-08	DC	CSRP2
PTPRS.3	1.95E-12	-0.6279	0.032	0.262	2.92E-08	DC	PTPRS
ZNF302.2	1.96E-12	-0.57077	0.064	0.319	2.93E-08	DC	ZNF302
PTPN1.3	1.97E-12	0.524492	0.401	0.229	2.95E-08	DC	PTPN1
CDC42SE2.	2.01E-12	0.484819	0.396	0.216	3.01E-08	DC	CDC42SE2
MIR22HG.2	2.11E-12	0.436394	0.267	0.111	3.15E-08	DC	MIR22HG
GTF2B.2	2.11E-12	0.431775	0.503	0.297	3.15E-08	DC	GTF2B
POU3F2.2	2.27E-12	-0.59774	0.005	0.219	3.40E-08	DC	POU3F2
POLD4.1	2.30E-12	0.324796	0.642	0.417	3.44E-08	DC	POLD4
ITSN2.3	2.32E-12	0.411864	0.358	0.179	3.46E-08	DC	ITSN2
MT1F.3	2.41E-12	-0.66185	0.064	0.309	3.61E-08	DC	MT1F
OTUD1.3	2.51E-12	0.357858	0.251	0.096	3.75E-08	DC	OTUD1
HNRNPF.2	2.54E-12	0.314012	0.684	0.505	3.79E-08	DC	HNRNPF
TNFAIP8L2	2.71E-12	0.344594	0.246	0.092	4.04E-08	DC	TNFAIP8L2

DNAJC15.1	2.76E-12	0.383737	0.578	0.387	4.13E-08	DC	DNAJC15
PTPN7.3	2.91E-12	0.407078	0.214	0.076	4.35E-08	DC	PTPN7
LRRC25.3	3.03E-12	0.367031	0.241	0.09	4.53E-08	DC	LRRC25
CHN1.2	3.09E-12	-0.52537	0.005	0.219	4.62E-08	DC	CHN1
LRCH4.3	3.12E-12	0.459986	0.369	0.185	4.67E-08	DC	LRCH4
KCNQ2.2	3.20E-12	-0.57333	0.005	0.218	4.78E-08	DC	KCNQ2
EPN2.3	3.24E-12	-0.4715	0.016	0.241	4.84E-08	DC	EPN2
TRIM2.1	3.36E-12	-0.55503	0.011	0.227	5.01E-08	DC	TRIM2
FAM127B.2	3.52E-12	-0.64997	0.064	0.304	5.26E-08	DC	FAM127B
LMO4.3	3.62E-12	-0.57133	0.23	0.482	5.41E-08	DC	LMO4
ALOX15B.2	3.76E-12	0.254674	0.107	0.025	5.62E-08	DC	ALOX15B
CHPT1.2	3.77E-12	0.501285	0.476	0.3	5.64E-08	DC	CHPT1
OSCAR.3	3.78E-12	0.369719	0.203	0.07	5.64E-08	DC	OSCAR
INHBA	4.17E-12	0.366915	0.091	0.019	6.23E-08	DC	INHBA
TMEM161B-	4.36E-12	-0.6689	0.059	0.293	6.51E-08	DC	TMEM161B-AS1
TRIB2.3	4.37E-12	-0.59111	0.037	0.266	6.53E-08	DC	TRIB2
GRIA2.2	4.39E-12	-0.58197	0.005	0.215	6.56E-08	DC	GRIA2
CYTH4.3	4.46E-12	0.313013	0.278	0.109	6.66E-08	DC	CYTH4
IL7R.3	4.70E-12	0.374024	0.166	0.052	7.02E-08	DC	IL7R
TSPAN13.3	4.82E-12	-0.63619	0.064	0.303	7.20E-08	DC	TSPAN13
AC016831.	5.10E-12	0.341816	0.198	0.069	7.63E-08	DC	AC016831.7
FAM181B.3	5.11E-12	-0.60466	0	0.207	7.64E-08	DC	FAM181B
SP140.2	5.15E-12	0.249052	0.118	0.029	7.70E-08	DC	SP140
POLR1D.2	5.39E-12	0.416981	0.594	0.412	8.05E-08	DC	POLR1D
WIPF1.3	5.49E-12	0.41917	0.406	0.217	8.20E-08	DC	WIPF1
ADPGK.3	5.72E-12	0.40496	0.455	0.258	8.54E-08	DC	ADPGK
NRCAM.2	5.80E-12	-0.57743	0.043	0.273	8.67E-08	DC	NRCAM
SLC22A17.	5.81E-12	-0.57093	0.053	0.288	8.68E-08	DC	SLC22A17
LTA4H.2	6.01E-12	0.498859	0.412	0.226	8.98E-08	DC	LTA4H
ERP44.1	6.13E-12	0.321548	0.599	0.392	9.16E-08	DC	ERP44
FKBP10.3	6.33E-12	-0.53754	0.005	0.215	9.46E-08	DC	FKBP10
BNIP2.3	6.61E-12	0.449561	0.444	0.261	9.88E-08	DC	BNIP2
FJX1.2	6.63E-12	-0.58189	0	0.205	9.90E-08	DC	FJX1
CHP1.3	6.98E-12	0.475628	0.406	0.232	1.04E-07	DC	CHP1
MT2A.3	6.98E-12	-0.6852	0.727	0.785	1.04E-07	DC	MT2A
ATP6VOD1.	7.22E-12	0.355892	0.69	0.507	1.08E-07	DC	ATP6VOD1
TMEM98.1	7.26E-12	-0.60358	0.021	0.238	1.09E-07	DC	TMEM98
NDUFA4.2	7.56E-12	-0.27561	0.941	0.894	1.13E-07	DC	NDUFA4
LY75	7.86E-12	0.174281	0.08	0.016	1.18E-07	DC	LY75
NLRP1.2	8.59E-12	-0.55311	0.091	0.343	1.28E-07	DC	NLRP1
TBC1D22A.	8.60E-12	0.461845	0.273	0.12	1.29E-07	DC	TBC1D22A
FIBIN.2	8.75E-12	-0.65208	0.016	0.23	1.31E-07	DC	FIBIN
GPB1.1	8.82E-12	0.179442	0.048	0.006	1.32E-07	DC	GPB1
CFLAR.2	9.36E-12	0.415963	0.503	0.316	1.40E-07	DC	CFLAR
AP1G2.2	9.42E-12	0.268245	0.16	0.049	1.41E-07	DC	AP1G2
GCSH.3	9.44E-12	-0.55127	0.107	0.351	1.41E-07	DC	GCSH
RBFOX2.2	1.01E-11	-0.56253	0.011	0.219	1.50E-07	DC	RBFOX2
CYB5R4.3	1.02E-11	0.476625	0.342	0.173	1.52E-07	DC	CYB5R4
TTYH1.3	1.04E-11	-0.72651	0.048	0.271	1.56E-07	DC	TTYH1
RBM47.3	1.06E-11	0.434171	0.267	0.114	1.59E-07	DC	RBM47
FNDC4.1	1.07E-11	-0.48081	0	0.201	1.60E-07	DC	FNDC4

ATG16L2.3	1.10E-11	0.329932	0.225	0.085	1.64E-07	DC	ATG16L2
EMILIN2.3	1.14E-11	0.385748	0.209	0.078	1.71E-07	DC	EMILIN2
PBX1.2	1.35E-11	-0.5149	0.011	0.218	2.02E-07	DC	PBX1
DCX.3	1.39E-11	-0.6732	0.005	0.208	2.08E-07	DC	DCX
HES6.2	1.48E-11	-0.72912	0.064	0.289	2.21E-07	DC	HES6
DUSP1.3	1.48E-11	0.310005	0.84	0.57	2.22E-07	DC	DUSP1
NAE1.1	1.49E-11	-0.53936	0.096	0.344	2.23E-07	DC	NAE1
DEPTOR.1	1.49E-11	0.31066	0.144	0.042	2.23E-07	DC	DEPTOR
FGD4.3	1.53E-11	0.434947	0.316	0.144	2.29E-07	DC	FGD4
PTGS1.3	1.63E-11	0.393318	0.332	0.153	2.44E-07	DC	PTGS1
CBFA2T3	1.78E-11	0.130213	0.043	0.005	2.66E-07	DC	CBFA2T3
MEIS2.2	1.82E-11	-0.64181	0.005	0.207	2.72E-07	DC	MEIS2
REEP2.1	1.94E-11	-0.46186	0.005	0.205	2.89E-07	DC	REEP2
PTRHD1	2.02E-11	0.418423	0.492	0.316	3.02E-07	DC	PTRHD1
CBR1.2	2.03E-11	-0.58076	0.225	0.48	3.04E-07	DC	CBR1
LAIR1.3	2.09E-11	0.321222	0.455	0.227	3.12E-07	DC	LAIR1
MAP1LC3A.	2.11E-11	-0.56125	0.128	0.369	3.15E-07	DC	MAP1LC3A
PHF14.2	2.15E-11	-0.50468	0.166	0.427	3.21E-07	DC	PHF14
AP2S1.2	2.18E-11	0.254252	0.824	0.658	3.25E-07	DC	AP2S1
NLRP2	2.29E-11	0.113048	0.048	0.006	3.42E-07	DC	NLRP2
CACUL1.3	2.33E-11	0.461107	0.374	0.203	3.49E-07	DC	CACUL1
CTSW.2	2.37E-11	0.218487	0.112	0.028	3.55E-07	DC	CTSW
PDCL3.2	2.38E-11	0.451503	0.465	0.29	3.55E-07	DC	PDCL3
SYT11.3	2.40E-11	-0.55073	0.139	0.388	3.59E-07	DC	SYT11
TNNI2.2	2.42E-11	0.288992	0.086	0.018	3.62E-07	DC	TNNI2
SLC43A2.3	2.59E-11	0.43704	0.428	0.243	3.87E-07	DC	SLC43A2
HVCN1.3	2.64E-11	0.460242	0.235	0.094	3.95E-07	DC	HVCN1
COL6A1.2	2.68E-11	-0.56458	0.021	0.232	4.01E-07	DC	COL6A1
CKAP4.1	2.72E-11	-0.46178	0.011	0.213	4.06E-07	DC	CKAP4
MB21D2.2	2.73E-11	0.344885	0.16	0.052	4.08E-07	DC	MB21D2
MSI2.1	2.75E-11	-0.60653	0.096	0.325	4.11E-07	DC	MSI2
PGM2L1.2	2.97E-11	-0.57862	0.043	0.259	4.44E-07	DC	PGM2L1
SHKBP1.3	3.22E-11	0.423845	0.406	0.234	4.81E-07	DC	SHKBP1
RAB3IP.1	3.37E-11	-0.622	0.037	0.25	5.04E-07	DC	RAB3IP
POMC.3	3.42E-11	0.324017	0.15	0.045	5.11E-07	DC	POMC
SEMA6A.2	3.49E-11	-0.48338	0.005	0.203	5.21E-07	DC	SEMA6A
CHD7.3	3.82E-11	-0.57628	0.07	0.292	5.70E-07	DC	CHD7
TBC1D10C.	3.96E-11	0.263275	0.112	0.029	5.91E-07	DC	TBC1D10C
CTA-384D8	4.06E-11	0.270146	0.096	0.023	6.06E-07	DC	CTA-384D8.34
EBI3.3	4.21E-11	0.320719	0.241	0.094	6.30E-07	DC	EBI3
NR1H2.3	4.24E-11	0.422621	0.471	0.301	6.34E-07	DC	NR1H2
NCKAP1.1	4.34E-11	-0.44063	0	0.191	6.48E-07	DC	NCKAP1
FMNL2.3	4.34E-11	-0.51054	0.048	0.269	6.49E-07	DC	FMNL2
CD79B	4.36E-11	0.175111	0.043	0.005	6.51E-07	DC	CD79B
RHOA.1	4.39E-11	0.180209	0.92	0.752	6.57E-07	DC	RHOA
MT1X.3	4.55E-11	-0.90276	0.364	0.581	6.80E-07	DC	MT1X
TMEM54.1	4.86E-11	-0.46275	0.005	0.198	7.26E-07	DC	TMEM54
S100Z	5.12E-11	0.208774	0.064	0.011	7.65E-07	DC	S100Z
HPRT1.3	5.19E-11	0.375466	0.417	0.227	7.76E-07	DC	HPRT1
SLAIN1.3	5.29E-11	-0.59417	0.011	0.206	7.91E-07	DC	SLAIN1
SCOC.2	5.32E-11	-0.52564	0.171	0.418	7.95E-07	DC	SCOC



Clorf122	5.46E-11	-0.54577	0.251	0.492	8.16E-07	DC	Clorf122
PRKCD.3	5.55E-11	0.340873	0.209	0.078	8.30E-07	DC	PRKCD
MSR1.3	5.90E-11	0.351703	0.374	0.177	8.82E-07	DC	MSR1
FOXN3.3	5.99E-11	0.378953	0.439	0.252	8.95E-07	DC	FOXN3
ASCL1.2	6.37E-11	-0.61918	0	0.189	9.53E-07	DC	ASCL1
WBP1L.3	6.54E-11	0.377371	0.251	0.107	9.78E-07	DC	WBP1L
RUFY3.2	6.57E-11	-0.51694	0.08	0.309	9.82E-07	DC	RUFY3
KLHL6.3	6.67E-11	0.271698	0.155	0.049	9.97E-07	DC	KLHL6
NAALADL1	6.82E-11	0.284256	0.08	0.017	1.02E-06	DC	NAALADL1
KIF1B.2	7.30E-11	-0.53935	0.075	0.297	1.09E-06	DC	KIF1B
TMEM106B	7.32E-11	-0.55963	0.102	0.334	1.09E-06	DC	TMEM106B
TNFSF14	7.38E-11	0.197915	0.059	0.01	1.10E-06	DC	TNFSF14
ANKRD44.2	7.61E-11	0.265414	0.235	0.093	1.14E-06	DC	ANKRD44
SOCS3.2	7.87E-11	0.360296	0.556	0.345	1.18E-06	DC	SOCS3
KIAA0513	8.29E-11	0.37195	0.139	0.043	1.24E-06	DC	KIAA0513
NIPAL2	8.34E-11	0.249587	0.07	0.013	1.25E-06	DC	NIPAL2
MXD1.2	8.38E-11	0.416789	0.278	0.126	1.25E-06	DC	MXD1
PSME1.2	8.61E-11	0.203661	0.781	0.58	1.29E-06	DC	PSME1
GALNT3	8.84E-11	0.170154	0.043	0.006	1.32E-06	DC	GALNT3
F3.3	9.12E-11	-0.5585	0.005	0.194	1.36E-06	DC	F3
PICK1.2	9.25E-11	0.404289	0.214	0.086	1.38E-06	DC	PICK1
S100A9.3	9.37E-11	0.397255	0.417	0.221	1.40E-06	DC	S100A9
NDFIP2.1	9.51E-11	-0.48657	0.005	0.195	1.42E-06	DC	NDFIP2
PNRC1.3	9.96E-11	0.318687	0.706	0.537	1.49E-06	DC	PNRC1
PSRC1.1	9.97E-11	-0.6052	0.053	0.267	1.49E-06	DC	PSRC1
MYD88.1	1.01E-10	0.460848	0.273	0.128	1.52E-06	DC	MYD88
PABPC3	1.02E-10	0.250548	0.096	0.023	1.53E-06	DC	PABPC3
ID4.2	1.03E-10	-0.62491	0.021	0.218	1.53E-06	DC	ID4
RP11-620J	1.07E-10	-0.64613	0.059	0.273	1.60E-06	DC	RP11-620J15.3
RP11-553L	1.09E-10	-0.47322	0.027	0.229	1.63E-06	DC	RP11-553L6.5
C1QA.3	1.09E-10	0.224199	0.824	0.533	1.63E-06	DC	C1QA
MARCH1.3	1.10E-10	0.367676	0.374	0.187	1.64E-06	DC	1-Mar
NFKBIZ.3	1.11E-10	0.402809	0.342	0.172	1.66E-06	DC	NFKBIZ
SEMA4A.3	1.12E-10	0.329533	0.15	0.048	1.67E-06	DC	SEMA4A
PSMB10.3	1.12E-10	0.414196	0.444	0.252	1.67E-06	DC	PSMB10
DKK3.1	1.12E-10	-0.47449	0.011	0.203	1.68E-06	DC	DKK3
RDX.2	1.14E-10	-0.48645	0.251	0.494	1.70E-06	DC	RDX
APO01055.	1.15E-10	0.318455	0.209	0.078	1.72E-06	DC	APO01055.6
JAM2.3	1.15E-10	-0.54386	0.043	0.256	1.72E-06	DC	JAM2
MRFAP1.2	1.15E-10	-0.46016	0.481	0.674	1.72E-06	DC	MRFAP1
PCDH17.1	1.20E-10	-0.47531	0.005	0.194	1.79E-06	DC	PCDH17
MAPK8IP1.	1.21E-10	-0.49417	0.005	0.194	1.80E-06	DC	MAPK8IP1
SIGLEC7.3	1.21E-10	0.329679	0.198	0.072	1.81E-06	DC	SIGLEC7
CSF2RB.2	1.24E-10	0.220316	0.096	0.023	1.85E-06	DC	CSF2RB
RGMA.2	1.28E-10	-0.50216	0.011	0.203	1.92E-06	DC	RGMA
BCAN.3	1.40E-10	-0.78164	0.07	0.279	2.10E-06	DC	BCAN
HAUS4.3	1.43E-10	0.389621	0.171	0.059	2.14E-06	DC	HAUS4
MYO6.1	1.44E-10	-0.49759	0.027	0.228	2.15E-06	DC	MYO6
GAMT.3	1.45E-10	-0.46512	0.075	0.303	2.17E-06	DC	GAMT
TAGLN3.2	1.47E-10	-0.65207	0.005	0.191	2.20E-06	DC	TAGLN3
TTLL7.3	1.48E-10	-0.45715	0.032	0.241	2.21E-06	DC	TTLL7

MAGEF1. 2	1. 50E-10	-0. 4873	0. 128	0. 367	2. 25E-06	DC	MAGEF1
MAGI1. 3	1. 51E-10	-0. 52145	0. 011	0. 2	2. 26E-06	DC	MAGI1
HBA2. 2	1. 64E-10	0. 312234	0. 369	0. 195	2. 45E-06	DC	HBA2
CXCL2. 1	1. 66E-10	0. 342139	0. 219	0. 084	2. 48E-06	DC	CXCL2
DDOST. 1	1. 66E-10	0. 313004	0. 631	0. 462	2. 48E-06	DC	DDOST
FUOM. 3	1. 67E-10	0. 383427	0. 299	0. 138	2. 50E-06	DC	FUOM
HEPN1. 2	1. 71E-10	-0. 64999	0. 016	0. 207	2. 56E-06	DC	HEPN1
H2AFJ. 3	1. 74E-10	0. 400672	0. 439	0. 256	2. 60E-06	DC	H2AFJ
RP11-442H	1. 83E-10	0. 249679	0. 059	0. 01	2. 73E-06	DC	RP11-442H21. 2
MEX3A. 2	1. 84E-10	-0. 49438	0	0. 181	2. 75E-06	DC	MEX3A
PICALM. 3	1. 84E-10	0. 434819	0. 455	0. 278	2. 76E-06	DC	PICALM
WASF2. 3	1. 85E-10	0. 290684	0. 626	0. 435	2. 77E-06	DC	WASF2
TET2. 2	1. 87E-10	0. 387387	0. 214	0. 086	2. 79E-06	DC	TET2
GNGT2. 3	1. 89E-10	0. 30727	0. 155	0. 051	2. 82E-06	DC	GNGT2
DEXI. 1	1. 89E-10	-0. 4249	0. 016	0. 21	2. 82E-06	DC	DEXI
PSAT1. 2	1. 91E-10	-0. 57548	0. 016	0. 206	2. 85E-06	DC	PSAT1
FMNL3. 3	1. 95E-10	0. 3811	0. 198	0. 075	2. 91E-06	DC	FMNL3
KNOP1. 2	2. 14E-10	-0. 50264	0. 053	0. 263	3. 20E-06	DC	KNOP1
EFEMP2. 1	2. 24E-10	-0. 47557	0. 021	0. 217	3. 35E-06	DC	EFEMP2
PIP4K2A. 3	2. 24E-10	0. 378191	0. 289	0. 135	3. 35E-06	DC	PIP4K2A
MGAT4A. 3	2. 47E-10	0. 336258	0. 417	0. 217	3. 70E-06	DC	MGAT4A
TM7SF2. 2	2. 65E-10	-0. 44325	0. 032	0. 234	3. 96E-06	DC	TM7SF2
CD7. 2	2. 65E-10	0. 194681	0. 139	0. 042	3. 96E-06	DC	CD7
TRAF4. 2	2. 71E-10	-0. 44401	0. 059	0. 272	4. 05E-06	DC	TRAF4
CLU. 3	2. 72E-10	-0. 62948	0. 69	0. 784	4. 07E-06	DC	CLU
VGLL4. 1	2. 77E-10	-0. 47715	0. 096	0. 321	4. 13E-06	DC	VGLL4
S100A8. 3	2. 80E-10	0. 372642	0. 364	0. 182	4. 18E-06	DC	S100A8
NAMPT. 3	2. 83E-10	0. 145918	0. 674	0. 434	4. 22E-06	DC	NAMPT
PPIC. 1	2. 88E-10	-0. 50654	0. 005	0. 186	4. 30E-06	DC	PPIC
RAMP1. 2	2. 95E-10	-0. 81032	0. 193	0. 415	4. 40E-06	DC	RAMP1
PAFAH1B3. 3	3. 06E-10	-0. 46775	0. 187	0. 428	4. 57E-06	DC	PAFAH1B3
CHD1. 3	3. 18E-10	0. 471152	0. 444	0. 29	4. 75E-06	DC	CHD1
SV2A. 1	3. 25E-10	-0. 42486	0. 016	0. 205	4. 85E-06	DC	SV2A
AK1. 1	3. 37E-10	-0. 51035	0. 107	0. 339	5. 04E-06	DC	AK1
IL15. 1	3. 54E-10	0. 261129	0. 123	0. 036	5. 29E-06	DC	IL15
CRYAB. 3	3. 55E-10	-0. 95487	0. 289	0. 503	5. 31E-06	DC	CRYAB
KMO	3. 59E-10	0. 2157	0. 08	0. 018	5. 36E-06	DC	KMO
CCDC57. 3	3. 67E-10	0. 424186	0. 241	0. 105	5. 49E-06	DC	CCDC57
CMTM3. 3	3. 78E-10	0. 400051	0. 487	0. 321	5. 65E-06	DC	CMTM3
NRN1. 1	3. 91E-10	-0. 54447	0. 048	0. 257	5. 84E-06	DC	NRN1
PPP2R2B. 2	4. 07E-10	-0. 53098	0. 027	0. 222	6. 09E-06	DC	PPP2R2B
HRAS. 3	4. 11E-10	-0. 4584	0. 08	0. 297	6. 14E-06	DC	HRAS
PVRL2. 3	4. 14E-10	0. 458441	0. 401	0. 241	6. 19E-06	DC	PVRL2
MYADM. 2	4. 22E-10	0. 371177	0. 353	0. 19	6. 31E-06	DC	MYADM
RP11-108M	4. 31E-10	0. 374172	0. 235	0. 1	6. 45E-06	DC	RP11-108M9. 4
ZFAND5. 3	4. 61E-10	0. 358144	0. 604	0. 46	6. 89E-06	DC	ZFAND5
DSEL. 3	4. 74E-10	-0. 50474	0. 032	0. 228	7. 08E-06	DC	DSEL
TGFB1. 3	4. 80E-10	0. 371715	0. 417	0. 242	7. 17E-06	DC	TGFB1
PSIP1. 3	4. 84E-10	-0. 4752	0. 155	0. 387	7. 23E-06	DC	PSIP1
EIF3H. 1	4. 88E-10	0. 223895	0. 813	0. 666	7. 29E-06	DC	EIF3H
EIF3D. 2	4. 93E-10	0. 300091	0. 636	0. 474	7. 37E-06	DC	EIF3D

KBTBD8. 1	4. 96E-10	0. 24967	0. 107	0. 029	7. 41E-06	DC	KBTBD8
GTF3A. 3	4. 97E-10	0. 317336	0. 652	0. 502	7. 43E-06	DC	GTF3A
TAX1BP3. 2	4. 98E-10	0. 374594	0. 545	0. 379	7. 45E-06	DC	TAX1BP3
POP7. 2	5. 05E-10	-0. 48137	0. 16	0. 398	7. 55E-06	DC	POP7
MAP4K4. 1	5. 14E-10	-0. 46317	0. 048	0. 251	7. 67E-06	DC	MAP4K4
ITGB8. 1	5. 28E-10	-0. 43667	0. 043	0. 243	7. 89E-06	DC	ITGB8
NANS. 3	5. 32E-10	0. 316099	0. 551	0. 357	7. 95E-06	DC	NANS
CSDE1. 3	5. 41E-10	0. 247336	0. 749	0. 599	8. 08E-06	DC	CSDE1
CD69. 3	5. 52E-10	0. 248845	0. 332	0. 15	8. 24E-06	DC	CD69
GLIPR2. 2	5. 67E-10	0. 425886	0. 433	0. 266	8. 47E-06	DC	GLIPR2
KHDRBS3. 3	5. 76E-10	-0. 47139	0. 027	0. 218	8. 61E-06	DC	KHDRBS3
PPIAL4G	5. 81E-10	0. 123438	0. 043	0. 006	8. 68E-06	DC	PPIAL4G
TCEA2. 2	5. 84E-10	-0. 51319	0. 144	0. 372	8. 72E-06	DC	TCEA2
APC. 3	5. 94E-10	-0. 4556	0. 027	0. 216	8. 87E-06	DC	APC
DCK. 3	5. 99E-10	0. 387488	0. 433	0. 263	8. 96E-06	DC	DCK
DYNLL1. 2	6. 02E-10	-0. 30595	0. 824	0. 836	9. 00E-06	DC	DYNLL1
PJA2. 2	6. 12E-10	-0. 48	0. 118	0. 339	9. 15E-06	DC	PJA2
TRIM9. 2	6. 28E-10	-0. 42947	0. 037	0. 236	9. 38E-06	DC	TRIM9
ANXA7. 2	6. 36E-10	0. 365976	0. 508	0. 336	9. 50E-06	DC	ANXA7
HSD11B1L. 6	5. 2E-10	-0. 417	0. 021	0. 208	9. 74E-06	DC	HSD11B1L
OLIG2. 2	6. 59E-10	-0. 57873	0. 005	0. 181	9. 85E-06	DC	OLIG2
SLC7A5. 3	6. 60E-10	0. 405079	0. 289	0. 136	9. 86E-06	DC	SLC7A5
PLS3. 2	6. 88E-10	-0. 51839	0. 032	0. 224	1. 03E-05	DC	PLS3
C10orf11. 6	9. 5E-10	0. 325884	0. 235	0. 099	1. 04E-05	DC	C10orf11
EMB. 3	7. 00E-10	0. 362092	0. 193	0. 073	1. 05E-05	DC	EMB
GGA2. 3	7. 14E-10	0. 334955	0. 289	0. 137	1. 07E-05	DC	GGA2
SP110. 2	7. 36E-10	0. 330733	0. 364	0. 195	1. 10E-05	DC	SP110
SDC3. 1	7. 98E-10	-0. 50087	0. 016	0. 199	1. 19E-05	DC	SDC3
SOX8. 3	8. 05E-10	-0. 53047	0. 005	0. 18	1. 20E-05	DC	SOX8
SCRG1. 2	8. 12E-10	-0. 66874	0. 139	0. 349	1. 21E-05	DC	SCRG1
TMEM39A. 1	8. 26E-10	0. 361618	0. 214	0. 089	1. 23E-05	DC	TMEM39A
CNDP2. 3	8. 69E-10	0. 310794	0. 588	0. 428	1. 30E-05	DC	CNDP2
FARP1. 1	8. 76E-10	-0. 43473	0. 011	0. 189	1. 31E-05	DC	FARP1
RNF24	8. 77E-10	-0. 42673	0. 048	0. 252	1. 31E-05	DC	RNF24
ALCAM. 3	8. 78E-10	0. 409019	0. 353	0. 193	1. 31E-05	DC	ALCAM
ACY3	8. 79E-10	0. 26383	0. 08	0. 018	1. 31E-05	DC	ACY3
FCGR3A. 3	8. 81E-10	0. 255161	0. 61	0. 337	1. 32E-05	DC	FCGR3A
MYO10. 2	8. 92E-10	-0. 47165	0. 016	0. 197	1. 33E-05	DC	MYO10
SPAG16. 3	9. 00E-10	-0. 49747	0. 086	0. 299	1. 34E-05	DC	SPAG16
RP3-47704	9. 10E-10	0. 277673	0. 102	0. 027	1. 36E-05	DC	RP3-47704. 14
IP6K2. 2	9. 39E-10	-0. 53335	0. 203	0. 438	1. 40E-05	DC	IP6K2
MAPK10. 2	9. 62E-10	-0. 45435	0. 016	0. 198	1. 44E-05	DC	MAPK10
GIT2. 3	9. 80E-10	0. 37857	0. 299	0. 151	1. 46E-05	DC	GIT2
RP11-110C	9. 82E-10	0. 19893	0. 07	0. 014	1. 47E-05	DC	RP11-1100L3. 8
BMP7. 3	9. 90E-10	-0. 43038	0	0. 168	1. 48E-05	DC	BMP7
PTPRA. 2	1. 02E-09	-0. 45786	0. 134	0. 358	1. 52E-05	DC	PTPRA
HNRNPA1L2	1. 04E-09	0. 410194	0. 353	0. 198	1. 55E-05	DC	HNRNPA1L2
PTRF. 3	1. 09E-09	-0. 45377	0. 011	0. 188	1. 63E-05	DC	PTRF
PNMA1. 2	1. 11E-09	-0. 43683	0. 075	0. 287	1. 65E-05	DC	PNMA1
ATG3. 3	1. 12E-09	0. 337392	0. 524	0. 375	1. 67E-05	DC	ATG3
IL1RN. 3	1. 13E-09	0. 346127	0. 193	0. 073	1. 69E-05	DC	IL1RN

LARP6. 2	1. 15E-09	-0. 48184	0. 016	0. 196	1. 71E-05	DC	LARP6
PPP2CB. 3	1. 15E-09	-0. 46748	0. 091	0. 3	1. 72E-05	DC	PPP2CB
PGAP1. 2	1. 21E-09	-0. 42233	0. 011	0. 186	1. 80E-05	DC	PGAP1
JOSD1. 3	1. 24E-09	0. 462465	0. 299	0. 155	1. 85E-05	DC	JOSD1
HMGA1. 3	1. 27E-09	0. 389129	0. 497	0. 343	1. 90E-05	DC	HMGA1
EIF4A3. 3	1. 28E-09	0. 370201	0. 594	0. 447	1. 91E-05	DC	EIF4A3
NME1-NME2	1. 33E-09	0. 364419	0. 214	0. 092	1. 99E-05	DC	NME1-NME2
BST2. 2	1. 35E-09	0. 1911	0. 781	0. 481	2. 01E-05	DC	BST2
SYNE2. 3	1. 35E-09	-0. 43096	0. 005	0. 177	2. 02E-05	DC	SYNE2
RAC3. 2	1. 35E-09	-0. 3885	0. 011	0. 186	2. 02E-05	DC	RAC3
MS4A4E	1. 39E-09	0. 118477	0. 021	0. 002	2. 08E-05	DC	MS4A4E
WLS. 1	1. 39E-09	-0. 45561	0. 032	0. 217	2. 08E-05	DC	WLS
DNAJB2. 2	1. 39E-09	-0. 42746	0. 096	0. 318	2. 08E-05	DC	DNAJB2
STMN2. 3	1. 40E-09	-0. 94044	0. 016	0. 189	2. 09E-05	DC	STMN2
VPS26A. 2	1. 41E-09	0. 407135	0. 401	0. 24	2. 10E-05	DC	VPS26A
MFNG. 3	1. 42E-09	0. 271462	0. 278	0. 124	2. 13E-05	DC	MFNG
SLC8A1. 2	1. 53E-09	0. 360108	0. 289	0. 142	2. 28E-05	DC	SLC8A1
LYPD1. 1	1. 60E-09	-0. 52634	0. 021	0. 198	2. 39E-05	DC	LYPD1
FAM92A1. 1	1. 60E-09	-0. 40729	0. 021	0. 204	2. 40E-05	DC	FAM92A1
WDR1. 2	1. 61E-09	0. 338847	0. 567	0. 412	2. 40E-05	DC	WDR1
EZR. 3	1. 62E-09	0. 356388	0. 503	0. 34	2. 43E-05	DC	EZR
PRRX1. 3	1. 73E-09	-0. 44713	0. 005	0. 174	2. 58E-05	DC	PRRX1
TAOK3. 2	1. 73E-09	0. 336674	0. 54	0. 384	2. 58E-05	DC	TAOK3
ENC1. 3	1. 76E-09	-0. 50159	0. 037	0. 227	2. 62E-05	DC	ENC1
LRRC8C. 3	1. 76E-09	0. 275735	0. 16	0. 057	2. 63E-05	DC	LRRC8C
AP2B1. 2	1. 77E-09	-0. 40342	0. 118	0. 344	2. 64E-05	DC	AP2B1
TRIM47. 3	1. 78E-09	-0. 44017	0. 011	0. 182	2. 65E-05	DC	TRIM47
RTN3. 1	1. 85E-09	-0. 41898	0. 465	0. 658	2. 76E-05	DC	RTN3
KLHL23. 3	1. 89E-09	-0. 44206	0	0. 164	2. 82E-05	DC	KLHL23
NAT14	1. 90E-09	-0. 38616	0. 011	0. 182	2. 84E-05	DC	NAT14
CFD. 3	1. 91E-09	0. 33062	0. 321	0. 153	2. 85E-05	DC	CFD
FDX1L. 1	1. 92E-09	-0. 4305	0. 059	0. 262	2. 88E-05	DC	FDX1L
CADM2. 2	1. 97E-09	-0. 51036	0. 016	0. 191	2. 95E-05	DC	CADM2
CDC42. 2	1. 99E-09	0. 197999	0. 77	0. 618	2. 97E-05	DC	CDC42
FLII. 3	2. 00E-09	0. 447441	0. 332	0. 185	2. 99E-05	DC	FLII
SH3BGRL3	2. 01E-09	0. 149016	0. 936	0. 775	3. 01E-05	DC	SH3BGRL3
NIPSNAP3B	2. 02E-09	0. 157806	0. 07	0. 015	3. 02E-05	DC	NIPSNAP3B
TJP1. 1	2. 02E-09	-0. 38089	0. 011	0. 183	3. 02E-05	DC	TJP1
CRNDE	2. 05E-09	-0. 41134	0. 011	0. 182	3. 07E-05	DC	CRNDE
TRAM1. 3	2. 08E-09	0. 305027	0. 599	0. 431	3. 10E-05	DC	TRAM1
F2R. 3	2. 08E-09	-0. 40433	0. 005	0. 171	3. 11E-05	DC	F2R
FLI1. 3	2. 09E-09	0. 222401	0. 15	0. 05	3. 12E-05	DC	FLI1
OCIAD2. 2	2. 16E-09	-0. 90305	0. 209	0. 39	3. 23E-05	DC	OCIAD2
PCBP2. 2	2. 23E-09	0. 238202	0. 813	0. 66	3. 33E-05	DC	PCBP2
APBA2. 3	2. 25E-09	-0. 40497	0. 027	0. 21	3. 36E-05	DC	APBA2
BEX2. 2	2. 28E-09	-0. 67629	0. 07	0. 26	3. 40E-05	DC	BEX2
GADD45G. 2	2. 31E-09	-0. 58716	0. 064	0. 258	3. 45E-05	DC	GADD45G
MAPRE3. 1	2. 43E-09	-0. 40208	0. 011	0. 182	3. 63E-05	DC	MAPRE3
KIF3A. 1	2. 44E-09	-0. 4899	0. 048	0. 237	3. 64E-05	DC	KIF3A
MAGED2. 3	2. 45E-09	-0. 46026	0. 278	0. 512	3. 67E-05	DC	MAGED2
BCHE. 1	2. 45E-09	-0. 47395	0. 016	0. 189	3. 67E-05	DC	BCHE

IGFBP5. 3	2. 50E-09	-0. 78239	0. 075	0. 271	3. 74E-05	DC	IGFBP5
CAMK2D. 1	2. 56E-09	-0. 46913	0. 053	0. 247	3. 83E-05	DC	CAMK2D
DCLK2. 3	2. 58E-09	-0. 41532	0. 021	0. 199	3. 85E-05	DC	DCLK2
RP11-138A	2. 65E-09	0. 325285	0. 225	0. 097	3. 95E-05	DC	RP11-138A9. 2
RBPJ. 3	2. 65E-09	0. 339885	0. 615	0. 467	3. 96E-05	DC	RBPJ
GRIA3. 2	2. 71E-09	-0. 39099	0. 005	0. 171	4. 04E-05	DC	GRIA3
ATP6AP1. 3	2. 77E-09	0. 270884	0. 642	0. 49	4. 13E-05	DC	ATP6AP1
CD72. 2	2. 86E-09	0. 308408	0. 144	0. 049	4. 27E-05	DC	CD72
GHRL. 3	2. 90E-09	0. 278773	0. 155	0. 055	4. 33E-05	DC	GHRL
SPARCL1. 2	2. 92E-09	-0. 78764	0. 15	0. 349	4. 36E-05	DC	SPARCL1
RNF180. 2	2. 93E-09	-0. 40351	0. 005	0. 17	4. 37E-05	DC	RNF180
RP11-161M	2. 95E-09	-0. 51959	0. 005	0. 169	4. 41E-05	DC	RP11-161M6. 2
ZFP36L2. 3	2. 98E-09	0. 26655	0. 69	0. 513	4. 45E-05	DC	ZFP36L2
ARRDC1. 3	3. 00E-09	0. 43143	0. 267	0. 132	4. 48E-05	DC	ARRDC1
RNASE2. 3	3. 00E-09	0. 342974	0. 321	0. 155	4. 48E-05	DC	RNASE2
RCN2. 2	3. 06E-09	-0. 43916	0. 262	0. 47	4. 58E-05	DC	RCN2
FAIM2. 2	3. 07E-09	-0. 55197	0. 021	0. 194	4. 58E-05	DC	FAIM2
RAB31. 3	3. 07E-09	0. 315069	0. 615	0. 457	4. 59E-05	DC	RAB31
TMEM9. 3	3. 08E-09	-0. 48817	0. 144	0. 371	4. 60E-05	DC	TMEM9
CBS. 2	3. 08E-09	-0. 38192	0	0. 16	4. 61E-05	DC	CBS
KLHL7. 1	3. 14E-09	-0. 45407	0. 08	0. 282	4. 70E-05	DC	KLHL7
TMEM14A. 2	3. 24E-09	-0. 49889	0. 112	0. 327	4. 85E-05	DC	TMEM14A
IDH2. 3	3. 27E-09	0. 321015	0. 583	0. 424	4. 89E-05	DC	IDH2
SNCA. 3	3. 32E-09	0. 235212	0. 305	0. 141	4. 96E-05	DC	SNCA
EIF2S3. 1	3. 35E-09	0. 409588	0. 444	0. 292	5. 01E-05	DC	EIF2S3
C3orf14. 1	3. 38E-09	-0. 49846	0. 07	0. 268	5. 05E-05	DC	C3orf14
MGST2. 3	3. 39E-09	0. 239582	0. 449	0. 25	5. 07E-05	DC	MGST2
TUBB. 1	3. 44E-09	-0. 34581	0. 722	0. 771	5. 14E-05	DC	TUBB
MORN2. 3	3. 46E-09	-0. 45415	0. 064	0. 265	5. 18E-05	DC	MORN2
MYH9. 3	3. 48E-09	0. 492543	0. 337	0. 186	5. 21E-05	DC	MYH9
SOCS2. 2	3. 49E-09	-0. 42008	0	0. 159	5. 22E-05	DC	SOCS2
FOXP1. 1	3. 58E-09	0. 209898	0. 412	0. 227	5. 35E-05	DC	FOXP1
SLC39A6. 1	3. 65E-09	-0. 45557	0. 118	0. 332	5. 45E-05	DC	SLC39A6
MAPKAPK3. 3	3. 73E-09	0. 406009	0. 316	0. 168	5. 57E-05	DC	MAPKAPK3
COMMD8. 3	3. 74E-09	0. 372655	0. 38	0. 222	5. 59E-05	DC	COMMD8
CD93. 3	3. 81E-09	0. 319937	0. 182	0. 069	5. 70E-05	DC	CD93
PHGDH. 2	3. 87E-09	-0. 56185	0. 027	0. 202	5. 78E-05	DC	PHGDH
FAM213A. 2	3. 88E-09	-0. 48471	0. 16	0. 386	5. 80E-05	DC	FAM213A
POLR2I. 2	3. 91E-09	-0. 4724	0. 326	0. 556	5. 85E-05	DC	POLR2I
GPRC5B. 1	3. 94E-09	-0. 48337	0. 037	0. 222	5. 89E-05	DC	GPRC5B
MVP. 1	3. 95E-09	0. 389578	0. 38	0. 223	5. 90E-05	DC	MVP
SH3BP5. 3	3. 95E-09	0. 446274	0. 342	0. 199	5. 90E-05	DC	SH3BP5
C8orf4. 2	4. 10E-09	-0. 87445	0. 048	0. 231	6. 12E-05	DC	C8orf4
ACP5. 3	4. 17E-09	0. 251422	0. 139	0. 046	6. 23E-05	DC	ACP5
NRXN1. 2	4. 20E-09	-0. 58528	0. 005	0. 165	6. 28E-05	DC	NRXN1
PROX1. 2	4. 21E-09	-0. 43114	0. 005	0. 167	6. 28E-05	DC	PROX1
RAPGEF1. 1	4. 23E-09	0. 447857	0. 246	0. 115	6. 33E-05	DC	RAPGEF1
TCEAL2. 1	4. 28E-09	-0. 6276	0. 016	0. 182	6. 39E-05	DC	TCEAL2
C16orf54. 4	4. 29E-09	0. 196033	0. 07	0. 015	6. 41E-05	DC	C16orf54
SAP30. 3	4. 29E-09	0. 45421	0. 38	0. 238	6. 42E-05	DC	SAP30
STAC3. 3	4. 45E-09	0. 380499	0. 193	0. 077	6. 65E-05	DC	STAC3

NRSN2.2	4.47E-09	-0.35826	0.005	0.167	6.68E-05	DC	NRSN2
MED31	4.50E-09	-0.45184	0.037	0.219	6.72E-05	DC	MED31
PROCR.2	4.51E-09	0.291517	0.176	0.067	6.74E-05	DC	PROCR
C1orf21.3	4.54E-09	-0.44395	0.027	0.203	6.78E-05	DC	C1orf21
TMEM156.3	4.65E-09	0.242615	0.155	0.054	6.95E-05	DC	TMEM156
POU3F3.2	4.69E-09	-0.38889	0	0.157	7.01E-05	DC	POU3F3
WDR34.1	4.70E-09	-0.41808	0.032	0.21	7.02E-05	DC	WDR34
SLC04A1.1	4.97E-09	0.258062	0.112	0.034	7.43E-05	DC	SLC04A1
OLIG1.3	4.98E-09	-0.63616	0.016	0.183	7.44E-05	DC	OLIG1
PGK1.1	5.01E-09	0.143726	0.914	0.751	7.48E-05	DC	PGK1
TOM1.3	5.01E-09	0.449206	0.299	0.158	7.49E-05	DC	TOM1
LHFP.3	5.02E-09	-0.51995	0.048	0.235	7.50E-05	DC	LHFP
TNRC6C.2	5.17E-09	-0.41217	0.011	0.174	7.72E-05	DC	TNRC6C
NINJ2.3	5.22E-09	0.257447	0.209	0.085	7.80E-05	DC	NINJ2
TMSB15B.2	5.30E-09	-0.41821	0.016	0.184	7.92E-05	DC	TMSB15B
FOXG1.2	5.38E-09	-0.35166	0	0.156	8.03E-05	DC	FOXG1
ANKRD22.3	5.57E-09	0.245925	0.171	0.063	8.33E-05	DC	ANKRD22
PCGF2.1	5.61E-09	-0.36523	0.005	0.165	8.38E-05	DC	PCGF2
PLEKHB1.1	5.80E-09	-0.56107	0.037	0.216	8.66E-05	DC	PLEKHB1
RP11-395G	5.90E-09	-0.45395	0.016	0.18	8.82E-05	DC	RP11-395G23.3
MAGEH1.2	5.97E-09	-0.48703	0.112	0.321	8.93E-05	DC	MAGEH1
GRB2.3	6.05E-09	0.299352	0.636	0.478	9.03E-05	DC	GRB2
ICAM1.2	6.12E-09	0.343966	0.316	0.161	9.14E-05	DC	ICAM1
ENSA.1	6.19E-09	0.246228	0.652	0.498	9.25E-05	DC	ENSA
CD164.2	6.22E-09	0.263112	0.652	0.488	9.30E-05	DC	CD164
CFL1.2	6.33E-09	-0.18744	0.995	0.949	9.46E-05	DC	CFL1
ENO2.3	6.34E-09	-0.4581	0.086	0.287	9.48E-05	DC	ENO2
IMMP1L.2	6.40E-09	-0.4443	0.048	0.235	9.56E-05	DC	IMMP1L
TNFSF8	6.41E-09	0.154861	0.048	0.008	9.57E-05	DC	TNFSF8
ZFHX4.3	6.44E-09	-0.35841	0	0.154	9.62E-05	DC	ZFHX4
MAP9.1	6.44E-09	-0.40992	0.021	0.191	9.63E-05	DC	MAP9
COL9A3.3	6.48E-09	-0.53304	0.021	0.189	9.68E-05	DC	COL9A3
THY1.2	6.60E-09	-0.48155	0.064	0.259	9.86E-05	DC	THY1
NSG1.3	6.61E-09	-0.6771	0.016	0.178	9.88E-05	DC	NSG1
GUSB.2	6.75E-09	0.331562	0.433	0.269	0.000101	DC	GUSB
DPP6.1	6.80E-09	-0.41006	0.005	0.164	0.000102	DC	DPP6
NBL1.3	6.94E-09	-0.44596	0.016	0.181	0.000104	DC	NBL1
DCLK1.1	6.97E-09	-0.40581	0	0.154	0.000104	DC	DCLK1
JAKMIP2.1	7.21E-09	-0.37885	0	0.153	0.000108	DC	JAKMIP2
BASP1.3	7.36E-09	0.394568	0.54	0.37	0.00011	DC	BASP1
GLTSCR2.3	7.37E-09	0.254578	0.69	0.562	0.00011	DC	GLTSCR2
ECHDC3.2	7.38E-09	0.263743	0.107	0.032	0.00011	DC	ECHDC3
GMIP.3	7.39E-09	0.324206	0.182	0.072	0.000111	DC	GMIP
SCPEP1.2	7.46E-09	0.273887	0.545	0.343	0.000111	DC	SCPEP1
NPAS3.3	7.70E-09	-0.39243	0.005	0.161	0.000115	DC	NPAS3
TCTEX1D2.7	7.82E-09	-0.48264	0.048	0.23	0.000117	DC	TCTEX1D2
SLC41A2.1	7.93E-09	0.300939	0.128	0.044	0.000118	DC	SLC41A2
CTSF.2	8.00E-09	-0.43443	0.08	0.273	0.00012	DC	CTSF
GOS2.2	8.10E-09	0.482576	0.332	0.182	0.000121	DC	GOS2
EIF1.3	8.11E-09	-0.25169	1	0.974	0.000121	DC	EIF1
RP3-525N1	8.25E-09	-0.46415	0	0.152	0.000123	DC	RP3-525N10.2

ATP8B4.2	8.41E-09	0.252113	0.128	0.042	0.000126	DC	ATP8B4
CTXN1.3	8.52E-09	-0.35045	0.005	0.162	0.000127	DC	CTXN1
AKAP12.3	8.52E-09	-0.44037	0.021	0.19	0.000127	DC	AKAP12
C9orf72.3	8.55E-09	0.383925	0.289	0.148	0.000128	DC	C9orf72
HEXA.2	8.57E-09	0.298558	0.551	0.387	0.000128	DC	HEXA
PRR7.3	8.58E-09	-0.35939	0.021	0.191	0.000128	DC	PRR7
GPNMB.3	9.06E-09	0.296019	0.374	0.198	0.000135	DC	GPNMB
TRIB1.2	9.28E-09	0.370499	0.299	0.154	0.000139	DC	TRIB1
MXRA7.1	9.38E-09	-0.39232	0.011	0.17	0.00014	DC	MXRA7
ERP29	9.78E-09	0.210009	0.754	0.609	0.000146	DC	ERP29
ARPC1A.3	9.78E-09	-0.43967	0.348	0.562	0.000146	DC	ARPC1A
OLFM2.1	9.87E-09	-0.50684	0.027	0.194	0.000147	DC	OLFM2
ZDHHC9.3	1.03E-08	-0.46354	0.011	0.17	0.000155	DC	ZDHHC9
RP11-443E	1.05E-08	0.122033	0.059	0.012	0.000157	DC	RP11-443B7.1
ZNF462.3	1.07E-08	-0.41591	0.016	0.179	0.00016	DC	ZNF462
MICAL1.3	1.08E-08	0.367475	0.278	0.139	0.000161	DC	MICAL1
SEMA6D.3	1.09E-08	-0.4127	0.005	0.159	0.000163	DC	SEMA6D
FNBP1L.3	1.11E-08	-0.40871	0.021	0.187	0.000166	DC	FNBP1L
ODC1.2	1.11E-08	-0.4831	0.198	0.397	0.000166	DC	ODC1
NNT-AS1.2	1.12E-08	-0.40049	0.043	0.224	0.000167	DC	NNT-AS1
PSD3.2	1.13E-08	-0.39188	0.027	0.197	0.000169	DC	PSD3
CDC42EP4.1	1.14E-08	-0.46332	0.032	0.203	0.00017	DC	CDC42EP4
MCTP1	1.14E-08	0.203296	0.08	0.02	0.000171	DC	MCTP1
CARD11.2	1.14E-08	0.203048	0.096	0.027	0.000171	DC	CARD11
RP11-325F	1.19E-08	0.129953	0.027	0.003	0.000177	DC	RP11-325F22.2
GLB1	1.21E-08	0.357435	0.396	0.242	0.00018	DC	GLB1
CBX1.2	1.21E-08	-0.37737	0.155	0.37	0.000181	DC	CBX1
ST3GAL6.3	1.22E-08	0.289413	0.241	0.109	0.000182	DC	ST3GAL6
C1R.3	1.24E-08	-0.77011	0.043	0.218	0.000185	DC	C1R
SOCS1.2	1.24E-08	0.273276	0.144	0.051	0.000186	DC	SOCS1
SUPT4H1	1.25E-08	0.280489	0.636	0.492	0.000186	DC	SUPT4H1
OSBPL6	1.28E-08	-0.3345	0.005	0.159	0.000192	DC	OSBPL6
ARPC4.3	1.34E-08	0.255327	0.631	0.512	0.0002	DC	ARPC4
ACSL4.3	1.39E-08	0.334481	0.193	0.082	0.000208	DC	ACSL4
C4orf32	1.40E-08	0.17998	0.07	0.016	0.000209	DC	C4orf32
BHLHE40.2	1.42E-08	0.376376	0.337	0.191	0.000212	DC	BHLHE40
DPYSL4.3	1.44E-08	-0.36665	0.005	0.157	0.000216	DC	DPYSL4
FN1.1	1.45E-08	0.512734	0.289	0.152	0.000217	DC	FN1
ATF3.3	1.47E-08	0.308526	0.487	0.299	0.00022	DC	ATF3
CD63.3	1.48E-08	-0.31964	0.947	0.924	0.000221	DC	CD63
C12orf76.1	1.49E-08	-0.43509	0.075	0.269	0.000222	DC	C12orf76
IL23A	1.51E-08	0.16509	0.048	0.008	0.000225	DC	IL23A
CCNDBP1.3	1.52E-08	0.374158	0.353	0.202	0.000227	DC	CCNDBP1
APBB1.2	1.52E-08	-0.43793	0.027	0.192	0.000227	DC	APBB1
RP11-214C	1.54E-08	0.136465	0.048	0.008	0.000231	DC	RP11-21401.3
PTMS.2	1.56E-08	-0.4154	0.439	0.555	0.000233	DC	PTMS
APOL1	1.62E-08	0.296977	0.118	0.038	0.000242	DC	APOL1
KIAA1191.1	1.62E-08	-0.42863	0.075	0.267	0.000243	DC	KIAA1191
CDH26	1.68E-08	0.149481	0.053	0.01	0.000251	DC	CDH26
COL6A2.2	1.69E-08	-0.48382	0.011	0.165	0.000253	DC	COL6A2
NFIC.1	1.72E-08	-0.46807	0.235	0.437	0.000257	DC	NFIC

CRTAP. 3	1. 75E-08	0. 37402	0. 38	0. 234	0. 000261	DC	CRTAP
AGT. 1	1. 84E-08	-0. 61479	0. 048	0. 223	0. 000275	DC	AGT
FBXO17. 3	1. 84E-08	-0. 361	0	0. 146	0. 000275	DC	FBXO17
DRAXIN. 2	1. 85E-08	-0. 39594	0. 005	0. 155	0. 000277	DC	DRAXIN
SATB1. 2	1. 92E-08	0. 402686	0. 257	0. 128	0. 000286	DC	SATB1
LIMCH1. 2	1. 95E-08	-0. 4276	0. 005	0. 154	0. 000291	DC	LIMCH1
SNTG1. 2	1. 98E-08	-0. 48645	0. 005	0. 156	0. 000295	DC	SNTG1
LSAMP. 1	2. 01E-08	-0. 46094	0. 016	0. 175	0. 0003	DC	LSAMP
NDN. 3	2. 05E-08	-0. 39279	0. 032	0. 199	0. 000306	DC	NDN
RTKN. 3	2. 13E-08	-0. 4009	0. 016	0. 173	0. 000318	DC	RTKN
RASGRP3. 2	2. 14E-08	0. 339927	0. 171	0. 067	0. 00032	DC	RASGRP3
SPPL2A. 3	2. 16E-08	0. 376224	0. 321	0. 182	0. 000323	DC	SPPL2A
TSPAN33. 2	2. 17E-08	0. 256837	0. 123	0. 041	0. 000324	DC	TSPAN33
C21orf59	2. 19E-08	-0. 40236	0. 112	0. 319	0. 000327	DC	C21orf59
IL27RA. 2	2. 24E-08	0. 315409	0. 144	0. 054	0. 000335	DC	IL27RA
CLIP3. 2	2. 25E-08	-0. 4022	0. 032	0. 2	0. 000337	DC	CLIP3
MEF2A. 3	2. 29E-08	0. 38863	0. 369	0. 213	0. 000342	DC	MEF2A
ZKSCAN1. 2	2. 32E-08	-0. 36826	0. 112	0. 32	0. 000347	DC	ZKSCAN1
RGS17. 1	2. 32E-08	-0. 37844	0. 011	0. 165	0. 000347	DC	RGS17
YWHAQ. 2	2. 36E-08	-0. 36461	0. 535	0. 645	0. 000353	DC	YWHAQ
OLFM1. 2	2. 37E-08	-0. 41956	0. 005	0. 153	0. 000354	DC	OLFM1
C1QB. 3	2. 40E-08	0. 169963	0. 818	0. 566	0. 000358	DC	C1QB
IL12RB1. 2	2. 45E-08	0. 207299	0. 102	0. 03	0. 000366	DC	IL12RB1
RNH1. 2	2. 46E-08	0. 214174	0. 684	0. 535	0. 000368	DC	RNH1
AFF3. 1	2. 49E-08	0. 364864	0. 139	0. 051	0. 000372	DC	AFF3
CD180. 2	2. 53E-08	0. 244734	0. 112	0. 035	0. 000378	DC	CD180
GPC2. 3	2. 55E-08	-0. 50328	0. 016	0. 17	0. 000381	DC	GPC2
SOX6. 2	2. 57E-08	-0. 40265	0	0. 144	0. 000384	DC	SOX6
SLAMF9. 1	2. 58E-08	0. 211385	0. 075	0. 018	0. 000386	DC	SLAMF9
YWHAE. 2	2. 61E-08	-0. 2354	0. 743	0. 752	0. 00039	DC	YWHAE
SIPA1. 3	2. 63E-08	0. 333573	0. 273	0. 137	0. 000393	DC	SIPA1
GPATCH8. 1	2. 65E-08	-0. 40968	0. 107	0. 307	0. 000397	DC	GPATCH8
UPP1. 3	2. 73E-08	0. 382596	0. 401	0. 252	0. 000408	DC	UPP1
CHCHD2. 2	2. 77E-08	-0. 21981	0. 909	0. 88	0. 000413	DC	CHCHD2
MACC1	2. 78E-08	0. 177948	0. 07	0. 016	0. 000416	DC	MACC1
SMARCD3. 2	2. 82E-08	-0. 34615	0. 053	0. 234	0. 000421	DC	SMARCD3
PSMA1. 3	2. 84E-08	0. 214229	0. 743	0. 609	0. 000425	DC	PSMA1
PJA1. 1	2. 85E-08	-0. 41957	0. 032	0. 195	0. 000426	DC	PJA1
RPAIN. 1	2. 85E-08	-0. 4405	0. 278	0. 489	0. 000426	DC	RPAIN
BEST1. 1	2. 89E-08	0. 373275	0. 428	0. 272	0. 000432	DC	BEST1
RASGRP2. 3	2. 95E-08	0. 346724	0. 139	0. 05	0. 000441	DC	RASGRP2
TNFRSF14. 2	2. 98E-08	0. 31834	0. 241	0. 113	0. 000446	DC	TNFRSF14
RFX4. 1	2. 99E-08	-0. 41852	0. 005	0. 153	0. 000447	DC	RFX4
BICD1. 1	3. 04E-08	-0. 30343	0. 037	0. 207	0. 000454	DC	BICD1
DENND6B. 3	3. 07E-08	0. 347736	0. 219	0. 1	0. 000459	DC	DENND6B
MPEG1. 2	3. 10E-08	0. 227077	0. 123	0. 041	0. 000463	DC	MPEG1
PCDHB16. 1	3. 10E-08	-0. 34521	0	0. 142	0. 000464	DC	PCDHB16
DAPK1. 1	3. 12E-08	0. 322192	0. 15	0. 057	0. 000467	DC	DAPK1
NDRG4. 3	3. 14E-08	-0. 3605	0. 011	0. 162	0. 00047	DC	NDRG4
DAGLB. 3	3. 16E-08	0. 324327	0. 246	0. 118	0. 000472	DC	DAGLB
COX5A. 2	3. 18E-08	0. 255835	0. 727	0. 596	0. 000475	DC	COX5A



BPGM	3. 22E-08	-0. 42054	0. 059	0. 237	0. 000481	DC	BPGM
C8orf46. 1	3. 24E-08	-0. 44539	0	0. 142	0. 000484	DC	C8orf46
JAM3	3. 34E-08	-0. 36816	0. 005	0. 151	0. 000499	DC	JAM3
MLF1. 1	3. 36E-08	-0. 43015	0. 064	0. 245	0. 000502	DC	MLF1
DUSP22. 3	3. 42E-08	0. 364042	0. 23	0. 109	0. 000511	DC	DUSP22
CALM1. 3	3. 42E-08	-0. 2762	0. 738	0. 772	0. 000511	DC	CALM1
FAM96A. 1	3. 46E-08	0. 323495	0. 508	0. 354	0. 000517	DC	FAM96A
C19orf38. 3	3. 49E-08	0. 223601	0. 134	0. 046	0. 000521	DC	C19orf38
ZNF608. 1	3. 57E-08	-0. 34029	0. 011	0. 16	0. 000534	DC	ZNF608
RGS16. 2	3. 59E-08	-0. 52035	0. 091	0. 278	0. 000536	DC	RGS16
PRAF2. 2	3. 59E-08	-0. 38904	0. 107	0. 305	0. 000536	DC	PRAF2
ACSF2. 2	3. 61E-08	0. 364668	0. 16	0. 064	0. 000539	DC	ACSF2
MYEF2. 2	3. 68E-08	-0. 32526	0. 032	0. 196	0. 00055	DC	MYEF2
GDI1. 2	3. 71E-08	-0. 43444	0. 278	0. 489	0. 000554	DC	GDI1
MIR181A1H	3. 94E-08	0. 419466	0. 23	0. 111	0. 000588	DC	MIR181A1HG
NDUFS5. 3	3. 95E-08	-0. 27016	0. 791	0. 811	0. 00059	DC	NDUFS5
PPP1R14B. 3	3. 96E-08	-0. 39393	0. 15	0. 348	0. 000591	DC	PPP1R14B
NLGN1. 2	4. 00E-08	-0. 32797	0	0. 14	0. 000597	DC	NLGN1
THRA. 1	4. 00E-08	-0. 40042	0. 064	0. 242	0. 000598	DC	THRA
CPQ. 1	4. 11E-08	0. 36356	0. 321	0. 175	0. 000614	DC	CPQ
UPK3A	4. 13E-08	0. 107477	0. 043	0. 007	0. 000617	DC	UPK3A
MIF4GD. 3	4. 15E-08	0. 411693	0. 39	0. 25	0. 00062	DC	MIF4GD
APP. 2	4. 19E-08	-0. 45118	0. 353	0. 527	0. 000626	DC	APP
S100A13. 1	4. 27E-08	-0. 618	0. 112	0. 299	0. 000638	DC	S100A13
LINC00954	4. 29E-08	0. 209862	0. 048	0. 009	0. 000641	DC	LINC00954
ITPR1	4. 34E-08	0. 214419	0. 107	0. 033	0. 000649	DC	ITPR1
IL10RB. 3	4. 34E-08	0. 397209	0. 385	0. 241	0. 000649	DC	IL10RB
PTPN2. 2	4. 38E-08	0. 319012	0. 396	0. 246	0. 000654	DC	PTPN2
ARC. 1	4. 39E-08	-0. 57106	0. 048	0. 21	0. 000656	DC	ARC
TMEM106C. 4	4. 46E-08	-0. 49791	0. 086	0. 269	0. 000667	DC	TMEM106C
CYP27A1. 1	4. 50E-08	-0. 39972	0. 016	0. 167	0. 000673	DC	CYP27A1
PPFIBP1. 1	4. 66E-08	-0. 3537	0. 011	0. 158	0. 000696	DC	PPFIBP1
RABEPK. 2	4. 67E-08	-0. 41664	0. 037	0. 202	0. 000698	DC	RABEPK
IGFBP3. 1	4. 68E-08	-0. 64094	0. 037	0. 197	0. 0007	DC	IGFBP3
POLR2J3. 2	4. 73E-08	-0. 42889	0. 139	0. 342	0. 000707	DC	POLR2J3
TPM2	4. 82E-08	-0. 44801	0. 016	0. 165	0. 00072	DC	TPM2
SRPK2. 1	4. 85E-08	-0. 42661	0. 203	0. 414	0. 000725	DC	SRPK2
COA3. 2	4. 91E-08	-0. 42311	0. 262	0. 48	0. 000733	DC	COA3
WDR60	4. 94E-08	-0. 34522	0. 059	0. 235	0. 000738	DC	WDR60
SIRPB2	5. 07E-08	0. 234369	0. 064	0. 015	0. 000757	DC	SIRPB2
DPF3	5. 09E-08	-0. 33877	0	0. 138	0. 00076	DC	DPF3
SIGLEC9. 3	5. 14E-08	0. 294388	0. 209	0. 091	0. 000768	DC	SIGLEC9
DPYSL5. 3	5. 16E-08	-0. 3767	0. 016	0. 165	0. 000771	DC	DPYSL5
GGT7. 1	5. 23E-08	-0. 31936	0. 016	0. 168	0. 000782	DC	GGT7
VAMP2. 2	5. 24E-08	-0. 41252	0. 471	0. 625	0. 000784	DC	VAMP2
SPTAN1. 1	5. 29E-08	-0. 39587	0. 08	0. 263	0. 00079	DC	SPTAN1
SPG21. 3	5. 37E-08	0. 327322	0. 519	0. 383	0. 000803	DC	SPG21
DAG1. 1	5. 42E-08	-0. 32708	0. 021	0. 176	0. 000809	DC	DAG1
ZYX. 3	5. 43E-08	0. 330056	0. 545	0. 399	0. 000811	DC	ZYX
EIF3A. 3	5. 44E-08	0. 375881	0. 46	0. 33	0. 000813	DC	EIF3A
SLC1A2. 1	5. 55E-08	-0. 40536	0	0. 137	0. 00083	DC	SLC1A2

GSTM3.1	5.72E-08	-0.44216	0.086	0.271	0.000854	DC	GSTM3
C5orf24.2	5.76E-08	-0.35207	0.102	0.299	0.00086	DC	C5orf24
ELM01.2	5.82E-08	0.301438	0.348	0.187	0.00087	DC	ELM01
GAS1.3	5.92E-08	-0.38236	0.005	0.147	0.000884	DC	GAS1
PDIA3.3	5.92E-08	0.218069	0.711	0.581	0.000884	DC	PDIA3
FMN1.2	5.96E-08	0.219064	0.102	0.031	0.000891	DC	FMN1
SMARCA1.1	6.02E-08	-0.33587	0.021	0.174	0.0009	DC	SMARCA1
APOD.2	6.07E-08	-0.88774	0.016	0.163	0.000906	DC	APOD
FSD1.2	6.10E-08	-0.31606	0.011	0.157	0.000911	DC	FSD1
ZNF75A.2	6.12E-08	-0.3961	0.048	0.217	0.000914	DC	ZNF75A
USP3.3	6.13E-08	0.334137	0.294	0.164	0.000916	DC	USP3
TMEM132A.6	6.17E-08	-0.30466	0.005	0.147	0.000922	DC	TMEM132A
SSR1.2	6.22E-08	0.276129	0.604	0.466	0.00093	DC	SSR1
RNF187.1	6.43E-08	-0.41738	0.171	0.381	0.000961	DC	RNF187
DCBLD2.2	6.53E-08	-0.34108	0.005	0.145	0.000976	DC	DCBLD2
HILPDA.2	6.55E-08	-0.60292	0.059	0.23	0.000979	DC	HILPDA
JAK3	6.63E-08	0.179184	0.091	0.026	0.000992	DC	JAK3
BIRC3.1	6.66E-08	0.239811	0.16	0.063	0.000995	DC	BIRC3
ARL4D.3	6.68E-08	-0.46611	0.021	0.171	0.000998	DC	ARL4D
NUDT14.3	6.89E-08	0.350347	0.337	0.19	0.001029	DC	NUDT14
IDH1.2	6.94E-08	-0.43497	0.176	0.383	0.001037	DC	IDH1
SNAI3	7.01E-08	0.127927	0.064	0.015	0.001047	DC	SNAI3
TAGLN2.3	7.27E-08	0.17484	0.701	0.511	0.001086	DC	TAGLN2
ROB01.3	7.27E-08	-0.35949	0.027	0.18	0.001086	DC	ROB01
CSK.3	7.33E-08	0.351603	0.278	0.145	0.001096	DC	CSK
ELAVL4.2	7.36E-08	-0.63457	0.032	0.181	0.0011	DC	ELAVL4
LRRC4B.3	7.38E-08	-0.29959	0	0.135	0.001102	DC	LRRC4B
CDKN2C.1	7.44E-08	-0.48232	0.102	0.285	0.001112	DC	CDKN2C
CNP.2	7.70E-08	-0.5053	0.176	0.38	0.001151	DC	CNP
HYAL2.3	7.72E-08	-0.32132	0.053	0.225	0.001153	DC	HYAL2
ZFAND1	7.78E-08	0.378956	0.31	0.175	0.001163	DC	ZFAND1
PLAGL1.2	8.01E-08	0.198742	0.118	0.04	0.001196	DC	PLAGL1
KIFAP3.2	8.02E-08	-0.39128	0.043	0.205	0.001199	DC	KIFAP3
BCAR1.1	8.04E-08	-0.3199	0.021	0.174	0.001202	DC	BCAR1
TRAF3IP3.8	8.24E-08	0.255675	0.139	0.051	0.001232	DC	TRAF3IP3
HIF1A.2	8.49E-08	0.292231	0.631	0.495	0.001268	DC	HIF1A
C11orf49.8	8.57E-08	-0.35073	0.064	0.24	0.00128	DC	C11orf49
CD82.1	8.69E-08	-0.53178	0.075	0.242	0.001299	DC	CD82
DPF1.2	8.72E-08	-0.39443	0.005	0.143	0.001303	DC	DPF1
CITED1.2	8.84E-08	-0.43921	0.011	0.153	0.001321	DC	CITED1
CASS4	8.85E-08	0.155773	0.064	0.015	0.001323	DC	CASS4
JUN	8.94E-08	-0.36058	0.561	0.674	0.001336	DC	JUN
GCAT.3	8.97E-08	-0.27138	0.016	0.163	0.00134	DC	GCAT
SUM03.3	9.00E-08	0.276695	0.583	0.437	0.001345	DC	SUM03
PHYHIPL.1	9.00E-08	-0.49542	0.032	0.188	0.001345	DC	PHYHIPL
ST5.3	9.17E-08	-0.35791	0.011	0.153	0.00137	DC	ST5
SLC1A3.2	9.33E-08	-0.4598	0.283	0.48	0.001394	DC	SLC1A3
ARHGAP27.9	9.53E-08	0.213483	0.144	0.054	0.001424	DC	ARHGAP27
PTPN18.3	9.57E-08	0.366491	0.348	0.208	0.00143	DC	PTPN18
PCBP1.3	9.61E-08	0.220341	0.701	0.586	0.001436	DC	PCBP1
IQGAP1.3	9.62E-08	0.367702	0.385	0.25	0.001438	DC	IQGAP1

ZNF90. 2	9. 68E-08	0. 250924	0. 567	0. 377	0. 001446	DC	ZNF90
TMEM45A. 1	9. 94E-08	-0. 49702	0. 027	0. 179	0. 001486	DC	TMEM45A
GPSM2. 2	1. 01E-07	-0. 34119	0. 027	0. 179	0. 001504	DC	GPSM2
FKBP9. 2	1. 01E-07	-0. 33411	0. 027	0. 179	0. 001509	DC	FKBP9
RELT. 2	1. 01E-07	0. 36575	0. 187	0. 083	0. 001515	DC	RELT
PTOV1. 2	1. 02E-07	-0. 395	0. 235	0. 442	0. 001524	DC	PTOV1
LINC00665	1. 04E-07	-0. 36533	0. 032	0. 188	0. 001549	DC	LINC00665
YES1	1. 04E-07	-0. 29553	0	0. 132	0. 001561	DC	YES1
ATP6V1G2.	1. 06E-07	-0. 37531	0. 011	0. 151	0. 001589	DC	ATP6V1G2
EPHX1. 2	1. 08E-07	-0. 45679	0. 064	0. 235	0. 001621	DC	EPHX1
NKX2-2. 2	1. 09E-07	-0. 4596	0. 011	0. 15	0. 001622	DC	NKX2-2
HOMER3. 3	1. 10E-07	-0. 37452	0. 07	0. 244	0. 001642	DC	HOMER3
CNIH2. 3	1. 10E-07	-0. 30568	0	0. 132	0. 001648	DC	CNIH2
CNTFR. 2	1. 10E-07	-0. 3441	0	0. 132	0. 001648	DC	CNTFR
TMEM219. 2	1. 12E-07	0. 203651	0. 701	0. 558	0. 001679	DC	TMEM219
LHX2. 3	1. 13E-07	-0. 31736	0	0. 132	0. 001684	DC	LHX2
KLF6. 2	1. 16E-07	0. 187315	0. 727	0. 528	0. 001733	DC	KLF6
LPAR6. 3	1. 16E-07	0. 289119	0. 396	0. 235	0. 001741	DC	LPAR6
CTNND2. 2	1. 17E-07	-0. 35975	0. 016	0. 16	0. 001743	DC	CTNND2
METTL7B	1. 17E-07	-0. 64412	0. 053	0. 215	0. 001754	DC	METTL7B
NOL3. 3	1. 20E-07	-0. 40773	0. 021	0. 168	0. 00179	DC	NOL3
TMEM158. 2	1. 21E-07	-0. 33771	0. 005	0. 142	0. 001806	DC	TMEM158
POSTN. 2	1. 22E-07	-0. 44367	0	0. 131	0. 001817	DC	POSTN
LAMTOR1. 1	1. 24E-07	0. 159891	0. 802	0. 652	0. 001858	DC	LAMTOR1
ATP1B2. 3	1. 25E-07	-0. 36138	0. 064	0. 236	0. 001873	DC	ATP1B2
APC2. 2	1. 26E-07	-0. 3598	0. 011	0. 15	0. 00188	DC	APC2
PYCR1	1. 28E-07	-0. 3453	0. 032	0. 187	0. 001913	DC	PYCR1
ARHGAP26.	1. 29E-07	0. 350293	0. 198	0. 09	0. 001935	DC	ARHGAP26
COL4A2	1. 31E-07	-0. 29279	0	0. 131	0. 00196	DC	COL4A2
TMSB15A. 3	1. 32E-07	-0. 47234	0. 032	0. 181	0. 001974	DC	TMSB15A
RP11-14N7	1. 34E-07	-0. 39775	0. 048	0. 207	0. 002009	DC	RP11-14N7. 2
CEND1. 1	1. 35E-07	-0. 33375	0. 005	0. 141	0. 002015	DC	CEND1
PMP22. 2	1. 35E-07	-0. 50462	0. 235	0. 431	0. 00202	DC	PMP22
TNC. 2	1. 37E-07	-0. 44941	0. 043	0. 203	0. 00205	DC	TNC
SGCE. 1	1. 38E-07	-0. 57567	0. 011	0. 148	0. 002056	DC	SGCE
IL10. 3	1. 38E-07	0. 341955	0. 225	0. 104	0. 002059	DC	IL10
CERS1. 1	1. 41E-07	-0. 31536	0	0. 13	0. 002114	DC	CERS1
DST. 2	1. 43E-07	-0. 37612	0. 171	0. 38	0. 002138	DC	DST
FCH01. 2	1. 43E-07	0. 281614	0. 112	0. 038	0. 002141	DC	FCH01
AHNAK. 1	1. 45E-07	0. 398757	0. 23	0. 116	0. 00217	DC	AHNAK
PTMA. 3	1. 46E-07	-0. 2359	1	0. 966	0. 002187	DC	PTMA
ASPHD1. 1	1. 47E-07	-0. 36997	0. 005	0. 14	0. 002195	DC	ASPHD1
ABRACL. 3	1. 51E-07	0. 38108	0. 439	0. 302	0. 002252	DC	ABRACL
COX6C. 3	1. 52E-07	-0. 26815	0. 802	0. 831	0. 002269	DC	COX6C
DOK5. 2	1. 54E-07	-0. 37726	0. 032	0. 185	0. 002307	DC	DOK5
KIAA1715.	1. 55E-07	-0. 36748	0. 08	0. 258	0. 002324	DC	KIAA1715
PSME2. 2	1. 57E-07	0. 171871	0. 711	0. 555	0. 00235	DC	PSME2
CCDC28B. 2	1. 59E-07	-0. 27772	0. 053	0. 222	0. 002369	DC	CCDC28B
PLXNC1. 3	1. 60E-07	0. 235492	0. 16	0. 065	0. 002385	DC	PLXNC1
ARRDC2. 3	1. 60E-07	0. 244409	0. 193	0. 084	0. 002387	DC	ARRDC2
LTB4R. 2	1. 61E-07	0. 22527	0. 102	0. 032	0. 002406	DC	LTB4R

STARD4-AS	1.	61E-07	-0.33045	0	0.129	0.002407	DC	STARD4-AS1
KLHL4.	1.	63E-07	-0.32449	0	0.129	0.002433	DC	KLHL4
MAFK	1.	63E-07	0.212781	0.112	0.038	0.002438	DC	MAFK
CDC34.	2.	65E-07	-0.37171	0.07	0.237	0.002473	DC	CDC34
EIF4B.	3.	66E-07	0.3079	0.508	0.376	0.002486	DC	EIF4B
SRGAP1.	3.	67E-07	0.34852	0.358	0.223	0.0025	DC	SRGAP1
ZNF771.	2.	73E-07	-0.2811	0.011	0.148	0.002587	DC	ZNF771
IVNS1ABP.	1.	73E-07	0.31822	0.374	0.235	0.002593	DC	IVNS1ABP
PLEKH02.	3.	74E-07	0.328449	0.214	0.1	0.002597	DC	PLEKH02
RP11-71N1	1.	78E-07	-0.36072	0.005	0.138	0.002667	DC	RP11-71N10.1
CLN8.	3.	79E-07	0.330442	0.417	0.266	0.00268	DC	CLN8
MSI1.	1.	81E-07	-0.33184	0.005	0.137	0.002705	DC	MSI1
CDC25B.	1.	81E-07	-0.38928	0.043	0.196	0.002706	DC	CDC25B
MBNL1.	3.	83E-07	0.351296	0.358	0.222	0.002738	DC	MBNL1
CA12.	3.	85E-07	-0.36373	0.005	0.138	0.002763	DC	CA12
LIPA.	3.	88E-07	0.253247	0.513	0.331	0.002814	DC	LIPA
SLFN12	1.	89E-07	0.169957	0.086	0.025	0.002824	DC	SLFN12
TCOF1.	3.	92E-07	0.42678	0.321	0.193	0.002862	DC	TCOF1
ALKBH4.	1.	94E-07	-0.28901	0.043	0.201	0.002895	DC	ALKBH4
EEF1D.	3.	95E-07	0.102307	0.989	0.843	0.002917	DC	EEF1D
SACS.	3.	95E-07	-0.28974	0.016	0.157	0.002919	DC	SACS
TWF1.	1.	01E-07	-0.3398	0.086	0.266	0.003004	DC	TWF1
SLC25A3.	2.	02E-07	0.126346	0.872	0.744	0.003016	DC	SLC25A3
ENDOV	2.	02E-07	-0.34706	0.059	0.223	0.003026	DC	ENDOV
OPTN.	1.	05E-07	-0.32612	0.005	0.137	0.003062	DC	OPTN
PGM2.	1.	06E-07	0.263658	0.273	0.146	0.003076	DC	PGM2
MGMT.	3.	09E-07	0.257439	0.289	0.149	0.003122	DC	MGMT
SYP.	3.	09E-07	-0.4224	0.005	0.136	0.00313	DC	SYP
ARSJ.	1.	13E-07	-0.30244	0	0.127	0.003184	DC	ARSJ
NKAIN3.	2.	13E-07	-0.32283	0	0.127	0.003184	DC	NKAIN3
RPS6KA4.	3.	13E-07	0.353783	0.235	0.12	0.003187	DC	RPS6KA4
SPRY1.	3.	15E-07	-0.45634	0.07	0.235	0.003207	DC	SPRY1
FCGR1A.	3.	15E-07	0.207566	0.46	0.255	0.003211	DC	FCGR1A
P4HTM.	1.	18E-07	-0.325	0.086	0.264	0.003261	DC	P4HTM
PRDX1.	3.	19E-07	-0.33163	0.711	0.81	0.003276	DC	PRDX1
TNIK.	1.	27E-07	-0.29308	0.011	0.146	0.003393	DC	TNIK
SLC39A8.	2.	33E-07	0.283403	0.144	0.057	0.003477	DC	SLC39A8
GADD45GIP1	2.	33E-07	-0.35633	0.433	0.565	0.003481	DC	GADD45GIP1
STX6.	3.	34E-07	0.365581	0.326	0.195	0.003492	DC	STX6
ALDH3B1.	1.	34E-07	0.292037	0.166	0.07	0.003496	DC	ALDH3B1
RP11-660L	2.	35E-07	-0.3387	0	0.126	0.003507	DC	RP11-660L16.2
MYH10.	1.	37E-07	-0.32621	0.016	0.155	0.003538	DC	MYH10
HRH2.	1.	38E-07	0.241703	0.112	0.038	0.003562	DC	HRH2
FAM84A.	2.	40E-07	-0.2829	0.011	0.146	0.003591	DC	FAM84A
JARID2.	1.	41E-07	0.349898	0.235	0.12	0.003597	DC	JARID2
SNX8.	3.	44E-07	0.38436	0.267	0.145	0.003645	DC	SNX8
ZNF711.	2.	46E-07	-0.36171	0.011	0.144	0.003673	DC	ZNF711
TCTN1.	2.	48E-07	-0.36201	0.053	0.214	0.003711	DC	TCTN1
SPATS2.	1.	49E-07	-0.37068	0.086	0.261	0.003727	DC	SPATS2
CHST12.	1.	52E-07	-0.34209	0.075	0.249	0.003767	DC	CHST12
RNF157.	2.	52E-07	-0.27816	0.005	0.136	0.00377	DC	RNF157

SMAD1. 1	2. 55E-07	-0. 31392	0. 032	0. 18	0. 003804	DC	SMAD1
KCNF1. 3	2. 56E-07	-0. 33169	0	0. 125	0. 003821	DC	KCNF1
CDC42BPA. 2	2. 56E-07	-0. 31075	0. 032	0. 181	0. 003822	DC	CDC42BPA
PLCG2. 1	2. 57E-07	0. 172604	0. 128	0. 046	0. 003834	DC	PLCG2
MIAT. 2	2. 58E-07	-0. 43799	0. 027	0. 17	0. 003855	DC	MIAT
SNAP25. 2	2. 59E-07	-0. 45077	0. 011	0. 145	0. 003864	DC	SNAP25
NDRG2. 1	2. 60E-07	0. 178613	0. 551	0. 356	0. 003893	DC	NDRG2
EDNRB. 1	2. 61E-07	-0. 38125	0. 037	0. 189	0. 003902	DC	EDNRB
TPP1. 3	2. 62E-07	0. 29712	0. 471	0. 32	0. 003916	DC	TPP1
TMEM237. 1	2. 64E-07	-0. 29764	0. 037	0. 189	0. 003942	DC	TMEM237
CNIH3	2. 70E-07	-0. 34318	0. 027	0. 171	0. 004037	DC	CNIH3
NUPR1. 2	2. 72E-07	-0. 57001	0. 144	0. 327	0. 004058	DC	NUPR1
HEPACAM. 2	2. 75E-07	-0. 44191	0. 032	0. 18	0. 004103	DC	HEPACAM
AC004540. 2	2. 76E-07	-0. 44075	0	0. 125	0. 004119	DC	AC004540. 4
STAT5A. 3	2. 80E-07	0. 231333	0. 134	0. 05	0. 004181	DC	STAT5A
NDUFB7. 3	2. 80E-07	-0. 33055	0. 631	0. 722	0. 004191	DC	NDUFB7
SEPT8. 3	2. 82E-07	-0. 36978	0. 043	0. 198	0. 004216	DC	8-Sep
NAGA. 3	2. 91E-07	0. 307558	0. 321	0. 182	0. 004347	DC	NAGA
FBL. 3	2. 97E-07	0. 244128	0. 508	0. 375	0. 004435	DC	FBL
PDRG1. 1	3. 04E-07	-0. 3831	0. 096	0. 271	0. 004547	DC	PDRG1
PDE6G	3. 11E-07	0. 148773	0. 053	0. 012	0. 004648	DC	PDE6G
NR2F6. 2	3. 16E-07	-0. 28324	0. 011	0. 143	0. 004717	DC	NR2F6
PSMB5. 2	3. 17E-07	-0. 39818	0. 406	0. 598	0. 004734	DC	PSMB5
FGFR1	3. 17E-07	-0. 29399	0. 027	0. 173	0. 00474	DC	FGFR1
ZNF710	3. 19E-07	0. 249205	0. 102	0. 034	0. 00476	DC	ZNF710
ZNF91	3. 20E-07	-0. 33751	0. 053	0. 212	0. 004782	DC	ZNF91
TLE1. 1	3. 21E-07	-0. 28984	0. 027	0. 172	0. 004803	DC	TLE1
ENHO. 2	3. 23E-07	-0. 29911	0. 016	0. 153	0. 004829	DC	ENHO
RNASEH1-AS1	3. 25E-07	-0. 28742	0. 032	0. 18	0. 004853	DC	RNASEH1-AS1
VPS29. 1	3. 25E-07	0. 225018	0. 674	0. 551	0. 004856	DC	VPS29
HADHA. 1	3. 26E-07	0. 26941	0. 567	0. 439	0. 004877	DC	HADHA
HCAR3	3. 27E-07	0. 136645	0. 032	0. 005	0. 004885	DC	HCAR3
OSER1-AS1	3. 28E-07	-0. 33918	0. 005	0. 133	0. 004894	DC	OSER1-AS1
CADM1. 1	3. 28E-07	-0. 34423	0. 134	0. 328	0. 004899	DC	CADM1
RIMKLB. 1	3. 29E-07	-0. 3291	0. 016	0. 153	0. 004913	DC	RIMKLB
TIMM22	3. 29E-07	-0. 32084	0. 075	0. 245	0. 004923	DC	TIMM22
GNG5. 2	3. 36E-07	0. 160935	0. 856	0. 641	0. 005023	DC	GNG5
HSPBP1	3. 43E-07	-0. 29625	0. 107	0. 29	0. 005122	DC	HSPBP1
SRPX. 2	3. 51E-07	-0. 39544	0. 032	0. 179	0. 005252	DC	SRPX
EXTL2. 1	3. 55E-07	-0. 27045	0. 027	0. 17	0. 005311	DC	EXTL2
PLCB2. 3	3. 67E-07	0. 2307	0. 15	0. 06	0. 005482	DC	PLCB2
WSCD1. 2	3. 70E-07	-0. 3041	0. 005	0. 133	0. 005536	DC	WSCD1
TSPAN12. 1	3. 72E-07	-0. 33013	0	0. 122	0. 005556	DC	TSPAN12
ASCL2. 2	3. 76E-07	0. 207938	0. 107	0. 036	0. 005615	DC	ASCL2
HS2ST1. 2	3. 88E-07	-0. 34941	0. 032	0. 177	0. 005795	DC	HS2ST1
NDUFA5. 1	3. 91E-07	-0. 40647	0. 39	0. 58	0. 005848	DC	NDUFA5
GSPT2. 1	3. 92E-07	-0. 31493	0. 016	0. 151	0. 005864	DC	GSPT2
FAM3C. 2	3. 96E-07	-0. 34639	0. 246	0. 44	0. 005913	DC	FAM3C
C1S. 1	4. 02E-07	-0. 70444	0. 027	0. 164	0. 006007	DC	C1S
C21orf62. 4	4. 08E-07	-0. 38322	0. 021	0. 16	0. 006095	DC	C21orf62
GRIA4. 2	4. 10E-07	-0. 34715	0. 005	0. 131	0. 00612	DC	GRIA4

FERMT2.3	4.11E-07	-0.31571	0.048	0.205	0.006136	DC	FERMT2
DLX5.3	4.17E-07	-0.6825	0.016	0.146	0.006237	DC	DLX5
ATP6VOB.3	4.20E-07	0.129071	0.93	0.796	0.006278	DC	ATP6VOB
TREM2.3	4.24E-07	0.208714	0.578	0.347	0.006343	DC	TREM2
PNMA2.2	4.27E-07	-0.3248	0.011	0.141	0.006381	DC	PNMA2
HGSNAT.3	4.31E-07	0.407726	0.326	0.204	0.006442	DC	HGSNAT
MEIS3.1	4.39E-07	-0.28191	0.005	0.131	0.006559	DC	MEIS3
RAB7A.2	4.41E-07	0.17871	0.759	0.657	0.006587	DC	RAB7A
KRIT1.2	4.59E-07	-0.33215	0.059	0.219	0.006859	DC	KRIT1
NIPSNAP3A	4.72E-07	0.349232	0.326	0.198	0.007049	DC	NIPSNAP3A
RCN1.3	4.77E-07	-0.32609	0.166	0.357	0.007125	DC	RCN1
MAFF.3	4.80E-07	0.317292	0.299	0.169	0.007179	DC	MAFF
NR2F1	4.82E-07	-0.29393	0.027	0.168	0.007205	DC	NR2F1
GNG12.1	5.02E-07	-0.27951	0.011	0.14	0.007498	DC	GNG12
VAPA.1	5.03E-07	0.209928	0.775	0.631	0.007522	DC	VAPA
RAB32.3	5.13E-07	0.39055	0.364	0.236	0.007663	DC	RAB32
DLL3.2	5.16E-07	-0.53476	0.016	0.146	0.007718	DC	DLL3
GTF2I.2	5.22E-07	-0.4236	0.246	0.43	0.007798	DC	GTF2I
THSD7A.2	5.31E-07	-0.4838	0.016	0.145	0.007933	DC	THSD7A
CETN2.3	5.32E-07	-0.42027	0.144	0.325	0.007955	DC	CETN2
NUDT11.1	5.34E-07	-0.3588	0.005	0.128	0.007986	DC	NUDT11
HLTF.2	5.35E-07	-0.29687	0.032	0.176	0.007988	DC	HLTF
ZMAT3.1	5.35E-07	-0.38162	0.053	0.205	0.008002	DC	ZMAT3
TNFSF12.3	5.36E-07	0.310193	0.316	0.183	0.008013	DC	TNFSF12
SENCR.1	5.37E-07	0.139265	0.07	0.019	0.008019	DC	SENCR
INSR.2	5.53E-07	0.440499	0.257	0.143	0.008263	DC	INSR
PDE4A.2	5.54E-07	0.311783	0.187	0.088	0.008283	DC	PDE4A
BBOX1.2	5.59E-07	-0.37567	0.011	0.139	0.008357	DC	BBOX1
EIF4E2.1	5.69E-07	0.364975	0.449	0.331	0.008499	DC	EIF4E2
ACOT9.3	5.70E-07	0.336374	0.305	0.18	0.008511	DC	ACOT9
PHAX.1	5.71E-07	-0.35236	0.123	0.308	0.008529	DC	PHAX
AKNA.2	5.76E-07	0.259629	0.166	0.071	0.008611	DC	AKNA
PDE4B.3	5.78E-07	0.401565	0.401	0.274	0.00863	DC	PDE4B
CYB5D2.1	5.79E-07	-0.4261	0.075	0.235	0.00865	DC	CYB5D2
PLOD2.2	5.80E-07	-0.34962	0.027	0.164	0.008673	DC	PLOD2
ATXN2.1	5.81E-07	-0.33847	0.064	0.224	0.008687	DC	ATXN2
PXMP2.1	5.98E-07	-0.30243	0.064	0.226	0.008935	DC	PXMP2
SMARCA4.2	6.04E-07	-0.3854	0.176	0.364	0.009021	DC	SMARCA4
SUGP2.2	6.07E-07	-0.30195	0.08	0.249	0.009074	DC	SUGP2
PITPNA-AS	6.21E-07	-0.33955	0.048	0.198	0.009281	DC	PITPNA-AS1
ARV1.2	6.37E-07	-0.38537	0.037	0.181	0.009526	DC	ARV1
GNG4.2	6.39E-07	-0.30984	0	0.118	0.009552	DC	GNG4
DUSP14.2	6.49E-07	-0.3194	0.037	0.182	0.009705	DC	DUSP14
OBSL1.2	6.50E-07	-0.28365	0.016	0.148	0.009716	DC	OBSL1
LRWD1	6.57E-07	-0.29049	0.032	0.172	0.009816	DC	LRWD1
DTX3	6.57E-07	-0.47591	0.096	0.258	0.009824	DC	DTX3
RND2.2	6.58E-07	-0.34461	0.027	0.165	0.009833	DC	RND2
RPS6KA3.3	6.62E-07	0.387892	0.246	0.135	0.009891	DC	RPS6KA3
SOBP.2	6.67E-07	-0.3225	0.011	0.136	0.009966	DC	SOBP
TAF9B	6.67E-07	-0.27326	0.016	0.147	0.00997	DC	TAF9B
POLD2.2	6.74E-07	-0.3742	0.225	0.424	0.010065	DC	POLD2

CARHSP1. 2	6. 81E-07	-0. 39202	0. 23	0. 426	0. 010179	DC	CARHSP1
SIRPA. 3	6. 83E-07	0. 300325	0. 38	0. 241	0. 010203	DC	SIRPA
PPDPF	6. 86E-07	-0. 28686	0. 69	0. 711	0. 01025	DC	PPDPF
PLA2G4A. 1	6. 94E-07	0. 196398	0. 096	0. 031	0. 010366	DC	PLA2G4A
ASNS. 3	6. 99E-07	-0. 35423	0. 037	0. 179	0. 010451	DC	ASNS
DNAJB12. 2	7. 05E-07	0. 29295	0. 267	0. 146	0. 010533	DC	DNAJB12
TEAD1. 1	7. 07E-07	-0. 25453	0. 016	0. 147	0. 010567	DC	TEAD1
PAK3. 3	7. 08E-07	-0. 39643	0. 016	0. 145	0. 010585	DC	PAK3
PTAFR. 3	7. 15E-07	0. 223132	0. 251	0. 123	0. 010681	DC	PTAFR
TMEM198. 1	7. 18E-07	-0. 26654	0	0. 117	0. 010731	DC	TMEM198
SNRPB. 1	7. 22E-07	0. 25203	0. 727	0. 575	0. 010788	DC	SNRPB
NPM3. 2	7. 30E-07	0. 408319	0. 337	0. 215	0. 01091	DC	NPM3
SFXN5. 3	7. 38E-07	-0. 33925	0. 043	0. 191	0. 011032	DC	SFXN5
PCYOX1	7. 48E-07	-0. 25614	0. 037	0. 183	0. 011171	DC	PCYOX1
ABHD15. 3	7. 50E-07	0. 264993	0. 139	0. 056	0. 011208	DC	ABHD15
PRR4. 3	7. 64E-07	-0. 33645	0. 064	0. 219	0. 011422	DC	PRR4
C1QL1. 2	7. 65E-07	-0. 32241	0	0. 116	0. 011433	DC	C1QL1
DOK3. 3	7. 72E-07	0. 224688	0. 155	0. 064	0. 011529	DC	DOK3
RSPRY1. 1	7. 72E-07	-0. 34369	0. 086	0. 251	0. 011536	DC	RSPRY1
LINC00152	7. 78E-07	0. 375709	0. 385	0. 256	0. 011623	DC	LINC00152
RASA2. 2	7. 83E-07	0. 309165	0. 166	0. 074	0. 011697	DC	RASA2
FAM20C. 3	7. 89E-07	-0. 3996	0. 07	0. 226	0. 011798	DC	FAM20C
PFKL. 3	7. 90E-07	0. 32774	0. 481	0. 361	0. 011803	DC	PFKL
NBPF1. 3	7. 91E-07	-0. 27507	0. 075	0. 238	0. 011816	DC	NBPF1
DDAH1. 2	8. 23E-07	-0. 24203	0. 005	0. 126	0. 012292	DC	DDAH1
ZNF704. 2	8. 24E-07	-0. 3195	0. 005	0. 125	0. 012318	DC	ZNF704
ANXA4. 3	8. 36E-07	0. 333443	0. 316	0. 192	0. 012493	DC	ANXA4
CALU. 2	8. 39E-07	-0. 38465	0. 209	0. 406	0. 012532	DC	CALU
CDCA7. 2	8. 47E-07	-0. 3882	0. 005	0. 125	0. 012651	DC	CDCA7
USP15. 3	8. 50E-07	0. 327506	0. 374	0. 24	0. 012703	DC	USP15
ANXA2R. 2	8. 78E-07	-0. 33348	0. 021	0. 154	0. 013126	DC	ANXA2R
ASIC4. 2	8. 84E-07	-0. 49882	0. 016	0. 141	0. 013204	DC	ASIC4
PDCD5. 3	8. 88E-07	-0. 39901	0. 348	0. 542	0. 013265	DC	PDCD5
BOD1. 2	8. 89E-07	-0. 32754	0. 128	0. 306	0. 013281	DC	BOD1
IRF7. 3	8. 89E-07	0. 342838	0. 278	0. 159	0. 013281	DC	IRF7
GATM. 3	9. 11E-07	-0. 43172	0. 176	0. 355	0. 013611	DC	GATM
HENMT1. 2	9. 15E-07	0. 166646	0. 096	0. 031	0. 013678	DC	HENMT1
ST8SIA4. 3	9. 18E-07	0. 347158	0. 23	0. 117	0. 013724	DC	ST8SIA4
AC004158. 9	9. 29E-07	-0. 32856	0. 005	0. 124	0. 01388	DC	AC004158. 3
NUMB. 3	9. 40E-07	0. 361583	0. 289	0. 169	0. 014049	DC	NUMB
SSR3. 3	9. 43E-07	0. 179079	0. 652	0. 524	0. 014097	DC	SSR3
ZNF3. 1	9. 54E-07	-0. 37612	0. 059	0. 208	0. 014263	DC	ZNF3
WWTR1. 3	9. 57E-07	-0. 32282	0. 027	0. 162	0. 014306	DC	WWTR1
ZNF664. 1	9. 62E-07	-0. 31062	0. 021	0. 151	0. 01438	DC	ZNF664
AC092484. 9	9. 74E-07	0. 138937	0. 053	0. 012	0. 01455	DC	AC092484. 1
RP11-849I	9. 76E-07	-0. 34063	0. 011	0. 134	0. 014578	DC	RP11-849I19. 1
GADD45A. 3	9. 80E-07	-0. 45041	0. 112	0. 281	0. 014651	DC	GADD45A
INHBA-AS1	9. 84E-07	0. 106181	0. 027	0. 004	0. 014702	DC	INHBA-AS1
GBP2. 2	9. 93E-07	0. 269079	0. 342	0. 206	0. 014837	DC	GBP2
SMOX. 3	9. 96E-07	-0. 39649	0. 086	0. 25	0. 014889	DC	SMOX
ZNF883. 2	9. 99E-07	-0. 3066	0. 016	0. 143	0. 014925	DC	ZNF883

CIDEB. 1	9. 99E-07	0. 227691	0. 08	0. 024	0. 014925	DC	CIDEB
MTX2. 1	1. 01E-06	-0. 39337	0. 144	0. 324	0. 015161	DC	MTX2
ACAD8	1. 02E-06	-0. 29625	0. 043	0. 185	0. 01521	DC	ACAD8
PIK3R3. 1	1. 02E-06	-0. 37638	0. 011	0. 134	0. 015289	DC	PIK3R3
PPP2R5B. 2	1. 04E-06	-0. 30582	0. 032	0. 168	0. 015506	DC	PPP2R5B
IL3RA	1. 05E-06	0. 173862	0. 053	0. 013	0. 01571	DC	IL3RA
QDPR. 2	1. 07E-06	-0. 40363	0. 176	0. 363	0. 015937	DC	QDPR
IL10RB-AS1	1. 10E-06	0. 247559	0. 118	0. 043	0. 016415	DC	IL10RB-AS1
SFT2D1. 3	1. 10E-06	0. 203132	0. 626	0. 499	0. 016504	DC	SFT2D1
PTK2B. 2	1. 10E-06	0. 305826	0. 235	0. 125	0. 016513	DC	PTK2B
COMMD6. 2	1. 11E-06	0. 129705	0. 909	0. 774	0. 016552	DC	COMMD6
NTM. 1	1. 12E-06	-0. 44613	0	0. 113	0. 016706	DC	NTM
GABARAPL1	1. 13E-06	0. 325801	0. 428	0. 295	0. 016817	DC	GABARAPL1
FAM216A. 1	1. 13E-06	-0. 25334	0. 005	0. 124	0. 016822	DC	FAM216A
ERCC1. 3	1. 13E-06	0. 238413	0. 604	0. 47	0. 016879	DC	ERCC1
TMEM88	1. 13E-06	0. 191127	0. 075	0. 022	0. 016938	DC	TMEM88
TCEAL5. 1	1. 14E-06	-0. 4325	0. 005	0. 122	0. 01706	DC	TCEAL5
TTC9B. 3	1. 14E-06	-0. 4492	0. 005	0. 122	0. 017091	DC	TTC9B
DMWD. 2	1. 15E-06	-0. 21421	0. 016	0. 143	0. 017161	DC	DMWD
LRMP. 2	1. 15E-06	0. 244274	0. 118	0. 044	0. 017229	DC	LRMP
VMA21. 2	1. 18E-06	0. 349897	0. 455	0. 339	0. 017628	DC	VMA21
TPPP3. 3	1. 19E-06	-0. 52576	0. 027	0. 156	0. 017768	DC	TPPP3
NRBP2. 2	1. 20E-06	-0. 26946	0. 005	0. 123	0. 017871	DC	NRBP2
PGM3. 2	1. 22E-06	-0. 30025	0. 037	0. 176	0. 018291	DC	PGM3
TSPAN6. 2	1. 22E-06	-0. 31394	0. 021	0. 152	0. 018299	DC	TSPAN6
COL4A1	1. 23E-06	-0. 23983	0	0. 112	0. 018362	DC	COL4A1
ARF3. 2	1. 24E-06	0. 275801	0. 492	0. 376	0. 018501	DC	ARF3
TCF3. 2	1. 24E-06	-0. 26736	0. 011	0. 131	0. 018541	DC	TCF3
CD84. 3	1. 24E-06	0. 202186	0. 257	0. 127	0. 018584	DC	CD84
SCO2. 3	1. 24E-06	0. 354805	0. 332	0. 209	0. 018589	DC	SCO2
FNBP1. 3	1. 26E-06	0. 337734	0. 385	0. 261	0. 018857	DC	FNBP1
IFT81. 1	1. 27E-06	-0. 22428	0. 027	0. 161	0. 01891	DC	IFT81
PNKD. 1	1. 27E-06	-0. 37048	0. 262	0. 46	0. 018942	DC	PNKD
WNK3. 1	1. 28E-06	-0. 28384	0. 005	0. 122	0. 019123	DC	WNK3
AK4. 3	1. 29E-06	-0. 36535	0. 043	0. 182	0. 019323	DC	AK4
SLC37A3. 1	1. 29E-06	-0. 31767	0. 011	0. 131	0. 019343	DC	SLC37A3
WEE1. 1	1. 30E-06	-0. 23635	0. 021	0. 152	0. 019445	DC	WEE1
ATN1. 1	1. 31E-06	-0. 28467	0. 043	0. 186	0. 019584	DC	ATN1
HLA-F. 3	1. 32E-06	0. 26181	0. 273	0. 144	0. 019682	DC	HLA-F
LHFPL3. 3	1. 32E-06	-0. 34373	0. 005	0. 121	0. 019694	DC	LHFPL3
ZNF439. 2	1. 34E-06	-0. 27512	0. 021	0. 15	0. 019951	DC	ZNF439
RAB20. 3	1. 36E-06	0. 328476	0. 38	0. 234	0. 020303	DC	RAB20
TRIM36. 3	1. 37E-06	-0. 316	0. 043	0. 184	0. 020499	DC	TRIM36
GPT2. 1	1. 38E-06	-0. 30857	0. 021	0. 149	0. 020603	DC	GPT2
ATP5A1. 1	1. 38E-06	0. 138333	0. 802	0. 672	0. 02065	DC	ATP5A1
CLDN12. 3	1. 42E-06	-0. 28427	0. 016	0. 14	0. 021214	DC	CLDN12
C2orf80. 2	1. 43E-06	-0. 33494	0. 005	0. 121	0. 021398	DC	C2orf80
EFNA1. 1	1. 46E-06	-0. 40968	0. 011	0. 13	0. 021763	DC	EFNA1
UNC93B1. 3	1. 46E-06	0. 280449	0. 332	0. 199	0. 021833	DC	UNC93B1
TCF12. 3	1. 48E-06	-0. 34508	0. 118	0. 286	0. 02216	DC	TCF12
RP11-345F	1. 50E-06	-0. 2926	0. 032	0. 166	0. 022377	DC	RP11-345P4. 9



ZNF821.3	1.50E-06	-0.33317	0.032	0.165	0.022476	DC	ZNF821
SCD.3	1.51E-06	-0.43552	0.064	0.215	0.022501	DC	SCD
CES1	1.51E-06	0.150458	0.048	0.011	0.022516	DC	CES1
BCAM.1	1.52E-06	-0.25659	0	0.111	0.022644	DC	BCAM
XRRA1.1	1.52E-06	-0.27	0.011	0.131	0.022766	DC	XRRA1
FAM221A.3	1.53E-06	-0.4169	0.043	0.18	0.022938	DC	FAM221A
NXPH1.3	1.54E-06	-0.34293	0.016	0.138	0.022941	DC	NXPH1
ITGA7.1	1.54E-06	-0.24687	0.016	0.139	0.023018	DC	ITGA7
RHBDD2.2	1.55E-06	-0.38136	0.267	0.462	0.0231	DC	RHBDD2
LSM6.1	1.55E-06	0.302422	0.455	0.329	0.023119	DC	LSM6
MFGE8	1.56E-06	-0.27767	0.048	0.193	0.023376	DC	MFGE8
TMEM178A.1	1.57E-06	-0.28929	0.005	0.12	0.023526	DC	TMEM178A
GLCCI1.2	1.58E-06	-0.42987	0.027	0.153	0.02365	DC	GLCCI1
SLC4A4.1	1.60E-06	-0.31755	0	0.11	0.02386	DC	SLC4A4
BLOC1S6.2	1.60E-06	0.368843	0.374	0.258	0.023885	DC	BLOC1S6
KIF1A.2	1.61E-06	-0.39985	0.011	0.128	0.024049	DC	KIF1A
BRD8.1	1.63E-06	-0.33729	0.032	0.164	0.024311	DC	BRD8
CSPG5.2	1.65E-06	-0.37059	0	0.11	0.024621	DC	CSPG5
B2M.3	1.65E-06	-0.27471	1	0.97	0.024633	DC	B2M
C1QC.3	1.66E-06	0.133485	0.738	0.497	0.024793	DC	C1QC
KDM1A.1	1.67E-06	-0.32926	0.059	0.206	0.025004	DC	KDM1A
SIRPB1	1.69E-06	0.132147	0.048	0.011	0.025287	DC	SIRPB1
NPTXR.2	1.70E-06	-0.25655	0.011	0.129	0.0254	DC	NPTXR
PPP1R3B.1	1.72E-06	0.244803	0.15	0.065	0.025639	DC	PPP1R3B
FAM161A.1	1.72E-06	-0.28904	0	0.11	0.025672	DC	FAM161A
MSM01.2	1.74E-06	-0.36492	0.059	0.203	0.026017	DC	MSM01
SCARA3.2	1.75E-06	-0.22217	0.016	0.14	0.026112	DC	SCARA3
INSM1.3	1.77E-06	-0.32246	0.005	0.119	0.026407	DC	INSM1
MGLL.2	1.77E-06	-0.33809	0.021	0.147	0.026473	DC	MGLL
DEK.3	1.77E-06	0.274109	0.588	0.462	0.02648	DC	DEK
PIK3AP1.3	1.77E-06	0.241678	0.15	0.063	0.026484	DC	PIK3AP1
PELI2	1.78E-06	0.20331	0.08	0.025	0.026586	DC	PELI2
SEPT10.2	1.81E-06	-0.27568	0.005	0.119	0.026996	DC	10-Sep
CPNE2.3	1.81E-06	-0.3541	0.043	0.18	0.027113	DC	CPNE2
NFIL3.3	1.83E-06	0.28554	0.176	0.082	0.027327	DC	NFIL3
CNRIP1.1	1.83E-06	-0.34917	0.059	0.207	0.027372	DC	CNRIP1
AKAP7.3	1.85E-06	-0.30035	0.053	0.197	0.027661	DC	AKAP7
ATP5F1.2	1.89E-06	0.127495	0.754	0.642	0.028314	DC	ATP5F1
ZNF358.2	1.91E-06	-0.22301	0.032	0.167	0.028576	DC	ZNF358
RYR1	1.92E-06	0.146639	0.059	0.015	0.028665	DC	RYR1
TXNIP.1	1.92E-06	0.217319	0.594	0.444	0.028692	DC	TXNIP
ICOSLG.3	1.98E-06	0.338999	0.187	0.089	0.029613	DC	ICOSLG
AQP4.2	1.98E-06	-0.49587	0.037	0.168	0.029635	DC	AQP4
PPAT.1	1.99E-06	-0.28455	0.021	0.146	0.029799	DC	PPAT
RFK.1	2.00E-06	-0.33354	0.086	0.24	0.029849	DC	RFK
SPATC1L.2	2.00E-06	-0.23883	0.053	0.197	0.029912	DC	SPATC1L
KIDINS220	2.01E-06	-0.32916	0.107	0.271	0.029971	DC	KIDINS220
MED19	2.02E-06	-0.33206	0.112	0.284	0.030137	DC	MED19
GNAQ.3	2.02E-06	0.373703	0.401	0.285	0.030248	DC	GNAQ
RSL1D1.1	2.05E-06	0.218603	0.61	0.495	0.030673	DC	RSL1D1
IQCK.1	2.06E-06	-0.28609	0.011	0.128	0.03072	DC	IQCK

ANK2. 3	2. 06E-06	-0. 24973	0. 032	0. 166	0. 030791	DC	ANK2
CDK4. 1	2. 07E-06	-0. 42584	0. 305	0. 487	0. 03095	DC	CDK4
GNA11	2. 07E-06	-0. 24579	0	0. 108	0. 030977	DC	GNA11
TMEM181. 3	2. 08E-06	-0. 20495	0. 032	0. 166	0. 031034	DC	TMEM181
RP4-665J2	2. 13E-06	-0. 28913	0. 011	0. 127	0. 031863	DC	RP4-665J23. 1
BAK1. 3	2. 13E-06	0. 359947	0. 214	0. 114	0. 031894	DC	BAK1
PRTFDC1	2. 15E-06	-0. 31189	0. 016	0. 137	0. 032182	DC	PRTFDC1
NNMT. 1	2. 17E-06	-0. 65273	0. 032	0. 16	0. 032416	DC	NNMT
VWA1. 3	2. 20E-06	-0. 28815	0. 021	0. 146	0. 032834	DC	VWA1
SDC2. 3	2. 20E-06	0. 456633	0. 305	0. 19	0. 032933	DC	SDC2
KIF2A. 3	2. 22E-06	-0. 35114	0. 086	0. 238	0. 033104	DC	KIF2A
ATP1A1. 1	2. 22E-06	0. 21597	0. 594	0. 471	0. 03321	DC	ATP1A1
C11orf96.	2. 23E-06	-0. 35993	0. 016	0. 136	0. 033389	DC	C11orf96
SLC16A1. 3	2. 24E-06	-0. 3406	0. 08	0. 236	0. 033501	DC	SLC16A1
MAP1A. 2	2. 25E-06	-0. 30387	0. 075	0. 232	0. 033585	DC	MAP1A
SOX12. 2	2. 27E-06	-0. 24268	0. 005	0. 117	0. 033982	DC	SOX12
EFS. 1	2. 28E-06	-0. 30416	0	0. 107	0. 034021	DC	EFS
SLC35F1. 1	2. 31E-06	-0. 22833	0. 011	0. 128	0. 034452	DC	SLC35F1
MAT2A. 2	2. 31E-06	0. 331597	0. 497	0. 382	0. 034552	DC	MAT2A
UQCRB. 3	2. 31E-06	0. 135428	0. 781	0. 676	0. 034575	DC	UQCRB
GIPC1. 1	2. 32E-06	-0. 33548	0. 107	0. 27	0. 034706	DC	GIPC1
TMEM255B.	2. 32E-06	0. 243093	0. 134	0. 054	0. 034706	DC	TMEM255B
DLX1. 3	2. 33E-06	-0. 41426	0. 005	0. 117	0. 034751	DC	DLX1
SEMA4D. 3	2. 33E-06	0. 196354	0. 176	0. 079	0. 034871	DC	SEMA4D
MSANTD4	2. 34E-06	-0. 27918	0. 011	0. 127	0. 034913	DC	MSANTD4
RARRES2. 2	2. 34E-06	-0. 66096	0. 027	0. 151	0. 034944	DC	RARRES2
PTX3. 2	2. 35E-06	-0. 33122	0. 005	0. 117	0. 0351	DC	PTX3
ACYP1	2. 35E-06	-0. 33104	0. 043	0. 179	0. 035122	DC	ACYP1
CARD8. 2	2. 37E-06	0. 272063	0. 262	0. 147	0. 035492	DC	CARD8
PNPLA2. 3	2. 38E-06	0. 329088	0. 326	0. 21	0. 035558	DC	PNPLA2
TNPO2. 1	2. 38E-06	-0. 25437	0. 043	0. 182	0. 035608	DC	TNPO2
RASSF8-AS	2. 39E-06	-0. 32864	0. 032	0. 162	0. 035647	DC	RASSF8-AS1
TNFRSF19.	2. 50E-06	-0. 22251	0	0. 107	0. 03736	DC	TNFRSF19
SPARC. 2	2. 50E-06	-0. 53253	0. 214	0. 387	0. 03743	DC	SPARC
AMER2. 2	2. 54E-06	-0. 44222	0. 005	0. 116	0. 037903	DC	AMER2
SIGIRR. 3	2. 54E-06	0. 394815	0. 31	0. 194	0. 037905	DC	SIGIRR
DAAM1. 1	2. 56E-06	-0. 38449	0. 091	0. 243	0. 038261	DC	DAAM1
ROCK2	2. 58E-06	-0. 25401	0. 027	0. 154	0. 03851	DC	ROCK2
KCNE4. 1	2. 58E-06	-0. 25139	0	0. 106	0. 038544	DC	KCNE4
CPXM1. 2	2. 59E-06	-0. 27043	0. 011	0. 126	0. 038732	DC	CPXM1
ZSCAN18. 1	2. 63E-06	-0. 26718	0. 08	0. 234	0. 03927	DC	ZSCAN18
FRMD4B. 3	2. 63E-06	0. 254436	0. 283	0. 157	0. 039346	DC	FRMD4B
CHL1. 1	2. 65E-06	-0. 2843	0. 027	0. 155	0. 039552	DC	CHL1
DTNA. 2	2. 65E-06	-0. 38926	0. 096	0. 255	0. 039666	DC	DTNA
CLIC2. 1	2. 67E-06	0. 321797	0. 112	0. 043	0. 039889	DC	CLIC2
ZNF827. 2	2. 73E-06	-0. 24368	0. 005	0. 116	0. 040722	DC	ZNF827
CTC-428H1	2. 73E-06	0. 199268	0. 07	0. 02	0. 040767	DC	CTC-428H11. 2
ALDH7A1	2. 73E-06	-0. 27753	0. 112	0. 278	0. 040862	DC	ALDH7A1
FLOT1. 3	2. 75E-06	0. 2329	0. 615	0. 501	0. 041053	DC	FLOT1
PDLIM3. 2	2. 77E-06	-0. 40056	0. 005	0. 116	0. 041326	DC	PDLIM3
NT5C3B. 2	2. 77E-06	-0. 33851	0. 16	0. 334	0. 041386	DC	NT5C3B

PALM. 1	2. 77E-06	-0. 23822	0	0. 106	0. 041451	DC	PALM
ARL9. 2	2. 77E-06	-0. 24629	0	0. 106	0. 041451	DC	ARL9
TSPAN3. 2	2. 78E-06	-0. 31508	0. 283	0. 462	0. 041563	DC	TSPAN3
SEPP1. 2	2. 79E-06	-0. 67186	0. 176	0. 331	0. 041677	DC	SEPP1
SLC25A23. 2	2. 80E-06	-0. 22468	0. 016	0. 135	0. 041916	DC	SLC25A23
PDGFRA. 2	2. 84E-06	-0. 37217	0. 027	0. 15	0. 042378	DC	PDGFRA
SMDT1. 1	2. 84E-06	0. 176357	0. 668	0. 557	0. 042403	DC	SMDT1
EHMT2. 2	2. 85E-06	-0. 30014	0. 059	0. 203	0. 042571	DC	EHMT2
AHCYL1. 3	2. 87E-06	-0. 39663	0. 155	0. 33	0. 042874	DC	AHCYL1
ABAT. 3	2. 87E-06	-0. 28501	0. 032	0. 162	0. 042955	DC	ABAT
MTDH. 3	2. 90E-06	0. 195028	0. 727	0. 608	0. 04332	DC	MTDH
PPP1R18. 3	2. 90E-06	0. 328278	0. 417	0. 291	0. 043344	DC	PPP1R18
HMGB3. 2	2. 93E-06	-0. 33591	0. 118	0. 281	0. 04376	DC	HMGB3
DNALI1. 2	2. 94E-06	-0. 2905	0. 005	0. 115	0. 043888	DC	DNALI1
ID3. 3	2. 95E-06	0. 138827	0. 412	0. 262	0. 044063	DC	ID3
CAMK1. 2	2. 95E-06	0. 414728	0. 337	0. 224	0. 044147	DC	CAMK1
RPAP2. 1	2. 95E-06	-0. 28434	0. 048	0. 187	0. 044159	DC	RPAP2
ZBTB8A. 2	2. 98E-06	-0. 30009	0	0. 105	0. 044574	DC	ZBTB8A
RP11-792A	3. 00E-06	-0. 37067	0. 07	0. 212	0. 044782	DC	RP11-792A8. 4
UCHL3. 1	3. 03E-06	0. 336123	0. 369	0. 245	0. 045262	DC	UCHL3
LGALS3BP. 3	3. 04E-06	-0. 46571	0. 273	0. 452	0. 045386	DC	LGALS3BP
PIPOX. 2	3. 06E-06	-0. 27687	0. 016	0. 134	0. 045722	DC	PIPOX
IKBIP. 2	3. 10E-06	0. 234206	0. 353	0. 224	0. 046383	DC	IKBIP
CBR4. 3	3. 12E-06	-0. 35425	0. 053	0. 19	0. 046638	DC	CBR4
MACF1. 1	3. 13E-06	-0. 25857	0. 144	0. 325	0. 046803	DC	MACF1
SPATS2L. 2	3. 14E-06	-0. 33541	0. 155	0. 335	0. 046935	DC	SPATS2L
LTBP3. 1	3. 16E-06	-0. 32041	0. 07	0. 212	0. 047234	DC	LTBP3
CAMSAP2. 1	3. 16E-06	-0. 26924	0. 027	0. 151	0. 04727	DC	CAMSAP2
TLN1. 3	3. 20E-06	0. 298981	0. 406	0. 283	0. 047894	DC	TLN1
JMJD1C. 3	3. 25E-06	0. 357317	0. 444	0. 332	0. 048507	DC	JMJD1C
KLHL42. 2	3. 26E-06	-0. 23596	0. 032	0. 161	0. 048684	DC	KLHL42
EIF4EBP2. 3	3. 26E-06	0. 327638	0. 246	0. 139	0. 048751	DC	EIF4EBP2
LYRM9. 2	3. 27E-06	-0. 3585	0. 043	0. 175	0. 048869	DC	LYRM9
MESP1	3. 29E-06	-0. 24784	0. 016	0. 133	0. 049129	DC	MESP1
DIRAS1. 1	3. 30E-06	-0. 24232	0. 005	0. 115	0. 049322	DC	DIRAS1
LAMC1. 1	3. 34E-06	-0. 20932	0	0. 104	0. 049958	DC	LAMC1
ADORA1. 1	3. 36E-06	-0. 28969	0. 011	0. 124	0. 050263	DC	ADORA1
ATP9A. 2	3. 41E-06	-0. 26884	0. 005	0. 114	0. 050912	DC	ATP9A
SHISA4. 2	3. 42E-06	-0. 28593	0. 091	0. 249	0. 051089	DC	SHISA4
ANKIB1. 2	3. 44E-06	-0. 2794	0. 064	0. 211	0. 051451	DC	ANKIB1
TRIM24. 3	3. 47E-06	-0. 26552	0. 053	0. 194	0. 0518	DC	TRIM24
GTF2H2. 1	3. 52E-06	-0. 25348	0. 048	0. 187	0. 052569	DC	GTF2H2
MTUS1. 2	3. 53E-06	-0. 37833	0. 027	0. 149	0. 052729	DC	MTUS1
FRYL. 3	3. 55E-06	-0. 24791	0. 053	0. 19	0. 053001	DC	FRYL
DBI. 3	3. 60E-06	-0. 32755	0. 861	0. 843	0. 053822	DC	DBI
GPR84. 3	3. 60E-06	0. 32339	0. 16	0. 072	0. 053867	DC	GPR84
TMEM132B. 3	3. 63E-06	-0. 23795	0	0. 103	0. 054271	DC	TMEM132B
AKAP6. 2	3. 63E-06	-0. 28472	0	0. 103	0. 054271	DC	AKAP6
SUN1. 3	3. 72E-06	-0. 30188	0. 064	0. 21	0. 055591	DC	SUN1
ATP1A3. 2	3. 73E-06	-0. 38456	0. 011	0. 122	0. 055762	DC	ATP1A3
SERP2. 1	3. 75E-06	-0. 29963	0	0. 103	0. 055982	DC	SERP2

ACTR3.1	3.76E-06	0.187412	0.642	0.558	0.056186	DC	ACTR3
PFKFB3.3	3.77E-06	0.388718	0.364	0.242	0.056302	DC	PFKFB3
SCIMP.3	3.77E-06	0.246293	0.176	0.081	0.056363	DC	SCIMP
MUM1.3	3.78E-06	-0.33993	0.187	0.367	0.056485	DC	MUM1
NDP.1	3.79E-06	-0.30538	0.005	0.113	0.056578	DC	NDP
ID1.1	3.81E-06	-0.34089	0.011	0.122	0.056869	DC	ID1
MARCH9.2	3.84E-06	-0.3742	0.032	0.156	0.057391	DC	9-Mar
PSMA4.1	3.85E-06	0.177803	0.652	0.536	0.057473	DC	PSMA4
NT5DC2.2	3.85E-06	-0.27076	0.037	0.166	0.057473	DC	NT5DC2
HOXA7.1	3.86E-06	-0.35999	0	0.103	0.057745	DC	HOXA7
ITGB1.2	3.87E-06	0.241967	0.524	0.383	0.057862	DC	ITGB1
DAZAP2.2	3.89E-06	0.221827	0.642	0.535	0.058196	DC	DAZAP2
LAMA5.1	3.98E-06	-0.21101	0.005	0.113	0.059492	DC	LAMA5
PXDN	3.99E-06	-0.23897	0	0.103	0.059564	DC	PXDN
H1FX.3	4.00E-06	-0.36687	0.214	0.387	0.059807	DC	H1FX
ARHGAP21.1	4.06E-06	-0.34447	0.096	0.253	0.060697	DC	ARHGAP21
C5AR1.3	4.08E-06	0.227611	0.39	0.235	0.060929	DC	C5AR1
DTYMK.2	4.08E-06	-0.35651	0.16	0.332	0.061045	DC	DTYMK
NAP1L1.1	4.12E-06	0.133517	0.786	0.672	0.061571	DC	NAP1L1
CD200.3	4.16E-06	-0.31838	0.005	0.112	0.062183	DC	CD200
ARHGAP12.1	4.17E-06	-0.30162	0.053	0.191	0.062304	DC	ARHGAP12
SNAPC3.1	4.19E-06	-0.31522	0.021	0.138	0.062648	DC	SNAPC3
RENBP.3	4.29E-06	0.25539	0.251	0.134	0.064141	DC	RENBP
COLGALT2.1	4.40E-06	-0.26233	0.021	0.141	0.06577	DC	COLGALT2
LINC00094	4.44E-06	-0.24176	0.016	0.131	0.066369	DC	LINC00094
HSPA5.2	4.46E-06	0.137285	0.807	0.654	0.066716	DC	HSPA5
PLCG1.1	4.47E-06	-0.23047	0	0.102	0.066729	DC	PLCG1
MAP4.1	4.47E-06	-0.30847	0.16	0.338	0.066818	DC	MAP4
YWHAG.3	4.52E-06	-0.34404	0.214	0.393	0.067483	DC	YWHAG
SHD.2	4.52E-06	-0.40507	0.016	0.128	0.067493	DC	SHD
ZNF677.1	4.54E-06	-0.26557	0.059	0.199	0.067861	DC	ZNF677
CLCN3.1	4.58E-06	-0.29077	0.096	0.251	0.068507	DC	CLCN3
B3GNT2.3	4.59E-06	0.291705	0.144	0.065	0.06859	DC	B3GNT2
TGFBR1.3	4.60E-06	0.300819	0.278	0.16	0.068668	DC	TGFBR1
RNF125.2	4.61E-06	0.1545	0.075	0.023	0.068849	DC	RNF125
EFHC1.3	4.61E-06	-0.32337	0.064	0.207	0.068964	DC	EFHC1
EEF1A1.3	4.62E-06	-0.28125	0.898	0.824	0.068986	DC	EEF1A1
SOGA1.2	4.68E-06	-0.28135	0.032	0.157	0.069952	DC	SOGA1
JUNB.1	4.68E-06	0.153873	0.85	0.722	0.069995	DC	JUNB
EFNB2.2	4.75E-06	-0.2024	0	0.101	0.070989	DC	EFNB2
NUP160.1	4.76E-06	-0.3228	0.037	0.164	0.071074	DC	NUP160
SRSF10.2	4.77E-06	-0.37807	0.091	0.242	0.071274	DC	SRSF10
SLAMF8.3	4.78E-06	0.234691	0.144	0.062	0.071367	DC	SLAMF8
GPR108.2	4.79E-06	0.340035	0.374	0.264	0.071581	DC	GPR108
AGAP1.1	4.82E-06	-0.25497	0.011	0.121	0.071983	DC	AGAP1
IGSF10	4.85E-06	-0.21717	0	0.101	0.072468	DC	IGSF10
TRAPPC6A.1	4.86E-06	0.295147	0.385	0.257	0.07262	DC	TRAPPC6A
MORF4L2.2	4.86E-06	-0.32592	0.449	0.628	0.07267	DC	MORF4L2
PHLDA3	4.87E-06	-0.2579	0.043	0.173	0.072722	DC	PHLDA3
SKP1.2	4.87E-06	-0.25979	0.877	0.864	0.072766	DC	SKP1
RFTN2.3	4.94E-06	-0.34333	0.016	0.129	0.073854	DC	RFTN2

PSMB8.1	5.00E-06	0.225628	0.54	0.413	0.074648	DC	PSMB8
AUTS2.3	5.05E-06	-0.27202	0.011	0.12	0.075469	DC	AUTS2
KLHL13.2	5.11E-06	-0.2313	0	0.101	0.076299	DC	KLHL13
COPS8.3	5.12E-06	-0.43584	0.299	0.472	0.076538	DC	COPS8
RP11-262H	5.14E-06	-0.26891	0.011	0.12	0.07685	DC	RP11-262H14.4
FBX03.1	5.15E-06	-0.29804	0.043	0.172	0.076997	DC	FBX03
PAM.2	5.15E-06	-0.20987	0.037	0.167	0.077005	DC	PAM
MAML3.2	5.21E-06	0.183164	0.096	0.034	0.077885	DC	MAML3
FBX032.3	5.22E-06	-0.37963	0.032	0.156	0.077958	DC	FBX032
ANKS1B.2	5.28E-06	-0.41474	0.005	0.109	0.078886	DC	ANKS1B
PLA2G5.2	5.31E-06	-0.4739	0.005	0.11	0.079395	DC	PLA2G5
CDC42EP1.	5.32E-06	-0.2812	0.016	0.13	0.079575	DC	CDC42EP1
ASRGL1.3	5.47E-06	-0.3002	0.064	0.203	0.081796	DC	ASRGL1
TMEM51.2	5.50E-06	0.279075	0.219	0.117	0.082176	DC	TMEM51
PDCD4.3	5.51E-06	0.234792	0.262	0.147	0.082355	DC	PDCD4
SEZ6L.2	5.54E-06	-0.33365	0.021	0.137	0.082827	DC	SEZ6L
RP11-47L3	5.54E-06	0.126237	0.043	0.009	0.082858	DC	RP11-47L3.1
ANKRD35	5.63E-06	-0.23268	0.021	0.139	0.084156	DC	ANKRD35
TMEM99.2	5.64E-06	-0.25258	0.016	0.129	0.084286	DC	TMEM99
RIPK3.1	5.64E-06	0.129805	0.064	0.018	0.08434	DC	RIPK3
LANCL2.3	5.70E-06	-0.29953	0.032	0.154	0.085208	DC	LANCL2
GDAP1.3	5.70E-06	-0.33846	0.032	0.154	0.085208	DC	GDAP1
GABARAP.1	5.74E-06	0.217267	0.583	0.459	0.085735	DC	GABARAP
WHSC1.2	5.82E-06	-0.25849	0.032	0.155	0.086977	DC	WHSC1
ZEB1.3	5.83E-06	-0.26803	0.059	0.195	0.087188	DC	ZEB1
DCTN4.2	5.85E-06	-0.30659	0.053	0.187	0.087446	DC	DCTN4
ELN.1	5.89E-06	-0.32778	0.005	0.11	0.08809	DC	ELN
FAM78A.2	5.90E-06	0.189776	0.096	0.035	0.088138	DC	FAM78A
ACAP3.3	5.93E-06	-0.31062	0.075	0.218	0.08857	DC	ACAP3
PRDX3.1	5.94E-06	0.197696	0.588	0.465	0.088708	DC	PRDX3
JDP2.3	6.01E-06	0.223165	0.155	0.069	0.089847	DC	JDP2
THAP5.1	6.03E-06	-0.28175	0.048	0.181	0.090134	DC	THAP5
GRK4.1	6.08E-06	-0.26398	0	0.099	0.090884	DC	GRK4
CEP70.1	6.08E-06	-0.26784	0	0.099	0.090884	DC	CEP70
TMEM52B.3	6.12E-06	0.167107	0.118	0.046	0.091403	DC	TMEM52B
PLEKHA4.2	6.18E-06	-0.2404	0.016	0.128	0.092416	DC	PLEKHA4
ANP32A.3	6.18E-06	0.227681	0.54	0.426	0.092417	DC	ANP32A
VEZF1.3	6.18E-06	-0.31418	0.091	0.24	0.092427	DC	VEZF1
UQCRC2	6.19E-06	0.184999	0.62	0.511	0.092561	DC	UQCRC2
FZD7	6.21E-06	-0.21418	0	0.099	0.092771	DC	FZD7
PREPL.1	6.24E-06	-0.25787	0.053	0.191	0.093183	DC	PREPL
JAG1.2	6.24E-06	-0.28791	0.037	0.161	0.093289	DC	JAG1
USMG5.2	6.28E-06	0.140239	0.733	0.618	0.093898	DC	USMG5
RP11-514C	6.33E-06	0.180019	0.08	0.026	0.094656	DC	RP11-514012.4
SPCS3.3	6.34E-06	0.320822	0.433	0.324	0.094683	DC	SPCS3
CBY1.1	6.35E-06	-0.30274	0.037	0.161	0.09488	DC	CBY1
C19orf12.	6.40E-06	-0.28936	0.027	0.144	0.095626	DC	C19orf12
LRRN1.2	6.43E-06	-0.29968	0.005	0.108	0.096105	DC	LRRN1
CYR61.1	6.52E-06	-0.43655	0.043	0.17	0.097448	DC	CYR61
POU2F2.3	6.56E-06	0.281937	0.246	0.133	0.097982	DC	POU2F2
POU2F1.2	6.62E-06	-0.26659	0.037	0.163	0.098907	DC	POU2F1

ZNF420.1	6.64E-06	-0.28539	0.005	0.108	0.099269	DC	ZNF420
ARRB1.2	6.65E-06	0.151115	0.107	0.04	0.099367	DC	ARRB1
CDKN2D.3	6.66E-06	-0.27917	0.037	0.162	0.099477	DC	CDKN2D
SFMBT2.3	6.66E-06	0.247426	0.166	0.076	0.09957	DC	SFMBT2
RASSF7.3	6.67E-06	0.295298	0.15	0.069	0.099683	DC	RASSF7
SLC10A4.2	6.81E-06	-0.20591	0	0.098	0.101753	DC	SLC10A4
SELK.3	6.83E-06	0.121347	0.802	0.699	0.102142	DC	SELK
UXT.2	6.84E-06	0.195606	0.647	0.536	0.102191	DC	UXT
LBH.3	6.85E-06	-0.44365	0.037	0.155	0.102373	DC	LBH
NAIP.3	6.96E-06	0.247495	0.209	0.107	0.103941	DC	NAIP
NELL2.1	7.05E-06	-0.29603	0.005	0.108	0.10532	DC	NELL2
SOD1.2	7.05E-06	-0.3246	0.684	0.758	0.105342	DC	SOD1
MAP6.1	7.09E-06	-0.21895	0	0.098	0.106016	DC	MAP6
CTSA.3	7.10E-06	0.300013	0.508	0.397	0.106071	DC	CTSA
CTD-2020K	7.10E-06	0.133855	0.075	0.023	0.106159	DC	CTD-2020K17.1
TGFB1I1.2	7.12E-06	-0.21168	0.016	0.128	0.106469	DC	TGFB1I1
ENDOD1.1	7.16E-06	-0.2449	0.027	0.145	0.106951	DC	ENDOD1
ORMDL2.1	7.22E-06	0.291022	0.401	0.27	0.107845	DC	ORMDL2
ATL1	7.29E-06	-0.29503	0.011	0.118	0.108876	DC	ATL1
NUFIP1.1	7.37E-06	-0.28889	0.011	0.117	0.110123	DC	NUFIP1
GGPS1.2	7.56E-06	-0.30312	0.15	0.32	0.112954	DC	GGPS1
ZNRF1.3	7.56E-06	-0.20035	0.011	0.118	0.112994	DC	ZNRF1
NLN.1	7.56E-06	-0.25599	0.053	0.187	0.113016	DC	NLN
RAB9A.1	7.64E-06	-0.3702	0.144	0.306	0.1141	DC	RAB9A
TMEM243.1	7.64E-06	0.322029	0.321	0.2	0.114145	DC	TMEM243
CCDC34.1	7.72E-06	-0.29842	0.043	0.169	0.115359	DC	CCDC34
CDH11.1	7.74E-06	-0.26126	0.011	0.117	0.11561	DC	CDH11
DIRAS3.2	7.79E-06	-0.50775	0.016	0.125	0.116444	DC	DIRAS3
P2RY6.2	7.84E-06	0.184781	0.091	0.032	0.117235	DC	P2RY6
LRRC4C.1	7.86E-06	-0.30406	0	0.097	0.11746	DC	LRRC4C
GATAD1.1	7.90E-06	-0.24588	0.064	0.203	0.118117	DC	GATAD1
TMEM121.2	7.91E-06	-0.23513	0.005	0.107	0.118133	DC	TMEM121
LINC01003	8.02E-06	-0.26499	0.059	0.194	0.119904	DC	LINC01003
AASS.1	8.11E-06	-0.26229	0.011	0.117	0.121237	DC	AASS
DYNC1I1.3	8.23E-06	-0.38015	0.005	0.106	0.122964	DC	DYNC1I1
SQLE.1	8.24E-06	-0.31064	0.102	0.251	0.123132	DC	SQLE
TMEM25.2	8.26E-06	-0.28011	0.016	0.124	0.123494	DC	TMEM25
MANBA.3	8.30E-06	0.35794	0.219	0.119	0.124016	DC	MANBA
MMAB.1	8.30E-06	-0.29866	0.064	0.199	0.124076	DC	MMAB
FAM210B.3	8.36E-06	-0.28477	0.118	0.272	0.124863	DC	FAM210B
ATP5L2	8.38E-06	0.188838	0.187	0.091	0.125245	DC	ATP5L2
DNASE1L1	8.42E-06	0.253072	0.155	0.071	0.125775	DC	DNASE1L1
TBCB.1	8.43E-06	-0.32508	0.535	0.66	0.126043	DC	TBCB
HTRA1.3	8.44E-06	-0.34358	0.278	0.463	0.12616	DC	HTRA1
SEC14L2.2	8.48E-06	-0.23076	0.011	0.117	0.126662	DC	SEC14L2
SRRM1	8.49E-06	0.221442	0.615	0.516	0.126874	DC	SRRM1
ANKS3.1	8.51E-06	-0.23214	0.043	0.17	0.127117	DC	ANKS3
CPT1C.1	8.56E-06	-0.25605	0.005	0.107	0.127952	DC	CPT1C
CBX5.2	8.60E-06	-0.34982	0.176	0.347	0.128528	DC	CBX5
CSNK1E.2	8.70E-06	-0.28144	0.144	0.309	0.129987	DC	CSNK1E
ZNF254	8.70E-06	-0.28186	0.027	0.143	0.130078	DC	ZNF254

INPP5D. 3	8. 75E-06	0. 235078	0. 176	0. 084	0. 130803	DC	INPP5D
LINC00657	8. 78E-06	-0. 31852	0. 16	0. 334	0. 131141	DC	LINC00657
CSF1. 1	8. 89E-06	-0. 24669	0	0. 096	0. 132812	DC	CSF1
SH3YL1. 2	8. 89E-06	-0. 32239	0. 053	0. 184	0. 132889	DC	SH3YL1
FGD3. 2	8. 98E-06	0. 219192	0. 102	0. 038	0. 134181	DC	FGD3
TRAPPC1	9. 00E-06	0. 135894	0. 733	0. 613	0. 134537	DC	TRAPPC1
TTC3. 2	9. 03E-06	-0. 36262	0. 38	0. 518	0. 134891	DC	TTC3
NFE2L3	9. 12E-06	0. 269583	0. 086	0. 03	0. 136262	DC	NFE2L3
ZNF579. 2	9. 12E-06	-0. 21258	0. 011	0. 116	0. 136309	DC	ZNF579
THSD1. 1	9. 16E-06	-0. 20041	0	0. 096	0. 136949	DC	THSD1
FGF1. 1	9. 35E-06	-0. 30926	0	0. 095	0. 139778	DC	FGF1
ABCA7	9. 38E-06	0. 139937	0. 053	0. 014	0. 140202	DC	ABCA7
TRIM22. 2	9. 39E-06	0. 244588	0. 241	0. 133	0. 140308	DC	TRIM22
ADRBK2. 3	9. 39E-06	0. 275335	0. 123	0. 052	0. 140356	DC	ADRBK2
TM4SF1. 3	9. 40E-06	-0. 3245	0. 011	0. 114	0. 140464	DC	TM4SF1
IPO9. 1	9. 46E-06	-0. 20716	0. 086	0. 234	0. 14143	DC	IPO9
NLGN3. 2	9. 49E-06	-0. 26941	0. 011	0. 115	0. 141858	DC	NLGN3
TMEM14C. 1	9. 50E-06	0. 145964	0. 695	0. 589	0. 141978	DC	TMEM14C
KIAA1549. 9	9. 55E-06	-0. 25733	0	0. 095	0. 142664	DC	KIAA1549
SECISBP2L	9. 59E-06	-0. 29874	0. 048	0. 176	0. 143371	DC	SECISBP2L
MTSS1L. 1	9. 64E-06	-0. 23525	0	0. 095	0. 14413	DC	MTSS1L
PTRH1. 1	9. 66E-06	-0. 11772	0. 053	0. 189	0. 14438	DC	PTRH1
CAMK2B. 2	9. 68E-06	-0. 26389	0. 011	0. 115	0. 14461	DC	CAMK2B
TSPYL5	9. 69E-06	0. 103821	0. 043	0. 01	0. 144823	DC	TSPYL5
COPS7B	9. 70E-06	-0. 30647	0. 064	0. 199	0. 145019	DC	COPS7B
CORO1B. 3	9. 74E-06	0. 243979	0. 471	0. 359	0. 145577	DC	CORO1B
NACA2	9. 76E-06	0. 286682	0. 283	0. 166	0. 145914	DC	NACA2
COX7B. 1	9. 80E-06	0. 131086	0. 781	0. 64	0. 146498	DC	COX7B
NTRK2. 2	1. 00E-05	-0. 4653	0. 016	0. 122	0. 150005	DC	NTRK2
LRRC58. 2	1. 00E-05	-0. 21115	0. 07	0. 209	0. 150161	DC	LRRC58
FYN. 2	1. 01E-05	-0. 3308	0. 16	0. 329	0. 150747	DC	FYN
PIM2. 2	1. 01E-05	0. 288841	0. 123	0. 052	0. 151074	DC	PIM2
ATXN7L3B. 1	1. 03E-05	-0. 24369	0. 053	0. 183	0. 153402	DC	ATXN7L3B
MMP16. 1	1. 03E-05	-0. 23065	0. 005	0. 105	0. 153998	DC	MMP16
PFKM	1. 03E-05	-0. 25992	0. 053	0. 186	0. 15444	DC	PFKM
VPS35. 1	1. 03E-05	0. 220262	0. 529	0. 429	0. 154535	DC	VPS35
GAD1. 3	1. 03E-05	-0. 26219	0. 011	0. 115	0. 154603	DC	GAD1
CCDC80. 2	1. 04E-05	-0. 32444	0. 011	0. 114	0. 154874	DC	CCDC80
KIF3B. 3	1. 04E-05	-0. 2333	0. 021	0. 132	0. 155154	DC	KIF3B
CCL3. 3	1. 04E-05	0. 104212	0. 61	0. 419	0. 155634	DC	CCL3
CDK5R1. 3	1. 05E-05	-0. 27614	0	0. 095	0. 156399	DC	CDK5R1
SMARCD1. 3	1. 05E-05	-0. 21151	0. 075	0. 217	0. 156731	DC	SMARCD1
SOX21	1. 06E-05	-0. 19876	0	0. 094	0. 158003	DC	SOX21
POLR2F. 3	1. 08E-05	-0. 35078	0. 39	0. 544	0. 161442	DC	POLR2F
DYNLL2. 3	1. 08E-05	-0. 23859	0. 07	0. 208	0. 162025	DC	DYNLL2
CPNE4. 1	1. 09E-05	-0. 19588	0	0. 094	0. 162915	DC	CPNE4
SEPT4. 3	1. 09E-05	-0. 42082	0. 021	0. 132	0. 162963	DC	4-Sep
APBB2. 2	1. 11E-05	-0. 25263	0. 011	0. 114	0. 166322	DC	APBB2
PCDHB10. 2	1. 15E-05	-0. 28194	0. 005	0. 104	0. 171128	DC	PCDHB10
RP11-742E	1. 15E-05	0. 175499	0. 086	0. 03	0. 171215	DC	RP11-742B18. 1
KIF9. 3	1. 15E-05	-0. 27569	0. 048	0. 176	0. 171669	DC	KIF9

FAM57B. 2	1. 16E-05	-0. 29091	0	0. 094	0. 173194	DC	FAM57B
CERCAM. 1	1. 17E-05	-0. 27867	0. 021	0. 131	0. 174561	DC	CERCAM
DZIP1. 2	1. 17E-05	-0. 19355	0. 005	0. 104	0. 174877	DC	DZIP1
NRP2. 3	1. 17E-05	-0. 33045	0. 086	0. 223	0. 175143	DC	NRP2
LRRTM2. 2	1. 18E-05	-0. 19875	0. 005	0. 104	0. 175956	DC	LRRTM2
CHCHD6. 1	1. 18E-05	-0. 23805	0. 091	0. 238	0. 1763	DC	CHCHD6
RSU1	1. 19E-05	0. 312272	0. 374	0. 267	0. 17722	DC	RSU1
LGR4. 3	1. 19E-05	-0. 1895	0. 005	0. 104	0. 17815	DC	LGR4
CASP3. 2	1. 20E-05	-0. 27873	0. 064	0. 199	0. 178771	DC	CASP3
GALK1. 3	1. 20E-05	0. 296802	0. 31	0. 202	0. 178779	DC	GALK1
SMAD5. 2	1. 20E-05	-0. 29237	0. 048	0. 173	0. 178957	DC	SMAD5
NME7. 3	1. 21E-05	-0. 31554	0. 043	0. 163	0. 180383	DC	NME7
MCC. 1	1. 21E-05	-0. 19906	0. 016	0. 123	0. 180812	DC	MCC
TAPBP. 3	1. 21E-05	0. 259251	0. 449	0. 341	0. 181289	DC	TAPBP
FAM127A	1. 21E-05	-0. 28207	0. 273	0. 462	0. 181504	DC	FAM127A
GDAP1L1. 2	1. 22E-05	-0. 3623	0. 005	0. 102	0. 18225	DC	GDAP1L1
SFXN1. 1	1. 23E-05	-0. 29698	0. 08	0. 219	0. 183079	DC	SFXN1
TUBB4A. 3	1. 25E-05	-0. 49366	0. 016	0. 12	0. 186327	DC	TUBB4A
FAM171B. 1	1. 25E-05	-0. 2528	0. 011	0. 112	0. 187268	DC	FAM171B
ST8SIA1. 1	1. 26E-05	-0. 21144	0	0. 093	0. 187902	DC	ST8SIA1
PEMT. 2	1. 26E-05	-0. 28875	0. 075	0. 215	0. 188355	DC	PEMT
SCCPDH. 1	1. 26E-05	-0. 36628	0. 209	0. 38	0. 188986	DC	SCCPDH
FOXJ3. 1	1. 27E-05	-0. 23291	0. 011	0. 113	0. 1891	DC	FOXJ3
ACSS3. 1	1. 28E-05	-0. 204	0. 011	0. 113	0. 190941	DC	ACSS3
ARNT2. 3	1. 28E-05	-0. 21967	0. 011	0. 113	0. 191695	DC	ARNT2
LINC00632	1. 28E-05	-0. 34164	0	0. 093	0. 191768	DC	LINC00632
LAMB1	1. 28E-05	-0. 2175	0. 005	0. 103	0. 191773	DC	LAMB1
DCAKD. 2	1. 29E-05	-0. 24534	0. 027	0. 14	0. 192033	DC	DCAKD
USP46. 3	1. 30E-05	-0. 25566	0. 027	0. 139	0. 193543	DC	USP46
ADORA3. 3	1. 30E-05	0. 174991	0. 439	0. 258	0. 193826	DC	ADORA3
SEPT7. 3	1. 30E-05	-0. 32819	0. 631	0. 704	0. 193907	DC	7-Sep
NEIL2. 2	1. 30E-05	-0. 22565	0. 064	0. 201	0. 194402	DC	NEIL2
SYT1. 3	1. 30E-05	-0. 40076	0. 005	0. 101	0. 195011	DC	SYT1
ALKBH2. 3	1. 31E-05	-0. 24693	0. 064	0. 197	0. 196164	DC	ALKBH2
COMMD9. 2	1. 32E-05	0. 400019	0. 406	0. 308	0. 197238	DC	COMMD9
STK25. 3	1. 32E-05	-0. 27791	0. 144	0. 305	0. 1973	DC	STK25
DNAL4. 1	1. 33E-05	-0. 26519	0. 021	0. 129	0. 198134	DC	DNAL4
B4GALNT1. 1	1. 33E-05	-0. 3873	0. 032	0. 145	0. 198315	DC	B4GALNT1
TUBG1. 1	1. 34E-05	-0. 2629	0. 091	0. 236	0. 200402	DC	TUBG1
SLC2A9. 1	1. 34E-05	0. 124049	0. 075	0. 024	0. 200727	DC	SLC2A9
C20orf27. 1	1. 34E-05	0. 252009	0. 465	0. 358	0. 200968	DC	C20orf27
RBM4B. 1	1. 35E-05	-0. 30947	0. 064	0. 194	0. 202297	DC	RBM4B
KLC1. 3	1. 36E-05	-0. 29519	0. 193	0. 362	0. 203045	DC	KLC1
CCDC102B. 1	1. 37E-05	-0. 26046	0. 005	0. 102	0. 204245	DC	CCDC102B
TNFAIP8L3	1. 37E-05	0. 224497	0. 08	0. 028	0. 204612	DC	TNFAIP8L3
ZHX3. 1	1. 37E-05	-0. 19103	0. 016	0. 121	0. 205314	DC	ZHX3
CADM3. 1	1. 38E-05	-0. 4351	0. 005	0. 102	0. 206248	DC	CADM3
NKAIN4. 2	1. 38E-05	-0. 37792	0. 005	0. 102	0. 206428	DC	NKAIN4
ZNF385D. 1	1. 38E-05	-0. 22922	0. 011	0. 112	0. 206538	DC	ZNF385D
BIVM. 1	1. 38E-05	-0. 22902	0. 011	0. 112	0. 206754	DC	BIVM
VDAC2	1. 38E-05	0. 129077	0. 759	0. 637	0. 206787	DC	VDAC2



MAN2B1.3	1.39E-05	0.217343	0.144	0.066	0.207128	DC	MAN2B1
ITPRIP.3	1.39E-05	0.262066	0.155	0.074	0.20713	DC	ITPRIP
LIFR	1.40E-05	-0.25423	0.011	0.111	0.209049	DC	LIFR
CD59.3	1.40E-05	-0.41342	0.39	0.556	0.209365	DC	CD59
YAE1D1.1	1.41E-05	-0.30792	0.043	0.162	0.210959	DC	YAE1D1
RAB3A.3	1.41E-05	-0.38292	0.048	0.166	0.21121	DC	RAB3A
CLASP1.2	1.42E-05	-0.24094	0.027	0.14	0.211747	DC	CLASP1
TOR4A.2	1.42E-05	0.140662	0.075	0.024	0.212001	DC	TOR4A
TLE2.2	1.42E-05	-0.24562	0	0.092	0.212306	DC	TLE2
TNFAIP6.1	1.43E-05	-0.43597	0.011	0.111	0.213923	DC	TNFAIP6
B9D1.1	1.45E-05	-0.25851	0.005	0.102	0.217292	DC	B9D1
LINC00511	1.46E-05	-0.25064	0.016	0.121	0.217645	DC	LINC00511
ZNF146.1	1.46E-05	-0.2253	0.086	0.23	0.21793	DC	ZNF146
UBXN1.3	1.46E-05	0.174858	0.717	0.619	0.218252	DC	UBXN1
ZNF559.2	1.47E-05	-0.29147	0.032	0.147	0.219109	DC	ZNF559
MBD3.1	1.49E-05	-0.21283	0.043	0.166	0.222212	DC	MBD3
PTS.2	1.49E-05	-0.2938	0.166	0.329	0.22337	DC	PTS
CMTM5.2	1.50E-05	-0.47998	0.005	0.101	0.223845	DC	CMTM5
TEAD2.2	1.51E-05	-0.1924	0	0.091	0.225657	DC	TEAD2
LINC00936	1.52E-05	0.339753	0.241	0.139	0.226838	DC	LINC00936
DNAJC4.2	1.52E-05	0.281244	0.337	0.227	0.227065	DC	DNAJC4
LAMP5.2	1.52E-05	-0.23926	0.011	0.111	0.227493	DC	LAMP5
GSAP.2	1.54E-05	0.25984	0.16	0.078	0.229497	DC	GSAP
LRRC8A.2	1.54E-05	-0.29014	0.048	0.17	0.230613	DC	LRRC8A
ARL6IP4.3	1.55E-05	0.182251	0.722	0.623	0.231368	DC	ARL6IP4
SSBP3.2	1.55E-05	-0.23777	0.021	0.13	0.232062	DC	SSBP3
IFI16.2	1.55E-05	0.145217	0.54	0.391	0.232247	DC	IFI16
STRBP.3	1.56E-05	-0.24837	0.021	0.128	0.233403	DC	STRBP
TMED1.2	1.57E-05	-0.34798	0.139	0.294	0.233994	DC	TMED1
IFT57.3	1.57E-05	-0.31792	0.102	0.25	0.234096	DC	IFT57
SCAMP2.3	1.57E-05	0.264961	0.492	0.372	0.235199	DC	SCAMP2
TPM1.1	1.57E-05	-0.28156	0.107	0.255	0.235364	DC	TPM1
TAF7.2	1.58E-05	-0.36041	0.401	0.556	0.236446	DC	TAF7
ADIPOR1.3	1.58E-05	0.284442	0.481	0.378	0.236449	DC	ADIPOR1
SLC6A8.1	1.59E-05	-0.29618	0.016	0.119	0.237699	DC	SLC6A8
EIF3J-AS1	1.59E-05	-0.29287	0.021	0.129	0.237975	DC	EIF3J-AS1
PTK2.1	1.60E-05	-0.22587	0.053	0.18	0.238783	DC	PTK2
SNRNP27.1	1.60E-05	-0.31657	0.187	0.355	0.239429	DC	SNRNP27
PPFIA3.1	1.60E-05	-0.19978	0	0.091	0.239835	DC	PPFIA3
RAD51C.1	1.61E-05	-0.2215	0.112	0.269	0.240362	DC	RAD51C
RALB.2	1.61E-05	0.301266	0.257	0.155	0.241224	DC	RALB
CMPK1.3	1.62E-05	0.238698	0.508	0.415	0.241926	DC	CMPK1
LAP3.1	1.63E-05	0.131346	0.631	0.489	0.242852	DC	LAP3
TMX1.1	1.64E-05	0.260151	0.508	0.401	0.24506	DC	TMX1
DLX6-AS1.1	1.64E-05	-0.65292	0.027	0.132	0.24535	DC	DLX6-AS1
CHST7.1	1.66E-05	-0.20667	0.011	0.111	0.247389	DC	CHST7
SNX21	1.66E-05	-0.21512	0.016	0.12	0.248776	DC	SNX21
SEC22C.1	1.68E-05	-0.26601	0.086	0.23	0.25127	DC	SEC22C
GSK3A.2	1.70E-05	-0.27126	0.064	0.192	0.25342	DC	GSK3A
NRXN2.3	1.70E-05	-0.30106	0.016	0.118	0.254217	DC	NRXN2
NAPEPLD	1.70E-05	-0.2554	0.005	0.1	0.25472	DC	NAPEPLD

PIM3. 3	1. 72E-05	0. 321923	0. 294	0. 189	0. 256644	DC	PIM3
ARL10	1. 76E-05	-0. 21038	0	0. 09	0. 262769	DC	ARL10
CSRNP3. 2	1. 76E-05	-0. 29115	0. 005	0. 1	0. 263076	DC	CSRNP3
NME1. 1	1. 80E-05	-0. 2982	0. 422	0. 57	0. 268937	DC	NME1
MTSS1. 3	1. 80E-05	-0. 39243	0. 086	0. 215	0. 269455	DC	MTSS1
TANC1. 1	1. 81E-05	-0. 21059	0. 011	0. 11	0. 27085	DC	TANC1
KCNIP1. 2	1. 81E-05	-0. 27738	0. 005	0. 1	0. 271037	DC	KCNIP1
SESN1. 3	1. 82E-05	0. 256519	0. 193	0. 1	0. 272192	DC	SESN1
USP4. 2	1. 83E-05	0. 343306	0. 273	0. 173	0. 273876	DC	USP4
CNKSR3. 2	1. 83E-05	-0. 19379	0. 016	0. 119	0. 274198	DC	CNKSR3
ARF1. 2	1. 84E-05	0. 10962	0. 802	0. 692	0. 275657	DC	ARF1
DHCR7. 2	1. 85E-05	-0. 25916	0. 053	0. 18	0. 275965	DC	DHCR7
NAP1L5. 1	1. 87E-05	-0. 26444	0. 027	0. 136	0. 278721	DC	NAP1L5
ADD2. 1	1. 87E-05	-0. 23394	0	0. 09	0. 279248	DC	ADD2
TSPAN15. 2	1. 88E-05	0. 203838	0. 16	0. 076	0. 281466	DC	TSPAN15
LRIG1. 2	1. 88E-05	-0. 22535	0. 011	0. 11	0. 281609	DC	LRIG1
XIST. 3	1. 89E-05	0. 196618	0. 417	0. 263	0. 282	DC	XIST
XRCC6	1. 90E-05	0. 14521	0. 647	0. 556	0. 283647	DC	XRCC6
BAZ1B. 3	1. 90E-05	-0. 21861	0. 144	0. 3	0. 284408	DC	BAZ1B
BPHL. 1	1. 91E-05	-0. 28269	0. 053	0. 176	0. 284783	DC	BPHL
YTHDF1	1. 91E-05	-0. 27003	0. 059	0. 185	0. 286002	DC	YTHDF1
DTD1. 3	1. 92E-05	-0. 25533	0. 23	0. 394	0. 286981	DC	DTD1
ROBO2. 2	1. 92E-05	-0. 21185	0. 011	0. 109	0. 28743	DC	ROBO2
LDOC1. 2	1. 95E-05	-0. 33819	0	0. 089	0. 290796	DC	LDOC1
TULP3. 2	1. 96E-05	-0. 23269	0. 021	0. 127	0. 292891	DC	TULP3
PCYT2. 2	1. 97E-05	-0. 21876	0. 043	0. 162	0. 29415	DC	PCYT2
LTBR. 3	1. 98E-05	0. 181563	0. 187	0. 094	0. 295739	DC	LTBR
UPF3A. 2	1. 98E-05	-0. 32505	0. 182	0. 347	0. 29633	DC	UPF3A
DUSP26. 2	1. 99E-05	-0. 34762	0	0. 089	0. 296746	DC	DUSP26
REEP5. 2	1. 99E-05	0. 130411	0. 706	0. 583	0. 29692	DC	REEP5
APAF1. 3	2. 00E-05	0. 281837	0. 139	0. 065	0. 2992	DC	APAF1
NAP1L4. 2	2. 00E-05	-0. 33115	0. 235	0. 406	0. 299362	DC	NAP1L4
EEF1G	2. 02E-05	0. 24389	0. 193	0. 101	0. 301428	DC	EEF1G
SFRP1. 2	2. 02E-05	-0. 20341	0. 005	0. 099	0. 301754	DC	SFRP1
GDE1. 3	2. 03E-05	-0. 26445	0. 144	0. 302	0. 302661	DC	GDE1
ADO. 2	2. 03E-05	-0. 18316	0. 021	0. 128	0. 303227	DC	ADO
HK1. 3	2. 04E-05	0. 294392	0. 299	0. 194	0. 304373	DC	HK1
ELOVL2. 3	2. 04E-05	-0. 20754	0. 005	0. 099	0. 304669	DC	ELOVL2
ADAP1. 2	2. 05E-05	0. 214211	0. 102	0. 04	0. 306137	DC	ADAP1
BAD. 1	2. 06E-05	-0. 30718	0. 246	0. 42	0. 307841	DC	BAD
EIF3C	2. 06E-05	0. 1922	0. 086	0. 031	0. 308471	DC	EIF3C
MKKS. 1	2. 07E-05	0. 242616	0. 508	0. 402	0. 308651	DC	MKKS
ARHGEF12.	2. 08E-05	-0. 18448	0. 043	0. 162	0. 311113	DC	ARHGEF12
ACPP	2. 09E-05	0. 117838	0. 048	0. 013	0. 311685	DC	ACPP
MYL6. 3	2. 10E-05	-0. 19334	0. 984	0. 941	0. 313845	DC	MYL6
MSANTD3. 1	2. 11E-05	-0. 21475	0	0. 089	0. 315327	DC	MSANTD3
RIF1. 2	2. 11E-05	-0. 2769	0. 086	0. 222	0. 31593	DC	RIF1
HKR1. 2	2. 12E-05	-0. 21349	0. 016	0. 118	0. 316231	DC	HKR1
ERRFI1. 1	2. 12E-05	-0. 25792	0. 037	0. 153	0. 316986	DC	ERRFI1
PLA2G12A.	2. 13E-05	-0. 26671	0. 096	0. 236	0. 317792	DC	PLA2G12A
BTG1. 3	2. 13E-05	0. 163375	0. 834	0. 686	0. 318726	DC	BTG1

CIITA	2.14E-05	0.188035	0.096	0.037	0.319433	DC	CIITA
ZIC1.2	2.15E-05	-0.26084	0.016	0.116	0.320663	DC	ZIC1
CTU2	2.15E-05	-0.24981	0.027	0.135	0.321055	DC	CTU2
CHRAC1.3	2.16E-05	0.355839	0.241	0.143	0.322098	DC	CHRAC1
TMEM68.1	2.16E-05	-0.22302	0.048	0.169	0.322576	DC	TMEM68
FAF2.2	2.16E-05	-0.2827	0.064	0.191	0.322703	DC	FAF2
FAM200A	2.16E-05	-0.25731	0.005	0.098	0.323329	DC	FAM200A
ENY2.1	2.17E-05	0.128005	0.711	0.602	0.32418	DC	ENY2
ZNF322.1	2.17E-05	-0.23178	0.027	0.135	0.324592	DC	ZNF322
LINC00662	2.17E-05	-0.24668	0.059	0.185	0.324778	DC	LINC00662
FKBP1A.2	2.17E-05	0.112755	0.834	0.697	0.324822	DC	FKBP1A
ARHGEF26.	2.18E-05	-0.23427	0.021	0.127	0.325519	DC	ARHGEF26
C4orf27.1	2.18E-05	-0.26698	0.155	0.321	0.325529	DC	C4orf27
PLAU.3	2.18E-05	0.310026	0.267	0.161	0.326262	DC	PLAU
SLC12A9.3	2.19E-05	0.294962	0.305	0.2	0.326606	DC	SLC12A9
TRIAP1.1	2.19E-05	-0.26425	0.15	0.316	0.327614	DC	TRIAP1
ERLEC1.1	2.21E-05	-0.29035	0.198	0.364	0.330848	DC	ERLEC1
CDH4.2	2.22E-05	-0.20631	0	0.088	0.331686	DC	CDH4
C1orf198.	2.23E-05	-0.3257	0.011	0.106	0.333221	DC	C1orf198
LDOC1L.2	2.24E-05	-0.19352	0	0.088	0.335057	DC	LDOC1L
ZNF566.1	2.25E-05	-0.28112	0.016	0.117	0.336717	DC	ZNF566
AIF1L.2	2.26E-05	-0.38974	0.016	0.115	0.337577	DC	AIF1L
ENPP4.1	2.28E-05	0.21678	0.123	0.053	0.341135	DC	ENPP4
FUCA2.3	2.29E-05	0.272673	0.353	0.241	0.34175	DC	FUCA2
PRPSAP1.3	2.29E-05	-0.28891	0.15	0.309	0.341854	DC	PRPSAP1
MAGI2.2	2.29E-05	-0.27153	0.011	0.107	0.342889	DC	MAGI2
ATPAF1.3	2.30E-05	-0.29581	0.102	0.242	0.344317	DC	ATPAF1
GABPB1.2	2.31E-05	0.396577	0.193	0.106	0.345837	DC	GABPB1
MTMR14.3	2.36E-05	0.358348	0.321	0.22	0.352516	DC	MTMR14
PLEKHB2.3	2.36E-05	0.2731	0.492	0.398	0.35339	DC	PLEKHB2
MRFAP1L1.	2.37E-05	-0.2981	0.086	0.222	0.35386	DC	MRFAP1L1
NCALD.2	2.37E-05	-0.22237	0.021	0.126	0.35445	DC	NCALD
TUBA1B.2	2.37E-05	-0.19534	0.957	0.894	0.35456	DC	TUBA1B
RGS3.1	2.38E-05	-0.19427	0.011	0.108	0.356303	DC	RGS3
TMEM53.1	2.39E-05	-0.27397	0.011	0.106	0.357219	DC	TMEM53
CCDC90B.2	2.40E-05	-0.3205	0.241	0.412	0.359035	DC	CCDC90B
C9orf3.1	2.40E-05	-0.35733	0.011	0.106	0.359311	DC	C9orf3
RNF19A.3	2.41E-05	-0.29748	0.075	0.204	0.360563	DC	RNF19A
SORL1.3	2.41E-05	0.278815	0.353	0.225	0.360589	DC	SORL1
SMIM7.2	2.42E-05	-0.36876	0.337	0.508	0.361233	DC	SMIM7
MOCS2.3	2.44E-05	-0.27589	0.118	0.266	0.365232	DC	MOCS2
SH3BGR.2	2.45E-05	-0.36702	0.021	0.125	0.365666	DC	SH3BGR
TOB1.1	2.46E-05	0.349091	0.348	0.253	0.368128	DC	TOB1
RABEP1.3	2.47E-05	-0.25174	0.107	0.255	0.368535	DC	RABEP1
ENOPH1.2	2.49E-05	-0.31012	0.225	0.392	0.371505	DC	ENOPH1
NUBP2.1	2.49E-05	-0.29516	0.209	0.384	0.372777	DC	NUBP2
GFOD2	2.50E-05	-0.25113	0.027	0.133	0.373225	DC	GFOD2
SIPA1L2	2.51E-05	-0.28801	0.021	0.123	0.374712	DC	SIPA1L2
PLP1.2	2.55E-05	-0.79389	0.059	0.173	0.380383	DC	PLP1
NLGN4X.1	2.56E-05	-0.20825	0.011	0.107	0.381949	DC	NLGN4X
KCNMB4.3	2.57E-05	-0.27868	0.021	0.125	0.383899	DC	KCNMB4

CYTH1. 3	2. 58E-05	0. 20579	0. 267	0. 156	0. 386265	DC	CYTH1
ASAP2. 2	2. 59E-05	-0. 18665	0. 005	0. 097	0. 387597	DC	ASAP2
COX11. 1	2. 60E-05	-0. 28103	0. 16	0. 321	0. 387912	DC	COX11
SLC39A14. 2	2. 61E-05	-0. 2947	0. 005	0. 096	0. 390722	DC	SLC39A14
MAN1A1. 2	2. 62E-05	0. 203861	0. 112	0. 047	0. 390916	DC	MAN1A1
METTL2A. 1	2. 62E-05	-0. 19545	0. 043	0. 16	0. 391274	DC	METTL2A
KALRN. 1	2. 62E-05	-0. 2204	0. 005	0. 097	0. 391724	DC	KALRN
PARVA. 2	2. 62E-05	-0. 17913	0. 005	0. 097	0. 392008	DC	PARVA
USP1. 2	2. 63E-05	-0. 25063	0. 112	0. 261	0. 393045	DC	USP1
ANKRD37. 1	2. 63E-05	0. 281297	0. 241	0. 14	0. 393184	DC	ANKRD37
SRSF2. 3	2. 63E-05	0. 1896	0. 722	0. 603	0. 39349	DC	SRSF2
AGPAT2. 3	2. 63E-05	0. 326361	0. 278	0. 178	0. 393588	DC	AGPAT2
FGF14. 2	2. 64E-05	-0. 2137	0	0. 087	0. 39383	DC	FGF14
HDAC1. 1	2. 64E-05	0. 301325	0. 321	0. 224	0. 39499	DC	HDAC1
RUFY2. 3	2. 66E-05	-0. 24113	0. 037	0. 151	0. 396786	DC	RUFY2
TSKU. 1	2. 66E-05	-0. 18057	0	0. 087	0. 397824	DC	TSKU
DHCR24	2. 66E-05	-0. 19503	0. 005	0. 097	0. 397842	DC	DHCR24
CPEB4. 2	2. 68E-05	-0. 2838	0. 107	0. 249	0. 400373	DC	CPEB4
PQBP1. 2	2. 68E-05	0. 283444	0. 444	0. 343	0. 400955	DC	PQBP1
DALRD3. 1	2. 69E-05	-0. 2018	0. 048	0. 167	0. 401599	DC	DALRD3
SNTA1. 1	2. 69E-05	-0. 17542	0	0. 086	0. 401858	DC	SNTA1
AP4M1. 1	2. 73E-05	-0. 31271	0. 07	0. 195	0. 408626	DC	AP4M1
TMEM67. 1	2. 74E-05	-0. 22343	0. 005	0. 097	0. 408889	DC	TMEM67
OSMR. 1	2. 74E-05	-0. 1998	0	0. 086	0. 410048	DC	OSMR
ABI2. 1	2. 78E-05	-0. 28218	0. 198	0. 364	0. 416004	DC	ABI2
DUSP4. 3	2. 79E-05	0. 417259	0. 273	0. 178	0. 417479	DC	DUSP4
PSMB9. 2	2. 80E-05	0. 173278	0. 529	0. 403	0. 418812	DC	PSMB9
CRYZ. 2	2. 82E-05	-0. 23308	0. 021	0. 125	0. 421735	DC	CRYZ
ADRBK1. 3	2. 83E-05	0. 27355	0. 176	0. 091	0. 42229	DC	ADRBK1
CHST10	2. 84E-05	-0. 22575	0. 032	0. 141	0. 425029	DC	CHST10
IRF2BPL. 2	2. 87E-05	-0. 24909	0. 102	0. 244	0. 428561	DC	IRF2BPL
LRRN3. 2	2. 88E-05	-0. 29867	0. 016	0. 115	0. 429801	DC	LRRN3
RSBN1L. 1	2. 90E-05	-0. 33721	0. 203	0. 357	0. 433621	DC	RSBN1L
DDT. 1	2. 91E-05	0. 167123	0. 636	0. 52	0. 434199	DC	DDT
CYTL1. 3	2. 91E-05	-0. 50129	0. 016	0. 112	0. 434601	DC	CYTL1
PRELID1. 3	2. 91E-05	0. 237137	0. 647	0. 558	0. 435407	DC	PRELID1
KCNE3. 2	2. 92E-05	0. 156955	0. 075	0. 026	0. 435716	DC	KCNE3
CKAP5. 3	2. 92E-05	-0. 23946	0. 043	0. 158	0. 436883	DC	CKAP5
DENND2A. 1	2. 93E-05	-0. 21352	0. 005	0. 096	0. 438263	DC	DENND2A
IL1RL2	2. 94E-05	0. 113445	0. 027	0. 005	0. 438838	DC	IL1RL2
DCHS1. 2	2. 94E-05	-0. 19254	0	0. 086	0. 440033	DC	DCHS1
AKAP8L. 1	2. 96E-05	-0. 24863	0. 107	0. 251	0. 441881	DC	AKAP8L
PDZD11. 2	2. 96E-05	-0. 32229	0. 193	0. 361	0. 442656	DC	PDZD11
MBOAT2. 2	3. 00E-05	-0. 24973	0. 059	0. 184	0. 447835	DC	MBOAT2
ZNF426	3. 03E-05	-0. 25249	0. 016	0. 114	0. 452091	DC	ZNF426
IL6ST. 3	3. 03E-05	-0. 29671	0. 112	0. 256	0. 453221	DC	IL6ST
EPM2AIP1. 3	3. 03E-05	-0. 18375	0. 07	0. 2	0. 45328	DC	EPM2AIP1
CACNG7. 1	3. 03E-05	-0. 18129	0	0. 085	0. 453538	DC	CACNG7
MMP7. 1	3. 05E-05	0. 206524	0. 08	0. 028	0. 455574	DC	MMP7
PPP1R10. 2	3. 06E-05	0. 272312	0. 396	0. 286	0. 457051	DC	PPP1R10
WASF1	3. 06E-05	-0. 22849	0. 005	0. 096	0. 457065	DC	WASF1

CAPRIN2.1	3.08E-05	-0.17636	0.011	0.106	0.460389	DC	CAPRIN2
STXBP1.2	3.09E-05	-0.2372	0.021	0.123	0.46184	DC	STXBP1
CTNNAL1.2	3.10E-05	-0.2527	0.037	0.149	0.463819	DC	CTNNAL1
SPOCD1.1	3.11E-05	-0.44319	0.086	0.22	0.464135	DC	SPOCD1
FSTL1.1	3.11E-05	-0.18682	0.016	0.115	0.464626	DC	FSTL1
CLASP2.2	3.13E-05	-0.32527	0.075	0.199	0.467439	DC	CLASP2
FAM222B.2	3.13E-05	-0.17581	0.016	0.115	0.468368	DC	FAM222B
PTPN4.2	3.14E-05	-0.25103	0.011	0.104	0.469776	DC	PTPN4
SLC17A9.2	3.18E-05	0.237104	0.08	0.029	0.474692	DC	SLC17A9
VOPP1.2	3.18E-05	0.256397	0.401	0.289	0.474698	DC	VOPP1
FAU.3	3.18E-05	-0.19842	0.995	0.957	0.475835	DC	FAU
BRSK1.1	3.19E-05	-0.21837	0	0.085	0.476961	DC	BRSK1
DPYSL2.2	3.21E-05	-0.29878	0.251	0.426	0.480166	DC	DPYSL2
PSMG3.2	3.22E-05	-0.28299	0.171	0.33	0.481083	DC	PSMG3
NFASC.1	3.22E-05	-0.32528	0.011	0.104	0.481589	DC	NFASC
ZNF521.1	3.22E-05	-0.19048	0	0.085	0.481788	DC	ZNF521
CCDC106.3	3.26E-05	-0.22963	0.096	0.234	0.48663	DC	CCDC106
CHI3L1.3	3.26E-05	-0.75984	0.39	0.527	0.486722	DC	CHI3L1
STK17A.3	3.27E-05	0.301243	0.396	0.292	0.488559	DC	STK17A
TMEM255A.3	3.29E-05	-0.22689	0.011	0.104	0.491343	DC	TMEM255A
DUSP15.2	3.31E-05	-0.18368	0.005	0.095	0.495317	DC	DUSP15
PRKAR1B.1	3.32E-05	-0.27626	0.027	0.129	0.495443	DC	PRKAR1B
PACSIN2.3	3.33E-05	0.310529	0.273	0.173	0.498105	DC	PACSIN2
APOBEC3C.3	3.33E-05	0.229106	0.225	0.127	0.498264	DC	APOBEC3C
DNAJC3.1	3.34E-05	0.250247	0.396	0.29	0.498665	DC	DNAJC3
PTGFRN.3	3.34E-05	-0.15081	0.011	0.105	0.499207	DC	PTGFRN
ERV3-1.2	3.35E-05	-0.25416	0.118	0.263	0.50015	DC	ERV3-1
RAP2B.3	3.36E-05	0.292493	0.262	0.164	0.501649	DC	RAP2B
PRCC.3	3.36E-05	-0.31169	0.15	0.306	0.501917	DC	PRCC
LAMTOR2.1	3.36E-05	0.141047	0.701	0.585	0.502621	DC	LAMTOR2
WIPF3.3	3.38E-05	-0.27063	0.005	0.094	0.504439	DC	WIPF3
KIF3C.3	3.38E-05	-0.23046	0.011	0.104	0.504931	DC	KIF3C
HIST2H2BE.3	3.38E-05	-0.28581	0.037	0.149	0.505759	DC	HIST2H2BE
FAM217B.3	3.39E-05	-0.23348	0.043	0.157	0.506673	DC	FAM217B
SCAMP1.1	3.40E-05	-0.2274	0.08	0.216	0.508299	DC	SCAMP1
TOP2B.3	3.44E-05	-0.26491	0.102	0.239	0.51427	DC	TOP2B
PKIA.3	3.44E-05	-0.27976	0.005	0.095	0.514703	DC	PKIA
SLC25A36.3	3.49E-05	-0.24403	0.123	0.271	0.521526	DC	SLC25A36
PTDSS1.2	3.57E-05	0.334142	0.299	0.2	0.533705	DC	PTDSS1
PYGB.1	3.57E-05	-0.21777	0.08	0.213	0.533706	DC	PYGB
BTBD3.2	3.58E-05	-0.2224	0.032	0.139	0.535124	DC	BTBD3
LMO3.3	3.60E-05	-0.32587	0	0.084	0.538167	DC	LMO3
SREK1.2	3.62E-05	-0.31269	0.171	0.325	0.540524	DC	SREK1
PARP4.1	3.63E-05	0.330296	0.16	0.082	0.541814	DC	PARP4
GAB3.1	3.65E-05	0.19787	0.086	0.032	0.546073	DC	GAB3
TET1.2	3.67E-05	-0.17288	0	0.084	0.549096	DC	TET1
ITM2C.3	3.68E-05	-0.36415	0.251	0.42	0.55043	DC	ITM2C
KLRC2.2	3.69E-05	-0.34258	0.016	0.111	0.551748	DC	KLRC2
SLC29A4.3	3.71E-05	-0.21724	0	0.084	0.554643	DC	SLC29A4
B3GALT6.3	3.72E-05	-0.21246	0.032	0.14	0.555956	DC	B3GALT6
PSMA6.2	3.72E-05	0.217179	0.337	0.222	0.556481	DC	PSMA6

CELSR2. 2	3. 75E-05	-0. 20926	0. 005	0. 094	0. 560485	DC	CELSR2
CTDSP1. 3	3. 80E-05	0. 274317	0. 326	0. 22	0. 567535	DC	CTDSP1
IARS. 1	3. 80E-05	-0. 22122	0. 08	0. 212	0. 56801	DC	IARS
ZNF429. 2	3. 81E-05	-0. 23435	0. 027	0. 131	0. 568818	DC	ZNF429
CALM2. 2	3. 81E-05	-0. 18925	0. 979	0. 932	0. 569201	DC	CALM2
PCOLCE2. 1	3. 83E-05	-0. 26103	0	0. 083	0. 571618	DC	PCOLCE2
SCRN3. 1	3. 83E-05	-0. 22962	0. 011	0. 102	0. 572744	DC	SCRN3
TMEM35. 2	3. 84E-05	-0. 27164	0. 005	0. 093	0. 573931	DC	TMEM35
AKTIP. 2	3. 86E-05	-0. 29402	0. 053	0. 17	0. 577016	DC	AKTIP
AHDC1. 2	3. 88E-05	-0. 2495	0. 011	0. 103	0. 579915	DC	AHDC1
RHO. 2	3. 89E-05	-0. 32207	0. 032	0. 136	0. 580837	DC	RHO
CHD6. 2	3. 90E-05	-0. 2142	0. 107	0. 247	0. 583186	DC	CHD6
PIANP. 1	3. 90E-05	-0. 1862	0	0. 083	0. 583218	DC	PIANP
C3orf70. 2	3. 93E-05	-0. 24466	0. 011	0. 102	0. 587674	DC	C3orf70
OXR1. 2	3. 93E-05	-0. 2731	0. 112	0. 254	0. 587812	DC	OXR1
RAB8A. 1	3. 97E-05	0. 192983	0. 455	0. 354	0. 593605	DC	RAB8A
EFEMP1. 2	3. 98E-05	-0. 64547	0. 096	0. 223	0. 594855	DC	EFEMP1
STOX2. 3	3. 98E-05	-0. 21586	0. 005	0. 094	0. 595314	DC	STOX2
ASTN1	4. 04E-05	-0. 19506	0. 005	0. 093	0. 60305	DC	ASTN1
IFI27L1. 1	4. 05E-05	-0. 2316	0. 064	0. 187	0. 60506	DC	IFI27L1
C1orf52. 3	4. 08E-05	-0. 30023	0. 155	0. 309	0. 609401	DC	C1orf52
FAM129A. 2	4. 09E-05	0. 303948	0. 23	0. 138	0. 611635	DC	FAM129A
ORAI3. 2	4. 11E-05	0. 271845	0. 235	0. 14	0. 614049	DC	ORAI3
C12orf73. 4	4. 12E-05	-0. 20317	0. 043	0. 156	0. 615664	DC	C12orf73
HIP1R. 2	4. 18E-05	-0. 27343	0. 016	0. 11	0. 624643	DC	HIP1R
DYNC1LI2. 4	4. 18E-05	-0. 25214	0. 187	0. 347	0. 625131	DC	DYNC1LI2
TMEM63B	4. 24E-05	-0. 21787	0. 032	0. 137	0. 633121	DC	TMEM63B
WASL. 1	4. 24E-05	-0. 24452	0. 064	0. 185	0. 634221	DC	WASL
TMEM206. 2	4. 24E-05	-0. 21999	0. 096	0. 233	0. 634326	DC	TMEM206
SLC25A45	4. 25E-05	0. 211621	0. 107	0. 045	0. 635435	DC	SLC25A45
BID. 3	4. 25E-05	0. 298064	0. 46	0. 355	0. 635846	DC	BID
LILRB1. 3	4. 26E-05	0. 174127	0. 182	0. 09	0. 636504	DC	LILRB1
IQCE. 1	4. 26E-05	-0. 22741	0. 021	0. 12	0. 636684	DC	IQCE
MED10. 3	4. 27E-05	-0. 317	0. 31	0. 486	0. 638322	DC	MED10
COQ7. 2	4. 28E-05	-0. 3334	0. 07	0. 189	0. 638868	DC	COQ7
CELF5. 3	4. 33E-05	-0. 30156	0. 005	0. 092	0. 647735	DC	CELF5
DENND1B. 3	4. 34E-05	0. 296345	0. 171	0. 09	0. 648029	DC	DENND1B
HIVEP3. 3	4. 34E-05	-0. 22216	0. 043	0. 154	0. 649181	DC	HIVEP3
ZNF846. 2	4. 37E-05	0. 213253	0. 144	0. 069	0. 653144	DC	ZNF846
NDUFAF5	4. 37E-05	-0. 27173	0. 032	0. 135	0. 65344	DC	NDUFAF5
MNAT1. 2	4. 38E-05	-0. 22645	0. 07	0. 195	0. 654975	DC	MNAT1
CORO2B. 1	4. 40E-05	-0. 20603	0. 011	0. 102	0. 656926	DC	CORO2B
UBC. 3	4. 40E-05	-0. 22256	0. 973	0. 95	0. 657712	DC	UBC
ALDH6A1. 1	4. 44E-05	-0. 2692	0. 08	0. 209	0. 663219	DC	ALDH6A1
TCEAL4. 1	4. 44E-05	-0. 32079	0. 401	0. 574	0. 66387	DC	TCEAL4
REEP1. 3	4. 45E-05	-0. 23008	0	0. 082	0. 664503	DC	REEP1
MIR4458HG	4. 46E-05	-0. 42128	0. 053	0. 162	0. 666826	DC	MIR4458HG
CKS2. 3	4. 47E-05	0. 205342	0. 497	0. 364	0. 668358	DC	CKS2
TALDO1. 3	4. 49E-05	0. 139888	0. 695	0. 596	0. 671519	DC	TALDO1
SLC25A51. 4	4. 52E-05	0. 230392	0. 118	0. 052	0. 675811	DC	SLC25A51
FAM110B. 2	4. 53E-05	-0. 22457	0. 064	0. 189	0. 677624	DC	FAM110B

ING4. 1	4. 61E-05	-0. 30509	0. 128	0. 269	0. 689022	DC	ING4
NDUFC1. 2	4. 61E-05	-0. 34093	0. 38	0. 555	0. 689135	DC	NDUFC1
TRPM4. 1	4. 62E-05	0. 302441	0. 096	0. 039	0. 690185	DC	TRPM4
SYNC. 1	4. 64E-05	-0. 22176	0. 059	0. 178	0. 693245	DC	SYNC
ELP6. 1	4. 66E-05	-0. 25338	0. 086	0. 217	0. 696587	DC	ELP6
ADPRH. 1	4. 71E-05	0. 186012	0. 086	0. 032	0. 703476	DC	ADPRH
RP11-556E	4. 71E-05	0. 144544	0. 123	0. 054	0. 704214	DC	RP11-556E13. 1
RHOJ. 1	4. 71E-05	-0. 19034	0. 011	0. 101	0. 704404	DC	RHOJ
MPPED2. 1	4. 72E-05	-0. 23467	0. 005	0. 091	0. 705961	DC	MPPED2
ZFP82. 1	4. 73E-05	-0. 22881	0. 016	0. 111	0. 706325	DC	ZFP82
UBE2D4. 1	4. 73E-05	-0. 23745	0. 07	0. 191	0. 70757	DC	UBE2D4
PTDSS2. 3	4. 79E-05	-0. 21288	0. 043	0. 154	0. 716105	DC	PTDSS2
RGS6. 1	4. 80E-05	-0. 21114	0. 005	0. 092	0. 71729	DC	RGS6
C14orf1. 2	4. 81E-05	-0. 2726	0. 144	0. 295	0. 719399	DC	C14orf1
ISYNA1. 1	4. 87E-05	-0. 24671	0. 032	0. 135	0. 727174	DC	ISYNA1
RAMP2. 2	4. 92E-05	-0. 24382	0. 032	0. 137	0. 734531	DC	RAMP2
ILDR2. 2	4. 92E-05	-0. 15888	0	0. 081	0. 734561	DC	ILDR2
ARL11. 2	4. 92E-05	0. 190896	0. 096	0. 038	0. 735556	DC	ARL11
RP11-332H	4. 92E-05	-0. 21959	0. 027	0. 128	0. 735732	DC	RP11-332H14. 2
ECE1. 1	4. 96E-05	-0. 22994	0	0. 081	0. 741956	DC	ECE1
HTATIP2. 3	4. 98E-05	0. 317953	0. 241	0. 145	0. 744877	DC	HTATIP2
ANKRD46. 1	4. 99E-05	-0. 3144	0. 048	0. 159	0. 745441	DC	ANKRD46
STX7. 3	5. 04E-05	0. 275654	0. 374	0. 266	0. 752646	DC	STX7
JAK2	5. 04E-05	0. 152033	0. 086	0. 032	0. 753113	DC	JAK2
ORMDL3. 1	5. 04E-05	-0. 23424	0. 027	0. 128	0. 753373	DC	ORMDL3
DFNA5. 1	5. 06E-05	-0. 30164	0. 075	0. 197	0. 756368	DC	DFNA5
VAX2. 2	5. 07E-05	-0. 20019	0	0. 081	0. 756967	DC	VAX2
TIMP3. 1	5. 09E-05	-0. 27078	0. 027	0. 127	0. 760454	DC	TIMP3
ELOVL4. 1	5. 12E-05	-0. 20666	0	0. 081	0. 764585	DC	ELOVL4
ODF2L. 1	5. 13E-05	-0. 27155	0. 059	0. 177	0. 766966	DC	ODF2L
ZNF593. 1	5. 13E-05	-0. 19289	0. 144	0. 304	0. 767098	DC	ZNF593
FASN. 3	5. 14E-05	-0. 15075	0. 021	0. 118	0. 768016	DC	FASN
B3GAT1. 2	5. 15E-05	-0. 26166	0. 005	0. 091	0. 769255	DC	B3GAT1
CCDC130. 1	5. 16E-05	-0. 28366	0. 096	0. 23	0. 770895	DC	CCDC130
IGF2BP3. 2	5. 16E-05	-0. 197	0. 016	0. 109	0. 771472	DC	IGF2BP3
CMBL. 1	5. 18E-05	-0. 21526	0. 027	0. 128	0. 773985	DC	CMBL
RHOC. 2	5. 21E-05	0. 145379	0. 695	0. 53	0. 779048	DC	RHOC
CCDC181. 2	5. 22E-05	-0. 23549	0	0. 081	0. 780049	DC	CCDC181
NAV2	5. 26E-05	-0. 23168	0. 021	0. 119	0. 786527	DC	NAV2
NUMBL. 1	5. 28E-05	-0. 18929	0. 005	0. 091	0. 789039	DC	NUMBL
RNF135. 3	5. 30E-05	0. 248456	0. 198	0. 109	0. 792587	DC	RNF135
TMEM100. 3	5. 32E-05	-0. 34958	0. 005	0. 09	0. 795034	DC	TMEM100
DOLK. 2	5. 33E-05	-0. 21241	0. 027	0. 128	0. 797052	DC	DOLK
EPDR1. 2	5. 34E-05	-0. 201	0. 027	0. 128	0. 797671	DC	EPDR1
AASDH. 1	5. 35E-05	-0. 30329	0. 053	0. 166	0. 799548	DC	AASDH
SNHG15. 2	5. 35E-05	0. 260779	0. 321	0. 22	0. 800186	DC	SNHG15
PCDHB2. 1	5. 38E-05	-0. 18299	0	0. 08	0. 803826	DC	PCDHB2
HPS4. 2	5. 42E-05	-0. 2624	0. 064	0. 185	0. 809529	DC	HPS4
NQO1. 2	5. 43E-05	-0. 21789	0. 016	0. 11	0. 812082	DC	NQO1
PFDN6. 2	5. 46E-05	-0. 27313	0. 193	0. 355	0. 815728	DC	PFDN6
NUP107. 3	5. 48E-05	-0. 34086	0. 096	0. 225	0. 819065	DC	NUP107

LDLR	5.49E-05	-0.23204	0.011	0.1	0.819682	DC	LDLR
CBLN4.3	5.54E-05	-0.23631	0	0.08	0.82832	DC	CBLN4
BSDC1.1	5.62E-05	-0.2462	0.144	0.293	0.839157	DC	BSDC1
EHBP1.1	5.64E-05	-0.22164	0.053	0.169	0.842456	DC	EHBP1
PDGFD.1	5.65E-05	-0.15866	0	0.08	0.845058	DC	PDGFD
TRABD2A	5.66E-05	0.143232	0.043	0.011	0.846243	DC	TRABD2A
PSPH.2	5.73E-05	-0.22155	0.048	0.159	0.855545	DC	PSPH
SMPD1.2	5.73E-05	-0.23334	0.102	0.239	0.856138	DC	SMPD1
PPARD.3	5.80E-05	0.266025	0.193	0.107	0.866567	DC	PPARD
PLD3.2	5.80E-05	-0.33126	0.369	0.532	0.867332	DC	PLD3
GPR137.2	5.85E-05	-0.22069	0.08	0.211	0.873914	DC	GPR137
ATP6V1E1.	5.89E-05	0.219974	0.524	0.431	0.879534	DC	ATP6V1E1
ZDHHC4.3	5.95E-05	-0.328	0.198	0.357	0.88933	DC	ZDHHC4
CACNB4	5.99E-05	-0.20702	0.005	0.09	0.89546	DC	CACNB4
MECR.1	6.00E-05	-0.14534	0.048	0.163	0.896174	DC	MECR
PTP4A3	6.02E-05	-0.21332	0.005	0.089	0.898897	DC	PTP4A3
FASTK.1	6.02E-05	-0.26107	0.176	0.34	0.899411	DC	FASTK
AP1S1.3	6.06E-05	-0.34992	0.31	0.47	0.905312	DC	AP1S1
CEP290.1	6.06E-05	-0.2302	0.048	0.159	0.906252	DC	CEP290
UTRN.2	6.07E-05	0.271635	0.193	0.108	0.907049	DC	UTRN
ALG13.2	6.08E-05	0.292071	0.321	0.218	0.909283	DC	ALG13
GLUD1.2	6.12E-05	0.195088	0.364	0.246	0.914978	DC	GLUD1
SOX5.1	6.12E-05	-0.1882	0.005	0.09	0.915141	DC	SOX5
ETV4.2	6.13E-05	-0.18935	0	0.079	0.915417	DC	ETV4
KIF5A.2	6.15E-05	-0.31388	0.027	0.123	0.919242	DC	KIF5A
RHBDD3.1	6.18E-05	-0.22642	0.043	0.151	0.923934	DC	RHBDD3
PIGF.2	6.23E-05	-0.31473	0.144	0.29	0.930596	DC	PIGF
USE1.3	6.23E-05	-0.33944	0.176	0.332	0.931037	DC	USE1
PAXBP1.2	6.23E-05	-0.1891	0.048	0.161	0.93131	DC	PAXBP1
EPB41L3.3	6.26E-05	0.181099	0.198	0.104	0.935342	DC	EPB41L3
C20orf96.	6.33E-05	-0.15489	0.043	0.152	0.946166	DC	C20orf96
TRIO.2	6.34E-05	-0.27839	0.059	0.174	0.947972	DC	TRIO
IPMK.1	6.39E-05	0.243338	0.102	0.043	0.955248	DC	IPMK
MDFI.2	6.41E-05	-0.23074	0.005	0.089	0.957432	DC	MDFI
PPME1.1	6.47E-05	-0.25159	0.064	0.183	0.966484	DC	PPME1
SLC2A4RG.	6.48E-05	-0.17041	0.027	0.127	0.967886	DC	SLC2A4RG
NUBP1.2	6.50E-05	0.300212	0.316	0.216	0.971028	DC	NUBP1
LOXL1.1	6.50E-05	-0.15472	0	0.079	0.971959	DC	LOXL1
PPP1R37.1	6.51E-05	-0.17429	0.032	0.136	0.973251	DC	PPP1R37
CSAD.1	6.53E-05	-0.20371	0.053	0.17	0.976525	DC	CSAD
FIGN.1	6.55E-05	-0.18524	0.005	0.089	0.979167	DC	FIGN
CIB2.1	6.57E-05	-0.15123	0	0.079	0.981713	DC	CIB2
QKI.2	6.58E-05	-0.32665	0.337	0.473	0.982738	DC	QKI
PDGFA.1	6.62E-05	-0.25947	0.011	0.098	0.98955	DC	PDGFA
XXbac-B13	6.65E-05	0.127225	0.059	0.019	0.994215	DC	XXbac-B135H6.15
PTPRF.3	6.69E-05	-0.21252	0.021	0.117	0.999671	DC	PTPRF
ZNF512.1	6.70E-05	-0.2222	0.027	0.125	1	DC	ZNF512
SPIN2B.1	6.72E-05	-0.21978	0.016	0.108	1	DC	SPIN2B
HNRNPM.3	6.72E-05	0.199876	0.631	0.542	1	DC	HNRNPM
UPF2.1	6.75E-05	0.269023	0.316	0.216	1	DC	UPF2
CNPY1.2	6.77E-05	-0.22702	0	0.079	1	DC	CNPY1



KDM4C	6.77E-05	0.258745	0.096	0.04	1 DC	KDM4C
SRSF5	6.77E-05	0.116097	0.791	0.692	1 DC	SRSF5
OAT.1	6.77E-05	0.274857	0.342	0.236	1 DC	OAT
TIA1.3	6.79E-05	-0.25277	0.112	0.25	1 DC	TIA1
RUNDC3A.3	6.81E-05	-0.24082	0.011	0.099	1 DC	RUNDC3A
TRIM28.1	6.85E-05	-0.24025	0.112	0.252	1 DC	TRIM28
RNF166.3	6.88E-05	0.221505	0.289	0.183	1 DC	RNF166
FAM84B.2	6.89E-05	-0.23928	0.005	0.088	1 DC	FAM84B
UBTF.2	6.89E-05	-0.21744	0.096	0.229	1 DC	UBTF
SYBU.1	6.91E-05	-0.21204	0.005	0.088	1 DC	SYBU
ADD1.1	6.93E-05	-0.2671	0.16	0.31	1 DC	ADD1
COPRS.2	6.98E-05	-0.22861	0.187	0.336	1 DC	COPRS
TMEM205.2	6.98E-05	-0.35465	0.337	0.498	1 DC	TMEM205
ADCY7.3	7.04E-05	0.17724	0.134	0.062	1 DC	ADCY7
FAM69C.2	7.04E-05	-0.16622	0	0.078	1 DC	FAM69C
MEIS1.3	7.08E-05	-0.19329	0.005	0.088	1 DC	MEIS1
POMZP3.3	7.16E-05	-0.2092	0.005	0.087	1 DC	POMZP3
CYLD.2	7.19E-05	0.281114	0.262	0.163	1 DC	CYLD
POMGNT2.1	7.21E-05	-0.19581	0.037	0.142	1 DC	POMGNT2
ELOF1.2	7.21E-05	-0.31269	0.262	0.426	1 DC	ELOF1
CNPY2.2	7.22E-05	-0.27933	0.406	0.571	1 DC	CNPY2
SMIM15	7.29E-05	-0.27368	0.176	0.335	1 DC	SMIM15
VTI1A.2	7.36E-05	0.280513	0.134	0.064	1 DC	VTI1A
CTTNBP2.3	7.37E-05	-0.31608	0.037	0.138	1 DC	CTTNBP2
LINC01116	7.43E-05	-0.20826	0.032	0.134	1 DC	LINC01116
YIPF6.2	7.45E-05	-0.33513	0.166	0.316	1 DC	YIPF6
HOXD11.1	7.48E-05	-0.16115	0	0.078	1 DC	HOXD11
FAM171A1	7.48E-05	-0.19079	0	0.078	1 DC	FAM171A1
ZNF582-AS	7.48E-05	-0.27212	0	0.078	1 DC	ZNF582-AS1
DIXDC1.2	7.48E-05	-0.23727	0.011	0.096	1 DC	DIXDC1
TMEM5.1	7.54E-05	-0.26368	0.086	0.21	1 DC	TMEM5
LONP2.2	7.54E-05	0.305427	0.342	0.246	1 DC	LONP2
RMND5B.1	7.60E-05	-0.21673	0.053	0.166	1 DC	RMND5B
HOXC9.3	7.63E-05	-0.28891	0.005	0.087	1 DC	HOXC9
NMI.2	7.63E-05	0.258476	0.283	0.181	1 DC	NMI
DMRTA2	7.63E-05	-0.16491	0	0.077	1 DC	DMRTA2
SESN2.2	7.63E-05	0.283033	0.187	0.103	1 DC	SESN2
MLC1.2	7.67E-05	-0.23142	0.043	0.15	1 DC	MLC1
IFT43.2	7.69E-05	-0.28423	0.118	0.259	1 DC	IFT43
ZFP90.2	7.70E-05	-0.21627	0.032	0.133	1 DC	ZFP90
TTC28.1	7.72E-05	-0.21106	0.011	0.097	1 DC	TTC28
PXK.2	7.74E-05	0.279743	0.23	0.139	1 DC	PXK
DLC1.1	7.74E-05	-0.18702	0.005	0.088	1 DC	DLC1
WDR83.1	7.74E-05	-0.2004	0.059	0.173	1 DC	WDR83
KLF9.1	7.75E-05	0.275325	0.219	0.129	1 DC	KLF9
MKLN1.1	7.82E-05	-0.25134	0.102	0.232	1 DC	MKLN1
HSBP1.2	7.85E-05	-0.25475	0.636	0.716	1 DC	HSBP1
EZH2.2	7.85E-05	-0.2589	0.048	0.155	1 DC	EZH2
BOK.3	7.86E-05	-0.21683	0	0.077	1 DC	BOK
TSR1.1	7.91E-05	-0.20199	0.07	0.191	1 DC	TSR1
MAPKAPK5-	7.92E-05	-0.31505	0.096	0.225	1 DC	MAPKAPK5-AS1

BEND5.1	7.98E-05	-0.26981	0.037	0.138	1 DC	BEND5
DNAJC18	8.00E-05	-0.21197	0.027	0.124	1 DC	DNAJC18
EXOC7.2	8.01E-05	-0.28986	0.198	0.354	1 DC	EXOC7
ITGA5.1	8.01E-05	0.212072	0.16	0.082	1 DC	ITGA5
DPP7.3	8.02E-05	0.17313	0.572	0.465	1 DC	DPP7
C17orf58.	8.03E-05	-0.21866	0.07	0.188	1 DC	C17orf58
FAXC.2	8.11E-05	-0.22124	0.005	0.087	1 DC	FAXC
SNCAIP.2	8.12E-05	-0.19892	0.005	0.087	1 DC	SNCAIP
ATCAY.2	8.13E-05	-0.27935	0.027	0.122	1 DC	ATCAY
CACNA1A.2	8.14E-05	-0.27447	0.011	0.097	1 DC	CACNA1A
AGPAT5.2	8.15E-05	-0.28019	0.086	0.211	1 DC	AGPAT5
SEPW1.1	8.23E-05	-0.29095	0.578	0.674	1 DC	SEPW1
LAMB2.1	8.26E-05	-0.20578	0.011	0.097	1 DC	LAMB2
ATP2B1.2	8.29E-05	0.25289	0.449	0.353	1 DC	ATP2B1
PSMG2.1	8.31E-05	0.197638	0.503	0.411	1 DC	PSMG2
VASH1.3	8.33E-05	0.327562	0.219	0.128	1 DC	VASH1
PEG10.1	8.33E-05	-0.32693	0.016	0.104	1 DC	PEG10
POMGNT1.2	8.38E-05	-0.23282	0.118	0.26	1 DC	POMGNT1
HES4.3	8.45E-05	-0.21847	0.07	0.189	1 DC	HES4
PHLDA1.3	8.48E-05	-0.34985	0.273	0.397	1 DC	PHLDA1
MS4A14.2	8.48E-05	0.147395	0.064	0.021	1 DC	MS4A14
LXN	8.54E-05	0.217392	0.07	0.024	1 DC	LXN
EIF2AK4.3	8.61E-05	0.358487	0.267	0.18	1 DC	EIF2AK4
SHOC2.2	8.62E-05	0.260129	0.241	0.15	1 DC	SHOC2
LMAN2L	8.69E-05	-0.18307	0.021	0.115	1 DC	LMAN2L
SEMA5A.1	8.78E-05	-0.22827	0.016	0.105	1 DC	SEMA5A
DHX40.2	8.83E-05	-0.18447	0.037	0.141	1 DC	DHX40
TSTD1.2	8.90E-05	0.209867	0.305	0.195	1 DC	TSTD1
GORAB.3	8.95E-05	-0.19087	0	0.076	1 DC	GORAB
C17orf107	8.95E-05	0.191878	0.048	0.014	1 DC	C17orf107
MAP1LC3B.	8.95E-05	0.208908	0.647	0.565	1 DC	MAP1LC3B
SUMO2.1	8.99E-05	-0.14963	0.85	0.821	1 DC	SUMO2
THOC6.2	9.03E-05	0.31828	0.262	0.168	1 DC	THOC6
CNPY4.2	9.03E-05	-0.22792	0.021	0.114	1 DC	CNPY4
SEPT9.1	9.04E-05	-0.29899	0.198	0.343	1 DC	9-Sep
ZNF775.2	9.07E-05	-0.18521	0.011	0.096	1 DC	ZNF775
PRKAR1A.2	9.08E-05	0.177216	0.561	0.47	1 DC	PRKAR1A
GGH.1	9.13E-05	-0.23592	0.128	0.265	1 DC	GGH
LMO1.2	9.22E-05	-0.27196	0	0.076	1 DC	LMO1
RP1-39G22	9.25E-05	-0.16784	0.032	0.132	1 DC	RP1-39G22.7
SCARB2.3	9.27E-05	-0.27508	0.225	0.384	1 DC	SCARB2
RBX1.3	9.33E-05	0.120264	0.765	0.664	1 DC	RBX1
SPRY2.2	9.35E-05	-0.28743	0.096	0.22	1 DC	SPRY2
GPR37L1.2	9.40E-05	-0.3742	0.005	0.086	1 DC	GPR37L1
SPATA33.2	9.45E-05	-0.23805	0.043	0.147	1 DC	SPATA33
MLST8.1	9.47E-05	-0.15114	0.102	0.238	1 DC	MLST8
FAM57A.1	9.48E-05	-0.14269	0.011	0.096	1 DC	FAM57A
SURF2.2	9.52E-05	-0.2404	0.102	0.234	1 DC	SURF2
KLC2.2	9.55E-05	-0.17427	0.027	0.123	1 DC	KLC2
DSCAM	9.59E-05	-0.24212	0	0.075	1 DC	DSCAM
KRT8	9.61E-05	0.15086	0.048	0.014	1 DC	KRT8

PITX1. 2	9. 62E-05	-0. 13735	0. 005	0. 086	1 DC	PITX1
MLLT3. 1	9. 63E-05	-0. 21149	0. 011	0. 095	1 DC	MLLT3
CENPT. 1	9. 64E-05	-0. 2729	0. 075	0. 192	1 DC	CENPT
NAP1L3. 1	9. 67E-05	-0. 25739	0. 016	0. 103	1 DC	NAP1L3
AZI2. 2	9. 67E-05	0. 323786	0. 39	0. 299	1 DC	AZI2
DOCK10. 3	9. 71E-05	0. 300763	0. 214	0. 124	1 DC	DOCK10
MAP2K2. 2	9. 72E-05	-0. 2907	0. 166	0. 304	1 DC	MAP2K2
ZMYND11. 3	9. 73E-05	-0. 183	0. 043	0. 148	1 DC	ZMYND11
ZNF639. 2	9. 78E-05	-0. 21446	0. 037	0. 138	1 DC	ZNF639
POLR2B. 2	9. 83E-05	-0. 28791	0. 128	0. 264	1 DC	POLR2B
THAP7. 1	9. 86E-05	-0. 19804	0. 086	0. 211	1 DC	THAP7
EI24. 1	9. 86E-05	-0. 26852	0. 273	0. 436	1 DC	EI24
LRRC17. 1	9. 88E-05	-0. 22287	0	0. 075	1 DC	LRRC17
COL16A1. 1	9. 98E-05	-0. 19034	0	0. 075	1 DC	COL16A1
SAMD1. 1	0. 000101	-0. 20206	0. 016	0. 104	1 DC	SAMD1
PTPRN. 2	0. 000101	-0. 26786	0	0. 075	1 DC	PTPRN
MAP2K3. 3	0. 000101	0. 29833	0. 283	0. 188	1 DC	MAP2K3
ZFP14. 1	0. 000102	-0. 24654	0. 021	0. 113	1 DC	ZFP14
CAB39L. 1	0. 000102	-0. 20215	0	0. 075	1 DC	CAB39L
FADS2. 1	0. 000103	-0. 20838	0. 037	0. 138	1 DC	FADS2
RUVBL1	0. 000103	-0. 24123	0. 128	0. 268	1 DC	RUVBL1
NNAT. 3	0. 000104	-0. 69295	0. 096	0. 197	1 DC	NNAT
CELF4. 3	0. 000104	-0. 31287	0. 011	0. 094	1 DC	CELF4
VIPR2. 2	0. 000104	-0. 31009	0. 005	0. 084	1 DC	VIPR2
DDX1. 1	0. 000106	-0. 26997	0. 203	0. 362	1 DC	DDX1
SDHAF1. 1	0. 000106	-0. 19708	0. 064	0. 178	1 DC	SDHAF1
TLR1. 3	0. 000106	0. 190028	0. 139	0. 067	1 DC	TLR1
DLX2. 3	0. 000108	-0. 37679	0. 021	0. 11	1 DC	DLX2
NSMAF. 2	0. 000108	0. 27383	0. 198	0. 115	1 DC	NSMAF
KEAP1. 1	0. 000109	-0. 23036	0. 134	0. 274	1 DC	KEAP1
KLHDC9. 1	0. 000109	-0. 19762	0	0. 074	1 DC	KLHDC9
C14orf37. 1	0. 00011	-0. 15917	0. 021	0. 113	1 DC	C14orf37
SALL1. 2	0. 00011	-0. 1711	0. 037	0. 139	1 DC	SALL1
CLUAP1. 2	0. 00011	-0. 25177	0. 059	0. 17	1 DC	CLUAP1
SORBS1. 1	0. 00011	-0. 17486	0. 011	0. 094	1 DC	SORBS1
GCHFR. 3	0. 000111	0. 200416	0. 15	0. 075	1 DC	GCHFR
RARA. 1	0. 000111	0. 290098	0. 171	0. 095	1 DC	RARA
MPP6. 1	0. 000111	-0. 17306	0	0. 074	1 DC	MPP6
PRDX4. 3	0. 000111	-0. 31614	0. 385	0. 549	1 DC	PRDX4
USP32	0. 000112	0. 315334	0. 176	0. 099	1 DC	USP32
PRRC2A. 2	0. 000112	-0. 12449	0. 107	0. 245	1 DC	PRRC2A
CCDC92. 1	0. 000112	-0. 18175	0. 016	0. 103	1 DC	CCDC92
CUTA. 3	0. 000112	-0. 2755	0. 583	0. 683	1 DC	CUTA
DNM1	0. 000112	-0. 14902	0	0. 074	1 DC	DNM1
ELOVL6. 1	0. 000113	-0. 17072	0. 011	0. 094	1 DC	ELOVL6
DIAPH1. 2	0. 000114	0. 38046	0. 219	0. 137	1 DC	DIAPH1
HSPA4L. 2	0. 000114	-0. 22979	0	0. 074	1 DC	HSPA4L
ARHGEF1. 3	0. 000114	0. 318765	0. 289	0. 195	1 DC	ARHGEF1
MARCH2. 3	0. 000114	0. 282724	0. 326	0. 231	1 DC	2-Mar
EIF2AK3. 1	0. 000115	0. 252412	0. 112	0. 052	1 DC	EIF2AK3
SATB2	0. 000115	-0. 15286	0	0. 074	1 DC	SATB2

AC069363. 0.000115	0.206077	0.112	0.05	1 DC	AC069363. 1
TBL2. 1 0.000115	-0.24172	0.075	0.191	1 DC	TBL2
AKIRIN2. 3 0.000115	0.259482	0.46	0.38	1 DC	AKIRIN2
KANK1. 1 0.000116	-0.20508	0.011	0.093	1 DC	KANK1
HNRNPA3. 1 0.000116	0.132107	0.642	0.553	1 DC	HNRNPA3
GIMAP4. 3 0.000116	0.104174	0.262	0.148	1 DC	GIMAP4
RPS6KL1. 2 0.000116	-0.23571	0.016	0.102	1 DC	RPS6KL1
MAP6D1. 2 0.000116	-0.22654	0.005	0.084	1 DC	MAP6D1
KMT2A. 3 0.000117	-0.22435	0.107	0.238	1 DC	KMT2A
CTSL. 3 0.000117	-0.38788	0.38	0.526	1 DC	CTSL
SLC2A5. 3 0.000118	-0.53085	0.07	0.172	1 DC	SLC2A5
ZNF577. 2 0.000118	-0.17278	0.011	0.093	1 DC	ZNF577
PRKRIP1. 2 0.000119	-0.18453	0.112	0.243	1 DC	PRKRIP1
USP22. 3 0.000119	-0.24278	0.171	0.322	1 DC	USP22
TXNDC11. 1 0.000119	0.267165	0.198	0.115	1 DC	TXNDC11
SERINC2. 1 0.000119	-0.15144	0.027	0.122	1 DC	SERINC2
RP13-516M 0.000119	0.169421	0.08	0.031	1 DC	RP13-516M14. 4
MFSD7. 2 0.000119	0.159164	0.08	0.031	1 DC	MFSD7
MAD2L2. 2 0.00012	-0.33607	0.257	0.394	1 DC	MAD2L2
KHSRP. 3 0.00012	-0.22278	0.107	0.24	1 DC	KHSRP
FAM198B. 1 0.000121	0.132771	0.128	0.06	1 DC	FAM198B
RAB5C. 1 0.000122	0.109703	0.759	0.651	1 DC	RAB5C
EMID1. 2 0.000122	-0.17053	0	0.073	1 DC	EMID1
B4GALT5. 1 0.000122	-0.22737	0.08	0.198	1 DC	B4GALT5
FAM102B 0.000122	0.140152	0.075	0.028	1 DC	FAM102B
BOLA1. 1 0.000122	-0.24239	0.048	0.153	1 DC	BOLA1
DLG1. 2 0.000122	-0.24239	0.059	0.167	1 DC	DLG1
JAZF1. 3 0.000123	0.220563	0.198	0.112	1 DC	JAZF1
HABP4 0.000123	-0.16139	0.027	0.121	1 DC	HABP4
CTC-444N2 0.000123	-0.21087	0.037	0.137	1 DC	CTC-444N24. 11
HAAO. 2 0.000123	0.190216	0.064	0.022	1 DC	HAAO
KIAA0895L 0.000124	-0.20687	0.011	0.093	1 DC	KIAA0895L
DPH7. 2 0.000124	-0.21891	0.059	0.169	1 DC	DPH7
ENKUR. 1 0.000124	-0.23307	0	0.073	1 DC	ENKUR
SRRM3. 2 0.000124	-0.26317	0	0.073	1 DC	SRRM3
CASP10 0.000124	0.150578	0.07	0.025	1 DC	CASP10
ADPRHL2. 2 0.000124	-0.20449	0.123	0.263	1 DC	ADPRHL2
ZNF267. 3 0.000124	0.264985	0.219	0.131	1 DC	ZNF267
OTUD7B. 1 0.000125	-0.20602	0.016	0.102	1 DC	OTUD7B
C14orf132 0.000125	-0.27888	0.011	0.093	1 DC	C14orf132
SCN3B. 1 0.000125	-0.26654	0	0.073	1 DC	SCN3B
CCDC136. 1 0.000126	-0.23403	0.011	0.092	1 DC	CCDC136
LONRF2. 1 0.000126	-0.18452	0.011	0.093	1 DC	LONRF2
AMOTL2 0.000127	-0.25645	0.005	0.082	1 DC	AMOTL2
CBX8. 1 0.000128	-0.18136	0	0.073	1 DC	CBX8
KCNQ10T1. 0.000128	-0.33242	0.15	0.28	1 DC	KCNQ10T1
CYHR1. 2 0.000128	-0.17987	0.139	0.281	1 DC	CYHR1
DDX55. 1 0.000128	-0.21881	0.027	0.119	1 DC	DDX55
FAM168A. 3 0.000129	-0.19119	0.032	0.129	1 DC	FAM168A
NTN1 0.000129	-0.1367	0.005	0.083	1 DC	NTN1
HSPE1. 3 0.000129	-0.23869	0.69	0.73	1 DC	HSPE1

DDX42.1	0.000129	-0.24562	0.096	0.22	1 DC	DDX42
TYRO3.2	0.00013	-0.20922	0.021	0.111	1 DC	TYRO3
THAP3.2	0.00013	-0.23425	0.037	0.136	1 DC	THAP3
CASC15.2	0.000131	-0.2576	0.016	0.101	1 DC	CASC15
LATS2	0.000131	0.207756	0.091	0.038	1 DC	LATS2
STAMPB.1	0.000131	-0.21711	0.128	0.268	1 DC	STAMPB
RASGRP4	0.000132	0.146639	0.059	0.019	1 DC	RASGRP4
TNFSF10.1	0.000132	0.145369	0.15	0.073	1 DC	TNFSF10
SBK1.3	0.000132	-0.22166	0	0.073	1 DC	SBK1
GCLM.1	0.000132	-0.18731	0.053	0.16	1 DC	GCLM
CCDC43.1	0.000132	-0.24103	0.08	0.201	1 DC	CCDC43
ZNF786.1	0.000133	-0.18272	0	0.073	1 DC	ZNF786
TIPARP.2	0.000133	0.253539	0.262	0.167	1 DC	TIPARP
ID2.2	0.000133	0.123834	0.802	0.652	1 DC	ID2
SWAP70.3	0.000134	0.223451	0.321	0.22	1 DC	SWAP70
HSPA8.2	0.000134	-0.21777	0.861	0.866	1 DC	HSPA8
SETD4.1	0.000134	-0.23888	0.032	0.127	1 DC	SETD4
CASP2	0.000135	-0.20619	0.016	0.101	1 DC	CASP2
ABTB1.3	0.000135	0.196256	0.187	0.103	1 DC	ABTB1
LMNB2.3	0.000135	-0.1982	0.027	0.118	1 DC	LMNB2
NUDCD3.1	0.000136	-0.22596	0.08	0.2	1 DC	NUDCD3
PPP1R9A.2	0.000136	-0.2439	0	0.072	1 DC	PPP1R9A
CHTOP.1	0.000136	-0.3153	0.219	0.369	1 DC	CHTOP
CREB1.2	0.000137	-0.30988	0.118	0.243	1 DC	CREB1
FAM188A.1	0.000137	-0.2042	0.011	0.092	1 DC	FAM188A
PGAM1.1	0.000138	0.158652	0.578	0.5	1 DC	PGAM1
ZNF667.2	0.000138	-0.17937	0.005	0.083	1 DC	ZNF667
ORC4.2	0.000139	-0.22012	0.107	0.237	1 DC	ORC4
TSPAN31.2	0.000139	-0.2715	0.16	0.297	1 DC	TSPAN31
RGMB.2	0.000139	-0.29906	0.037	0.133	1 DC	RGMB
PAXIP1-AS	0.000139	-0.15599	0.053	0.16	1 DC	PAXIP1-AS1
CEP41	0.00014	-0.21508	0.048	0.153	1 DC	CEP41
RGS14	0.00014	0.180976	0.086	0.034	1 DC	RGS14
CNOT4	0.00014	-0.22416	0.139	0.274	1 DC	CNOT4
KANK2	0.00014	-0.16369	0.011	0.092	1 DC	KANK2
PPM1M.3	0.000141	0.252896	0.144	0.074	1 DC	PPM1M
MAML2.2	0.000141	-0.21758	0.08	0.2	1 DC	MAML2
FAM162A.3	0.000141	0.160785	0.503	0.399	1 DC	FAM162A
HMGCR.1	0.000142	-0.18807	0.021	0.11	1 DC	HMGCR
NRARP.1	0.000142	0.204346	0.086	0.034	1 DC	NRARP
TPM4.2	0.000142	0.165863	0.604	0.495	1 DC	TPM4
CRISPLD1.	0.000142	-0.21827	0.011	0.091	1 DC	CRISPLD1
LLGL1.2	0.000143	-0.16536	0.016	0.101	1 DC	LLGL1
C17orf10C	0.000144	-0.16942	0.011	0.092	1 DC	C17orf100
BEND6.2	0.000144	-0.11955	0.027	0.12	1 DC	BEND6
MYLIP.3	0.000145	0.159781	0.225	0.127	1 DC	MYLIP
TLCD1.1	0.000145	-0.1472	0.005	0.082	1 DC	TLCD1
ARHGAP25.	0.000145	0.179558	0.134	0.065	1 DC	ARHGAP25
WNT5A.3	0.000146	0.171045	0.123	0.057	1 DC	WNT5A
HEXIM2.1	0.000146	-0.19476	0.005	0.082	1 DC	HEXIM2
ANKRD17.2	0.000147	-0.20904	0.096	0.219	1 DC	ANKRD17

RP9.1	0.000147	-0.15124	0.07	0.181	1 DC	RP9
UBL5.2	0.000148	-0.21119	0.834	0.831	1 DC	UBL5
PRRT2.1	0.000149	-0.14071	0.011	0.092	1 DC	PRRT2
CHCHD10.3	0.00015	0.187285	0.487	0.379	1 DC	CHCHD10
CEACAM21.	0.00015	0.118485	0.059	0.019	1 DC	CEACAM21
TMEM108.1	0.000151	-0.17626	0.005	0.081	1 DC	TMEM108
LINC01102	0.000151	-0.2558	0	0.071	1 DC	LINC01102
PLTP.1	0.000151	-0.41567	0.321	0.472	1 DC	PLTP
DYNC1H1.2	0.000152	-0.2677	0.193	0.34	1 DC	DYNC1H1
ZNF260	0.000152	-0.17896	0.016	0.101	1 DC	ZNF260
ELAVL2.3	0.000152	-0.26783	0.005	0.081	1 DC	ELAVL2
UBE20.2	0.000152	-0.18301	0.027	0.118	1 DC	UBE20
POLR2C.2	0.000153	-0.23577	0.198	0.352	1 DC	POLR2C
PTBP2.1	0.000154	-0.26082	0.021	0.107	1 DC	PTBP2
GRAMD3.3	0.000155	-0.25464	0.043	0.142	1 DC	GRAMD3
NACC1	0.000155	-0.18873	0.048	0.152	1 DC	NACC1
TAF6	0.000156	-0.21573	0.107	0.238	1 DC	TAF6
AC091729.	0.000156	-0.1616	0.005	0.082	1 DC	AC091729.9
METAP1D.1	0.000157	-0.21411	0.032	0.126	1 DC	METAP1D
CHFR.2	0.000157	0.275394	0.203	0.121	1 DC	CHFR
SYDE1	0.000158	-0.13882	0	0.071	1 DC	SYDE1
LRRC1.1	0.000158	-0.20952	0	0.071	1 DC	LRRC1
HELZ2.2	0.000158	-0.15563	0.016	0.101	1 DC	HELZ2
SLC4A3	0.000159	-0.15807	0.011	0.091	1 DC	SLC4A3
MBOAT7.3	0.000159	0.304398	0.321	0.242	1 DC	MBOAT7
RAB27A.2	0.000159	0.182179	0.15	0.077	1 DC	RAB27A
TMEM47.1	0.000159	-0.16463	0.005	0.081	1 DC	TMEM47
AC004540.	0.00016	-0.24153	0.005	0.081	1 DC	AC004540.5
SLC35G2.3	0.000161	-0.18795	0.027	0.118	1 DC	SLC35G2
MUT.2	0.000161	-0.20157	0.053	0.159	1 DC	MUT
CSNK2B	0.000162	0.147248	0.684	0.607	1 DC	CSNK2B
PAK4.1	0.000163	-0.1968	0.027	0.117	1 DC	PAK4
BIK	0.000165	0.133363	0.043	0.012	1 DC	BIK
TPK1.2	0.000165	0.184765	0.102	0.045	1 DC	TPK1
HMGB1.1	0.000165	-0.17922	0.92	0.86	1 DC	HMGB1
PDE1B	0.000165	0.118016	0.059	0.02	1 DC	PDE1B
SPOCK2.1	0.000165	-0.26231	0.043	0.141	1 DC	SPOCK2
MAPK12.1	0.000165	-0.13836	0	0.071	1 DC	MAPK12
TMEM55A.2	0.000166	-0.22724	0.107	0.235	1 DC	TMEM55A
C8orf33	0.000166	-0.22892	0.171	0.321	1 DC	C8orf33
FBX044.1	0.000167	-0.21723	0.043	0.143	1 DC	FBX044
GPR171	0.000167	0.193735	0.059	0.02	1 DC	GPR171
CCDC167.1	0.000167	-0.20706	0.235	0.385	1 DC	CCDC167
DPY19L3.1	0.00017	-0.19457	0.011	0.09	1 DC	DPY19L3
HMG1.3	0.000171	0.147941	0.791	0.663	1 DC	HMG1
ACTR3B	0.000172	-0.16529	0.021	0.109	1 DC	ACTR3B
CDADC1.1	0.000172	-0.23861	0.021	0.108	1 DC	CDADC1
THAP8	0.000172	-0.21778	0.005	0.08	1 DC	THAP8
NOS1AP.2	0.000173	-0.18058	0.005	0.08	1 DC	NOS1AP
FKBP4.2	0.000174	-0.25043	0.182	0.323	1 DC	FKBP4
PACSIN3.1	0.000174	-0.15038	0	0.07	1 DC	PACSIN3

S100B.2	0.000174	-0.37077	0.38	0.53	1 DC	S100B
IGF1R.1	0.000176	-0.19499	0	0.07	1 DC	IGF1R
FAM64A.3	0.000176	-0.25967	0	0.07	1 DC	FAM64A
SNX9.3	0.000177	0.329427	0.278	0.188	1 DC	SNX9
RNF219	0.000177	-0.2338	0.027	0.116	1 DC	RNF219
SLC30A9.2	0.000177	-0.2049	0.123	0.254	1 DC	SLC30A9
CSNK1D.3	0.000177	0.220543	0.449	0.358	1 DC	CSNK1D
CUEDC1.3	0.000179	-0.19171	0.027	0.116	1 DC	CUEDC1
CAV1.3	0.000179	-0.7007	0.037	0.128	1 DC	CAV1
POM121C.2	0.00018	-0.20361	0.043	0.142	1 DC	POM121C
IRF2BP1.2	0.00018	-0.16604	0.021	0.107	1 DC	IRF2BP1
B3GAT3.1	0.00018	-0.27291	0.23	0.381	1 DC	B3GAT3
LINC00685	0.000181	-0.19356	0.048	0.151	1 DC	LINC00685
TLR5.2	0.000181	0.180482	0.102	0.044	1 DC	TLR5
RASGRP1.2	0.000181	-0.14846	0	0.07	1 DC	RASGRP1
CHCHD7.2	0.000182	0.202816	0.401	0.284	1 DC	CHCHD7
FMN2.1	0.000183	-0.17298	0	0.07	1 DC	FMN2
LNX1	0.000183	-0.22275	0	0.07	1 DC	LNX1
DHRS7.3	0.000183	0.127372	0.674	0.554	1 DC	DHRS7
SH3RF1.1	0.000183	-0.17345	0.021	0.108	1 DC	SH3RF1
SIDT1.2	0.000183	0.167802	0.064	0.023	1 DC	SIDT1
ZNF397.1	0.000184	-0.22981	0.059	0.164	1 DC	ZNF397
SRRD.2	0.000184	-0.11054	0.027	0.118	1 DC	SRRD
MEOX2.1	0.000184	-0.20661	0.005	0.08	1 DC	MEOX2
MGST3.2	0.000185	-0.31534	0.567	0.695	1 DC	MGST3
RRP1B.3	0.000186	-0.19229	0.053	0.157	1 DC	RRP1B
L3HYPDH.1	0.000187	-0.16732	0.032	0.126	1 DC	L3HYPDH
CDH6.1	0.000188	-0.14869	0	0.07	1 DC	CDH6
CARKD.2	0.000189	-0.2471	0.037	0.131	1 DC	CARKD
BIRC5.3	0.000189	-0.33733	0.021	0.106	1 DC	BIRC5
TMEM177.2	0.000189	-0.18827	0.005	0.08	1 DC	TMEM177
ATMIN.2	0.000189	-0.17049	0.027	0.117	1 DC	ATMIN
ING2.1	0.000189	-0.2015	0.091	0.208	1 DC	ING2
GLDC.1	0.00019	-0.16362	0	0.07	1 DC	GLDC
RSAD1.1	0.00019	-0.16699	0.048	0.15	1 DC	RSAD1
EPAS1.2	0.00019	-0.26768	0.021	0.106	1 DC	EPAS1
PLEKHA3.2	0.000191	-0.20494	0.107	0.233	1 DC	PLEKHA3
PMM1.2	0.000191	-0.32885	0.112	0.235	1 DC	PMM1
NDUFS3.1	0.000192	-0.24294	0.321	0.492	1 DC	NDUFS3
MYC.2	0.000193	-0.28647	0.064	0.171	1 DC	MYC
RP11-597E	0.000194	0.121695	0.064	0.023	1 DC	RP11-597D13.8
PAX6.1	0.000195	-0.14104	0.005	0.08	1 DC	PAX6
TMEM136.1	0.000195	-0.17308	0.011	0.089	1 DC	TMEM136
TCEAL1.3	0.000195	-0.24167	0.128	0.257	1 DC	TCEAL1
FAM134B.1	0.000195	-0.17899	0.059	0.167	1 DC	FAM134B
NFKB2.3	0.000196	0.255848	0.123	0.06	1 DC	NFKB2
BCL2L1.2	0.000197	-0.22565	0.134	0.266	1 DC	BCL2L1
ZNF436.1	0.000198	-0.14879	0.005	0.079	1 DC	ZNF436
HHLA3.3	0.000198	-0.16689	0.043	0.141	1 DC	HHLA3
CLHC1	0.0002	-0.18017	0	0.069	1 DC	CLHC1
PLL.P.2	0.0002	-0.35117	0	0.069	1 DC	PLL.P

WDFY4.2	0.0002	0.129792	0.07	0.025	1 DC	WDFY4
CPED1.1	0.0002	0.140617	0.08	0.032	1 DC	CPED1
GNL1.1	0.0002	-0.17703	0.112	0.244	1 DC	GNL1
PHACTR3.2	0.0002	-0.25686	0.005	0.079	1 DC	PHACTR3
DBNDD1.1	0.000202	-0.16099	0	0.069	1 DC	DBNDD1
ADAMTS9.1	0.000202	-0.17208	0.005	0.079	1 DC	ADAMTS9
ZNF583.1	0.000203	-0.20591	0.021	0.107	1 DC	ZNF583
AC007405.0	0.000204	-0.15712	0	0.069	1 DC	AC007405.6
EXT2.2	0.000204	-0.19065	0.064	0.173	1 DC	EXT2
ERCC4.1	0.000205	-0.23895	0.037	0.131	1 DC	ERCC4
FAM228B.2	0.000205	-0.23846	0.096	0.217	1 DC	FAM228B
FREM2.2	0.000206	-0.12541	0	0.069	1 DC	FREM2
PNP.1	0.000206	0.241664	0.182	0.102	1 DC	PNP
CXXC4.2	0.000206	-0.19186	0.005	0.079	1 DC	CXXC4
OSBPL1A.3	0.000207	-0.26236	0.08	0.193	1 DC	OSBPL1A
N4BP2L1.1	0.000207	0.267572	0.246	0.156	1 DC	N4BP2L1
LY6H.2	0.000207	-0.3282	0.011	0.087	1 DC	LY6H
SSFA2.1	0.000207	-0.22319	0.075	0.188	1 DC	SSFA2
HRH1.2	0.000207	-0.22551	0.016	0.097	1 DC	HRH1
EPSTI1.3	0.000207	0.156503	0.214	0.124	1 DC	EPSTI1
VSTM2A.2	0.000208	-0.40595	0.021	0.107	1 DC	VSTM2A
SDHD.2	0.000208	0.207084	0.476	0.394	1 DC	SDHD
LRP10.1	0.000208	0.250905	0.348	0.25	1 DC	LRP10
BARD1.2	0.000209	-0.21691	0.048	0.148	1 DC	BARD1
PDE4DIP.2	0.000209	-0.19378	0.134	0.266	1 DC	PDE4DIP
B3GALNT1.0	0.00021	-0.24322	0.075	0.185	1 DC	B3GALNT1
ASXL1.2	0.00021	-0.20906	0.07	0.179	1 DC	ASXL1
KCTD13.2	0.00021	-0.20311	0.043	0.14	1 DC	KCTD13
RBM28.1	0.000211	-0.19698	0.059	0.165	1 DC	RBM28
CHST8.2	0.000212	-0.1558	0	0.069	1 DC	CHST8
SOWAHC.1	0.000212	-0.16572	0	0.069	1 DC	SOWAHC
RNF165.2	0.000212	-0.18531	0	0.069	1 DC	RNF165
UBE2L3.3	0.000212	0.189978	0.594	0.534	1 DC	UBE2L3
PBRM1.2	0.000212	-0.25746	0.118	0.242	1 DC	PBRM1
C16orf52.0	0.000212	-0.17044	0.016	0.097	1 DC	C16orf52
LIN7B.1	0.000213	-0.1919	0.032	0.124	1 DC	LIN7B
TNKS.3	0.000213	-0.14618	0.048	0.15	1 DC	TNKS
FHL3.2	0.000214	0.29187	0.241	0.158	1 DC	FHL3
ATF4.1	0.000214	0.162923	0.61	0.515	1 DC	ATF4
FHOD1.3	0.000215	0.157403	0.118	0.055	1 DC	FHOD1
PPA2.1	0.000215	0.226928	0.401	0.314	1 DC	PPA2
MED22.1	0.000215	-0.19342	0.021	0.107	1 DC	MED22
DPY19L1.1	0.000215	-0.1922	0.021	0.106	1 DC	DPY19L1
FAM168B.2	0.000215	-0.19822	0.059	0.165	1 DC	FAM168B
MPP1.3	0.000215	0.211961	0.305	0.199	1 DC	MPP1
MIR497HG.0	0.000216	-0.2481	0	0.068	1 DC	MIR497HG
CCDC14.1	0.000216	-0.26744	0.107	0.229	1 DC	CCDC14
SCAMP5.1	0.000217	-0.19079	0.016	0.097	1 DC	SCAMP5
BOC.1	0.000217	-0.15438	0.011	0.088	1 DC	BOC
LRRC47.2	0.000217	-0.20628	0.096	0.218	1 DC	LRRC47
CDKN2A.2	0.000218	-0.35723	0.021	0.104	1 DC	CDKN2A



IGSF11.1	0.000218	-0.17422	0	0.068	1 DC	IGSF11
RP11-277F	0.000218	-0.22447	0	0.068	1 DC	RP11-277P12.20
NCAM2.1	0.000218	-0.24007	0	0.068	1 DC	NCAM2
TOX3.2	0.000218	-0.2516	0	0.068	1 DC	TOX3
GTF2H2C	0.000219	-0.20443	0.011	0.088	1 DC	GTF2H2C
PNMAL1.2	0.000219	-0.17797	0.016	0.097	1 DC	PNMAL1
PLEKHJ1.1	0.00022	-0.20919	0.214	0.369	1 DC	PLEKHJ1
MARK1	0.00022	-0.13962	0	0.068	1 DC	MARK1
INADL.2	0.00022	-0.22109	0	0.068	1 DC	INADL
CSGALNACT	0.000222	0.240993	0.166	0.092	1 DC	CSGALNACT2
UFC1.2	0.000222	0.140066	0.631	0.56	1 DC	UFC1
KCNQ1.2	0.000222	0.121543	0.091	0.038	1 DC	KCNQ1
ZC3H8.1	0.000224	-0.17745	0.048	0.149	1 DC	ZC3H8
AEBP1.2	0.000224	-0.25362	0.032	0.123	1 DC	AEBP1
CEP89.1	0.000225	-0.18595	0.037	0.132	1 DC	CEP89
UBE2M.3	0.000227	-0.15972	0.107	0.232	1 DC	UBE2M
SEC11C.2	0.000228	-0.29115	0.348	0.499	1 DC	SEC11C
CCDC124	0.000229	-0.29332	0.321	0.473	1 DC	CCDC124
SLC12A2.2	0.00023	-0.22794	0.037	0.131	1 DC	SLC12A2
CLNS1A.2	0.00023	0.196568	0.567	0.49	1 DC	CLNS1A
RP11-66N1	0.00023	-0.18958	0.011	0.088	1 DC	RP11-66N11.8
MPP5.1	0.000231	-0.12729	0.016	0.097	1 DC	MPP5
IL6R.3	0.000231	0.225568	0.16	0.085	1 DC	IL6R
FAM127C	0.000231	-0.22746	0.021	0.105	1 DC	FAM127C
LRP6.2	0.000231	-0.20331	0.027	0.113	1 DC	LRP6
PLCD3	0.000231	-0.13258	0	0.068	1 DC	PLCD3
SLC22A23	0.000231	-0.17022	0	0.068	1 DC	SLC22A23
SLC44A2.1	0.000232	-0.17785	0.086	0.204	1 DC	SLC44A2
PLXNA4.2	0.000232	-0.2139	0.005	0.077	1 DC	PLXNA4
LPL.1	0.000232	-0.33188	0.059	0.16	1 DC	LPL
TPT1-AS1.	0.000233	-0.18068	0.043	0.14	1 DC	TPT1-AS1
CLIP2.2	0.000234	-0.21431	0.07	0.178	1 DC	CLIP2
MCMBP.2	0.000234	0.280716	0.225	0.143	1 DC	MCMBP
SDR39U1.1	0.000235	-0.25659	0.144	0.277	1 DC	SDR39U1
MPDZ.1	0.000236	-0.16409	0.011	0.087	1 DC	MPDZ
ZNF43.1	0.000236	-0.19504	0.043	0.139	1 DC	ZNF43
YIPF3.2	0.000236	-0.29491	0.326	0.486	1 DC	YIPF3
SERPINH1.	0.000237	-0.14176	0.091	0.211	1 DC	SERPINH1
TBC1D9.3	0.000238	0.18858	0.112	0.053	1 DC	TBC1D9
FBLN1.2	0.000239	-0.28518	0.011	0.086	1 DC	FBLN1
SAMD4A	0.000243	-0.18467	0.011	0.087	1 DC	SAMD4A
TRIM52	0.000244	-0.19278	0.005	0.077	1 DC	TRIM52
ZNF682	0.000244	-0.18497	0.005	0.077	1 DC	ZNF682
SCAF1.2	0.000244	-0.16398	0.053	0.155	1 DC	SCAF1
AGPAT4.1	0.000246	-0.2279	0.021	0.104	1 DC	AGPAT4
NUDT3.3	0.000246	0.217443	0.476	0.399	1 DC	NUDT3
DENND5B.2	0.000246	-0.13107	0.016	0.097	1 DC	DENND5B
MUL1	0.000246	-0.2046	0.059	0.162	1 DC	MUL1
POLR3F.1	0.000246	-0.19189	0.043	0.138	1 DC	POLR3F
PLAT	0.000247	-0.24733	0.032	0.121	1 DC	PLAT
CCDC82	0.000248	-0.16884	0.134	0.274	1 DC	CCDC82

ANAPC11.3	0.000249	-0.21315	0.668	0.728	1 DC	ANAPC11
TRIM69.1	0.00025	-0.2489	0.086	0.199	1 DC	TRIM69
FKBP14	0.000252	-0.17021	0.016	0.096	1 DC	FKBP14
SRR.2	0.000252	-0.19679	0.053	0.155	1 DC	SRR
FAM131B.1	0.000253	-0.18556	0.005	0.077	1 DC	FAM131B
UBE2S.3	0.000254	-0.27688	0.209	0.346	1 DC	UBE2S
JRKL.1	0.000254	-0.16437	0.005	0.077	1 DC	JRKL
PDDC1.2	0.000255	-0.18513	0.048	0.147	1 DC	PDDC1
CELF3.3	0.000255	-0.23122	0	0.067	1 DC	CELF3
SYTL2.1	0.000256	-0.27348	0.005	0.077	1 DC	SYTL2
HNRNPUL1.	0.000256	0.228197	0.46	0.382	1 DC	HNRNPUL1
GCLC.3	0.000257	0.243128	0.171	0.096	1 DC	GCLC
FAM181A.1	0.000258	-0.24408	0	0.067	1 DC	FAM181A
KLHDC8B.2	0.000259	-0.19515	0.021	0.105	1 DC	KLHDC8B
RP11-115C	0.000261	-0.16253	0.011	0.087	1 DC	RP11-115C21.2
SSBP2.3	0.000262	-0.20748	0.134	0.272	1 DC	SSBP2
MED28.2	0.000262	0.216566	0.422	0.337	1 DC	MED28
FRS2.2	0.000263	-0.22876	0.027	0.113	1 DC	FRS2
ZNF506.1	0.000263	-0.16811	0.032	0.123	1 DC	ZNF506
SWI5.3	0.000263	-0.23803	0.118	0.247	1 DC	SWI5
FBXW9	0.000263	-0.17388	0.027	0.113	1 DC	FBXW9
ZSCAN21.1	0.000264	-0.21803	0.021	0.103	1 DC	ZSCAN21
MED24.2	0.000266	-0.17259	0.064	0.17	1 DC	MED24
AFAP1.1	0.000266	-0.16159	0.011	0.086	1 DC	AFAP1
DNAAF1.2	0.000267	0.277225	0.07	0.026	1 DC	DNAAF1
TOMM5.3	0.000269	0.369409	0.289	0.208	1 DC	TOMM5
PEX10.1	0.00027	-0.18393	0.08	0.194	1 DC	PEX10
VAV1.3	0.00027	0.152007	0.144	0.073	1 DC	VAV1
NOL4.1	0.000274	-0.18497	0	0.066	1 DC	NOL4
RAB8B.2	0.000275	0.283524	0.235	0.153	1 DC	RAB8B
DIP2C.2	0.000275	-0.20608	0.011	0.086	1 DC	DIP2C
PLXNB1.2	0.000275	-0.19644	0.005	0.077	1 DC	PLXNB1
GTF2IRD2E	0.000276	-0.19814	0.043	0.138	1 DC	GTF2IRD2B
CMSS1	0.000276	-0.23668	0.155	0.292	1 DC	CMSS1
XPOT.2	0.000277	-0.20012	0.064	0.169	1 DC	XPOT
C5orf42.1	0.000278	-0.15606	0.016	0.095	1 DC	C5orf42
PDCL.1	0.00028	-0.23491	0.086	0.196	1 DC	PDCL
GPRASP2.1	0.000282	-0.17583	0	0.066	1 DC	GPRASP2
RPRD1A.1	0.000282	-0.14165	0.091	0.209	1 DC	RPRD1A
PIK3IP1.3	0.000282	0.142369	0.262	0.159	1 DC	PIK3IP1
CCL2.1	0.000283	-0.58316	0.118	0.227	1 DC	CCL2
SNHG10	0.000283	-0.17081	0.016	0.095	1 DC	SNHG10
GNB2L1.3	0.000283	-0.17492	0.989	0.941	1 DC	GNB2L1
RP11-1114	0.000284	-0.19383	0.011	0.085	1 DC	RP11-1114A5.4
ARHGAP32.	0.000284	-0.1786	0.011	0.086	1 DC	ARHGAP32
PDGFB.2	0.000284	0.117156	0.102	0.045	1 DC	PDGFB
PDGFC	0.000286	-0.17168	0.032	0.121	1 DC	PDGFC
C1orf54.3	0.000287	0.203099	0.332	0.224	1 DC	C1orf54
VIM.2	0.000289	0.133243	0.941	0.659	1 DC	VIM
TSC2.1	0.000289	-0.19945	0.043	0.137	1 DC	TSC2
DNAAF2.2	0.000289	-0.19098	0.07	0.174	1 DC	DNAAF2

TLE3. 2	0.00029	0.19968	0.225	0.136	1 DC	TLE3
PEG3. 1	0.00029	-0.1938	0	0.066	1 DC	PEG3
HLA-A. 3	0.000291	-0.22453	0.963	0.895	1 DC	HLA-A
FEZ2. 3	0.000292	-0.22915	0.294	0.451	1 DC	FEZ2
DOCK11. 3	0.000293	0.252357	0.112	0.053	1 DC	DOCK11
RAB6B. 2	0.000293	-0.16416	0	0.066	1 DC	RAB6B
UQCRQ. 3	0.000294	-0.20624	0.786	0.799	1 DC	UQCRQ
ZNF680. 1	0.000295	-0.23761	0.07	0.176	1 DC	ZNF680
DERA. 1	0.000296	0.215223	0.342	0.25	1 DC	DERA
RORA	0.000297	-0.19872	0.005	0.076	1 DC	RORA
ABCA8. 1	0.000298	-0.2829	0.005	0.075	1 DC	ABCA8
RP11-410L	0.000299	-0.17596	0.037	0.13	1 DC	RP11-410L14. 2
CTHRC1. 2	0.000299	-0.13554	0	0.066	1 DC	CTHRC1
BNIP3. 2	0.000299	-0.33073	0.102	0.217	1 DC	BNIP3
NACC2. 1	0.0003	-0.14999	0.021	0.104	1 DC	NACC2
C17orf80.	0.000301	-0.16498	0.011	0.085	1 DC	C17orf80
PTK7	0.000301	-0.12924	0.016	0.095	1 DC	PTK7
GNAS. 3	0.000301	-0.24107	0.61	0.648	1 DC	GNAS
SOX21-AS1	0.000302	-0.14007	0	0.065	1 DC	SOX21-AS1
KHDC1. 2	0.000302	-0.19304	0	0.065	1 DC	KHDC1
SLC46A3. 3	0.000302	0.169762	0.118	0.057	1 DC	SLC46A3
VBP1. 2	0.000302	-0.23162	0.321	0.49	1 DC	VBP1
PGLS. 3	0.000302	0.167924	0.61	0.509	1 DC	PGLS
GLT8D1	0.000304	-0.2123	0.144	0.278	1 DC	GLT8D1
KCTD1. 1	0.000305	-0.15344	0	0.065	1 DC	KCTD1
FBXO21. 1	0.000306	-0.23569	0.171	0.31	1 DC	FBXO21
SCYL2. 2	0.000306	-0.17728	0.043	0.137	1 DC	SCYL2
RMDN3. 2	0.000307	-0.21673	0.118	0.242	1 DC	RMDN3
ZDHHC12. 3	0.000307	0.321654	0.348	0.259	1 DC	ZDHHC12
NAGPA. 2	0.000307	0.288914	0.182	0.108	1 DC	NAGPA
ABL1	0.000308	-0.19983	0.016	0.094	1 DC	ABL1
RDH5. 1	0.000308	-0.16756	0.021	0.104	1 DC	RDH5
PLK2. 2	0.000308	0.294412	0.219	0.136	1 DC	PLK2
ZNF793	0.000309	-0.21019	0.027	0.112	1 DC	ZNF793
FAM110A. 2	0.000311	0.214827	0.139	0.072	1 DC	FAM110A
BLCAP	0.000311	-0.23185	0.16	0.292	1 DC	BLCAP
BTG3. 2	0.000312	-0.22959	0.225	0.373	1 DC	BTG3
POLR3D. 1	0.000313	-0.20165	0.037	0.127	1 DC	POLR3D
TUBG2. 2	0.000314	-0.20608	0.027	0.112	1 DC	TUBG2
SLC2A10. 1	0.000314	-0.13193	0	0.065	1 DC	SLC2A10
SERPINE1.	0.000316	-0.40905	0.021	0.101	1 DC	SERPINE1
YDJC. 3	0.000316	0.322648	0.219	0.142	1 DC	YDJC
RALGAPA2.	0.000318	-0.14042	0.027	0.112	1 DC	RALGAPA2
ASB8	0.000318	-0.22162	0.102	0.219	1 DC	ASB8
UBA6-AS1.	0.000318	-0.17117	0.011	0.084	1 DC	UBA6-AS1
TRIB3. 2	0.000319	-0.21011	0.005	0.075	1 DC	TRIB3
LANCL1. 2	0.000319	-0.22327	0.032	0.118	1 DC	LANCL1
FAM179B. 1	0.000319	-0.2051	0.032	0.12	1 DC	FAM179B
CDC42BPB.	0.000319	-0.16519	0.032	0.12	1 DC	CDC42BPB
ZNF444. 1	0.000321	-0.16077	0.059	0.162	1 DC	ZNF444
NVL. 1	0.000325	-0.22609	0.027	0.11	1 DC	NVL

GNG3. 1	0.000325	-0.28693	0.005	0.075	1 DC	GNG3
ANGPTL2. 1	0.000325	-0.26675	0.021	0.101	1 DC	ANGPTL2
FTX. 1	0.000326	-0.2487	0.021	0.101	1 DC	FTX
GJC1. 1	0.000327	-0.12793	0	0.065	1 DC	GJC1
PLEKHH3. 1	0.000327	-0.11512	0.011	0.085	1 DC	PLEKHH3
PBK. 3	0.000328	-0.29184	0.005	0.074	1 DC	PBK
PLA2G16. 3	0.000332	-0.32139	0.251	0.407	1 DC	PLA2G16
CIRBP. 3	0.000335	-0.18127	0.888	0.865	1 DC	CIRBP
GPR37	0.000337	-0.32191	0.005	0.074	1 DC	GPR37
ESF1. 1	0.000339	-0.2168	0.203	0.348	1 DC	ESF1
SHOX2. 1	0.00034	-0.13363	0	0.064	1 DC	SHOX2
ICA1L	0.000341	-0.22583	0.021	0.101	1 DC	ICA1L
TIMP4. 1	0.000342	-0.30952	0.021	0.102	1 DC	TIMP4
PRUNE2. 1	0.000342	-0.29325	0.032	0.118	1 DC	PRUNE2
RP11-448A	0.000343	-0.14581	0.016	0.093	1 DC	RP11-448A19. 1
SEZ6. 3	0.000343	-0.26424	0.048	0.14	1 DC	SEZ6
TRIM33. 2	0.000346	-0.26688	0.08	0.184	1 DC	TRIM33
PPIF. 3	0.000346	0.266938	0.316	0.219	1 DC	PPIF
MMP15. 2	0.000346	-0.13774	0	0.064	1 DC	MMP15
NLGN2. 1	0.000346	-0.15917	0.016	0.093	1 DC	NLGN2
GPR161. 3	0.000348	-0.15699	0.011	0.084	1 DC	GPR161
IFT46. 1	0.000349	-0.19114	0.027	0.111	1 DC	IFT46
ABHD17C	0.000351	-0.12497	0.011	0.084	1 DC	ABHD17C
CAST. 2	0.000351	0.273727	0.401	0.317	1 DC	CAST
RBM26. 1	0.000354	-0.16689	0.096	0.215	1 DC	RBM26
PTPRD. 2	0.000354	-0.2458	0.005	0.074	1 DC	PTPRD
MTHFR. 2	0.000354	0.251778	0.144	0.077	1 DC	MTHFR
CNR1. 1	0.000355	-0.10526	0.005	0.074	1 DC	CNR1
ABCD3. 1	0.000356	-0.18367	0.086	0.197	1 DC	ABCD3
DIRAS2. 1	0.000357	-0.16882	0	0.064	1 DC	DIRAS2
ADAM22. 2	0.000357	-0.18622	0	0.064	1 DC	ADAM22
SLC25A37. 1	0.000358	0.213631	0.401	0.308	1 DC	SLC25A37
TPX2. 2	0.000358	-0.232	0.011	0.084	1 DC	TPX2
MIB1. 1	0.00036	-0.14569	0.016	0.093	1 DC	MIB1
PIK3CD. 1	0.000362	0.14888	0.075	0.03	1 DC	PIK3CD
NXPH4. 1	0.000364	-0.21219	0	0.064	1 DC	NXPH4
CLIC4. 2	0.000365	-0.29619	0.198	0.334	1 DC	CLIC4
SRSF12. 1	0.000366	-0.1605	0.005	0.074	1 DC	SRSF12
PGPEP1. 1	0.000367	-0.18965	0.043	0.135	1 DC	PGPEP1
TM2D2. 1	0.000368	-0.26364	0.198	0.343	1 DC	TM2D2
COX7A2L. 1	0.000368	0.106261	0.695	0.611	1 DC	COX7A2L
GRB10. 2	0.000369	-0.17124	0.005	0.074	1 DC	GRB10
CACNG8. 1	0.00037	-0.13871	0.005	0.074	1 DC	CACNG8
GATS	0.000371	-0.19015	0	0.064	1 DC	GATS
SDHB	0.000372	0.156073	0.503	0.423	1 DC	SDHB
ZCCHC24. 1	0.000373	-0.23661	0.021	0.101	1 DC	ZCCHC24
MT1G. 2	0.000375	-0.58465	0.043	0.129	1 DC	MT1G
SCN3A. 2	0.000376	-0.2176	0.005	0.073	1 DC	SCN3A
TRMT11. 1	0.000377	-0.18857	0.032	0.118	1 DC	TRMT11
DMXL2. 2	0.000378	-0.21375	0.011	0.082	1 DC	DMXL2
SMPDL3A. 2	0.000378	-0.2447	0.037	0.126	1 DC	SMPDL3A

NDEL1. 2	0.000378	0.257267	0.235	0.152	1 DC	NDEL1
NANOS3. 1	0.000378	-0.14162	0	0.063	1 DC	NANOS3
PTPRG	0.000379	-0.16306	0.005	0.074	1 DC	PTPRG
RNF220. 2	0.000381	-0.21901	0.053	0.149	1 DC	RNF220
MICU3. 3	0.000381	-0.18588	0.011	0.084	1 DC	MICU3
ZNF334	0.000384	-0.1576	0.005	0.073	1 DC	ZNF334
VANGL2. 1	0.000384	-0.12671	0.005	0.074	1 DC	VANGL2
COL5A2. 1	0.000386	-0.12331	0	0.063	1 DC	COL5A2
AGAP3. 2	0.000387	-0.15863	0.021	0.101	1 DC	AGAP3
HOXA2. 2	0.000387	-0.22838	0.005	0.073	1 DC	HOXA2
RB1. 3	0.00039	0.223796	0.406	0.303	1 DC	RB1
LINC00667	0.00039	-0.26351	0.123	0.246	1 DC	LINC00667
IFT88. 1	0.00039	-0.16408	0.027	0.11	1 DC	IFT88
FAM98A. 1	0.00039	-0.18407	0.048	0.143	1 DC	FAM98A
PWAR6	0.000391	-0.15314	0.005	0.073	1 DC	PWAR6
ZNF138. 1	0.000393	-0.23448	0.053	0.147	1 DC	ZNF138
AP1G1. 2	0.000394	-0.20743	0.037	0.126	1 DC	AP1G1
CREG1. 3	0.000395	0.173991	0.417	0.295	1 DC	CREG1
GKAP1. 2	0.000395	-0.19922	0.016	0.091	1 DC	GKAP1
PPP1R2. 1	0.000397	0.206102	0.455	0.367	1 DC	PPP1R2
FUBP3. 1	0.000401	-0.12747	0.118	0.242	1 DC	FUBP3
TMTC4. 2	0.000402	-0.21931	0.021	0.1	1 DC	TMTC4
ELMOD1. 1	0.000403	-0.12287	0.011	0.083	1 DC	ELMOD1
CREB3L1	0.000405	-0.12223	0	0.063	1 DC	CREB3L1
GIMAP8	0.000405	0.134633	0.053	0.018	1 DC	GIMAP8
CYB5A. 2	0.000408	-0.32353	0.209	0.344	1 DC	CYB5A
CD151. 2	0.000409	-0.31506	0.337	0.484	1 DC	CD151
RP13-516M	0.00041	0.113135	0.043	0.013	1 DC	RP13-516M14. 1
SLC50A1. 2	0.000411	0.248586	0.251	0.166	1 DC	SLC50A1
GNPDA2	0.000413	-0.13628	0.037	0.126	1 DC	GNPDA2
CNKSR2. 1	0.000413	-0.13517	0	0.063	1 DC	CNKSR2
EVA1C. 2	0.000414	-0.166	0.005	0.073	1 DC	EVA1C
PCDHB7. 1	0.000416	-0.2095	0.005	0.072	1 DC	PCDHB7
UNG	0.000417	-0.24643	0.037	0.123	1 DC	UNG
GPD2	0.000417	-0.17782	0.016	0.091	1 DC	GPD2
TBC1D8	0.000418	0.218618	0.096	0.044	1 DC	TBC1D8
TRUB2. 1	0.000419	-0.1688	0.096	0.214	1 DC	TRUB2
NDUFB3. 2	0.000421	0.123389	0.631	0.552	1 DC	NDUFB3
ZNF528. 1	0.000421	-0.16239	0.027	0.109	1 DC	ZNF528
PIAS4	0.000423	-0.20085	0.043	0.133	1 DC	PIAS4
GTF2IRD2.	0.000424	-0.19975	0.032	0.118	1 DC	GTF2IRD2
EPHA4	0.000425	-0.15115	0.011	0.082	1 DC	EPHA4
MOB3B. 2	0.000427	0.199587	0.166	0.093	1 DC	MOB3B
NACAD. 2	0.000427	-0.22954	0.016	0.09	1 DC	NACAD
EHD2. 1	0.000427	-0.13766	0.011	0.082	1 DC	EHD2
SPA17. 3	0.000428	-0.20793	0.011	0.082	1 DC	SPA17
SLC25A14	0.000429	-0.18293	0.016	0.091	1 DC	SLC25A14
GPR160	0.000431	0.154531	0.064	0.024	1 DC	GPR160
ABCA1. 2	0.000432	-0.25111	0.123	0.241	1 DC	ABCA1
CEP95	0.000433	-0.18237	0.037	0.125	1 DC	CEP95
SYNM. 1	0.000433	-0.12958	0.005	0.073	1 DC	SYNM

ITGA3.1	0.000434	-0.17073	0.021	0.1	1 DC	ITGA3
HYOU1.2	0.000435	-0.21057	0.048	0.141	1 DC	HYOU1
CD47.2	0.000437	0.225677	0.465	0.383	1 DC	CD47
HOMER1.2	0.000439	-0.17538	0.059	0.158	1 DC	HOMER1
TENM1.1	0.000439	-0.14774	0.005	0.072	1 DC	TENM1
Clorf109.	0.00044	-0.17059	0.043	0.134	1 DC	Clorf109
HSDL1.2	0.00044	-0.16584	0.043	0.132	1 DC	HSDL1
AVIL.1	0.000444	-0.22582	0.016	0.09	1 DC	AVIL
LSS.2	0.000444	-0.19472	0.021	0.099	1 DC	LSS
EXTL3.1	0.000445	-0.18212	0.043	0.133	1 DC	EXTL3
EEA1.2	0.000447	-0.20374	0.123	0.247	1 DC	EEA1
FAM102A	0.000447	-0.22257	0.021	0.099	1 DC	FAM102A
CNTRL.3	0.000448	0.264197	0.193	0.117	1 DC	CNTRL
EID2B.1	0.000449	-0.17348	0.016	0.091	1 DC	EID2B
SRSF6.3	0.00045	0.255955	0.433	0.358	1 DC	SRSF6
RAB3GAP2.	0.00045	-0.2032	0.07	0.172	1 DC	RAB3GAP2
SMIM18.2	0.000451	-0.21305	0	0.062	1 DC	SMIM18
AC004951.	0.000452	-0.1675	0.059	0.158	1 DC	AC004951.6
HRSP12.3	0.000453	-0.23628	0.091	0.2	1 DC	HRSP12
NOVA2.1	0.000454	-0.15832	0.011	0.082	1 DC	NOVA2
ZNF232.1	0.000456	-0.17621	0.011	0.081	1 DC	ZNF232
UBE2K.1	0.000461	0.280099	0.374	0.297	1 DC	UBE2K
PLK3.3	0.000463	0.234276	0.337	0.239	1 DC	PLK3
MIS18A.1	0.000465	-0.20708	0.027	0.107	1 DC	MIS18A
ZDHHC15.1	0.000465	-0.14212	0	0.062	1 DC	ZDHHC15
CRLF3.3	0.000465	0.261522	0.187	0.112	1 DC	CRLF3
SPON2	0.000466	0.184494	0.059	0.021	1 DC	SPON2
LAMA4.1	0.000469	-0.14261	0.005	0.072	1 DC	LAMA4
PPP1R14C.	0.000469	-0.13545	0	0.062	1 DC	PPP1R14C
NELFA.2	0.000471	-0.18882	0.048	0.141	1 DC	NELFA
SMKR1	0.000471	-0.16951	0.005	0.072	1 DC	SMKR1
PIK3CG.1	0.000474	0.168746	0.059	0.021	1 DC	PIK3CG
YWHAZ.1	0.000474	0.148785	0.626	0.534	1 DC	YWHAZ
CTC-479C5	0.000474	0.14288	0.107	0.05	1 DC	CTC-479C5.12
SMAD9.1	0.000477	-0.18868	0.005	0.071	1 DC	SMAD9
SOX15.1	0.000478	-0.23021	0.005	0.071	1 DC	SOX15
ZNF337	0.000479	-0.14837	0.005	0.072	1 DC	ZNF337
YBEY	0.000479	-0.20048	0.107	0.223	1 DC	YBEY
HSPA13.2	0.000481	-0.19822	0.091	0.201	1 DC	HSPA13
AP006222.	0.000482	-0.22064	0.096	0.213	1 DC	AP006222.2
TRIM37.1	0.000485	-0.13072	0.053	0.151	1 DC	TRIM37
ROM1.2	0.000485	-0.26058	0.032	0.115	1 DC	ROM1
SLC25A19.	0.000488	0.274502	0.257	0.167	1 DC	SLC25A19
CETN3.1	0.000488	-0.21444	0.053	0.148	1 DC	CETN3
NOTCH3	0.000488	-0.12381	0	0.061	1 DC	NOTCH3
KBTBD6.1	0.000489	-0.1854	0.043	0.133	1 DC	KBTBD6
LRRC45.3	0.00049	-0.14506	0.016	0.09	1 DC	LRRC45
REEP4.3	0.000491	0.201484	0.257	0.166	1 DC	REEP4
CFDP1.2	0.000492	-0.30399	0.267	0.418	1 DC	CFDP1
MTHFD2L.1	0.000493	-0.214	0.096	0.208	1 DC	MTHFD2L
GDF15.2	0.000493	-0.30485	0.005	0.071	1 DC	GDF15

NELFCD. 1	0.000494	-0.26324	0.203	0.339	1 DC	NELFCD
NCBP2-AS2	0.000495	-0.159	0.15	0.279	1 DC	NCBP2-AS2
GLRX3. 2	0.000496	0.236102	0.385	0.303	1 DC	GLRX3
STARD8	0.000497	0.140452	0.037	0.011	1 DC	STARD8
PELO. 2	0.000497	-0.14521	0.027	0.108	1 DC	PELO
PCDH19. 1	0.000498	-0.13168	0	0.061	1 DC	PCDH19
IPP. 1	0.000498	-0.1486	0	0.061	1 DC	IPP
TIAM2. 2	0.000499	-0.20393	0.011	0.08	1 DC	TIAM2
WDR48. 1	0.000501	-0.19078	0.048	0.14	1 DC	WDR48
CD226	0.000502	0.129442	0.043	0.013	1 DC	CD226
WDR82. 2	0.000502	-0.19154	0.134	0.256	1 DC	WDR82
VPS37D. 1	0.000503	-0.15938	0	0.061	1 DC	VPS37D
PLCB1. 1	0.000503	-0.13486	0.011	0.081	1 DC	PLCB1
KAT2A. 1	0.000506	-0.18627	0.064	0.162	1 DC	KAT2A
ZNF124. 3	0.000507	0.205749	0.118	0.059	1 DC	ZNF124
CCNL2. 1	0.000508	-0.13244	0.16	0.292	1 DC	CCNL2
HP1BP3. 3	0.00051	-0.24824	0.299	0.444	1 DC	HP1BP3
RP3-428L1	0.000511	-0.14809	0.005	0.071	1 DC	RP3-428L16. 2
MDGA1. 1	0.000512	-0.10395	0.005	0.071	1 DC	MDGA1
STK10. 3	0.000513	0.253881	0.134	0.071	1 DC	STK10
TP53BP1	0.000514	-0.17095	0.021	0.098	1 DC	TP53BP1
CRKL. 1	0.000515	-0.13838	0.037	0.123	1 DC	CRKL
CTB-113I2	0.000518	-0.1337	0	0.061	1 DC	CTB-113I20. 2
PAICS. 2	0.00052	-0.22078	0.176	0.31	1 DC	PAICS
SIGLEC14.	0.00052	0.20114	0.096	0.044	1 DC	SIGLEC14
TMED4. 2	0.000522	-0.29456	0.294	0.44	1 DC	TMED4
UBE2H. 2	0.000523	-0.19803	0.134	0.261	1 DC	UBE2H
ARHGEF19	0.000525	0.158188	0.048	0.016	1 DC	ARHGEF19
SNAP47. 1	0.000527	-0.18315	0.091	0.204	1 DC	SNAP47
PCDH1. 1	0.000528	-0.14044	0	0.061	1 DC	PCDH1
HPCA. 1	0.000528	-0.20328	0	0.061	1 DC	HPCA
POLR3H. 1	0.000529	-0.17473	0.102	0.216	1 DC	POLR3H
SBDS. 3	0.000529	-0.31111	0.492	0.612	1 DC	SBDS
TCF25. 2	0.000531	0.11953	0.626	0.55	1 DC	TCF25
MED17	0.000532	-0.20711	0.086	0.191	1 DC	MED17
PRKCA. 2	0.000533	-0.20463	0.091	0.2	1 DC	PRKCA
NIP7. 2	0.000533	-0.24102	0.075	0.174	1 DC	NIP7
MPP2. 2	0.000533	-0.15417	0	0.06	1 DC	MPP2
ZNF37A. 3	0.000535	-0.1707	0.048	0.14	1 DC	ZNF37A
MITF. 2	0.000535	0.180058	0.166	0.093	1 DC	MITF
NT5C3A. 1	0.000538	-0.2517	0.171	0.296	1 DC	NT5C3A
BAMBI. 1	0.000538	-0.16143	0.005	0.07	1 DC	BAMBI
ZNF300. 2	0.00054	-0.17628	0.005	0.07	1 DC	ZNF300
CTC-250I1	0.00054	0.177041	0.064	0.025	1 DC	CTC-250I14. 6
ZNF629. 1	0.000541	-0.15118	0.005	0.07	1 DC	ZNF629
ZNF181. 1	0.000542	-0.16585	0.021	0.098	1 DC	ZNF181
GLRB. 1	0.000544	-0.14116	0	0.06	1 DC	GLRB
SAC3D1. 3	0.000549	-0.16198	0.07	0.171	1 DC	SAC3D1
GAL3ST3. 1	0.000549	-0.13808	0	0.06	1 DC	GAL3ST3
KIAA0319L	0.000552	-0.17718	0.08	0.186	1 DC	KIAA0319L
NPRL3. 1	0.000554	-0.18512	0.086	0.192	1 DC	NPRL3

TTI1	0.000554	-0.13825	0.021	0.098	1 DC	TTI1
BAX.3	0.000554	0.149436	0.642	0.564	1 DC	BAX
PTRH2.2	0.000554	-0.14312	0.048	0.139	1 DC	PTRH2
ABHD14A.2	0.000557	-0.17437	0.107	0.224	1 DC	ABHD14A
RAI14.1	0.000558	-0.17126	0.005	0.07	1 DC	RAI14
SAT2.3	0.00056	-0.25252	0.449	0.588	1 DC	SAT2
TGS1	0.00056	-0.22913	0.064	0.162	1 DC	TGS1
FXYD7.2	0.000562	-0.28473	0.011	0.079	1 DC	FXYD7
ZNF48.1	0.000565	-0.15452	0.021	0.098	1 DC	ZNF48
USP11.2	0.000566	-0.20958	0.209	0.355	1 DC	USP11
BAG5.1	0.000568	-0.20942	0.08	0.187	1 DC	BAG5
LRRCC1.2	0.00057	-0.22215	0.048	0.137	1 DC	LRRCC1
PAPOLA.1	0.00057	0.160493	0.556	0.483	1 DC	PAPOLA
SHROOM2.2	0.000571	-0.14419	0	0.06	1 DC	SHROOM2
GBP4.1	0.000573	0.189258	0.128	0.066	1 DC	GBP4
HSPA2	0.000574	-0.44277	0.043	0.126	1 DC	HSPA2
EGR1.1	0.000575	-0.34086	0.396	0.497	1 DC	EGR1
IRF5.3	0.000575	0.139013	0.118	0.058	1 DC	IRF5
TGOLN2.3	0.000576	0.255307	0.449	0.371	1 DC	TGOLN2
SPSB4.2	0.000577	-0.1276	0	0.06	1 DC	SPSB4
TMEM60.3	0.000577	-0.20836	0.128	0.249	1 DC	TMEM60
ZBTB1.2	0.000578	0.34705	0.241	0.163	1 DC	ZBTB1
TMCC1.2	0.000579	-0.16075	0.032	0.115	1 DC	TMCC1
PAN3.2	0.000579	0.254374	0.198	0.123	1 DC	PAN3
CACFD1.1	0.00058	-0.16407	0.016	0.088	1 DC	CACFD1
RRAS2.1	0.00058	-0.12527	0.011	0.079	1 DC	RRAS2
MRAS.1	0.000581	-0.1749	0.07	0.169	1 DC	MRAS
FAM200B.1	0.000581	-0.24493	0.23	0.368	1 DC	FAM200B
ALDH3A2.1	0.000582	-0.22487	0.118	0.234	1 DC	ALDH3A2
MCHR1.1	0.000582	-0.12265	0	0.06	1 DC	MCHR1
MICALL2.1	0.000584	-0.13171	0.005	0.07	1 DC	MICALL2
CRCP.1	0.000587	-0.21353	0.08	0.183	1 DC	CRCP
COQ5.1	0.000588	-0.2105	0.091	0.198	1 DC	COQ5
BUD31.3	0.00059	-0.27239	0.513	0.63	1 DC	BUD31
MOSPD1.1	0.000591	-0.14954	0.043	0.131	1 DC	MOSPD1
DNAJC30.1	0.000592	-0.13708	0.059	0.155	1 DC	DNAJC30
PLEKHH2	0.000592	-0.1408	0.005	0.07	1 DC	PLEKHH2
CAPN10.1	0.000596	-0.18696	0.016	0.088	1 DC	CAPN10
MACROD1.1	0.000596	-0.13784	0.037	0.124	1 DC	MACROD1
TRPM2.3	0.000597	0.185919	0.107	0.051	1 DC	TRPM2
NRP1.3	0.000598	-0.17537	0.07	0.167	1 DC	NRP1
TUSC2.2	0.0006	-0.1643	0.193	0.337	1 DC	TUSC2
F12.1	0.0006	-0.14664	0.011	0.079	1 DC	F12
SCIN.3	0.000601	-0.46113	0.064	0.152	1 DC	SCIN
PTPRN2.2	0.000602	-0.35484	0.112	0.213	1 DC	PTPRN2
COQ4.1	0.000602	-0.22055	0.144	0.269	1 DC	COQ4
GSDMD.2	0.000603	0.188322	0.273	0.183	1 DC	GSDMD
AAMDC.3	0.000603	-0.34572	0.102	0.208	1 DC	AAMDC
LONP1.1	0.000603	-0.14903	0.096	0.206	1 DC	LONP1
UBE2E2.2	0.000603	0.19086	0.337	0.239	1 DC	UBE2E2
CDK20.1	0.000605	-0.16179	0	0.059	1 DC	CDK20



POMT1.2	0.000607	-0.14649	0.048	0.139	1 DC	POMT1
SLC25A22.	0.000607	-0.14987	0.032	0.114	1 DC	SLC25A22
DEF8.3	0.000608	-0.179	0.144	0.272	1 DC	DEF8
EIF1AY.2	0.000609	-0.16098	0.075	0.179	1 DC	EIF1AY
RNFT2.2	0.00061	-0.12991	0.005	0.07	1 DC	RNFT2
FAM69B.1	0.000611	-0.11359	0	0.059	1 DC	FAM69B
LRRC37B.2	0.000613	-0.16008	0.032	0.114	1 DC	LRRC37B
SNX2.3	0.000613	0.143255	0.497	0.409	1 DC	SNX2
ZC2HC1A.2	0.000613	-0.27808	0.107	0.212	1 DC	ZC2HC1A
PAPOLG.3	0.000615	0.227799	0.16	0.09	1 DC	PAPOLG
ITGAV.3	0.000616	-0.18823	0.155	0.28	1 DC	ITGAV
RAP1GDS1.	0.000616	0.289072	0.251	0.172	1 DC	RAP1GDS1
RDH10.2	0.000616	-0.22243	0.016	0.087	1 DC	RDH10
ALYREF.3	0.000617	-0.15688	0.053	0.147	1 DC	ALYREF
C12orf29.	0.00062	-0.19665	0.059	0.155	1 DC	C12orf29
GIMAP2.2	0.000622	0.146306	0.144	0.076	1 DC	GIMAP2
KRTCAP2.1	0.000622	0.122112	0.642	0.555	1 DC	KRTCAP2
RP11-698N	0.000623	-0.16592	0	0.059	1 DC	RP11-698N11.2
UBR4.3	0.000629	-0.18885	0.053	0.146	1 DC	UBR4
TMEM169.1	0.00063	-0.15241	0	0.059	1 DC	TMEM169
STK33.2	0.000633	-0.13424	0.005	0.069	1 DC	STK33
ARHGEF9.2	0.000633	-0.20829	0.037	0.121	1 DC	ARHGEF9
PDCD2L.1	0.000634	-0.12347	0.027	0.106	1 DC	PDCD2L
ACTL6B.2	0.000634	-0.2585	0.011	0.078	1 DC	ACTL6B
HOXA10.3	0.000634	-0.21954	0.011	0.078	1 DC	HOXA10
KBTBD7.1	0.000635	-0.18205	0.016	0.088	1 DC	KBTBD7
C5orf56.2	0.000639	-0.17035	0.032	0.113	1 DC	C5orf56
KCND3.2	0.000642	-0.1392	0	0.059	1 DC	KCND3
PSMG4.1	0.000642	-0.18038	0.091	0.2	1 DC	PSMG4
VPS72.1	0.000643	-0.19152	0.15	0.278	1 DC	VPS72
SLC35E2B.	0.000643	-0.16857	0.053	0.146	1 DC	SLC35E2B
LSG1.1	0.000643	-0.1799	0.043	0.129	1 DC	LSG1
DPP4.1	0.000643	-0.127	0.011	0.079	1 DC	DPP4
BACE1.2	0.000645	-0.22976	0.037	0.119	1 DC	BACE1
ARL13B.3	0.000645	-0.24474	0.053	0.144	1 DC	ARL13B
TFEC.3	0.000647	0.183277	0.112	0.055	1 DC	TFEC
ALG10B	0.000647	0.136943	0.037	0.011	1 DC	ALG10B
SYT17.1	0.000649	-0.18517	0.064	0.161	1 DC	SYT17
PINK1.2	0.000649	-0.22851	0.102	0.209	1 DC	PINK1
COMT.3	0.000649	0.118407	0.647	0.546	1 DC	COMT
TMEM11	0.000651	-0.19408	0.187	0.321	1 DC	TMEM11
GPR75-ASE	0.000653	-0.17002	0.016	0.087	1 DC	GPR75-ASB3
HIRIP3.1	0.000654	-0.23764	0.07	0.167	1 DC	HIRIP3
ZNF584.1	0.000655	-0.13105	0.016	0.087	1 DC	ZNF584
PCDH10.1	0.000655	-0.14607	0.005	0.069	1 DC	PCDH10
GAS2L1.2	0.000659	-0.14539	0.059	0.153	1 DC	GAS2L1
CAPN1.2	0.00066	0.246968	0.342	0.257	1 DC	CAPN1
CRB1	0.000661	-0.20843	0.005	0.068	1 DC	CRB1
FLRT3.2	0.000661	-0.14712	0	0.059	1 DC	FLRT3
ABI1.3	0.000662	0.285624	0.321	0.239	1 DC	ABI1
RRP1.2	0.000663	-0.17743	0.102	0.212	1 DC	RRP1

UTP23. 2	0.000666	-0.21616	0.059	0.151	1 DC	UTP23
FAM98B. 2	0.000667	-0.14657	0.021	0.096	1 DC	FAM98B
CEP19. 1	0.000668	-0.18652	0.011	0.078	1 DC	CEP19
RIT2. 2	0.000669	-0.28862	0.011	0.077	1 DC	RIT2
TTC37. 2	0.000672	-0.16638	0.08	0.185	1 DC	TTC37
SHFM1. 2	0.000674	-0.30411	0.668	0.724	1 DC	SHFM1
YKT6. 1	0.000681	-0.16963	0.123	0.24	1 DC	YKT6
PRRG4. 2	0.000681	0.144913	0.096	0.044	1 DC	PRRG4
PCMTD2. 2	0.000685	-0.16871	0.112	0.229	1 DC	PCMTD2
LUC7L3. 1	0.000686	-0.26445	0.385	0.512	1 DC	LUC7L3
CSGALNACT	0.000686	0.184751	0.139	0.074	1 DC	CSGALNACT1
CARF. 2	0.000687	-0.18357	0.011	0.077	1 DC	CARF
SHC4	0.000687	-0.14131	0	0.058	1 DC	SHC4
GAR1. 3	0.000689	-0.17896	0.086	0.192	1 DC	GAR1
AGRN. 1	0.000689	-0.15502	0.021	0.095	1 DC	AGRN
SGSM2. 1	0.000692	-0.15423	0.027	0.104	1 DC	SGSM2
EYA4. 1	0.000694	-0.10327	0	0.058	1 DC	EYA4
LRRC27. 1	0.000696	-0.16671	0.016	0.086	1 DC	LRRC27
B4GALT2	0.000699	-0.1335	0.011	0.078	1 DC	B4GALT2
CTU1. 1	0.0007	-0.12753	0.011	0.078	1 DC	CTU1
C10orf35	0.000701	-0.21323	0	0.058	1 DC	C10orf35
DOK1. 3	0.000706	0.191103	0.235	0.153	1 DC	DOK1
COPA. 3	0.000707	-0.21034	0.182	0.315	1 DC	COPA
HNRNPL. 2	0.000708	-0.24527	0.144	0.266	1 DC	HNRNPL
FARSB. 1	0.00071	-0.14771	0.118	0.234	1 DC	FARSB
BCAS4. 1	0.000712	-0.13469	0.016	0.087	1 DC	BCAS4
JMJD6. 2	0.000714	0.21069	0.369	0.281	1 DC	JMJD6
AMH. 1	0.000715	-0.13429	0	0.058	1 DC	AMH
SIX1. 1	0.000715	-0.15433	0	0.058	1 DC	SIX1
CDKN3. 2	0.000715	-0.28476	0.021	0.093	1 DC	CDKN3
NDUFS1. 1	0.000716	-0.1859	0.134	0.257	1 DC	NDUFS1
FAM53C. 2	0.000717	0.171868	0.332	0.24	1 DC	FAM53C
CEP57L1. 2	0.000717	-0.18701	0.032	0.112	1 DC	CEP57L1
PHF23. 1	0.000718	-0.14469	0.096	0.209	1 DC	PHF23
SLX1A	0.00072	0.124979	0.043	0.014	1 DC	SLX1A
CTA-445C9	0.000722	-0.14852	0	0.058	1 DC	CTA-445C9. 14
DLX6. 3	0.000722	-0.22258	0	0.058	1 DC	DLX6
PTPRK	0.000722	-0.22614	0	0.058	1 DC	PTPRK
PAPSS2. 1	0.000722	0.142151	0.059	0.022	1 DC	PAPSS2
LDLRAD3. 2	0.000723	-0.13327	0.075	0.177	1 DC	LDLRAD3
GDPD1. 1	0.000724	-0.14835	0.005	0.068	1 DC	GDPD1
PSMA5. 1	0.000726	0.184206	0.513	0.441	1 DC	PSMA5
RP11-83A2	0.000727	-0.16171	0.048	0.137	1 DC	RP11-83A24. 2
PKD1. 1	0.000728	-0.18685	0.037	0.119	1 DC	PKD1
ASNSD1. 2	0.000729	-0.24283	0.15	0.273	1 DC	ASNSD1
NIPSNAP1.	0.000731	-0.16308	0.07	0.169	1 DC	NIPSNAP1
ZNF16. 1	0.000731	-0.1736	0.005	0.068	1 DC	ZNF16
NCBP2. 1	0.000732	-0.2132	0.305	0.443	1 DC	NCBP2
PPP2R2A	0.000733	-0.231	0.171	0.302	1 DC	PPP2R2A
CBX2. 1	0.000733	-0.14546	0.005	0.068	1 DC	CBX2
UBE2C. 3	0.000735	-0.33426	0.037	0.118	1 DC	UBE2C

ABCA3. 1	0.000735	-0.14683	0.011	0.077	1 DC	ABCA3
GPHN	0.000738	-0.16526	0.005	0.068	1 DC	GPHN
RP11-1094	0.000739	-0.16018	0.118	0.236	1 DC	RP11-1094M14. 11
ZNF768. 1	0.000745	-0.11533	0.021	0.096	1 DC	ZNF768
DLG5	0.000745	-0.14824	0.011	0.077	1 DC	DLG5
YPEL1. 3	0.000745	-0.1433	0.021	0.095	1 DC	YPEL1
RUNX2	0.000745	0.100348	0.07	0.028	1 DC	RUNX2
ZFYVE21. 2	0.000748	-0.22467	0.144	0.268	1 DC	ZFYVE21
KLF12. 2	0.000748	-0.16152	0.016	0.086	1 DC	KLF12
FLCN. 1	0.00075	-0.16278	0.048	0.137	1 DC	FLCN
LAYN. 2	0.00075	-0.12494	0	0.057	1 DC	LAYN
PDAP1. 1	0.000757	-0.2453	0.401	0.538	1 DC	PDAP1
FAT3. 1	0.000758	-0.12743	0	0.057	1 DC	FAT3
ANKRD52	0.00076	-0.11359	0.011	0.077	1 DC	ANKRD52
PIGX. 2	0.000762	-0.18868	0.134	0.255	1 DC	PIGX
NCOA6. 3	0.000763	-0.13791	0.048	0.137	1 DC	NCOA6
RCC2. 2	0.000763	0.311304	0.251	0.173	1 DC	RCC2
SLC25A39. 0	0.000766	0.227998	0.465	0.404	1 DC	SLC25A39
MPHOSPH10	0.000768	-0.16989	0.123	0.24	1 DC	MPHOSPH10
CEP97. 1	0.000768	-0.15959	0.011	0.077	1 DC	CEP97
KCNH2. 1	0.00077	-0.1884	0.005	0.067	1 DC	KCNH2
GLA. 3	0.000771	0.237244	0.305	0.214	1 DC	GLA
ZBTB16	0.000777	0.13626	0.246	0.154	1 DC	ZBTB16
ZNF493. 1	0.000778	-0.17614	0.064	0.159	1 DC	ZNF493
NTRK3	0.00078	-0.17636	0.005	0.067	1 DC	NTRK3
DHFR. 1	0.000781	-0.13045	0.059	0.152	1 DC	DHFR
STARD5	0.000782	0.112531	0.048	0.016	1 DC	STARD5
CDC42SE1. 0	0.000782	0.250679	0.385	0.303	1 DC	CDC42SE1
SP3. 3	0.000784	-0.16763	0.102	0.212	1 DC	SP3
ASUN. 1	0.000786	-0.14706	0.032	0.112	1 DC	ASUN
FAT1. 1	0.000787	-0.11279	0.005	0.067	1 DC	FAT1
WASF3. 1	0.000787	-0.14741	0.011	0.077	1 DC	WASF3
AMOTL1. 1	0.000787	-0.10554	0.005	0.067	1 DC	AMOTL1
SAPCD2. 2	0.000788	-0.15841	0	0.057	1 DC	SAPCD2
NEDD1	0.000789	-0.13903	0.016	0.086	1 DC	NEDD1
LMBR1. 1	0.000791	-0.15223	0.032	0.111	1 DC	LMBR1
SEC61A1. 1	0.000791	-0.25344	0.225	0.368	1 DC	SEC61A1
DPY19L4. 1	0.000795	-0.1189	0.021	0.095	1 DC	DPY19L4
HSD17B1. 1	0.000796	-0.11471	0	0.057	1 DC	HSD17B1
GLYCTK	0.000796	0.110068	0.07	0.028	1 DC	GLYCTK
IL1R1. 1	0.000797	0.121968	0.048	0.016	1 DC	IL1R1
RGPD5	0.000797	0.113997	0.053	0.019	1 DC	RGPD5
NME4. 1	0.000797	-0.1875	0.241	0.384	1 DC	NME4
DNP1. 1	0.000797	-0.24447	0.246	0.379	1 DC	DNP1
RBMX. 2	0.000799	0.125939	0.663	0.565	1 DC	RBMX
TRMT61B. 1	0.000802	-0.22355	0.07	0.164	1 DC	TRMT61B
PM20D2. 1	0.000803	-0.12703	0.016	0.086	1 DC	PM20D2
HOXA3. 2	0.000804	-0.18751	0	0.057	1 DC	HOXA3
ILF3-AS1. 0	0.000805	-0.18506	0.176	0.312	1 DC	ILF3-AS1
TMEM41B. 1	0.000806	-0.12568	0.075	0.177	1 DC	TMEM41B
TMC6. 3	0.000809	0.138565	0.193	0.11	1 DC	TMC6

ACLY. 3	0.000812	-0.18786	0.107	0.218	1 DC	ACLY
FER. 1	0.000813	-0.13692	0.021	0.095	1 DC	FER
RMND1. 1	0.000814	-0.19273	0.027	0.102	1 DC	RMND1
DDX27. 2	0.000819	0.244027	0.358	0.281	1 DC	DDX27
ABCD4. 2	0.00082	-0.21291	0.139	0.258	1 DC	ABCD4
MAGOH. 2	0.000822	0.190121	0.492	0.413	1 DC	MAGOH
C9orf9. 2	0.000824	-0.17334	0.032	0.111	1 DC	C9orf9
REPIN1. 3	0.000826	-0.14579	0.15	0.276	1 DC	REPIN1
MOK. 1	0.000826	-0.15532	0.005	0.067	1 DC	MOK
TTYH3. 3	0.000829	-0.18242	0.128	0.249	1 DC	TTYH3
TMEM128. 2	0.000829	-0.2104	0.166	0.293	1 DC	TMEM128
MAFG-AS1. 1	0.00083	-0.11374	0.005	0.066	1 DC	MAFG-AS1
VAMP7. 2	0.000831	0.260261	0.241	0.165	1 DC	VAMP7
PPP1R35. 3	0.000831	-0.16219	0.064	0.159	1 DC	PPP1R35
ZNF844. 1	0.000834	-0.17615	0.011	0.076	1 DC	ZNF844
GPX4. 2	0.000835	-0.19006	0.861	0.842	1 DC	GPX4
MAF. 2	0.000835	-0.3543	0.053	0.136	1 DC	MAF
ARHGEF25. 1	0.000837	-0.17633	0.005	0.066	1 DC	ARHGEF25
ZNF532. 1	0.000837	-0.1435	0.021	0.094	1 DC	ZNF532
MF12-AS1. 1	0.00084	-0.14026	0.011	0.076	1 DC	MF12-AS1
C19orf52. 1	0.000841	-0.14658	0.075	0.175	1 DC	C19orf52
RABGAP1L. 1	0.000841	0.268176	0.182	0.109	1 DC	RABGAP1L
OSCP1. 2	0.000842	-0.13717	0.005	0.067	1 DC	OSCP1
TNFAIP1. 1	0.000849	-0.13194	0.075	0.177	1 DC	TNFAIP1
COPG2. 1	0.000853	-0.17471	0.037	0.119	1 DC	COPG2
SMYD5. 1	0.000856	-0.1308	0.005	0.067	1 DC	SMYD5
ZKSCAN5. 1	0.000858	-0.13217	0.005	0.067	1 DC	ZKSCAN5
STT3B. 2	0.000858	0.287086	0.278	0.203	1 DC	STT3B
PAIP1. 3	0.000858	-0.1929	0.251	0.398	1 DC	PAIP1
AKAP11. 2	0.00086	-0.1506	0.059	0.151	1 DC	AKAP11
STOML1. 1	0.00086	-0.18607	0.027	0.102	1 DC	STOML1
SSB. 2	0.000864	-0.27084	0.46	0.594	1 DC	SSB
HSPA1B. 2	0.000865	-0.36826	0.299	0.412	1 DC	HSPA1B
MAN2A1. 3	0.000866	0.190603	0.182	0.109	1 DC	MAN2A1
METTL16. 1	0.000868	-0.16945	0.032	0.11	1 DC	METTL16
ITM2A. 2	0.000869	-0.2726	0	0.056	1 DC	ITM2A
RP11-263K. 1	0.000871	-0.13296	0.005	0.066	1 DC	RP11-263K19. 4
STK32A. 2	0.000877	-0.11686	0	0.056	1 DC	STK32A
EBF4. 1	0.000877	-0.11841	0	0.056	1 DC	EBF4
EPC1. 3	0.00088	0.305639	0.364	0.29	1 DC	EPC1
ZNF253. 1	0.00088	-0.16922	0.016	0.084	1 DC	ZNF253
DUT. 3	0.000883	0.211995	0.529	0.454	1 DC	DUT
ECI2. 1	0.000885	-0.30535	0.198	0.325	1 DC	ECI2
MAN1C1. 1	0.000889	-0.13575	0.016	0.085	1 DC	MAN1C1
HMOX1. 3	0.00089	0.100929	0.422	0.292	1 DC	HMOX1
TMEM222. 3	0.00089	-0.15631	0.155	0.282	1 DC	TMEM222
RSRC1. 1	0.000891	-0.20189	0.176	0.307	1 DC	RSRC1
ZNF599. 1	0.000892	-0.16638	0.011	0.075	1 DC	ZNF599
SLC48A1. 2	0.000892	-0.24199	0.048	0.134	1 DC	SLC48A1
MNS1. 1	0.000897	-0.14438	0.011	0.076	1 DC	MNS1
PFN1. 3	0.000897	0.128954	0.93	0.807	1 DC	PFN1

RABGAP1.2	0.000897	-0.19159	0.043	0.126	1 DC	RABGAP1
STOM.2	0.000908	0.15233	0.353	0.25	1 DC	STOM
MAPK11	0.000912	-0.10475	0	0.056	1 DC	MAPK11
IL13RA2.2	0.000912	-0.26019	0	0.056	1 DC	IL13RA2
ANKH.3	0.000918	0.216244	0.23	0.147	1 DC	ANKH
DYNLRB1.2	0.00092	-0.22407	0.594	0.666	1 DC	DYNLRB1
USP36.3	0.000921	0.223693	0.214	0.137	1 DC	USP36
UQCC1.1	0.000923	-0.14494	0.07	0.167	1 DC	UQCC1
MSX1.1	0.000925	-0.13833	0.005	0.066	1 DC	MSX1
WNK1.3	0.000926	0.212988	0.358	0.277	1 DC	WNK1
KCTD3	0.000932	-0.10733	0.053	0.144	1 DC	KCTD3
CCDC88B	0.000934	0.235232	0.144	0.08	1 DC	CCDC88B
ZNF205	0.000935	-0.15294	0.032	0.11	1 DC	ZNF205
ZNF12.1	0.000935	-0.16152	0.043	0.125	1 DC	ZNF12
RP11-563K	0.000938	-0.16295	0.005	0.065	1 DC	RP11-563K23.1
PRPF6.1	0.000939	-0.2231	0.219	0.355	1 DC	PRPF6
PEX5.1	0.000939	-0.19858	0.021	0.092	1 DC	PEX5
HES1.2	0.000939	-0.25829	0.096	0.198	1 DC	HES1
FOXO1	0.000941	-0.18317	0.011	0.075	1 DC	FOXO1
TCF7.1	0.000942	-0.20206	0.053	0.141	1 DC	TCF7
XAB2.1	0.000947	-0.20899	0.08	0.178	1 DC	XAB2
DLG4	0.000949	-0.16878	0.011	0.074	1 DC	DLG4
QTRT1.3	0.000951	-0.30105	0.203	0.333	1 DC	QTRT1
GON4L.1	0.000953	-0.14791	0.107	0.216	1 DC	GON4L
ELK3.1	0.000956	0.276534	0.15	0.087	1 DC	ELK3
ACYP2.2	0.000956	-0.23235	0.187	0.314	1 DC	ACYP2
VAPB.2	0.000957	-0.20458	0.096	0.199	1 DC	VAPB
GAPVD1	0.000958	-0.18205	0.08	0.177	1 DC	GAPVD1
R3HCC1.1	0.000959	-0.1765	0.16	0.288	1 DC	R3HCC1
RAB11B-AS	0.000959	-0.16985	0.048	0.133	1 DC	RAB11B-AS1
ARFGAP1.1	0.000961	-0.17118	0.059	0.149	1 DC	ARFGAP1
DBX2.2	0.000963	-0.12335	0.005	0.065	1 DC	DBX2
CTDP1.1	0.000964	0.220884	0.128	0.07	1 DC	CTDP1
FAM212B.2	0.000965	-0.15889	0.027	0.1	1 DC	FAM212B
NKX2-5.1	0.000965	-0.19111	0.005	0.065	1 DC	NKX2-5
ISOC2.3	0.000965	-0.18511	0.209	0.351	1 DC	ISOC2
NIM1K.2	0.000966	-0.17685	0.005	0.065	1 DC	NIM1K
LYRM1.2	0.000971	-0.21347	0.086	0.185	1 DC	LYRM1
SAMD14	0.000972	-0.15536	0.005	0.065	1 DC	SAMD14
RP11-25K1	0.000975	-0.1345	0.027	0.102	1 DC	RP11-25K19.1
MCM7.2	0.000976	-0.26302	0.144	0.256	1 DC	MCM7
CHST3.1	0.000977	-0.11952	0.005	0.065	1 DC	CHST3
ATG9A.1	0.00098	-0.16457	0.037	0.118	1 DC	ATG9A
ALDH1L1.2	0.00098	-0.27985	0.005	0.064	1 DC	ALDH1L1
ILK.1	0.000981	0.200098	0.444	0.364	1 DC	ILK
E4F1	0.000985	-0.1882	0.037	0.116	1 DC	E4F1
FAM173B.1	0.000986	-0.15193	0.005	0.065	1 DC	FAM173B
DGCR6	0.000987	-0.17739	0.064	0.155	1 DC	DGCR6
FAM126B.1	0.000989	-0.17757	0.053	0.141	1 DC	FAM126B
TMED3.2	0.000991	0.236125	0.38	0.307	1 DC	TMED3
SLC23A2.1	0.000991	-0.177	0.032	0.108	1 DC	SLC23A2

TSMF. 1	0.000992	-0.2484	0.16	0.278	1 DC	TSMF
ZNF512B. 2	0.000993	-0.10791	0.011	0.075	1 DC	ZNF512B
CAHM. 2	0.000994	-0.16168	0.021	0.092	1 DC	CAHM
RASL11B. 2	0.000996	-0.23765	0	0.055	1 DC	RASL11B
PPM1F. 2	0.000999	0.211522	0.123	0.066	1 DC	PPM1F
AP3M2. 1	0.001001	-0.11639	0.021	0.093	1 DC	AP3M2
MALT1. 3	0.001001	0.193397	0.134	0.073	1 DC	MALT1
KCNJ16. 2	0.001005	-0.12861	0	0.055	1 DC	KCNJ16
POFUT1. 1	0.001007	-0.15671	0.037	0.118	1 DC	POFUT1
SPPL3. 2	0.001008	-0.20297	0.096	0.199	1 DC	SPPL3
SEL1L3. 1	0.001011	0.232277	0.128	0.07	1 DC	SEL1L3
HMG3. 2	0.001012	0.116191	0.69	0.608	1 DC	HMG3
SLC16A2	0.001015	-0.11242	0	0.055	1 DC	SLC16A2
SCAF11. 3	0.001016	0.201129	0.46	0.395	1 DC	SCAF11
EFNB3. 1	0.001018	-0.11547	0.011	0.075	1 DC	EFNB3
TCEB2. 3	0.001019	-0.14307	0.856	0.823	1 DC	TCEB2
ZC3HC1. 1	0.00102	-0.16129	0.043	0.126	1 DC	ZC3HC1
GLG1. 3	0.00102	-0.1843	0.15	0.268	1 DC	GLG1
TTYH2. 3	0.001023	-0.22512	0.037	0.117	1 DC	TTYH2
MAEA. 2	0.001026	-0.22308	0.123	0.237	1 DC	MAEA
ORC5. 2	0.001026	-0.18707	0.027	0.1	1 DC	ORC5
MIB2. 2	0.001029	-0.13193	0.059	0.151	1 DC	MIB2
HOXC10. 1	0.001035	-0.18086	0	0.055	1 DC	HOXC10
SNRPN. 3	0.001037	-0.41547	0.027	0.1	1 DC	SNRPN
VKORC1L1	0.001038	-0.11515	0.048	0.133	1 DC	VKORC1L1
NFE2L1. 2	0.001038	-0.12748	0.086	0.189	1 DC	NFE2L1
ZNF226. 3	0.00104	-0.27939	0.102	0.205	1 DC	ZNF226
SORBS3. 2	0.001045	-0.11926	0.075	0.174	1 DC	SORBS3
FAIM. 1	0.001045	-0.20331	0.059	0.148	1 DC	FAIM
NCOA5. 1	0.001047	-0.15233	0.016	0.083	1 DC	NCOA5
BRINP2. 2	0.001052	-0.15491	0.011	0.073	1 DC	BRINP2
PPP5C. 2	0.001053	-0.18482	0.08	0.178	1 DC	PPP5C
RUNX1. 3	0.001054	0.281729	0.267	0.189	1 DC	RUNX1
LRPAP1. 1	0.001054	0.105205	0.626	0.546	1 DC	LRPAP1
CLDN15. 1	0.001056	-0.17842	0.005	0.064	1 DC	CLDN15
GPSM1. 2	0.001057	-0.1556	0.011	0.074	1 DC	GPSM1
DMAP1. 1	0.00106	-0.18378	0.134	0.253	1 DC	DMAP1
THOP1. 2	0.001063	-0.14177	0.096	0.203	1 DC	THOP1
NUDT16. 3	0.001064	0.245333	0.299	0.218	1 DC	NUDT16
ACD. 1	0.001069	-0.20019	0.075	0.169	1 DC	ACD
CSTF3. 1	0.001077	-0.13872	0.15	0.269	1 DC	CSTF3
NADK2	0.001079	-0.12895	0.027	0.101	1 DC	NADK2
CRIM1. 2	0.00108	-0.13396	0.005	0.064	1 DC	CRIM1
DSC2. 2	0.001085	0.11074	0.075	0.032	1 DC	DSC2
CCDC144A	0.001087	-0.1481	0.016	0.083	1 DC	CCDC144A
MAOB. 1	0.001087	-0.26974	0.027	0.1	1 DC	MAOB
GOLIM4. 2	0.001087	-0.21276	0.203	0.329	1 DC	GOLIM4
PPIE. 1	0.001088	0.253225	0.358	0.282	1 DC	PPIE
C22orf29.	0.001089	-0.14509	0.005	0.064	1 DC	C22orf29
TFEB. 3	0.001092	0.167226	0.139	0.077	1 DC	TFEB
FAM174A. 1	0.001092	-0.16885	0.112	0.224	1 DC	FAM174A

KBTBD4.1	0.001092	-0.19899	0.021	0.091	1 DC	KBTBD4
IER5L.1	0.001095	-0.17467	0.027	0.099	1 DC	IER5L
CCND2.3	0.001099	-0.2965	0.209	0.329	1 DC	CCND2
GTF3C1	0.0011	-0.16859	0.032	0.108	1 DC	GTF3C1
TMEM203.2	0.001107	-0.10552	0.134	0.254	1 DC	TMEM203
MOXD1.1	0.001108	-0.13852	0	0.054	1 DC	MOXD1
RAB39B.2	0.001109	-0.15458	0.021	0.091	1 DC	RAB39B
CTNNB1.3	0.001111	0.205491	0.439	0.354	1 DC	CTNNB1
NFKBIE.3	0.001113	0.260411	0.203	0.133	1 DC	NFKBIE
NOP16.2	0.001114	-0.18922	0.096	0.2	1 DC	NOP16
ANKRD54.1	0.001116	-0.14906	0.053	0.141	1 DC	ANKRD54
FGFBP3.2	0.001116	-0.1031	0.027	0.101	1 DC	FGFBP3
SLC37A2	0.001119	0.140435	0.053	0.02	1 DC	SLC37A2
SERPINI1	0.001119	-0.19521	0	0.054	1 DC	SERPINI1
PREX1.3	0.00112	0.228919	0.299	0.217	1 DC	PREX1
C16orf58	0.001123	-0.17597	0.037	0.116	1 DC	C16orf58
FBX08.1	0.001127	-0.19695	0.059	0.146	1 DC	FBX08
LGALSL.1	0.001133	-0.15277	0.005	0.063	1 DC	LGALSL
GPX8.2	0.001134	-0.13981	0.005	0.064	1 DC	GPX8
DLL1.1	0.001135	-0.24509	0.011	0.072	1 DC	DLL1
BRF2.1	0.001137	-0.1766	0.021	0.091	1 DC	BRF2
ZNF606.1	0.001138	-0.15467	0.016	0.082	1 DC	ZNF606
KLHDC10.1	0.001139	-0.16176	0.048	0.131	1 DC	KLHDC10
THAP6.1	0.00114	-0.15646	0.016	0.082	1 DC	THAP6
IGDCC3.3	0.001142	-0.13253	0.005	0.063	1 DC	IGDCC3
CUX1.3	0.001145	-0.19839	0.128	0.243	1 DC	CUX1
PAQR6.1	0.001146	-0.19249	0.011	0.073	1 DC	PAQR6
AGAP2-AS1	0.001147	-0.29951	0.027	0.096	1 DC	AGAP2-AS1
HS6ST2	0.001148	-0.1078	0.005	0.063	1 DC	HS6ST2
UTP20.1	0.00115	-0.14192	0.005	0.064	1 DC	UTP20
HRK.1	0.001151	-0.17974	0.005	0.064	1 DC	HRK
SPOCK1.2	0.001151	-0.21767	0.016	0.082	1 DC	SPOCK1
AAED1.3	0.001151	0.240905	0.257	0.18	1 DC	AAED1
ANLN.2	0.001152	-0.26024	0.005	0.063	1 DC	ANLN
SDSL.2	0.001154	0.277705	0.262	0.186	1 DC	SDSL
ETAA1	0.001163	-0.13209	0	0.053	1 DC	ETAA1
ISCA1.1	0.001165	-0.15977	0.166	0.299	1 DC	ISCA1
ENDOG.2	0.001165	-0.10714	0.059	0.149	1 DC	ENDOG
SH3BP2.2	0.00117	0.166265	0.214	0.137	1 DC	SH3BP2
RIMKLA	0.001175	-0.10819	0	0.053	1 DC	RIMKLA
TMEM18	0.001177	-0.28307	0.107	0.209	1 DC	TMEM18
ALG14.1	0.00118	-0.22597	0.064	0.153	1 DC	ALG14
PEX11G.1	0.00118	-0.13565	0.011	0.073	1 DC	PEX11G
C11orf68	0.001181	-0.13832	0.032	0.108	1 DC	C11orf68
NUF2.3	0.001182	-0.21077	0.005	0.063	1 DC	NUF2
SPIRE1	0.001191	-0.13911	0.027	0.099	1 DC	SPIRE1
ASF1A.2	0.0012	-0.15423	0.123	0.236	1 DC	ASF1A
UBE2T.3	0.001201	-0.25111	0.048	0.128	1 DC	UBE2T
ABCA2.3	0.001202	-0.32289	0.027	0.097	1 DC	ABCA2
SGTA.1	0.001205	-0.20317	0.187	0.318	1 DC	SGTA
CWC27.1	0.001206	-0.18215	0.144	0.266	1 DC	CWC27

ZNF649.2	0.001208	-0.12383	0.021	0.091	1 DC	ZNF649
GYPC.3	0.001208	-0.32124	0.203	0.311	1 DC	GYPC
ARHGAP23.	0.00121	-0.14734	0	0.053	1 DC	ARHGAP23
PSMD5-AS1	0.001211	-0.21822	0.086	0.183	1 DC	PSMD5-AS1
CCPG1.2	0.001213	0.331933	0.283	0.212	1 DC	CCPG1
TBCK.1	0.001215	-0.15086	0.016	0.082	1 DC	TBCK
MEX3D.2	0.001216	-0.1321	0.005	0.063	1 DC	MEX3D
NMT2.2	0.001218	-0.11281	0.027	0.099	1 DC	NMT2
TRIM16.1	0.001224	-0.16552	0.048	0.131	1 DC	TRIM16
COQ9.2	0.001229	-0.20892	0.128	0.244	1 DC	COQ9
TEAD4.1	0.001233	-0.10174	0	0.053	1 DC	TEAD4
BEST3.2	0.001235	-0.28403	0.021	0.088	1 DC	BEST3
MYSM1.1	0.001237	-0.16782	0.016	0.081	1 DC	MYSM1
TNFRSF10E	0.001237	0.171043	0.171	0.101	1 DC	TNFRSF10B
SCARF1.2	0.001237	0.106751	0.064	0.026	1 DC	SCARF1
ITGA2.1	0.001251	-0.11233	0.005	0.063	1 DC	ITGA2
RAB6A.2	0.001251	-0.16354	0.251	0.396	1 DC	RAB6A
PIGZ.1	0.001253	-0.11	0.005	0.063	1 DC	PIGZ
DDX60L.1	0.001254	0.195218	0.107	0.054	1 DC	DDX60L
PRKAA2.2	0.001258	-0.12186	0	0.053	1 DC	PRKAA2
KAZN.1	0.001258	-0.14913	0.011	0.072	1 DC	KAZN
DCP2.3	0.001258	0.323019	0.219	0.149	1 DC	DCP2
TXLNA.1	0.001261	-0.13114	0.053	0.141	1 DC	TXLNA
RIC8A	0.001262	-0.20308	0.166	0.288	1 DC	RIC8A
CD99L2.2	0.001264	-0.16912	0.048	0.131	1 DC	CD99L2
WDR92.1	0.001265	-0.18573	0.016	0.08	1 DC	WDR92
UBE2V2.2	0.001265	-0.24788	0.358	0.497	1 DC	UBE2V2
ZNF277.1	0.001266	0.216831	0.251	0.171	1 DC	ZNF277
ASIC1.1	0.00127	-0.15957	0	0.053	1 DC	ASIC1
ACOT13.1	0.001271	-0.22142	0.112	0.219	1 DC	ACOT13
LRTOMT.1	0.001276	-0.15946	0.011	0.072	1 DC	LRTOMT
KLHL35.2	0.001277	-0.31204	0.027	0.095	1 DC	KLHL35
LPCAT1.1	0.001279	-0.17856	0.086	0.183	1 DC	LPCAT1
SEMA3E	0.001282	-0.12435	0	0.053	1 DC	SEMA3E
LRRTM3.1	0.001295	-0.10433	0	0.053	1 DC	LRRTM3
ERBB2IP.2	0.001296	-0.18518	0.118	0.223	1 DC	ERBB2IP
GRWD1	0.001297	-0.149	0.064	0.156	1 DC	GRWD1
DUSP6	0.001298	-0.23848	0.134	0.246	1 DC	DUSP6
POLR1C.3	0.001302	-0.18646	0.043	0.123	1 DC	POLR1C
HIP1.1	0.001305	-0.17816	0.075	0.169	1 DC	HIP1
TRIM23	0.001306	-0.1508	0.016	0.081	1 DC	TRIM23
NOP10.3	0.001307	0.126707	0.695	0.605	1 DC	NOP10
SPC25.3	0.001308	-0.19767	0.005	0.062	1 DC	SPC25
MTFR1L.2	0.00131	-0.22138	0.171	0.292	1 DC	MTFR1L
UNC50.2	0.00131	-0.25104	0.225	0.357	1 DC	UNC50
ITGB3BP.1	0.001315	-0.21375	0.059	0.144	1 DC	ITGB3BP
STK32B.1	0.001316	-0.12214	0.005	0.063	1 DC	STK32B
NHLRC3.1	0.001317	-0.21232	0.155	0.272	1 DC	NHLRC3
UROD.2	0.001319	-0.27232	0.23	0.361	1 DC	UROD
SKA2.1	0.00132	-0.23006	0.187	0.309	1 DC	SKA2
SMO.1	0.00132	-0.10737	0	0.052	1 DC	SMO



NAA16.1	0.001322	-0.16853	0.043	0.122	1 DC	NAA16
TSEN2.2	0.001323	-0.15716	0.021	0.089	1 DC	TSEN2
TRAPPC4.2	0.001327	-0.28754	0.316	0.447	1 DC	TRAPPC4
TBC1D24.1	0.001331	-0.1215	0.011	0.072	1 DC	TBC1D24
PRRT1	0.001333	-0.13724	0	0.052	1 DC	PRRT1
C1orf43	0.001333	0.127882	0.679	0.595	1 DC	C1orf43
CTD-3184A	0.001335	-0.13001	0.027	0.098	1 DC	CTD-3184A7.4
C6orf120.	0.001336	-0.13552	0.053	0.139	1 DC	C6orf120
CDCA7L.2	0.001344	-0.22296	0.064	0.15	1 DC	CDCA7L
FGF14-AS2	0.001359	-0.13352	0	0.052	1 DC	FGF14-AS2
MRC2.1	0.001359	-0.17396	0.08	0.175	1 DC	MRC2
KCNMA1.2	0.001362	-0.22782	0.059	0.144	1 DC	KCNMA1
FAM126A.1	0.001363	-0.11368	0.053	0.138	1 DC	FAM126A
UBE2R2.3	0.001364	0.219151	0.358	0.285	1 DC	UBE2R2
RNF8.2	0.001365	-0.1682	0.075	0.169	1 DC	RNF8
JAK1.3	0.001367	0.264716	0.321	0.252	1 DC	JAK1
BSG.3	0.001368	-0.21029	0.733	0.742	1 DC	BSG
NFYB.1	0.00137	-0.15294	0.086	0.185	1 DC	NFYB
XPA.1	0.001371	-0.20084	0.118	0.223	1 DC	XPA
PGBD1.1	0.001372	-0.12136	0.011	0.072	1 DC	PGBD1
NR3C1.3	0.001376	0.266273	0.321	0.247	1 DC	NR3C1
TUSC1.2	0.001379	-0.18662	0.016	0.079	1 DC	TUSC1
ZNF703.3	0.00138	-0.14408	0.027	0.099	1 DC	ZNF703
PAQR4.3	0.00138	-0.20225	0.075	0.165	1 DC	PAQR4
ROMO1.2	0.001381	-0.24454	0.487	0.597	1 DC	ROMO1
ADH5.1	0.001382	-0.24521	0.257	0.391	1 DC	ADH5
CENPB.1	0.001383	-0.15145	0.032	0.106	1 DC	CENPB
SOAT1.3	0.001384	0.149766	0.283	0.196	1 DC	SOAT1
RP1-79C4.	0.001386	-0.10739	0	0.052	1 DC	RP1-79C4.4
MCAT.2	0.00139	-0.12624	0.048	0.13	1 DC	MCAT
ERGIC1.1	0.001393	0.226214	0.358	0.288	1 DC	ERGIC1
TRAF1	0.001397	0.159326	0.059	0.023	1 DC	TRAF1
EFNA2.1	0.001399	-0.12136	0	0.052	1 DC	EFNA2
CSNK2A1.1	0.001403	-0.18675	0.193	0.318	1 DC	CSNK2A1
DDX23.1	0.001404	-0.18058	0.07	0.16	1 DC	DDX23
AMPD2.2	0.001405	0.218174	0.225	0.151	1 DC	AMPD2
C1orf216.	0.001408	-0.15691	0.048	0.129	1 DC	C1orf216
FAM73A	0.001408	-0.14334	0.021	0.089	1 DC	FAM73A
MED12L.1	0.001409	-0.10872	0.005	0.062	1 DC	MED12L
CPNE5.1	0.001413	-0.11071	0	0.052	1 DC	CPNE5
THBS4.1	0.001413	-0.12216	0	0.052	1 DC	THBS4
CA14.2	0.001413	-0.19655	0	0.052	1 DC	CA14
FAM134A.3	0.001414	-0.21368	0.176	0.3	1 DC	FAM134A
WHSC1L1.3	0.001415	-0.22435	0.246	0.375	1 DC	WHSC1L1
PCNA.1	0.001418	-0.23644	0.193	0.317	1 DC	PCNA
C1orf35.2	0.001419	-0.15875	0.15	0.265	1 DC	C1orf35
PDE9A.1	0.001421	-0.11584	0.011	0.072	1 DC	PDE9A
SLC46A1.2	0.001422	-0.14768	0.005	0.062	1 DC	SLC46A1
POLDIP2.3	0.001422	-0.1747	0.219	0.349	1 DC	POLDIP2
CACNB3.1	0.001424	-0.14033	0.005	0.061	1 DC	CACNB3
HOOK2.1	0.001425	-0.17198	0.123	0.236	1 DC	HOOK2

PRKD1	0.001427	-0.11082	0	0.052	1 DC	PRKD1
C19orf53.	0.001428	-0.23172	0.615	0.684	1 DC	C19orf53
YTHDF2.1	0.001431	-0.22787	0.299	0.433	1 DC	YTHDF2
EXOC6.2	0.001436	0.194707	0.118	0.063	1 DC	EXOC6
CCT8.1	0.001438	0.129185	0.61	0.534	1 DC	CCT8
GABBR1.2	0.001442	-0.1502	0.016	0.08	1 DC	GABBR1
UBA7.3	0.001444	0.179513	0.144	0.081	1 DC	UBA7
AARS.1	0.001445	-0.15937	0.123	0.232	1 DC	AARS
PSMD7	0.001447	0.180131	0.545	0.489	1 DC	PSMD7
MORN4.2	0.001455	-0.12698	0	0.052	1 DC	MORN4
DUSP8.1	0.001455	-0.15165	0	0.052	1 DC	DUSP8
COG6	0.001463	-0.18884	0.027	0.096	1 DC	COG6
BAZ1A.3	0.001464	0.168955	0.401	0.319	1 DC	BAZ1A
EHD1.2	0.001471	-0.129	0.043	0.123	1 DC	EHD1
MORC4.1	0.001472	-0.11482	0.005	0.062	1 DC	MORC4
FIBP.1	0.001478	0.16304	0.556	0.481	1 DC	FIBP
BMF	0.001478	0.137307	0.053	0.02	1 DC	BMF
ZNF618.3	0.00148	0.128922	0.096	0.047	1 DC	ZNF618
SORBS2.1	0.001484	-0.17969	0	0.051	1 DC	SORBS2
ZFAND2A.3	0.001484	-0.24983	0.166	0.285	1 DC	ZFAND2A
SASH1	0.001484	-0.14699	0.011	0.071	1 DC	SASH1
SPEG.1	0.001492	-0.12973	0.011	0.071	1 DC	SPEG
RBM39.1	0.001494	0.104357	0.77	0.652	1 DC	RBM39
B3GALT1.1	0.001498	-0.10283	0	0.051	1 DC	B3GALT1
LTBP1.1	0.001498	-0.1109	0	0.051	1 DC	LTBP1
ZNF14	0.001498	-0.13841	0	0.051	1 DC	ZNF14
FGF9.2	0.001498	-0.18535	0	0.051	1 DC	FGF9
CARS.1	0.001502	-0.24386	0.118	0.221	1 DC	CARS
UBE2E3.2	0.001503	-0.20996	0.337	0.462	1 DC	UBE2E3
PRSS23.1	0.001515	-0.25856	0.016	0.079	1 DC	PRSS23
NCS1.1	0.001518	-0.11005	0.005	0.061	1 DC	NCS1
TOP2A.3	0.001519	-0.2146	0.021	0.087	1 DC	TOP2A
EFNA3	0.001521	-0.18611	0.005	0.061	1 DC	EFNA3
AC093323.	0.001521	-0.13419	0.027	0.097	1 DC	AC093323.3
TMEM123.2	0.001523	0.226037	0.46	0.395	1 DC	TMEM123
VGf.1	0.001525	-0.2129	0.011	0.07	1 DC	VGf
LCA5	0.001527	-0.12331	0	0.051	1 DC	LCA5
TMEM38A.2	0.001527	-0.1495	0	0.051	1 DC	TMEM38A
ARMC9.1	0.00153	-0.15484	0.011	0.07	1 DC	ARMC9
RP11-305L	0.001537	0.112554	0.032	0.009	1 DC	RP11-305L7.3
BST1	0.001539	0.17251	0.08	0.037	1 DC	BST1
CLTC.2	0.001541	-0.17979	0.219	0.351	1 DC	CLTC
MVK	0.001543	-0.15324	0.016	0.079	1 DC	MVK
C8orf44	0.001545	-0.13401	0.005	0.061	1 DC	C8orf44
TTC7A.3	0.001546	0.185532	0.134	0.074	1 DC	TTC7A
ARHGEF10	0.001553	-0.20364	0.011	0.07	1 DC	ARHGEF10
COA5.1	0.001555	-0.18431	0.182	0.308	1 DC	COA5
TMEFF2.3	0.001557	-0.22301	0.016	0.079	1 DC	TMEFF2
ARPP21.1	0.001557	-0.1629	0	0.051	1 DC	ARPP21
LZTS1.2	0.001565	-0.12571	0.005	0.061	1 DC	LZTS1
NUDT10	0.001573	-0.1542	0	0.051	1 DC	NUDT10

ZCCHC6.3	0.001578	0.192444	0.209	0.134	1 DC	ZCCHC6
PDXK.3	0.001581	0.176988	0.364	0.283	1 DC	PDXK
PPCS	0.001584	0.126173	0.406	0.319	1 DC	PPCS
CCDC58.1	0.001586	-0.12677	0.059	0.145	1 DC	CCDC58
SGIP1	0.001588	-0.18386	0	0.051	1 DC	SGIP1
HNRNPH2.2	0.001588	0.150888	0.476	0.399	1 DC	HNRNPH2
DGKA	0.001588	0.122503	0.08	0.037	1 DC	DGKA
NAA30.2	0.00159	-0.16188	0.021	0.088	1 DC	NAA30
DYNC2LI1.	0.001591	-0.21623	0.075	0.166	1 DC	DYNC2LI1
FAM104A.1	0.001594	-0.1487	0.128	0.242	1 DC	FAM104A
COMMD2.1	0.001597	-0.21253	0.171	0.291	1 DC	COMMD2
PADI2.3	0.001598	0.119432	0.219	0.133	1 DC	PADI2
NSA2.3	0.001602	0.22731	0.455	0.397	1 DC	NSA2
PPP4C.2	0.001609	0.175309	0.599	0.542	1 DC	PPP4C
PHACTR2.3	0.001611	0.277755	0.139	0.082	1 DC	PHACTR2
TTC8.1	0.001612	-0.14553	0.021	0.088	1 DC	TTC8
ARHGEF7.2	0.00162	-0.148	0.07	0.159	1 DC	ARHGEF7
C16orf91.	0.001621	-0.16644	0.096	0.197	1 DC	C16orf91
NPHP1.1	0.00163	-0.14125	0.011	0.07	1 DC	NPHP1
ZNF660	0.001635	-0.11913	0	0.05	1 DC	ZNF660
WDR73.1	0.001637	-0.18748	0.059	0.143	1 DC	WDR73
COX5B.3	0.001641	-0.14111	0.904	0.847	1 DC	COX5B
PSEN2.1	0.001645	-0.15389	0.037	0.113	1 DC	PSEN2
BROX.3	0.001646	0.272782	0.299	0.234	1 DC	BROX
ACTL6A.1	0.001646	-0.25108	0.15	0.259	1 DC	ACTL6A
FNTB.1	0.001649	-0.19212	0.021	0.087	1 DC	FNTB
INTU	0.00165	-0.143	0.011	0.07	1 DC	INTU
SLC25A18.	0.00165	-0.11719	0.021	0.088	1 DC	SLC25A18
DNAL1	0.001655	-0.10289	0.032	0.105	1 DC	DNAL1
SRD5A3.3	0.001656	0.23221	0.235	0.161	1 DC	SRD5A3
RINT1.1	0.001656	-0.16771	0.027	0.096	1 DC	RINT1
MRPS23.1	0.001661	-0.2352	0.235	0.369	1 DC	MRPS23
ZNF620	0.001662	-0.1486	0.005	0.06	1 DC	ZNF620
KRI1	0.001662	-0.11436	0.032	0.105	1 DC	KRI1
ZNF625	0.001667	-0.12203	0	0.05	1 DC	ZNF625
ANKRD13B.	0.001667	-0.1252	0	0.05	1 DC	ANKRD13B
CACNG4	0.001667	-0.13511	0	0.05	1 DC	CACNG4
GNAI3.2	0.00167	0.172485	0.46	0.392	1 DC	GNAI3
IL32.1	0.00167	-0.41071	0.032	0.101	1 DC	IL32
CYP3A5	0.00167	-0.13835	0.005	0.06	1 DC	CYP3A5
PIH1D1.1	0.001675	-0.23981	0.257	0.392	1 DC	PIH1D1
AC109826.	0.001679	0.168836	0.08	0.036	1 DC	AC109826.1
GYG1.1	0.001679	0.250874	0.326	0.253	1 DC	GYG1
ST3GAL3.1	0.00168	-0.14531	0.021	0.087	1 DC	ST3GAL3
C19orf25.	0.001681	-0.16668	0.176	0.301	1 DC	C19orf25
TPT1.3	0.001682	-0.17833	0.995	0.952	1 DC	TPT1
SLC25A17.	0.001684	-0.17875	0.07	0.158	1 DC	SLC25A17
PARD3.1	0.001691	-0.10214	0.005	0.06	1 DC	PARD3
DHX33.1	0.001694	-0.10449	0.043	0.122	1 DC	DHX33
MBIP.2	0.001695	-0.19473	0.086	0.181	1 DC	MBIP
CAPNS1.2	0.001702	0.205207	0.406	0.338	1 DC	CAPNS1

FIZ1. 1	0.001716	-0.11802	0	0.05	1 DC	FIZ1
ZNF212	0.00172	-0.16357	0.011	0.069	1 DC	ZNF212
ZNF530. 1	0.001723	-0.13415	0.005	0.06	1 DC	ZNF530
BCKDK. 3	0.001724	0.175337	0.39	0.313	1 DC	BCKDK
CTC-338M1	0.001725	-0.177	0.011	0.07	1 DC	CTC-338M12. 5
STARD10	0.001733	-0.14148	0.016	0.079	1 DC	STARD10
RFC4. 1	0.001735	-0.18092	0.07	0.158	1 DC	RFC4
TMEM97. 1	0.001735	-0.16385	0.08	0.173	1 DC	TMEM97
REX02. 3	0.001741	-0.34175	0.203	0.321	1 DC	REX02
CCZ1B. 2	0.001741	-0.12701	0.064	0.153	1 DC	CCZ1B
WDR5. 1	0.001741	-0.13285	0.043	0.12	1 DC	WDR5
SNW1	0.001745	0.204665	0.417	0.352	1 DC	SNW1
ANKRD50. 1	0.00175	-0.12522	0	0.05	1 DC	ANKRD50
ABHD14B. 2	0.001753	0.161869	0.257	0.178	1 DC	ABHD14B
PRADC1. 2	0.001756	-0.16476	0.112	0.218	1 DC	PRADC1
B3GNT7	0.001757	0.183833	0.064	0.027	1 DC	B3GNT7
ESYT1. 3	0.001758	0.213275	0.187	0.119	1 DC	ESYT1
GSG1L	0.001761	-0.18444	0.005	0.06	1 DC	GSG1L
ZNF529. 1	0.001762	-0.15828	0.005	0.06	1 DC	ZNF529
CENPF. 3	0.001762	-0.25705	0.032	0.102	1 DC	CENPF
PHLDB1. 3	0.001764	-0.1651	0.059	0.143	1 DC	PHLDB1
ERCC6L2. 1	0.00178	-0.10145	0.021	0.087	1 DC	ERCC6L2
ADNP. 2	0.001784	-0.11377	0.096	0.194	1 DC	ADNP
EPB41L5. 1	0.001784	-0.13391	0	0.05	1 DC	EPB41L5
SPC24. 3	0.001784	-0.15253	0	0.05	1 DC	SPC24
ARPP19. 1	0.001793	-0.25848	0.289	0.428	1 DC	ARPP19
PURA. 2	0.001794	-0.17114	0.107	0.21	1 DC	PURA
MED16. 2	0.001794	-0.11781	0.07	0.16	1 DC	MED16
RGL1. 2	0.001795	-0.16014	0.021	0.087	1 DC	RGL1
PGRMC2. 2	0.001796	-0.17419	0.123	0.227	1 DC	PGRMC2
COBL. 1	0.001798	-0.18079	0.011	0.068	1 DC	COBL
NUP62. 3	0.001798	-0.22201	0.134	0.239	1 DC	NUP62
ZNF776	0.0018	-0.12236	0.005	0.06	1 DC	ZNF776
MARC1. 1	0.001806	-0.11475	0.005	0.06	1 DC	1-Mar
TMEM161A.	0.001808	-0.15617	0.08	0.173	1 DC	TMEM161A
RNF25	0.001811	-0.16364	0.032	0.103	1 DC	RNF25
RNF26. 1	0.001812	-0.12347	0.07	0.159	1 DC	RNF26
PRR3. 1	0.001816	-0.14474	0.032	0.104	1 DC	PRR3
RNF182. 1	0.001819	-0.1275	0	0.05	1 DC	RNF182
GPR137C	0.001819	-0.13608	0	0.05	1 DC	GPR137C
KCTD7. 1	0.001822	-0.14806	0.005	0.06	1 DC	KCTD7
EMP2. 1	0.001823	-0.2751	0.037	0.109	1 DC	EMP2
ADCK4. 1	0.001824	-0.13113	0.048	0.128	1 DC	ADCK4
GOSR2. 1	0.001825	-0.18346	0.091	0.187	1 DC	GOSR2
MON1A. 1	0.001826	-0.11731	0.021	0.087	1 DC	MON1A
SIRT3. 1	0.001827	-0.1146	0.032	0.104	1 DC	SIRT3
GPR162. 1	0.001827	-0.16203	0.032	0.103	1 DC	GPR162
CD40. 3	0.001829	0.208758	0.123	0.066	1 DC	CD40
IL4R. 3	0.001832	0.195119	0.128	0.07	1 DC	IL4R
PPIL1. 2	0.001834	-0.16901	0.096	0.196	1 DC	PPIL1
IFIT3. 3	0.001838	-0.23504	0.037	0.109	1 DC	IFIT3

AC004069.	0.	0.001841	0.125937	0.053	0.021	1 DC	AC004069.2
ABHD17B.	3	0.001842	-0.19778	0.048	0.126	1 DC	ABHD17B
C17orf51.	0.	0.001851	-0.12421	0.011	0.069	1 DC	C17orf51
SLC35B2.	2	0.001854	-0.11573	0.176	0.302	1 DC	SLC35B2
RP11-488L	0.	0.001855	0.170894	0.102	0.052	1 DC	RP11-488L18.10
TTL.	2	0.001856	-0.17237	0.043	0.119	1 DC	TTL
CREB5.	2	0.001869	-0.18406	0.128	0.237	1 DC	CREB5
GARS.	3	0.001871	-0.13393	0.176	0.295	1 DC	GARS
TSC22D4.	3	0.001873	-0.43173	0.385	0.471	1 DC	TSC22D4
MYT1L.	3	0.001883	-0.16864	0.005	0.06	1 DC	MYT1L
SEPN1.	2	0.001885	-0.14029	0.107	0.211	1 DC	SEPN1
ZNF268.	1	0.001898	-0.18563	0.043	0.118	1 DC	ZNF268
SEPT3.	2	0.001899	-0.17075	0.011	0.068	1 DC	3-Sep
POLDIP3.	2	0.001901	-0.15249	0.091	0.187	1 DC	POLDIP3
EFHD1	0.	0.001903	-0.26176	0.005	0.059	1 DC	EFHD1
PRRC2C.	3	0.001903	0.134249	0.545	0.481	1 DC	PRRC2C
TDP2.	1	0.001904	-0.21796	0.091	0.184	1 DC	TDP2
TANGO2.	3	0.001905	0.192202	0.144	0.084	1 DC	TANGO2
CD36	0.	0.001911	0.136056	0.043	0.015	1 DC	CD36
BMPR1A.	1	0.001913	-0.13372	0.011	0.069	1 DC	BMPR1A
FOLR2.	3	0.001928	-0.605	0.102	0.179	1 DC	FOLR2
LMLN	0.	0.001928	-0.11276	0	0.049	1 DC	LMLN
SPRY4.	1	0.001929	-0.12188	0.011	0.068	1 DC	SPRY4
SEC13.	1	0.00193	0.246177	0.428	0.367	1 DC	SEC13
HMGCS1.	1	0.00194	-0.19525	0.091	0.184	1 DC	HMGCS1
POLE4.	2	0.001944	0.234798	0.364	0.283	1 DC	POLE4
SEPT11.	3	0.001945	-0.20937	0.187	0.305	1 DC	11-Sep
GPD1.	2	0.001947	-0.2177	0	0.049	1 DC	GPD1
TCF7L2.	1	0.001951	-0.14262	0.027	0.095	1 DC	TCF7L2
NEDD9.	2	0.001953	0.225909	0.294	0.219	1 DC	NEDD9
LINC00844	0.	0.001954	-0.32094	0.037	0.108	1 DC	LINC00844
RBBP9.	1	0.001955	-0.11173	0.027	0.095	1 DC	RBBP9
IGBP1.	1	0.001955	0.208282	0.417	0.344	1 DC	IGBP1
OGFOD1	0.	0.001956	-0.15542	0.064	0.152	1 DC	OGFOD1
IMPAD1.	1	0.001956	-0.16325	0.091	0.188	1 DC	IMPAD1
RPRM.	3	0.001958	-0.23492	0.011	0.067	1 DC	RPRM
EID2.	2	0.001961	-0.10461	0.037	0.112	1 DC	EID2
SETD5.	3	0.001965	-0.15047	0.171	0.29	1 DC	SETD5
DEAF1.	2	0.001966	-0.13047	0.107	0.214	1 DC	DEAF1
LASP1.	3	0.001969	0.199809	0.283	0.208	1 DC	LASP1
ZNF692.	1	0.001971	-0.16954	0.037	0.11	1 DC	ZNF692
ZNF414.	3	0.001977	-0.15096	0.091	0.187	1 DC	ZNF414
PRRC2B.	3	0.00198	-0.16352	0.128	0.238	1 DC	PRRC2B
WSB2.	3	0.001982	-0.18825	0.123	0.225	1 DC	WSB2
OSTM1.	3	0.001983	0.300126	0.294	0.227	1 DC	OSTM1
LENG1.	1	0.001984	-0.15899	0.102	0.203	1 DC	LENG1
TMEM246.	1	0.001985	-0.1624	0	0.049	1 DC	TMEM246
CTNNA2.	1	0.001994	-0.18021	0.005	0.059	1 DC	CTNNA2
NLK.	2	0.001996	-0.12086	0.016	0.077	1 DC	NLK
PLXNA1.	1	0.001997	-0.10685	0.021	0.086	1 DC	PLXNA1
SLC41A1	0.	0.002003	-0.13704	0.011	0.068	1 DC	SLC41A1

RP11-480C	0.002005	-0.27621	0	0.049	1 DC	RP11-480C22.1
PEX11A	0.002011	-0.14863	0.005	0.059	1 DC	PEX11A
ASGR1.3	0.002021	0.201054	0.128	0.072	1 DC	ASGR1
DLG2	0.002024	-0.16006	0	0.049	1 DC	DLG2
FGF12	0.002024	-0.19631	0	0.049	1 DC	FGF12
CD109	0.002026	0.125872	0.059	0.024	1 DC	CD109
GGA1.3	0.002026	0.276936	0.358	0.288	1 DC	GGA1
TLR4.2	0.002028	0.119993	0.086	0.04	1 DC	TLR4
ZNF341	0.002029	0.162094	0.048	0.018	1 DC	ZNF341
COG1.2	0.002033	-0.13794	0.037	0.111	1 DC	COG1
ZNF638.2	0.002038	-0.17858	0.144	0.253	1 DC	ZNF638
TTC26.2	0.002044	-0.14912	0	0.048	1 DC	TTC26
RP11-398K	0.002047	-0.13354	0.016	0.077	1 DC	RP11-398K22.12
ZYG11B.3	0.002047	-0.12529	0.064	0.15	1 DC	ZYG11B
SEC14L1.2	0.00205	0.30995	0.358	0.291	1 DC	SEC14L1
CROT.2	0.002058	-0.16274	0.053	0.133	1 DC	CROT
ZNF398.2	0.002061	-0.14067	0.005	0.058	1 DC	ZNF398
RBM18.1	0.002062	-0.14021	0.107	0.208	1 DC	RBM18
ZNF853.1	0.002064	-0.10423	0	0.048	1 DC	ZNF853
WWC3.1	0.002064	-0.12354	0	0.048	1 DC	WWC3
EMC9	0.002066	-0.20501	0.086	0.178	1 DC	EMC9
NAT9.1	0.002079	-0.22893	0.107	0.204	1 DC	NAT9
UBE2G1.3	0.002081	-0.12966	0.144	0.26	1 DC	UBE2G1
WBP4.2	0.002089	-0.16562	0.182	0.307	1 DC	WBP4
ACOX3.1	0.002094	-0.15955	0.027	0.093	1 DC	ACOX3
SLC12A5.3	0.002104	-0.18913	0.027	0.093	1 DC	SLC12A5
SLC16A9.1	0.002104	-0.10739	0	0.048	1 DC	SLC16A9
RPGRIP1L	0.002107	-0.13789	0.005	0.058	1 DC	RPGRIP1L
ZBED5.2	0.002109	-0.14216	0.086	0.18	1 DC	ZBED5
C8orf59.1	0.002116	0.159708	0.455	0.392	1 DC	C8orf59
DHRS7B	0.002122	-0.1372	0.091	0.188	1 DC	DHRS7B
NEK11.1	0.002125	-0.13759	0	0.048	1 DC	NEK11
CCDC77	0.002125	-0.14681	0.005	0.058	1 DC	CCDC77
TPMT.1	0.002133	0.200381	0.267	0.19	1 DC	TPMT
MAPK7.1	0.00214	-0.1285	0.048	0.126	1 DC	MAPK7
ZNF273.2	0.002141	-0.17709	0.021	0.085	1 DC	ZNF273
FGFR2.1	0.002145	-0.20274	0	0.048	1 DC	FGFR2
ACTR6	0.002146	-0.15684	0.128	0.236	1 DC	ACTR6
ZNF514.1	0.002155	-0.16353	0.021	0.085	1 DC	ZNF514
PRKCZ.3	0.002161	-0.15	0.032	0.101	1 DC	PRKCZ
C5orf30.1	0.002162	-0.15757	0.016	0.076	1 DC	C5orf30
ZNF454.1	0.002166	-0.11942	0	0.048	1 DC	ZNF454
RAB30.1	0.002172	-0.13283	0.016	0.076	1 DC	RAB30
LUC7L.1	0.002174	-0.20917	0.139	0.247	1 DC	LUC7L
TSEN15.1	0.002187	-0.1409	0.128	0.235	1 DC	TSEN15
PDZD4.1	0.002187	-0.13259	0	0.048	1 DC	PDZD4
GTF3C4.1	0.002188	-0.11512	0.011	0.067	1 DC	GTF3C4
RP11-195F	0.002189	-0.21988	0.027	0.092	1 DC	RP11-195F19.5
KLHL20	0.002194	-0.16886	0.059	0.14	1 DC	KLHL20
PTPN13.1	0.002196	-0.11805	0.027	0.094	1 DC	PTPN13
URGCP	0.002198	-0.17548	0.043	0.117	1 DC	URGCP

TDRD3. 1	0. 0022	-0. 13176	0. 027	0. 093	1 DC	TDRD3
SRGAP3. 2	0. 002219	-0. 19193	0. 064	0. 147	1 DC	SRGAP3
COQ10A	0. 002221	-0. 11333	0. 032	0. 102	1 DC	COQ10A
RAF1. 3	0. 002224	-0. 14758	0. 16	0. 279	1 DC	RAF1
SAMD10	0. 00223	-0. 1009	0. 005	0. 058	1 DC	SAMD10
SESTD1. 2	0. 00223	-0. 19153	0. 075	0. 16	1 DC	SESTD1
BLOC1S2. 2	0. 002236	0. 179601	0. 439	0. 367	1 DC	BLOC1S2
FUNDC1. 2	0. 002258	-0. 2019	0. 139	0. 247	1 DC	FUNDC1
DMTF1. 1	0. 002262	-0. 14153	0. 064	0. 149	1 DC	DMTF1
ASCC2. 2	0. 002266	0. 294041	0. 273	0. 204	1 DC	ASCC2
METTL14. 1	0. 002269	-0. 13678	0. 027	0. 093	1 DC	METTL14
XKR4. 1	0. 002272	-0. 1473	0. 005	0. 058	1 DC	XKR4
RITA1. 1	0. 002288	-0. 15515	0. 053	0. 133	1 DC	RITA1
MLLT4. 2	0. 002289	-0. 11259	0. 075	0. 163	1 DC	MLLT4
THEM6. 1	0. 002296	-0. 14881	0. 021	0. 084	1 DC	THEM6
FIS1. 2	0. 0023	-0. 24326	0. 54	0. 639	1 DC	FIS1
ESCO1	0. 002301	-0. 15075	0. 048	0. 125	1 DC	ESCO1
FAHD1. 1	0. 00231	-0. 16484	0. 086	0. 177	1 DC	FAHD1
CREBZF. 2	0. 00231	-0. 16103	0. 053	0. 132	1 DC	CREBZF
RANBP2. 3	0. 002311	0. 241307	0. 283	0. 208	1 DC	RANBP2
ARL5B. 3	0. 002318	0. 224359	0. 144	0. 086	1 DC	ARL5B
CHPF2. 2	0. 002327	-0. 17939	0. 07	0. 154	1 DC	CHPF2
TMCC3. 3	0. 00233	0. 169832	0. 128	0. 072	1 DC	TMCC3
LINC00116	0. 002336	-0. 1884	0. 23	0. 367	1 DC	LINC00116
IFIT5. 1	0. 002338	-0. 15145	0. 021	0. 084	1 DC	IFIT5
TYW5	0. 00236	-0. 1902	0. 027	0. 093	1 DC	TYW5
PAK7. 2	0. 002364	-0. 15701	0	0. 047	1 DC	PAK7
RLF. 1	0. 002366	0. 217314	0. 166	0. 104	1 DC	RLF
CCDC66. 2	0. 002367	-0. 13249	0. 123	0. 231	1 DC	CCDC66
TMEM178B.	0. 002368	-0. 13131	0. 005	0. 057	1 DC	TMEM178B
RP11-390E	0. 00237	-0. 10326	0. 048	0. 126	1 DC	RP11-390E23. 6
ZNF580. 2	0. 002371	-0. 16059	0. 176	0. 293	1 DC	ZNF580
BEX5. 1	0. 002381	-0. 31488	0. 032	0. 097	1 DC	BEX5
PIR. 1	0. 00239	-0. 16071	0. 005	0. 057	1 DC	PIR
FDXR. 1	0. 002392	-0. 18115	0. 043	0. 115	1 DC	FDXR
CDKN1C. 3	0. 002399	-0. 21778	0. 043	0. 115	1 DC	CDKN1C
NUCB1. 2	0. 002399	0. 147256	0. 513	0. 444	1 DC	NUCB1
CASP6. 2	0. 00241	-0. 1495	0. 075	0. 164	1 DC	CASP6
COR07. 3	0. 002416	0. 246712	0. 23	0. 157	1 DC	COR07
IPO13. 1	0. 002419	-0. 17409	0. 037	0. 108	1 DC	IPO13
SNRPA1. 2	0. 002422	-0. 20067	0. 176	0. 297	1 DC	SNRPA1
ZNF140	0. 002433	-0. 1357	0. 037	0. 108	1 DC	ZNF140
SLC35F6. 3	0. 002434	-0. 18738	0. 112	0. 211	1 DC	SLC35F6
GPATCH2. 1	0. 002441	-0. 17121	0. 075	0. 163	1 DC	GPATCH2
RAPH1. 1	0. 002444	0. 178493	0. 118	0. 065	1 DC	RAPH1
PLXNA3	0. 002445	-0. 1087	0. 011	0. 066	1 DC	PLXNA3
SAP30L. 2	0. 002452	-0. 10765	0. 027	0. 093	1 DC	SAP30L
RER1. 2	0. 002453	0. 169395	0. 561	0. 496	1 DC	RER1
DOK4. 1	0. 002457	-0. 12007	0	0. 047	1 DC	DOK4
LEMD1	0. 002457	-0. 14384	0	0. 047	1 DC	LEMD1
TRIP6. 3	0. 002463	-0. 16079	0. 139	0. 251	1 DC	TRIP6

IMMP2L. 1	0.002464	-0.21627	0.064	0.146	1 DC	IMMP2L
TROVE2. 2	0.002465	-0.22891	0.294	0.435	1 DC	TROVE2
RDH11. 2	0.002467	-0.24505	0.267	0.39	1 DC	RDH11
TLL1	0.002469	-0.15144	0.027	0.092	1 DC	TLL1
RERE. 2	0.002471	-0.18023	0.112	0.212	1 DC	RERE
AKT1S1. 1	0.002477	-0.1136	0.134	0.242	1 DC	AKT1S1
GRID2. 1	0.002481	-0.13776	0	0.047	1 DC	GRID2
MED21	0.002481	-0.21019	0.112	0.212	1 DC	MED21
PLCE1. 1	0.002487	-0.13632	0.011	0.066	1 DC	PLCE1
TF. 3	0.002503	-0.40299	0.016	0.074	1 DC	TF
AC009501. 0	0.002506	-0.41191	0.075	0.158	1 DC	AC009501. 4
ADAR. 2	0.002508	-0.158	0.187	0.309	1 DC	ADAR
CDK2AP2. 2	0.002518	0.239679	0.39	0.328	1 DC	CDK2AP2
PRPF38B. 3	0.002529	0.221073	0.492	0.434	1 DC	PRPF38B
CD276. 1	0.00254	-0.17721	0.123	0.224	1 DC	CD276
COG5. 1	0.002548	-0.12176	0.032	0.101	1 DC	COG5
RP11-212F	0.002551	-0.13315	0.027	0.092	1 DC	RP11-212P7. 2
IL17RB. 1	0.002555	-0.15274	0	0.046	1 DC	IL17RB
ARHGEF2. 2	0.002557	-0.25032	0.182	0.29	1 DC	ARHGEF2
TBC1D12. 3	0.002561	0.183644	0.171	0.106	1 DC	TBC1D12
RAE1. 1	0.002564	-0.17672	0.155	0.269	1 DC	RAE1
SETBP1. 1	0.002568	-0.12628	0.016	0.075	1 DC	SETBP1
GNPAT. 2	0.002577	-0.16574	0.134	0.241	1 DC	GNPAT
BOLA3. 1	0.002577	-0.24868	0.214	0.337	1 DC	BOLA3
RP11-486G	0.00258	-0.12869	0	0.046	1 DC	RP11-486G15. 2
WDR3	0.002603	-0.13126	0.032	0.101	1 DC	WDR3
ABL2. 3	0.002603	0.227325	0.348	0.267	1 DC	ABL2
AIFM1. 2	0.002608	0.224682	0.209	0.144	1 DC	AIFM1
NECAP1. 1	0.002611	-0.23406	0.107	0.2	1 DC	NECAP1
GALM. 2	0.002613	0.203018	0.193	0.124	1 DC	GALM
ZNF131. 2	0.002613	-0.15877	0.128	0.234	1 DC	ZNF131
VPS53. 2	0.002614	-0.19257	0.075	0.16	1 DC	VPS53
FAM172A. 1	0.002616	-0.17705	0.102	0.198	1 DC	FAM172A
INTS5	0.00262	-0.10628	0.021	0.084	1 DC	INTS5
FAM199X. 2	0.002621	-0.11884	0.037	0.109	1 DC	FAM199X
RPIA. 2	0.002634	0.263984	0.257	0.187	1 DC	RPIA
MAGI3	0.002639	-0.11097	0.005	0.056	1 DC	MAGI3
CHORDC1. 1	0.002647	-0.22653	0.118	0.214	1 DC	CHORDC1
NDFIP1. 3	0.002657	-0.17649	0.535	0.602	1 DC	NDFIP1
FKRP. 1	0.002658	-0.10329	0.005	0.056	1 DC	FKRP
ZNF433	0.002664	-0.12702	0.005	0.056	1 DC	ZNF433
ADAM9. 2	0.002667	-0.20232	0.214	0.332	1 DC	ADAM9
PELP1. 2	0.002674	-0.17336	0.07	0.152	1 DC	PELP1
CLDN10. 1	0.002676	-0.28614	0.005	0.056	1 DC	CLDN10
FRMD3. 1	0.002677	-0.12009	0.005	0.056	1 DC	FRMD3
C2orf69. 3	0.002678	-0.16304	0.102	0.196	1 DC	C2orf69
DLGAP1	0.002682	-0.12741	0	0.046	1 DC	DLGAP1
CDCA5. 1	0.002682	-0.13194	0	0.046	1 DC	CDCA5
ATP6AP1L. 0	0.002682	-0.14621	0	0.046	1 DC	ATP6AP1L
CYSTM1. 3	0.002687	-0.30565	0.214	0.326	1 DC	CYSTM1
PIN1. 1	0.002697	-0.21872	0.433	0.538	1 DC	PIN1



SPIN1.3	0.002701	-0.15243	0.08	0.168	1 DC	SPIN1
SMARCAD1.	0.002708	-0.11258	0.037	0.108	1 DC	SMARCAD1
MAML1.3	0.002717	0.211121	0.182	0.116	1 DC	MAML1
ZNF324.1	0.002718	-0.13442	0.021	0.083	1 DC	ZNF324
FBX06	0.00272	0.18467	0.128	0.074	1 DC	FBX06
PUS3.1	0.00272	-0.12764	0.043	0.115	1 DC	PUS3
CSPP1.1	0.002721	-0.14887	0.037	0.107	1 DC	CSPP1
RYK.2	0.002736	-0.14216	0.027	0.091	1 DC	RYK
C1orf50.1	0.002738	-0.19925	0.091	0.181	1 DC	C1orf50
RFX1.2	0.002741	-0.11568	0.027	0.091	1 DC	RFX1
HK3.1	0.002745	0.106807	0.059	0.024	1 DC	HK3
SIL1.2	0.002756	0.209689	0.326	0.253	1 DC	SIL1
RAB34.1	0.002767	0.213616	0.369	0.282	1 DC	RAB34
HIST1H4C.	0.002769	-0.31113	0.342	0.426	1 DC	HIST1H4C
SYNDIG1.3	0.002774	-0.20937	0.027	0.09	1 DC	SYNDIG1
RIN1.2	0.002776	-0.11531	0.021	0.083	1 DC	RIN1
FAM229A	0.002788	-0.1205	0	0.046	1 DC	FAM229A
CYFIP2.2	0.002791	-0.16321	0.043	0.115	1 DC	CYFIP2
UBE4A.2	0.002795	-0.13568	0.07	0.154	1 DC	UBE4A
ZNF830.1	0.002804	-0.15607	0.096	0.192	1 DC	ZNF830
NEU4.2	0.002809	-0.23972	0.011	0.064	1 DC	NEU4
ARVCF.1	0.00281	-0.10311	0.005	0.056	1 DC	ARVCF
CCER2.2	0.002811	-0.1765	0.005	0.056	1 DC	CCER2
EIF2B2.1	0.002813	-0.15	0.086	0.175	1 DC	EIF2B2
B4GALNT4	0.002815	-0.11263	0	0.046	1 DC	B4GALNT4
RP5-1177M	0.002815	-0.2005	0	0.046	1 DC	RP5-1177M21.1
LOX.1	0.002815	-0.21765	0	0.046	1 DC	LOX
TRMT10C.1	0.002815	-0.19396	0.144	0.251	1 DC	TRMT10C
CLCN4.2	0.002828	-0.1475	0.005	0.055	1 DC	CLCN4
FTSJ2.1	0.002836	-0.18644	0.134	0.239	1 DC	FTSJ2
GRIK3	0.002842	-0.11273	0	0.046	1 DC	GRIK3
ZNF117.1	0.002844	-0.16431	0.037	0.106	1 DC	ZNF117
MFAP3L.1	0.002844	-0.1179	0.005	0.056	1 DC	MFAP3L
DNASE1	0.002845	-0.14709	0.021	0.083	1 DC	DNASE1
LARP1.1	0.002851	-0.15778	0.144	0.254	1 DC	LARP1
PGD.2	0.002861	0.229577	0.358	0.292	1 DC	PGD
MCF2L.3	0.002864	-0.21156	0.032	0.097	1 DC	MCF2L
UBL4A.2	0.002867	-0.14179	0.091	0.184	1 DC	UBL4A
CASKIN2	0.00287	-0.1107	0	0.045	1 DC	CASKIN2
TIMM8A	0.002882	-0.16667	0.032	0.099	1 DC	TIMM8A
ENKD1.1	0.002888	-0.11798	0.011	0.065	1 DC	ENKD1
PIK3R1.2	0.002888	-0.27396	0.209	0.309	1 DC	PIK3R1
C16orf59.	0.002898	-0.11005	0	0.045	1 DC	C16orf59
NEO1.1	0.002904	-0.13981	0.016	0.073	1 DC	NEO1
LRRC61.2	0.002913	-0.1662	0.011	0.065	1 DC	LRRC61
IER5.3	0.00292	0.222248	0.273	0.201	1 DC	IER5
TMEM87B.2	0.00292	0.163928	0.118	0.066	1 DC	TMEM87B
TMEM199.1	0.002932	-0.14305	0.139	0.244	1 DC	TMEM199
COL1A2.1	0.002934	0.122931	0.043	0.015	1 DC	COL1A2
FBX031	0.002936	-0.10892	0.005	0.055	1 DC	FBX031
NUDT16L1.	0.002937	-0.14913	0.166	0.283	1 DC	NUDT16L1

AP1B1. 3	0.002944	0.158988	0.348	0.257	1 DC	AP1B1
FAM114A2	0.002944	-0.19577	0.053	0.128	1 DC	FAM114A2
DPYD. 1	0.002945	0.115938	0.166	0.099	1 DC	DPYD
ZNF136. 1	0.002949	-0.17723	0.032	0.098	1 DC	ZNF136
HSPB1. 2	0.002955	-0.24477	0.61	0.655	1 DC	HSPB1
MAFG. 3	0.002964	-0.19218	0.096	0.186	1 DC	MAFG
ANAPC13. 3	0.002965	-0.23096	0.235	0.356	1 DC	ANAPC13
MARK4. 1	0.002969	-0.12376	0.016	0.073	1 DC	MARK4
CCDC157. 1	0.00298	-0.1181	0.005	0.055	1 DC	CCDC157
CDYL. 3	0.00298	-0.1007	0.043	0.116	1 DC	CDYL
TECPR1. 2	0.002983	-0.13533	0.048	0.121	1 DC	TECPR1
ZNF573	0.002986	-0.13974	0.011	0.065	1 DC	ZNF573
FAM120A. 3	0.002991	0.248456	0.273	0.209	1 DC	FAM120A
COX6A1. 3	0.002992	-0.15849	0.866	0.844	1 DC	COX6A1
BNIP1. 2	0.002995	-0.19643	0.048	0.121	1 DC	BNIP1
RBM48. 1	0.003007	-0.13015	0.027	0.091	1 DC	RBM48
MKRN3	0.003012	-0.13397	0	0.045	1 DC	MKRN3
SYNGAP1. 1	0.003018	-0.1196	0.005	0.055	1 DC	SYNGAP1
BRAT1. 1	0.00302	-0.18601	0.096	0.185	1 DC	BRAT1
GPX3. 2	0.003026	0.222797	0.225	0.152	1 DC	GPX3
EN1	0.003028	-0.13224	0.011	0.065	1 DC	EN1
RNF214	0.003032	-0.13812	0.037	0.107	1 DC	RNF214
PCDHB14	0.003039	-0.10055	0.005	0.055	1 DC	PCDHB14
TMEM186. 2	0.003043	-0.17062	0.032	0.098	1 DC	TMEM186
RGN. 2	0.003046	-0.13633	0.016	0.073	1 DC	RGN
STEAP3. 2	0.003051	-0.24826	0.08	0.163	1 DC	STEAP3
RCOR3	0.003052	-0.17126	0.053	0.129	1 DC	RCOR3
RUVBL2	0.003055	-0.20221	0.198	0.32	1 DC	RUVBL2
C11orf74.	0.003056	-0.16338	0.086	0.173	1 DC	C11orf74
HN1. 2	0.003059	-0.21011	0.647	0.675	1 DC	HN1
NR2C2AP. 2	0.003061	-0.18635	0.08	0.167	1 DC	NR2C2AP
MFAP4. 1	0.003064	-0.17627	0.005	0.055	1 DC	MFAP4
BRD7. 2	0.00307	-0.13524	0.144	0.256	1 DC	BRD7
GPR155. 2	0.003076	-0.16786	0.096	0.188	1 DC	GPR155
PKP4. 2	0.003077	-0.13062	0.005	0.055	1 DC	PKP4
SREK1IP1.	0.00308	-0.24204	0.219	0.34	1 DC	SREK1IP1
BCR. 1	0.00309	-0.15387	0.011	0.064	1 DC	BCR
PITHD1. 2	0.003091	-0.21328	0.23	0.348	1 DC	PITHD1
ABCF1. 2	0.003093	-0.1243	0.171	0.286	1 DC	ABCF1
ARHGEF4	0.003098	-0.11864	0.005	0.055	1 DC	ARHGEF4
BACE2. 2	0.003099	-0.10215	0.005	0.055	1 DC	BACE2
ZNF781	0.003101	-0.12561	0	0.045	1 DC	ZNF781
DUOX1. 3	0.003102	-0.14735	0.011	0.064	1 DC	DUOX1
VCAM1. 1	0.003106	-0.22788	0.016	0.073	1 DC	VCAM1
PHACTR4. 2	0.003109	-0.12926	0.107	0.204	1 DC	PHACTR4
NDUFAF6. 2	0.003115	-0.11249	0.091	0.182	1 DC	NDUFAF6
PINLYP. 1	0.003121	-0.1865	0.005	0.054	1 DC	PINLYP
CRB2. 1	0.003131	-0.1655	0	0.045	1 DC	CRB2
TNIP1. 1	0.003134	0.248696	0.273	0.207	1 DC	TNIP1
FBXL16	0.003162	-0.10715	0	0.045	1 DC	FBXL16
REPS2	0.003165	0.108164	0.043	0.016	1 DC	REPS2

ZNF654	0.003171	-0.10586	0.005	0.055	1 DC	ZNF654
GALNT13	0.003193	-0.16652	0	0.044	1 DC	GALNT13
GALNT11.1	0.003196	-0.17305	0.128	0.228	1 DC	GALNT11
PRR14L.2	0.003196	-0.10546	0.027	0.09	1 DC	PRR14L
BTBD2.1	0.003204	-0.11103	0.032	0.099	1 DC	BTBD2
RGS12.3	0.003217	-0.20395	0.166	0.272	1 DC	RGS12
BBS2.3	0.003223	-0.17679	0.086	0.174	1 DC	BBS2
FKTN	0.003229	-0.11346	0.011	0.064	1 DC	FKTN
PMEPA1.3	0.003231	-0.21993	0.112	0.202	1 DC	PMEPA1
PYGL.2	0.003231	0.129226	0.273	0.191	1 DC	PYGL
STX3.1	0.003233	0.215982	0.128	0.074	1 DC	STX3
RP11-379H	0.003237	-0.11517	0.016	0.073	1 DC	RP11-379H18.1
SRA1.2	0.003239	0.211196	0.449	0.398	1 DC	SRA1
KLHL28.1	0.003241	-0.18452	0.048	0.12	1 DC	KLHL28
KDM2B.2	0.003245	0.208677	0.198	0.134	1 DC	KDM2B
NCK2.3	0.003248	-0.19058	0.07	0.149	1 DC	NCK2
SYT5.1	0.003255	-0.15182	0	0.044	1 DC	SYT5
HSD17B4.1	0.003257	0.163593	0.316	0.24	1 DC	HSD17B4
GOT2.1	0.003257	-0.11376	0.102	0.198	1 DC	GOT2
SSH2.3	0.00326	0.219876	0.246	0.175	1 DC	SSH2
METTL1.2	0.003263	-0.20608	0.07	0.149	1 DC	METTL1
IGF2BP2.1	0.003265	-0.11811	0.021	0.081	1 DC	IGF2BP2
HEG1.1	0.00327	-0.10059	0.016	0.073	1 DC	HEG1
BLOC1S4.3	0.003283	-0.162	0.139	0.245	1 DC	BLOC1S4
NDUFB1.1	0.003283	0.100796	0.668	0.592	1 DC	NDUFB1
PON2.3	0.003285	-0.30874	0.353	0.452	1 DC	PON2
PLA2G4C	0.003287	-0.13051	0	0.044	1 DC	PLA2G4C
ANKMY2	0.003288	-0.20268	0.048	0.119	1 DC	ANKMY2
TESC.1	0.003292	0.222926	0.08	0.039	1 DC	TESC
NR2C1.1	0.003302	-0.12849	0.032	0.098	1 DC	NR2C1
NUAK1.3	0.003307	-0.16454	0.016	0.072	1 DC	NUAK1
ZP3.1	0.003307	-0.16081	0.016	0.072	1 DC	ZP3
PIGU.2	0.003314	-0.17456	0.086	0.172	1 DC	PIGU
N6AMT1	0.003314	-0.10152	0.011	0.064	1 DC	N6AMT1
SLC35E3.2	0.003317	-0.21569	0.102	0.188	1 DC	SLC35E3
PMS2.2	0.003328	-0.13806	0.053	0.129	1 DC	PMS2
SYMPK.2	0.00333	-0.1733	0.123	0.224	1 DC	SYMPK
ONECUT2	0.003351	-0.14472	0	0.044	1 DC	ONECUT2
SLC27A5.1	0.003351	-0.13424	0.059	0.137	1 DC	SLC27A5
ZFR.1	0.003359	-0.14944	0.187	0.307	1 DC	ZFR
ZNF24.1	0.003394	-0.1232	0.182	0.302	1 DC	ZNF24
CDH13	0.003395	-0.20428	0.005	0.054	1 DC	CDH13
ATP5E.2	0.003401	-0.12384	0.979	0.913	1 DC	ATP5E
ATP1A2.1	0.003407	-0.26187	0.011	0.063	1 DC	ATP1A2
NGRN.1	0.00341	-0.15295	0.021	0.081	1 DC	NGRN
PLEKHF1	0.003417	-0.10024	0	0.044	1 DC	PLEKHF1
ZDHHC22.1	0.003417	-0.12909	0	0.044	1 DC	ZDHHC22
RP11-22P6	0.003417	-0.1647	0	0.044	1 DC	RP11-22P6.2
BRIX1.3	0.003417	-0.17117	0.15	0.255	1 DC	BRIX1
MIEF2.1	0.003421	-0.13108	0.011	0.063	1 DC	MIEF2
GTF3C5.1	0.003442	-0.16821	0.096	0.187	1 DC	GTF3C5

ZBTB17	0.003464	-0.15356	0.043	0.113	1 DC	ZBTB17
RAB40C.1	0.00347	-0.12759	0.021	0.08	1 DC	RAB40C
NMD3.1	0.003472	-0.15731	0.118	0.216	1 DC	NMD3
KLHL25.1	0.003476	-0.1069	0.005	0.054	1 DC	KLHL25
RAB9B	0.003485	-0.1569	0.005	0.053	1 DC	RAB9B
SND1.1	0.003486	0.173759	0.326	0.254	1 DC	SND1
YY1.2	0.003495	0.222454	0.396	0.339	1 DC	YY1
RILP.3	0.003495	0.289881	0.16	0.102	1 DC	RILP
HOXB7.1	0.003498	-0.22666	0.011	0.062	1 DC	HOXB7
TMEM115.1	0.003514	-0.16505	0.112	0.209	1 DC	TMEM115
TXN.2	0.003514	-0.28363	0.61	0.667	1 DC	TXN
BCKDHB.1	0.003519	-0.12996	0.027	0.089	1 DC	BCKDHB
CWC15.2	0.003525	-0.28504	0.353	0.489	1 DC	CWC15
B3GALT4	0.003534	0.13775	0.086	0.042	1 DC	B3GALT4
ARMCX1.2	0.00355	-0.188	0.118	0.215	1 DC	ARMCX1
CCDC28A.2	0.003558	0.228886	0.225	0.157	1 DC	CCDC28A
CIC.1	0.003559	-0.12972	0.048	0.12	1 DC	CIC
RSF1.1	0.003561	-0.18309	0.294	0.419	1 DC	RSF1
ERI3.1	0.003578	-0.10865	0.241	0.371	1 DC	ERI3
ZBTB41	0.003586	-0.10487	0	0.043	1 DC	ZBTB41
SHF	0.003586	-0.1177	0	0.043	1 DC	SHF
SDCCAG3.2	0.003586	-0.13299	0.032	0.096	1 DC	SDCCAG3
HDAC2.3	0.00359	-0.23327	0.332	0.45	1 DC	HDAC2
PARP2	0.003603	-0.1794	0.043	0.112	1 DC	PARP2
PIP4K2C.1	0.003603	-0.20336	0.043	0.11	1 DC	PIP4K2C
KAT8.2	0.003605	0.212978	0.246	0.175	1 DC	KAT8
ZNF567	0.00361	-0.13371	0.032	0.097	1 DC	ZNF567
SART3.1	0.003624	-0.18006	0.053	0.126	1 DC	SART3
KLHDC2.2	0.003627	-0.17902	0.187	0.304	1 DC	KLHDC2
SPECC1.3	0.003633	-0.14068	0.182	0.298	1 DC	SPECC1
RAB11B.1	0.003635	-0.18798	0.369	0.506	1 DC	RAB11B
UBL3.3	0.003637	0.238626	0.406	0.353	1 DC	UBL3
ST8SIA5	0.003657	-0.12626	0	0.043	1 DC	ST8SIA5
AC005618.	0.003657	-0.14447	0	0.043	1 DC	AC005618.6
MUC12.1	0.003657	-0.1935	0	0.043	1 DC	MUC12
RREB1.3	0.003664	0.193265	0.123	0.071	1 DC	RREB1
TMEM57.3	0.003674	-0.18174	0.091	0.176	1 DC	TMEM57
IGSF21.3	0.003682	-0.28691	0.086	0.165	1 DC	IGSF21
CYB561.2	0.003686	-0.11075	0.021	0.081	1 DC	CYB561
LINC00526	0.003689	-0.11256	0.021	0.08	1 DC	LINC00526
RNF144A	0.003692	-0.13628	0	0.043	1 DC	RNF144A
BCAS1	0.003692	-0.22802	0	0.043	1 DC	BCAS1
PARP1.2	0.003697	-0.22151	0.353	0.474	1 DC	PARP1
ZC4H2.1	0.003707	-0.15127	0.005	0.053	1 DC	ZC4H2
GFPT1.2	0.00371	-0.15269	0.032	0.096	1 DC	GFPT1
VPS52.1	0.003712	-0.16265	0.027	0.088	1 DC	VPS52
CDCA3.2	0.003712	-0.16893	0.005	0.053	1 DC	CDCA3
REPS1.2	0.003717	-0.11264	0.053	0.128	1 DC	REPS1
ACP2.2	0.003727	-0.22083	0.144	0.245	1 DC	ACP2
GMNN.2	0.003729	-0.18021	0.091	0.178	1 DC	GMNN
ZNF561.1	0.003739	-0.1522	0.043	0.112	1 DC	ZNF561

SERINC1	0.003744	-0.21614	0.294	0.42	1 DC	SERINC1
SLC25A1.2	0.003746	-0.12142	0.102	0.196	1 DC	SLC25A1
SERPINB6.	0.003756	0.153748	0.545	0.477	1 DC	SERPINB6
RNF170.1	0.003761	-0.1307	0.08	0.166	1 DC	RNF170
MAPK8IP2	0.003764	-0.12443	0	0.043	1 DC	MAPK8IP2
SUV39H2	0.003772	-0.14589	0.011	0.062	1 DC	SUV39H2
IMPDH2.3	0.003777	0.107234	0.481	0.415	1 DC	IMPDH2
TMOD1.1	0.003782	-0.26755	0.08	0.158	1 DC	TMOD1
BTBD17.2	0.003793	-0.16857	0.005	0.053	1 DC	BTBD17
ANKFY1.1	0.003795	-0.1125	0.059	0.137	1 DC	ANKFY1
INTS12.1	0.003809	-0.15614	0.08	0.166	1 DC	INTS12
STK38.1	0.003814	0.163433	0.123	0.071	1 DC	STK38
IRGQ.1	0.003839	-0.1133	0.027	0.088	1 DC	IRGQ
BEX4.2	0.003854	0.129151	0.561	0.475	1 DC	BEX4
PHF6.2	0.003857	-0.13687	0.086	0.171	1 DC	PHF6
TXLNG.1	0.003861	-0.15971	0.059	0.135	1 DC	TXLNG
PDK3.2	0.003864	0.247312	0.107	0.06	1 DC	PDK3
TOX.3	0.003869	-0.12448	0.027	0.088	1 DC	TOX
MCAM	0.003876	-0.1266	0	0.043	1 DC	MCAM
CKAP2.3	0.003877	-0.17217	0.086	0.17	1 DC	CKAP2
COX14.1	0.003878	0.179822	0.513	0.459	1 DC	COX14
MYLPF	0.003886	0.121493	0.043	0.016	1 DC	MYLPF
EXOG.2	0.003903	-0.13051	0.075	0.157	1 DC	EXOG
PUS7L	0.003906	-0.16342	0.08	0.163	1 DC	PUS7L
MTHFS.1	0.003913	0.25834	0.257	0.188	1 DC	MTHFS
TERF2IP.3	0.00392	-0.21734	0.412	0.519	1 DC	TERF2IP
VTA1	0.00394	-0.14186	0.096	0.185	1 DC	VTA1
CPLX1	0.003951	-0.15558	0	0.043	1 DC	CPLX1
ZNF174.1	0.003954	-0.11194	0.016	0.071	1 DC	ZNF174
RBM6.1	0.003956	-0.17338	0.198	0.315	1 DC	RBM6
SENP2.1	0.003961	-0.12677	0.059	0.134	1 DC	SENP2
SLC39A4.1	0.003967	0.136243	0.15	0.089	1 DC	SLC39A4
SPG20.1	0.003967	-0.19338	0.139	0.239	1 DC	SPG20
PVRL1.2	0.003973	-0.1428	0.011	0.062	1 DC	PVRL1
ZMAT1.2	0.003999	-0.13802	0.032	0.095	1 DC	ZMAT1
YIF1B.1	0.004003	0.243768	0.385	0.332	1 DC	YIF1B
GPBP1L1.3	0.004006	0.328668	0.267	0.205	1 DC	GPBP1L1
UBN2	0.004012	-0.15754	0.043	0.11	1 DC	UBN2
ARAP2.1	0.004027	-0.16972	0.027	0.086	1 DC	ARAP2
NINJ1.3	0.00403	0.117233	0.551	0.45	1 DC	NINJ1
COIL.1	0.004039	-0.14116	0.096	0.187	1 DC	COIL
BCYRN1	0.004041	-0.14138	0.005	0.053	1 DC	BCYRN1
CD99.2	0.004054	-0.29785	0.604	0.638	1 DC	CD99
RSPH3	0.004055	-0.1254	0.021	0.079	1 DC	RSPH3
FICD.1	0.004067	-0.14151	0.021	0.079	1 DC	FICD
AC018647.	0.004068	-0.22761	0	0.042	1 DC	AC018647.3
TMEM145.1	0.004095	-0.14037	0.016	0.07	1 DC	TMEM145
USP31.2	0.004102	-0.12654	0.005	0.052	1 DC	USP31
RPP40.2	0.004106	-0.12666	0.048	0.119	1 DC	RPP40
LIN7A	0.004108	-0.10107	0	0.042	1 DC	LIN7A
GNAZ.1	0.004108	-0.13311	0.011	0.061	1 DC	GNAZ

CHERP	0.004109	-0.1716	0.086	0.17	1 DC	CHERP
CHURC1.1	0.004112	0.149547	0.46	0.4	1 DC	CHURC1
C15orf41	0.004118	-0.13325	0.005	0.052	1 DC	C15orf41
NUDT9.1	0.004122	-0.10823	0.123	0.224	1 DC	NUDT9
HBS1L.1	0.004124	-0.12896	0.102	0.193	1 DC	HBS1L
SDF2	0.004127	-0.16866	0.241	0.358	1 DC	SDF2
PCMTD1.2	0.004135	0.216714	0.219	0.151	1 DC	PCMTD1
GMPR2.1	0.004142	0.304712	0.278	0.214	1 DC	GMPR2
DOLPP1.1	0.004155	-0.16717	0.037	0.102	1 DC	DOLPP1
HSPBAP1.1	0.004163	0.204839	0.123	0.071	1 DC	HSPBAP1
RALGDS.2	0.004177	-0.20151	0.075	0.153	1 DC	RALGDS
PC	0.004179	-0.13207	0.016	0.071	1 DC	PC
MTHFD1L.3	0.004186	0.209878	0.198	0.135	1 DC	MTHFD1L
UMPS.1	0.004189	-0.15841	0.059	0.134	1 DC	UMPS
PTCD3.1	0.00419	-0.18173	0.134	0.231	1 DC	PTCD3
ARMCX2.2	0.004192	-0.20735	0.07	0.148	1 DC	ARMCX2
CSRNP2.1	0.004194	-0.12298	0.027	0.087	1 DC	CSRNP2
PARP6.2	0.004195	-0.12401	0.037	0.104	1 DC	PARP6
NOC2L.2	0.004216	-0.12433	0.193	0.315	1 DC	NOC2L
MAP7D3	0.004216	-0.16491	0.048	0.118	1 DC	MAP7D3
KMT2B.1	0.004225	-0.13942	0.016	0.07	1 DC	KMT2B
SEMA7A	0.004226	0.142787	0.08	0.04	1 DC	SEMA7A
EFCAB7	0.004235	-0.13157	0.016	0.07	1 DC	EFCAB7
RFFL.3	0.004238	-0.14311	0.08	0.166	1 DC	RFFL
TARSL2.2	0.004245	-0.12569	0.043	0.111	1 DC	TARSL2
ZFP37	0.004249	-0.13213	0.005	0.052	1 DC	ZFP37
ANK3.2	0.004253	-0.18356	0.011	0.061	1 DC	ANK3
DHPS.2	0.004259	-0.18326	0.316	0.449	1 DC	DHPS
ZNF92.1	0.004265	-0.17542	0.07	0.147	1 DC	ZNF92
CHMP7.2	0.004268	-0.11428	0.091	0.178	1 DC	CHMP7
GNG7.2	0.00427	-0.25769	0.198	0.301	1 DC	GNG7
CLCF1.1	0.00427	-0.1631	0	0.042	1 DC	CLCF1
ACVR1B.1	0.004277	-0.15543	0.027	0.086	1 DC	ACVR1B
WDR54.3	0.004282	-0.15083	0.134	0.235	1 DC	WDR54
KAT7.1	0.004287	-0.1301	0.07	0.149	1 DC	KAT7
RPS6KB2.2	0.004292	0.200115	0.289	0.226	1 DC	RPS6KB2
ST6GALNAC	0.004306	-0.15486	0.075	0.155	1 DC	ST6GALNAC6
SLC05A1.1	0.004311	-0.14582	0	0.042	1 DC	SLC05A1
RNF213.3	0.004329	0.208031	0.326	0.26	1 DC	RNF213
LRP3	0.004346	-0.12009	0.011	0.061	1 DC	LRP3
PSD2	0.004353	-0.14077	0	0.042	1 DC	PSD2
GLRX5.2	0.004355	-0.17214	0.182	0.298	1 DC	GLRX5
SLC2A1.2	0.004357	-0.2053	0.064	0.139	1 DC	SLC2A1
SECTM1	0.00436	0.185942	0.048	0.019	1 DC	SECTM1
MRI1.1	0.004368	-0.10693	0.043	0.111	1 DC	MRI1
SRP9.1	0.00437	-0.17879	0.599	0.682	1 DC	SRP9
TBC1D1.3	0.004371	0.267143	0.182	0.122	1 DC	TBC1D1
TCEAL3.1	0.004377	-0.21105	0.225	0.344	1 DC	TCEAL3
LINC00672	0.004397	-0.15842	0.005	0.052	1 DC	LINC00672
MAZ.3	0.004412	-0.10848	0.144	0.252	1 DC	MAZ
NDUFV3.1	0.004428	-0.17485	0.278	0.412	1 DC	NDUFV3

ZSWIM4	0.004429	-0.14325	0.005	0.052	1 DC	ZSWIM4
ANAPC7.1	0.004433	-0.12843	0.086	0.173	1 DC	ANAPC7
PQLC3.3	0.004437	0.270246	0.246	0.183	1 DC	PQLC3
NMNAT1	0.004438	-0.15553	0.021	0.078	1 DC	NMNAT1
SALL3	0.004439	-0.10206	0	0.042	1 DC	SALL3
CKMT2-AS1	0.004439	-0.12549	0	0.042	1 DC	CKMT2-AS1
RAPGEF2.1	0.004443	-0.1482	0.016	0.07	1 DC	RAPGEF2
TM9SF2.2	0.004449	0.179165	0.396	0.338	1 DC	TM9SF2
GOSR1.2	0.00445	-0.11059	0.16	0.269	1 DC	GOSR1
HSPB6.2	0.004462	-0.12906	0.011	0.061	1 DC	HSPB6
EVI5L	0.004474	-0.12696	0.011	0.06	1 DC	EVI5L
SAA1.2	0.004475	-0.87009	0.053	0.12	1 DC	SAA1
RNF150.1	0.004482	-0.13779	0	0.041	1 DC	RNF150
DPH3.2	0.004482	-0.14296	0.118	0.215	1 DC	DPH3
TAPBPL.2	0.004496	0.124586	0.187	0.121	1 DC	TAPBPL
RIC8B.1	0.004499	-0.14841	0.032	0.094	1 DC	RIC8B
ZNF585A	0.004504	-0.12013	0.011	0.061	1 DC	ZNF585A
IDH3G.2	0.004512	0.112324	0.465	0.402	1 DC	IDH3G
PCGF5.1	0.004516	0.233327	0.246	0.178	1 DC	PCGF5
ZNF471	0.004526	-0.1047	0	0.041	1 DC	ZNF471
USP2	0.004526	-0.11889	0	0.041	1 DC	USP2
TRPM3.2	0.00453	-0.10646	0.016	0.07	1 DC	TRPM3
ARSD	0.004543	0.224875	0.144	0.09	1 DC	ARSD
AC018816.	0.004557	0.100361	0.037	0.013	1 DC	AC018816.3
ZNF71.1	0.004558	-0.15552	0.027	0.085	1 DC	ZNF71
METTL15.1	0.004563	0.24477	0.187	0.127	1 DC	METTL15
LINC-PINT	0.004564	0.221047	0.166	0.105	1 DC	LINC-PINT
ZNF627	0.004573	-0.10208	0.021	0.078	1 DC	ZNF627
FAM193B.1	0.00458	-0.12541	0.011	0.061	1 DC	FAM193B
RFC1.1	0.004607	-0.18784	0.171	0.278	1 DC	RFC1
SNN.3	0.004618	-0.1795	0.134	0.227	1 DC	SNN
SUCLA2.2	0.004624	-0.19888	0.182	0.289	1 DC	SUCLA2
MSANTD2	0.00463	-0.10474	0.011	0.061	1 DC	MSANTD2
PTCH1	0.004632	-0.11736	0.005	0.051	1 DC	PTCH1
LMCD1.1	0.004641	-0.11912	0.027	0.086	1 DC	LMCD1
POLR2E.2	0.004652	0.12816	0.594	0.534	1 DC	POLR2E
PRPF18.2	0.004656	0.255754	0.198	0.136	1 DC	PRPF18
SP9.2	0.004659	-0.15472	0	0.041	1 DC	SP9
NRSN1.1	0.004664	-0.12923	0.011	0.061	1 DC	NRSN1
PTPN14.1	0.00467	-0.10705	0.016	0.069	1 DC	PTPN14
JPH4	0.004676	-0.12482	0.011	0.061	1 DC	JPH4
LRRC24.1	0.00468	-0.1141	0.016	0.069	1 DC	LRRC24
ZNF180	0.004704	-0.10731	0	0.041	1 DC	ZNF180
RNF169.1	0.004706	-0.11234	0.021	0.078	1 DC	RNF169
POLR3A	0.004734	-0.11571	0.011	0.06	1 DC	POLR3A
GAS8	0.004741	-0.11759	0.016	0.069	1 DC	GAS8
TBC1D14.3	0.004753	-0.19139	0.091	0.173	1 DC	TBC1D14
MTMR4.2	0.004762	-0.14835	0.08	0.162	1 DC	MTMR4
VRK3.2	0.004768	-0.1296	0.123	0.22	1 DC	VRK3
YTHDF3-AS	0.004778	-0.11054	0.011	0.06	1 DC	YTHDF3-AS1
SH3PXD2B.	0.004791	-0.11878	0.048	0.118	1 DC	SH3PXD2B

N6AMT2.1	0.004792	-0.13587	0.059	0.134	1 DC	N6AMT2
C19orf68	0.004796	-0.10634	0	0.041	1 DC	C19orf68
CD163L1	0.004796	-0.1465	0	0.041	1 DC	CD163L1
MARCH6.2	0.0048	-0.21918	0.241	0.359	1 DC	6-Mar
ARHGAP35.	0.004803	-0.12822	0.07	0.147	1 DC	ARHGAP35
STX1A.1	0.004821	-0.16969	0.016	0.068	1 DC	STX1A
EIF5A.1	0.004827	0.104257	0.588	0.526	1 DC	EIF5A
COL8A2	0.004832	0.108192	0.053	0.023	1 DC	COL8A2
AGFG2.1	0.004843	-0.10925	0	0.041	1 DC	AGFG2
OBFC1.1	0.004855	0.227545	0.139	0.086	1 DC	OBFC1
LYPLA1.2	0.004859	0.199013	0.46	0.406	1 DC	LYPLA1
PCF11.2	0.004863	0.2194	0.267	0.203	1 DC	PCF11
HPGDS.3	0.004886	0.109819	0.15	0.088	1 DC	HPGDS
NRG2	0.00489	-0.10546	0	0.041	1 DC	NRG2
NDUFA4L2.	0.00489	-0.17465	0	0.041	1 DC	NDUFA4L2
MED7.1	0.004891	-0.1651	0.048	0.116	1 DC	MED7
PIK3R2.1	0.004898	-0.12539	0.005	0.051	1 DC	PIK3R2
ATP5J2.3	0.004918	-0.19454	0.791	0.808	1 DC	ATP5J2
FERMT1.1	0.004921	-0.17358	0.005	0.05	1 DC	FERMT1
PHLPP1.3	0.004922	-0.13281	0.027	0.086	1 DC	PHLPP1
VPS51.2	0.004933	0.24171	0.321	0.262	1 DC	VPS51
FAM13C	0.004938	-0.13161	0	0.041	1 DC	FAM13C
CA9.1	0.004938	-0.17962	0	0.041	1 DC	CA9
EIF2B3	0.004946	-0.21293	0.091	0.174	1 DC	EIF2B3
FEM1C	0.004952	-0.13042	0.064	0.141	1 DC	FEM1C
UGT8.2	0.004963	-0.23161	0.005	0.05	1 DC	UGT8
PYCRL.1	0.004964	-0.10445	0.005	0.051	1 DC	PYCRL
AEBP2.1	0.004966	-0.11778	0.027	0.085	1 DC	AEBP2
C6orf89.1	0.004968	-0.14591	0.123	0.221	1 DC	C6orf89
FAM129B.1	0.004977	0.154922	0.123	0.073	1 DC	FAM129B
RPUSD2	0.004984	-0.11812	0.016	0.069	1 DC	RPUSD2
PHTF1.2	0.00499	0.270228	0.176	0.12	1 DC	PHTF1
HADHB.1	0.005018	0.131837	0.524	0.46	1 DC	HADHB
TNFRSF12A	0.005025	-0.28282	0.203	0.288	1 DC	TNFRSF12A
ENTPD5.1	0.005031	-0.1071	0.005	0.05	1 DC	ENTPD5
ARX.2	0.005035	-0.14436	0	0.04	1 DC	ARX
PRRT3	0.005062	-0.11397	0.016	0.069	1 DC	PRRT3
EIF4G3.2	0.005065	-0.14521	0.091	0.176	1 DC	EIF4G3
RBM43	0.005073	-0.14025	0.005	0.05	1 DC	RBM43
GIN1.1	0.005075	-0.13094	0.005	0.05	1 DC	GIN1
SLC38A7.2	0.005075	-0.13022	0.043	0.109	1 DC	SLC38A7
MID1	0.00508	-0.10315	0.005	0.051	1 DC	MID1
RABL2A	0.005107	-0.10479	0.021	0.077	1 DC	RABL2A
BECN1.2	0.005119	0.252424	0.289	0.229	1 DC	BECN1
SNAI2	0.005133	-0.10032	0	0.04	1 DC	SNAI2
SLC1A4.3	0.005142	0.181581	0.123	0.072	1 DC	SLC1A4
CHKB.1	0.005149	0.159265	0.102	0.056	1 DC	CHKB
RBM22.1	0.005169	-0.17047	0.193	0.304	1 DC	RBM22
TMEM119.3	0.005169	-0.25573	0.043	0.106	1 DC	TMEM119
KIFC2	0.005171	-0.1042	0.016	0.068	1 DC	KIFC2
SLC8B1.3	0.005173	0.162479	0.155	0.097	1 DC	SLC8B1



RTN1. 2	0.005175	0.252568	0.203	0.142	1 DC	RTN1
ZNF501	0.005183	-0.12007	0	0.04	1 DC	ZNF501
HDAC3. 2	0.005195	0.246141	0.321	0.262	1 DC	HDAC3
RDH14	0.005196	-0.13865	0.102	0.189	1 DC	RDH14
PIFO. 1	0.005198	-0.21824	0.005	0.05	1 DC	PIFO
EIF4E. 2	0.005201	0.125667	0.529	0.488	1 DC	EIF4E
KDM5C. 2	0.00521	-0.1332	0.043	0.109	1 DC	KDM5C
BOLA3-AS1	0.005234	-0.10813	0	0.04	1 DC	BOLA3-AS1
MAL. 2	0.005234	-0.26721	0	0.04	1 DC	MAL
TSHZ2. 1	0.005256	-0.16693	0.005	0.05	1 DC	TSHZ2
ZNF446	0.005265	-0.12776	0.021	0.076	1 DC	ZNF446
TARBP2. 1	0.005278	-0.10535	0.07	0.148	1 DC	TARBP2
SOD3. 1	0.005285	-0.10471	0	0.04	1 DC	SOD3
BRSK2	0.005285	-0.10995	0	0.04	1 DC	BRSK2
RALA. 2	0.005298	0.27506	0.406	0.359	1 DC	RALA
CBX4. 3	0.005323	-0.13438	0.048	0.116	1 DC	CBX4
SYNE1	0.005326	-0.14889	0.053	0.124	1 DC	SYNE1
ERBB4. 2	0.00533	-0.15221	0.011	0.059	1 DC	ERBB4
HOTAIRM1.	0.005334	0.228575	0.257	0.181	1 DC	HOTAIRM1
ADAM19. 2	0.005342	0.230161	0.128	0.079	1 DC	ADAM19
MLH3	0.005352	-0.18175	0.043	0.107	1 DC	MLH3
APTX. 2	0.005354	-0.11526	0.064	0.14	1 DC	APTX
CENPA. 3	0.005365	-0.15303	0.005	0.05	1 DC	CENPA
HIST2H2AA	0.005367	0.125481	0.112	0.062	1 DC	HIST2H2AA3
NR1D1. 2	0.005375	-0.13555	0.005	0.05	1 DC	NR1D1
WDYHV1. 1	0.005385	-0.19562	0.053	0.122	1 DC	WDYHV1
DDX25	0.005388	-0.12169	0	0.04	1 DC	DDX25
C15orf61.	0.005405	-0.14016	0.091	0.175	1 DC	C15orf61
NEDD4L. 3	0.005406	-0.19348	0.048	0.114	1 DC	NEDD4L
SPATA5L1.	0.005417	-0.10621	0.011	0.059	1 DC	SPATA5L1
CHRNA9	0.005421	-0.11875	0.005	0.05	1 DC	CHRNA9
ST3GAL5. 1	0.005478	-0.21183	0.107	0.192	1 DC	ST3GAL5
MYT1. 1	0.005494	-0.14155	0	0.04	1 DC	MYT1
RNF34. 1	0.005497	-0.11215	0.107	0.196	1 DC	RNF34
STX2. 2	0.005498	-0.10898	0.043	0.109	1 DC	STX2
SARNP	0.005505	0.212661	0.182	0.121	1 DC	SARNP
PIGH. 1	0.005516	-0.18263	0.118	0.209	1 DC	PIGH
ZSCAN32	0.005519	-0.11805	0.016	0.068	1 DC	ZSCAN32
PANK3. 1	0.005521	-0.14658	0.048	0.115	1 DC	PANK3
ZNF106. 3	0.005532	0.248661	0.316	0.256	1 DC	ZNF106
NXF1. 2	0.005539	0.241485	0.262	0.197	1 DC	NXF1
SYNJ2BP. 2	0.005552	-0.18549	0.07	0.145	1 DC	SYNJ2BP
NME5. 1	0.005576	-0.10391	0.005	0.05	1 DC	NME5
NFATC1. 3	0.005577	0.131901	0.096	0.052	1 DC	NFATC1
CDK2. 1	0.005578	-0.12799	0.027	0.085	1 DC	CDK2
PCP4. 1	0.005601	-0.213	0	0.039	1 DC	PCP4
RASSF4. 3	0.005613	0.131436	0.412	0.328	1 DC	RASSF4
ZHX1. 2	0.00563	-0.15294	0.118	0.211	1 DC	ZHX1
CHST13	0.005633	0.112843	0.043	0.017	1 DC	CHST13
ADCY2. 1	0.005656	-0.10912	0	0.039	1 DC	ADCY2
GS1-124K5	0.005666	-0.1828	0.048	0.115	1 DC	GS1-124K5. 4

FANCL. 1	0.005671	-0.1016	0.07	0.144	1 DC	FANCL
ANKRD36C.	0.005674	-0.18883	0.086	0.163	1 DC	ANKRD36C
SLC12A7	0.005721	0.159224	0.08	0.041	1 DC	SLC12A7
GAS6. 3	0.005724	0.125413	0.289	0.203	1 DC	GAS6
EIF5AL1. 1	0.005735	0.233476	0.176	0.119	1 DC	EIF5AL1
STARD13. 1	0.005747	-0.12684	0.005	0.049	1 DC	STARD13
WBSCR16. 2	0.005747	-0.11821	0.07	0.146	1 DC	WBSCR16
ZCCHC7. 1	0.005753	-0.14199	0.07	0.144	1 DC	ZCCHC7
LUZP2	0.00576	-0.15173	0.005	0.049	1 DC	LUZP2
FAM63B	0.005761	-0.11213	0.112	0.206	1 DC	FAM63B
FDXACB1	0.005766	-0.12489	0	0.039	1 DC	FDXACB1
FANCF. 1	0.005776	-0.11555	0.032	0.093	1 DC	FANCF
BCS1L. 1	0.005778	-0.10467	0.086	0.167	1 DC	BCS1L
TGFB2. 2	0.005781	-0.11175	0.016	0.068	1 DC	TGFB2
MLF2. 3	0.005799	-0.22088	0.524	0.61	1 DC	MLF2
GOLGA4. 1	0.005805	-0.21193	0.241	0.348	1 DC	GOLGA4
FAM8A1	0.005806	-0.11254	0.027	0.084	1 DC	FAM8A1
ATOX1. 3	0.005812	-0.216	0.513	0.606	1 DC	ATOX1
CHRNB1. 2	0.005846	-0.20965	0.075	0.15	1 DC	CHRNB1
ELK4. 1	0.005848	-0.10557	0.043	0.108	1 DC	ELK4
PGAM2. 2	0.005856	-0.21602	0.005	0.049	1 DC	PGAM2
TBCC. 3	0.005865	-0.19769	0.134	0.223	1 DC	TBCC
ZNF93	0.005926	-0.1214	0.011	0.058	1 DC	ZNF93
C1orf53. 1	0.005926	-0.12847	0.027	0.084	1 DC	C1orf53
EIF5A2	0.005927	-0.1172	0.011	0.058	1 DC	EIF5A2
ARHGAP11A	0.005937	-0.1079	0	0.039	1 DC	ARHGAP11A
ZNF595. 1	0.005937	-0.14382	0.021	0.075	1 DC	ZNF595
STAM. 1	0.00594	-0.11538	0.037	0.1	1 DC	STAM
TOMM22. 3	0.005948	0.150196	0.513	0.468	1 DC	TOMM22
JAGN1. 2	0.005978	-0.1932	0.203	0.322	1 DC	JAGN1
ZFR2	0.005994	-0.13183	0	0.039	1 DC	ZFR2
FABP6. 2	0.005994	-0.15129	0	0.039	1 DC	FABP6
SRPX2. 1	0.005997	-0.14088	0.011	0.058	1 DC	SRPX2
IZUMO4. 1	0.006011	-0.1103	0.016	0.067	1 DC	IZUMO4
DHFRL1	0.006013	-0.10489	0.016	0.067	1 DC	DHFRL1
TUBGCP2. 3	0.006014	0.205756	0.273	0.211	1 DC	TUBGCP2
SHB. 1	0.006036	-0.10103	0.011	0.058	1 DC	SHB
ARMC1. 2	0.006057	-0.11429	0.16	0.266	1 DC	ARMC1
DHODH. 2	0.006081	-0.17322	0.027	0.083	1 DC	DHODH
FOXO3. 3	0.006105	0.235081	0.332	0.271	1 DC	FOXO3
LZTFL1. 1	0.006107	-0.12366	0.021	0.075	1 DC	LZTFL1
LRRC42. 1	0.00611	-0.13956	0.07	0.145	1 DC	LRRC42
LYRM5. 1	0.006111	-0.19388	0.23	0.343	1 DC	LYRM5
CDK16. 1	0.006117	-0.14657	0.139	0.237	1 DC	CDK16
PDZRN3. 1	0.00612	-0.13387	0.011	0.058	1 DC	PDZRN3
DGKG. 1	0.006122	-0.10468	0.005	0.049	1 DC	DGKG
LYRM7. 1	0.006131	-0.16417	0.112	0.203	1 DC	LYRM7
AZGP1. 1	0.006133	-0.24154	0.011	0.057	1 DC	AZGP1
RP11-635N	0.006162	-0.1224	0.011	0.058	1 DC	RP11-635N19. 1
FAH. 2	0.006173	0.278841	0.219	0.157	1 DC	FAH
CHKA. 3	0.006195	0.232796	0.246	0.186	1 DC	CHKA

ZNF738.3	0.006202	-0.14137	0.07	0.145	1 DC	ZNF738
FAM169A	0.00622	-0.10768	0.005	0.049	1 DC	FAM169A
ZCCHC3.2	0.006237	-0.11029	0.043	0.107	1 DC	ZCCHC3
UBN1.3	0.006239	-0.10572	0.086	0.168	1 DC	UBN1
TBC1D17.1	0.006253	-0.14801	0.08	0.156	1 DC	TBC1D17
MSRA.2	0.006256	0.244824	0.321	0.255	1 DC	MSRA
USP54.1	0.00628	-0.16425	0.005	0.048	1 DC	USP54
CLDND1.1	0.006282	-0.28647	0.273	0.395	1 DC	CLDND1
CTD-2139E	0.006287	0.107138	0.037	0.014	1 DC	CTD-2139B15.2
RP2.3	0.006291	0.134669	0.128	0.076	1 DC	RP2
AC093627.	0.006293	0.103502	0.043	0.017	1 DC	AC093627.10
BGN.2	0.006327	-0.27104	0.016	0.065	1 DC	BGN
ZC3H7B	0.006347	-0.13381	0.043	0.107	1 DC	ZC3H7B
C3orf18	0.006353	-0.10196	0	0.038	1 DC	C3orf18
RORB	0.006353	-0.14241	0	0.038	1 DC	RORB
ERBB3.1	0.006353	-0.17821	0	0.038	1 DC	ERBB3
DLGAP4	0.006354	-0.12021	0.182	0.295	1 DC	DLGAP4
TACC2	0.006361	-0.10529	0.011	0.058	1 DC	TACC2
SETD6.1	0.006364	-0.11877	0.032	0.091	1 DC	SETD6
MIS12.1	0.00637	-0.16836	0.07	0.143	1 DC	MIS12
ZDHHC17.1	0.006372	-0.13226	0.043	0.106	1 DC	ZDHHC17
PLOD3.1	0.006395	-0.15116	0.128	0.219	1 DC	PLOD3
PPIL6.2	0.006404	-0.11694	0.005	0.048	1 DC	PPIL6
NCAN.1	0.006411	-0.20617	0.027	0.081	1 DC	NCAN
PMVK.1	0.006432	-0.21763	0.31	0.439	1 DC	PMVK
DDR2.1	0.006436	-0.12004	0.011	0.058	1 DC	DDR2
HECTD2	0.00645	-0.11904	0.005	0.048	1 DC	HECTD2
DIP2B.3	0.006451	-0.16446	0.053	0.12	1 DC	DIP2B
DNAJC19.3	0.006454	-0.15487	0.262	0.391	1 DC	DNAJC19
PROSER1.2	0.006461	-0.11338	0.021	0.075	1 DC	PROSER1
BCL7A.3	0.006463	-0.13951	0.075	0.151	1 DC	BCL7A
VWA3B	0.006478	-0.10244	0	0.038	1 DC	VWA3B
BTBD6	0.006478	-0.10397	0	0.038	1 DC	BTBD6
THBS2	0.006478	-0.12837	0	0.038	1 DC	THBS2
THYN1.2	0.006504	-0.24642	0.294	0.408	1 DC	THYN1
NCDN	0.006517	-0.10992	0.032	0.091	1 DC	NCDN
RCAN1.3	0.006538	-0.28099	0.171	0.27	1 DC	RCAN1
SCHIP1	0.006541	-0.10648	0	0.038	1 DC	SCHIP1
PIK3R4	0.006541	-0.1093	0	0.038	1 DC	PIK3R4
TOPORS-AS	0.006549	-0.19361	0.075	0.148	1 DC	TOPORS-AS1
ZC3H13.3	0.006552	-0.16115	0.225	0.336	1 DC	ZC3H13
C6orf203.	0.006556	-0.165	0.086	0.167	1 DC	C6orf203
PCOLCE.2	0.006561	-0.19624	0.027	0.082	1 DC	PCOLCE
COA6.1	0.006567	-0.10898	0.171	0.278	1 DC	COA6
ZNF275.1	0.006572	-0.12066	0.011	0.057	1 DC	ZNF275
CTBP1.2	0.006576	-0.11879	0.128	0.224	1 DC	CTBP1
NKTR.1	0.006581	-0.21291	0.246	0.359	1 DC	NKTR
RTN4.3	0.006605	-0.13641	0.738	0.699	1 DC	RTN4
COQ6.1	0.006611	-0.12765	0.043	0.107	1 DC	COQ6
C17orf97	0.006614	-0.10685	0.011	0.057	1 DC	C17orf97
PRIM1.2	0.006616	-0.12076	0.027	0.082	1 DC	PRIM1

SLC7A6OS.	0.006623	-0.1628	0.064	0.135	1 DC	SLC7A6OS
TMEM256.1	0.006641	0.118435	0.497	0.429	1 DC	TMEM256
BAG1.2	0.006642	0.181464	0.412	0.351	1 DC	BAG1
ASL.2	0.006653	0.193451	0.235	0.17	1 DC	ASL
ARHGAP33.	0.006659	-0.10779	0.027	0.083	1 DC	ARHGAP33
TNK2.2	0.006664	-0.12518	0.059	0.128	1 DC	TNK2
CDC37	0.006665	0.107354	0.583	0.543	1 DC	CDC37
NECAB1.2	0.006669	-0.1759	0	0.038	1 DC	NECAB1
F11R.2	0.006675	0.129159	0.102	0.056	1 DC	F11R
SLC39A3.2	0.006701	-0.15478	0.225	0.34	1 DC	SLC39A3
SIAE.1	0.006709	-0.11017	0.032	0.091	1 DC	SIAE
FNDC3A.2	0.006714	-0.13009	0.123	0.216	1 DC	FNDC3A
PRKAR2A.1	0.006725	-0.10523	0.15	0.25	1 DC	PRKAR2A
FAM124A	0.006734	-0.1296	0	0.038	1 DC	FAM124A
WDR19.2	0.006746	-0.11517	0.005	0.048	1 DC	WDR19
DSTYK.1	0.00676	-0.12198	0.053	0.122	1 DC	DSTYK
RGS11	0.00677	-0.10082	0.005	0.048	1 DC	RGS11
THUMPD3	0.006788	-0.12541	0.107	0.195	1 DC	THUMPD3
AARSD1	0.006789	-0.12822	0.043	0.106	1 DC	AARSD1
UBAP2L	0.006792	-0.10121	0.123	0.218	1 DC	UBAP2L
HIST1H2AC	0.006801	-0.2489	0.091	0.168	1 DC	HIST1H2AC
ZNF568.1	0.006809	-0.12507	0.037	0.099	1 DC	ZNF568
GIT1.1	0.006824	-0.10442	0.043	0.107	1 DC	GIT1
APITD1	0.006829	-0.10951	0.027	0.083	1 DC	APITD1
RND1	0.006836	-0.18215	0.016	0.065	1 DC	RND1
WDR12.1	0.006839	-0.13462	0.07	0.144	1 DC	WDR12
USB1.2	0.006842	0.310013	0.283	0.229	1 DC	USB1
TMEM79	0.006843	-0.12354	0.011	0.057	1 DC	TMEM79
ZDHHC7.3	0.006844	0.240918	0.203	0.146	1 DC	ZDHHC7
C1QTNF4.1	0.006844	-0.13385	0.011	0.057	1 DC	C1QTNF4
PRNP.2	0.006849	-0.22878	0.342	0.467	1 DC	PRNP
HOXA-AS2	0.006866	-0.14067	0	0.038	1 DC	HOXA-AS2
UBQLN2.3	0.006868	-0.10328	0.128	0.222	1 DC	UBQLN2
PPP5D1.2	0.006886	-0.11738	0.005	0.048	1 DC	PPP5D1
SIRT2.3	0.006894	-0.2435	0.294	0.418	1 DC	SIRT2
ASPM.3	0.006895	-0.15363	0.005	0.047	1 DC	ASPM
ETFA.2	0.006897	0.193809	0.417	0.371	1 DC	ETFA
NPEPL1.1	0.006902	-0.11794	0.043	0.106	1 DC	NPEPL1
CTC-459F4	0.006911	-0.12126	0.016	0.066	1 DC	CTC-459F4.3
ST6GAL2.1	0.006933	-0.11553	0	0.038	1 DC	ST6GAL2
APLP2.3	0.006982	0.101311	0.658	0.592	1 DC	APLP2
SPAG9.2	0.007014	-0.10381	0.235	0.355	1 DC	SPAG9
APO0.2	0.007021	-0.13222	0.134	0.23	1 DC	APO0
GANAB.2	0.007021	-0.17042	0.171	0.274	1 DC	GANAB
CYP46A1	0.007044	-0.11253	0.005	0.047	1 DC	CYP46A1
GPALPP1.1	0.007044	-0.12869	0.053	0.121	1 DC	GPALPP1
ZSCAN16-A	0.007056	-0.18598	0.16	0.259	1 DC	ZSCAN16-AS1
RFC5	0.007066	-0.11597	0.032	0.091	1 DC	RFC5
TIGD1	0.007111	-0.12747	0.016	0.065	1 DC	TIGD1
TSN.1	0.007127	-0.17718	0.262	0.379	1 DC	TSN
SH3D21	0.007136	0.131075	0.053	0.023	1 DC	SH3D21

MTFR1. 1	0.007155	-0.14185	0.037	0.097	1 DC	MTFR1
PET117	0.007159	-0.11459	0.096	0.181	1 DC	PET117
SLC39A7	0.007162	-0.178	0.198	0.307	1 DC	SLC39A7
TXNDC16. 1	0.00717	-0.13074	0.011	0.056	1 DC	TXNDC16
CALCOCO2. AR	0.007177	0.209834	0.251	0.192	1 DC	CALCOCO2
AR	0.00718	-0.10719	0.005	0.047	1 DC	AR
HPCAL1. 3	0.007181	0.287394	0.267	0.209	1 DC	HPCAL1
METTL21B.	0.007188	-0.10451	0.016	0.066	1 DC	METTL21B
FBX05	0.007191	-0.13155	0.037	0.097	1 DC	FBX05
PXN-AS1	0.007193	-0.12466	0.027	0.082	1 DC	PXN-AS1
DISC1. 2	0.007204	0.14634	0.086	0.045	1 DC	DISC1
CCNF	0.007207	-0.10238	0	0.037	1 DC	CCNF
NYAP1. 1	0.007207	-0.11625	0	0.037	1 DC	NYAP1
CGRRF1. 2	0.00721	-0.1007	0.086	0.165	1 DC	CGRRF1
PRKD2. 1	0.007228	-0.13379	0.027	0.081	1 DC	PRKD2
HEATR5A. 1	0.00724	-0.1452	0.027	0.082	1 DC	HEATR5A
DEGS1. 1	0.007257	0.138931	0.508	0.459	1 DC	DEGS1
AP2A2. 3	0.007258	-0.18615	0.16	0.253	1 DC	AP2A2
MED20	0.007258	-0.10965	0.011	0.056	1 DC	MED20
TFAP2A	0.007278	-0.12883	0	0.037	1 DC	TFAP2A
SLC16A1-A	0.007298	-0.16464	0.005	0.047	1 DC	SLC16A1-AS1
BDNF-AS. 2	0.007309	-0.12232	0.016	0.065	1 DC	BDNF-AS
TMPO. 3	0.007312	0.27493	0.257	0.193	1 DC	TMPO
WFS1	0.00733	-0.12753	0.011	0.056	1 DC	WFS1
RAD50	0.007332	-0.12498	0.16	0.267	1 DC	RAD50
NGFR	0.007349	-0.1309	0	0.037	1 DC	NGFR
MAP3K2. 3	0.00735	0.241562	0.257	0.199	1 DC	MAP3K2
ZNF22. 2	0.007396	-0.17127	0.176	0.277	1 DC	ZNF22
CA8. 2	0.007409	-0.18442	0.011	0.056	1 DC	CA8
BRMS1. 2	0.007409	0.258684	0.358	0.31	1 DC	BRMS1
THRAP3. 3	0.007424	0.158556	0.497	0.437	1 DC	THRAP3
GTPBP10. 1	0.007445	-0.15249	0.037	0.097	1 DC	GTPBP10
APH1A. 1	0.007458	0.122211	0.54	0.484	1 DC	APH1A
SAR1A. 3	0.007465	0.190967	0.364	0.297	1 DC	SAR1A
NEK1	0.007492	-0.13954	0.059	0.127	1 DC	NEK1
PSORS1C1.	0.007492	-0.137	0	0.037	1 DC	PSORS1C1
CYB5R3. 2	0.007499	0.207771	0.406	0.36	1 DC	CYB5R3
C12orf45.	0.007511	0.253092	0.235	0.177	1 DC	C12orf45
SPRTN. 1	0.007517	-0.12849	0.059	0.127	1 DC	SPRTN
FGD5-AS1.	0.00755	-0.12628	0.198	0.314	1 DC	FGD5-AS1
SNRPD3. 3	0.007587	0.149535	0.46	0.413	1 DC	SNRPD3
SLC25A40.	0.007601	0.181772	0.107	0.062	1 DC	SLC25A40
FBLIM1	0.007602	-0.15378	0.032	0.09	1 DC	FBLIM1
NUDT5. 2	0.007651	0.222627	0.358	0.305	1 DC	NUDT5
CISD1. 3	0.007652	-0.24657	0.23	0.338	1 DC	CISD1
CCDC97	0.007662	-0.103	0.043	0.105	1 DC	CCDC97
RRP7A. 3	0.007672	0.143839	0.353	0.286	1 DC	RRP7A
NABP2. 2	0.007683	-0.1244	0.171	0.278	1 DC	NABP2
ZNF44. 1	0.007701	-0.11068	0.043	0.105	1 DC	ZNF44
TNR. 2	0.007704	-0.18612	0.011	0.055	1 DC	TNR
CSNK1A1. 3	0.007705	0.117948	0.631	0.557	1 DC	CSNK1A1

ANKZF1.1	0.007713	-0.12911	0.064	0.135	1 DC	ANKZF1
RCOR2.1	0.007734	-0.12236	0.005	0.046	1 DC	RCOR2
TTC21B	0.0078	-0.10189	0.005	0.047	1 DC	TTC21B
EXOSC8.2	0.00782	-0.20705	0.187	0.291	1 DC	EXOSC8
AC084219.	0.007865	-0.10713	0	0.036	1 DC	AC084219.4
COCH	0.007865	-0.1425	0	0.036	1 DC	COCH
RECQL.2	0.007866	0.216841	0.23	0.172	1 DC	RECQL
CSE1L.2	0.007883	-0.16514	0.134	0.224	1 DC	CSE1L
OTUD6B.1	0.007906	-0.1048	0.053	0.12	1 DC	OTUD6B
SLC41A3	0.007937	-0.15323	0.075	0.148	1 DC	SLC41A3
LINGO1	0.007942	-0.11482	0	0.036	1 DC	LINGO1
C1orf123.	0.007956	-0.2309	0.23	0.343	1 DC	C1orf123
EPHB1	0.007969	-0.11308	0.005	0.046	1 DC	EPHB1
C11orf57	0.008	-0.15566	0.08	0.155	1 DC	C11orf57
KCND2	0.008019	-0.10964	0	0.036	1 DC	KCND2
TCEAL6	0.008019	-0.15598	0	0.036	1 DC	TCEAL6
CC2D1A.2	0.008031	-0.1107	0.102	0.188	1 DC	CC2D1A
EHD4.3	0.008061	0.13903	0.144	0.09	1 DC	EHD4
TMC7	0.008072	-0.10517	0.005	0.046	1 DC	TMC7
TMOD2.2	0.008082	-0.13729	0.048	0.111	1 DC	TMOD2
KCNN2	0.008097	-0.10034	0	0.036	1 DC	KCNN2
MOBP.2	0.008097	-0.31577	0	0.036	1 DC	MOBP
ANGPT2.1	0.008098	-0.15794	0.005	0.046	1 DC	ANGPT2
CDC14B	0.008115	-0.10283	0.016	0.064	1 DC	CDC14B
MMS22L.1	0.008117	-0.13143	0.016	0.064	1 DC	MMS22L
GAN.1	0.008132	-0.10328	0.07	0.143	1 DC	GAN
SMARCC2.2	0.008143	-0.1685	0.166	0.265	1 DC	SMARCC2
ZNF236.1	0.008164	-0.12692	0.021	0.072	1 DC	ZNF236
TMEM63A.2	0.008166	-0.19112	0.021	0.071	1 DC	TMEM63A
ABCE1.1	0.008222	-0.1695	0.155	0.252	1 DC	ABCE1
CHD2.3	0.008248	0.269793	0.342	0.291	1 DC	CHD2
MAF1.3	0.008275	0.135549	0.476	0.427	1 DC	MAF1
SFSWAP.2	0.00829	-0.13446	0.096	0.178	1 DC	SFSWAP
RCAN3.3	0.008292	0.166663	0.102	0.058	1 DC	RCAN3
VPS36.2	0.008319	0.198855	0.262	0.2	1 DC	VPS36
TTLL5	0.008339	-0.10467	0.011	0.055	1 DC	TTLL5
ERN1.1	0.008347	0.18221	0.096	0.054	1 DC	ERN1
DZIP3.1	0.008353	-0.16612	0.064	0.132	1 DC	DZIP3
CKAP2L.2	0.00836	-0.11001	0.005	0.046	1 DC	CKAP2L
NAPA.1	0.008365	0.143435	0.444	0.393	1 DC	NAPA
APBA3.1	0.008388	-0.1095	0.032	0.089	1 DC	APBA3
TRAF3IP2-	0.0084	-0.1121	0.027	0.081	1 DC	TRAF3IP2-AS1
ALG6.1	0.008402	-0.11866	0.043	0.104	1 DC	ALG6
ULK3.2	0.008404	-0.13093	0.075	0.147	1 DC	ULK3
HMBOX1.2	0.008434	-0.18123	0.112	0.194	1 DC	HMBOX1
MVB12A.1	0.008472	-0.19175	0.198	0.304	1 DC	MVB12A
DHX57	0.008486	-0.12713	0.037	0.096	1 DC	DHX57
ARL6IP1.2	0.008487	-0.19113	0.701	0.743	1 DC	ARL6IP1
TRPT1.1	0.008492	-0.19525	0.134	0.225	1 DC	TRPT1
COA7.1	0.0085	-0.14226	0.016	0.064	1 DC	COA7
DLGAP5.2	0.0085	-0.11307	0	0.036	1 DC	DLGAP5

RP11-315A	0.0085	-0.11325	0	0.036	1 DC	RP11-315A16.1
PPFIA1	0.008523	-0.14117	0.091	0.168	1 DC	PPFIA1
PNPT1.1	0.00855	-0.15294	0.112	0.198	1 DC	PNPT1
GPR19	0.008578	-0.15026	0.005	0.046	1 DC	GPR19
KIAA1147.	0.008588	-0.12574	0.021	0.072	1 DC	KIAA1147
IGF1.2	0.008607	-0.24375	0.016	0.062	1 DC	IGF1
CCP110.2	0.008613	-0.1447	0.059	0.125	1 DC	CCP110
SENP7.1	0.008626	-0.13237	0.032	0.087	1 DC	SENP7
BRD4.2	0.008628	-0.15815	0.219	0.329	1 DC	BRD4
DYNLT1.1	0.008643	-0.1801	0.545	0.63	1 DC	DYNLT1
TTC9C.2	0.008648	-0.16585	0.096	0.176	1 DC	TTC9C
MYBL2.2	0.008658	-0.10449	0.005	0.046	1 DC	MYBL2
TMC01.2	0.008734	-0.2286	0.455	0.577	1 DC	TMC01
SLC2A8.2	0.008741	-0.13441	0.07	0.14	1 DC	SLC2A8
LINC00599	0.008751	-0.13581	0	0.035	1 DC	LINC00599
MFHAS1.1	0.008753	-0.10715	0.016	0.063	1 DC	MFHAS1
MAX.1	0.008755	0.191995	0.353	0.293	1 DC	MAX
VPS13A	0.00877	-0.10741	0.027	0.08	1 DC	VPS13A
IL33.1	0.008771	-0.11201	0.005	0.046	1 DC	IL33
UBAC2.2	0.008809	0.237599	0.326	0.27	1 DC	UBAC2
NR2F2.1	0.008813	-0.13279	0.005	0.045	1 DC	NR2F2
ZNF790	0.008819	-0.12052	0.037	0.096	1 DC	ZNF790
TTL4	0.008825	-0.118	0.021	0.072	1 DC	TTL4
NR1H3	0.008837	-0.15934	0.011	0.054	1 DC	NR1H3
ZNF574.2	0.008839	-0.11385	0.032	0.088	1 DC	ZNF574
NFS1.1	0.008844	-0.10555	0.064	0.135	1 DC	NFS1
TNFRSF11E	0.008853	-0.1652	0.011	0.054	1 DC	TNFRSF11B
DNAJB9.2	0.008879	0.102645	0.46	0.384	1 DC	DNAJB9
TIMELESS.	0.008908	-0.12036	0.016	0.063	1 DC	TIMELESS
POLR2K	0.008927	-0.17263	0.364	0.491	1 DC	POLR2K
LARP4B.2	0.008932	0.161091	0.139	0.089	1 DC	LARP4B
SUCLG2.1	0.008943	0.18991	0.305	0.244	1 DC	SUCLG2
GCNT1	0.00896	0.112276	0.053	0.024	1 DC	GCNT1
HAMP.3	0.008973	-0.42353	0.096	0.162	1 DC	HAMP
IL11RA.1	0.008994	-0.10692	0.016	0.063	1 DC	IL11RA
TSGA10.1	0.009056	-0.13064	0.016	0.063	1 DC	TSGA10
NPEPPS	0.00907	-0.13194	0.134	0.226	1 DC	NPEPPS
NUDT22.2	0.009079	0.171941	0.326	0.269	1 DC	NUDT22
ZC3H14.2	0.009087	-0.14187	0.118	0.204	1 DC	ZC3H14
DHRS1	0.009125	-0.15283	0.08	0.156	1 DC	DHRS1
CDC23.1	0.009151	-0.14271	0.059	0.126	1 DC	CDC23
APOPT1.1	0.009223	-0.22376	0.267	0.383	1 DC	APOPT1
FAR2.1	0.00923	0.236522	0.096	0.055	1 DC	FAR2
NAA15.1	0.009241	-0.15863	0.128	0.217	1 DC	NAA15
CELSR3	0.009277	-0.1001	0	0.035	1 DC	CELSR3
MR1.1	0.009303	0.196487	0.139	0.088	1 DC	MR1
PSMC3IP.2	0.009341	-0.11206	0.021	0.071	1 DC	PSMC3IP
ZBTB37	0.009361	-0.10276	0.011	0.054	1 DC	ZBTB37
MAST2	0.009379	-0.124	0.021	0.07	1 DC	MAST2
ALKBH5.2	0.009382	-0.15293	0.219	0.325	1 DC	ALKBH5
C21orf58.	0.009392	-0.10658	0.011	0.054	1 DC	C21orf58

TIMM21. 2	0. 009397	-0. 14592	0. 075	0. 148	1 DC	TIMM21
ENOSF1. 3	0. 009417	-0. 12561	0. 059	0. 126	1 DC	ENOSF1
BLOC1S5. 1	0. 009429	-0. 13042	0. 027	0. 079	1 DC	BLOC1S5
CAD	0. 009449	-0. 10904	0. 011	0. 054	1 DC	CAD
FBXL15. 3	0. 009461	0. 209709	0. 257	0. 194	1 DC	FBXL15
SLC25A44. 0	0. 009489	-0. 11234	0. 037	0. 095	1 DC	SLC25A44
NBPF12	0. 009551	-0. 10116	0	0. 035	1 DC	NBPF12
RUNX1T1	0. 009551	-0. 10128	0	0. 035	1 DC	RUNX1T1
ABCG1. 3	0. 009555	0. 120382	0. 198	0. 13	1 DC	ABCG1
CHMP4A. 2	0. 009624	0. 108759	0. 524	0. 467	1 DC	CHMP4A
SLITRK2	0. 009644	-0. 10904	0	0. 035	1 DC	SLITRK2
FAM45A. 2	0. 009659	-0. 16774	0. 112	0. 192	1 DC	FAM45A
RAB5B. 2	0. 009675	-0. 12538	0. 128	0. 215	1 DC	RAB5B
EXOC6B. 1	0. 009685	-0. 10284	0. 016	0. 063	1 DC	EXOC6B
MYOM2	0. 009712	-0. 11401	0. 005	0. 045	1 DC	MYOM2
MARVELD1. 0	0. 009751	0. 161187	0. 075	0. 039	1 DC	MARVELD1
ZNF222. 1	0. 009769	-0. 11079	0. 011	0. 054	1 DC	ZNF222
HGS. 2	0. 009779	-0. 10363	0. 128	0. 218	1 DC	HGS
PDE3B. 1	0. 009802	0. 156392	0. 075	0. 039	1 DC	PDE3B
DNMT3A. 2	0. 009812	-0. 13789	0. 043	0. 101	1 DC	DNMT3A
SCRN1. 2	0. 009812	-0. 15542	0. 102	0. 181	1 DC	SCRN1
LINC00237	0. 009834	-0. 10297	0	0. 034	1 DC	LINC00237
NDUF4F4. 1	0. 009886	-0. 13069	0. 134	0. 223	1 DC	NDUF4F4
COQ10B. 2	0. 009902	0. 253626	0. 316	0. 262	1 DC	COQ10B
RP11-102N	0. 009929	0. 1037	0. 043	0. 018	1 DC	RP11-102N12. 3
PPHLN1. 1	0. 009932	0. 225406	0. 406	0. 366	1 DC	PPHLN1
ACHE	0. 009967	-0. 1194	0. 005	0. 044	1 DC	ACHE
SASS6	0. 009968	-0. 12225	0. 016	0. 062	1 DC	SASS6
OSBPL8. 3	0. 00997	0. 202751	0. 358	0. 311	1 DC	OSBPL8
LGALS8. 2	0. 009986	0. 192419	0. 209	0. 151	1 DC	LGALS8
PHC1. 1	0. 009991	-0. 10489	0. 027	0. 079	1 DC	PHC1
RAB40B. 3	0. 009998	-0. 11355	0. 064	0. 131	1 DC	RAB40B
CD83. 4	0	1. 37207	0. 819	0. 189	0 M1	CD83
IL1B. 4	0	1. 318572	0. 645	0. 136	0 M1	IL1B
OLR1. 4	0	1. 31801	0. 762	0. 147	0 M1	OLR1
GPR183. 4	0	1. 30168	0. 81	0. 185	0 M1	GPR183
NR4A2. 4	0	1. 264021	0. 727	0. 156	0 M1	NR4A2
HLA-DMB. 4	0	1. 245278	0. 899	0. 204	0 M1	HLA-DMB
C5AR1. 4	0	1. 236866	0. 702	0. 145	0 M1	C5AR1
MS4A7. 4	0	1. 236615	0. 912	0. 216	0 M1	MS4A7
IER3. 4	0	1. 217332	0. 68	0. 153	0 M1	IER3
OSM. 4	0	1. 209506	0. 495	0. 075	0 M1	OSM
GPR34. 4	0	1. 205934	0. 785	0. 163	0 M1	GPR34
LY86. 4	0	1. 199875	0. 832	0. 184	0 M1	LY86
FPR1. 4	0	1. 183846	0. 798	0. 181	0 M1	FPR1
C3AR1. 4	0	1. 181988	0. 711	0. 143	0 M1	C3AR1
FCGR1A. 4	0	1. 180792	0. 748	0. 16	0 M1	FCGR1A
C10orf54. 0	0	1. 179503	0. 794	0. 186	0 M1	C10orf54
TREM2. 4	0	1. 17036	0. 918	0. 237	0 M1	TREM2
HLA-DQB1. 0	0	1. 170179	0. 865	0. 217	0 M1	HLA-DQB1
LILRB4. 4	0	1. 169458	0. 743	0. 157	0 M1	LILRB4



NR4A1. 4	0	1.163448	0.701	0.187	0 M1	NR4A1
NR4A3. 4	0	1.152534	0.507	0.079	0 M1	NR4A3
CSF2RA. 4	0	1.151605	0.627	0.117	0 M1	CSF2RA
SLC11A1. 4	0	1.145752	0.776	0.211	0 M1	SLC11A1
FCGR3A. 4	0	1.144157	0.898	0.23	0 M1	FCGR3A
APOC2. 3	0	1.141357	0.6	0.107	0 M1	APOC2
TBXAS1. 4	0	1.140559	0.69	0.151	0 M1	TBXAS1
CCL4. 3	0	1.134266	0.719	0.245	0 M1	CCL4
MS4A6A. 4	0	1.132866	0.899	0.229	0 M1	MS4A6A
FCGR2A. 4	0	1.132486	0.785	0.19	0 M1	FCGR2A
ZNF331. 4	0	1.13123	0.717	0.235	0 M1	ZNF331
CD69. 4	0	1.131226	0.529	0.078	0 M1	CD69
CCL3. 4	0	1.126151	0.883	0.33	0 M1	CCL3
RNASE6. 4	0	1.119904	0.756	0.178	0 M1	RNASE6
PLD4. 4	0	1.118331	0.543	0.075	0 M1	PLD4
CD37. 4	0	1.118037	0.814	0.198	0 M1	CD37
LST1. 4	0	1.116422	0.818	0.211	0 M1	LST1
CSF1R. 4	0	1.112176	0.741	0.173	0 M1	CSF1R
RGS10. 4	0	1.111036	0.854	0.239	0 M1	RGS10
KLF4. 4	0	1.110277	0.566	0.134	0 M1	KLF4
IFI30. 4	0	1.107808	0.625	0.138	0 M1	IFI30
TM6SF1. 4	0	1.107443	0.518	0.086	0 M1	TM6SF1
HAVCR2. 4	0	1.106527	0.662	0.145	0 M1	HAVCR2
NFKBID. 4	0	1.101156	0.479	0.072	0 M1	NFKBID
ADORA3. 4	0	1.100751	0.707	0.171	0 M1	ADORA3
SGK1. 4	0	1.094535	0.897	0.344	0 M1	SGK1
HLA-DMA. 4	0	1.088697	0.949	0.3	0 M1	HLA-DMA
PLAUR. 4	0	1.085636	0.825	0.275	0 M1	PLAUR
HBEGF. 4	0	1.083828	0.546	0.149	0 M1	HBEGF
RP11-552C	0	1.0808	0.44	0.056	0 M1	RP11-552D4. 1
PDK4. 3	0	1.075032	0.497	0.104	0 M1	PDK4
VSIG4. 4	0	1.074237	0.912	0.255	0 M1	VSIG4
RGS1. 4	0	1.073837	0.99	0.338	0 M1	RGS1
HCLS1. 4	0	1.071294	0.773	0.193	0 M1	HCLS1
IRF8. 4	0	1.07068	0.507	0.088	0 M1	IRF8
CH25H. 2	0	1.066501	0.457	0.084	0 M1	CH25H
CSF3R. 4	0	1.065897	0.496	0.084	0 M1	CSF3R
RAB20. 4	0	1.062993	0.584	0.166	0 M1	RAB20
C1orf162.	0	1.062981	0.833	0.219	0 M1	C1orf162
MS4A4A. 4	0	1.059997	0.771	0.189	0 M1	MS4A4A
CCL4L2. 3	0	1.059143	0.343	0.035	0 M1	CCL4L2
SAMSN1. 4	0	1.055739	0.682	0.165	0 M1	SAMSN1
IL18. 4	0	1.049604	0.562	0.119	0 M1	IL18
CXCR4. 3	0	1.046349	0.814	0.303	0 M1	CXCR4
HAMP. 4	0	1.044528	0.471	0.098	0 M1	HAMP
FCGR1B. 3	0	1.043699	0.511	0.093	0 M1	FCGR1B
CD86. 4	0	1.038836	0.594	0.137	0 M1	CD86
CTSS. 4	0	1.037257	0.85	0.254	0 M1	CTSS
HLA-DQA1.	0	1.035227	0.801	0.207	0 M1	HLA-DQA1
CD14. 4	0	1.033837	0.93	0.304	0 M1	CD14
AIF1. 4	0	1.032337	0.954	0.302	0 M1	AIF1

OLFML3. 3	0	1.030327	0.603	0.151	0 M1	OLFML3
PLXDC2. 4	0	1.027422	0.586	0.134	0 M1	PLXDC2
CD53. 4	0	1.027017	0.81	0.216	0 M1	CD53
CLEC7A. 4	0	1.026848	0.516	0.107	0 M1	CLEC7A
LAT2. 4	0	1.026796	0.575	0.128	0 M1	LAT2
FGL2. 4	0	1.025592	0.517	0.108	0 M1	FGL2
SERPINA1.	0	1.02434	0.766	0.206	0 M1	SERPINA1
RNASET2. 4	0	1.024333	0.888	0.401	0 M1	RNASET2
FCER1G. 4	0	1.022679	0.975	0.334	0 M1	FCER1G
FYB. 4	0	1.021633	0.606	0.146	0 M1	FYB
SERPINB9.	0	1.021334	0.464	0.083	0 M1	SERPINB9
SLCO2B1. 3	0	1.018497	0.617	0.141	0 M1	SLCO2B1
CPVL. 4	0	1.015892	0.772	0.264	0 M1	CPVL
SCIN. 4	0	1.01426	0.475	0.086	0 M1	SCIN
KLF2. 3	0	1.01404	0.385	0.081	0 M1	KLF2
REL. 4	0	1.01358	0.637	0.23	0 M1	REL
RILPL2. 4	0	1.012831	0.579	0.194	0 M1	RILPL2
TYROBP. 4	0	1.011159	0.992	0.353	0 M1	TYROBP
CYBA. 4	0	1.008976	0.869	0.312	0 M1	CYBA
ALOX5AP. 4	0	1.006244	0.918	0.295	0 M1	ALOX5AP
PLEK. 4	0	1.001843	0.512	0.107	0 M1	PLEK
MAP3K8. 4	0	0.992766	0.505	0.119	0 M1	MAP3K8
SLC2A5. 4	0	0.992589	0.511	0.102	0 M1	SLC2A5
BCL2A1. 4	0	0.990598	0.457	0.097	0 M1	BCL2A1
LAPTM5. 4	0	0.988502	0.966	0.329	0 M1	LAPTM5
CXCL16. 4	0	0.986414	0.841	0.376	0 M1	CXCL16
ARHGDIB. 4	0	0.981478	0.886	0.268	0 M1	ARHGDIB
HCST. 4	0	0.981446	0.717	0.198	0 M1	HCST
LTC4S. 4	0	0.978477	0.504	0.101	0 M1	LTC4S
C1QC. 4	0	0.977927	0.995	0.402	0 M1	C1QC
PHACTR1. 4	0	0.977867	0.365	0.068	0 M1	PHACTR1
ITGB2. 4	0	0.976042	0.792	0.23	0 M1	ITGB2
STX11. 4	0	0.973273	0.381	0.061	0 M1	STX11
EVI2B. 4	0	0.964641	0.56	0.131	0 M1	EVI2B
AXL. 4	0	0.964626	0.495	0.117	0 M1	AXL
LAIR1. 4	0	0.959135	0.596	0.157	0 M1	LAIR1
GPSM3. 4	0	0.956254	0.672	0.18	0 M1	GPSM3
IGSF6. 4	0	0.955896	0.452	0.094	0 M1	IGSF6
ADAM28. 4	0	0.955197	0.431	0.083	0 M1	ADAM28
RHBDF2. 4	0	0.955085	0.498	0.113	0 M1	RHBDF2
PILRA. 4	0	0.954131	0.477	0.102	0 M1	PILRA
THEMIS2. 4	0	0.949542	0.581	0.174	0 M1	THEMIS2
GMFG. 4	0	0.948853	0.738	0.209	0 M1	GMFG
TYMP. 4	0	0.94714	0.678	0.232	0 M1	TYMP
CD300A. 4	0	0.946274	0.531	0.123	0 M1	CD300A
C1QA. 4	0	0.94299	0.995	0.445	0 M1	C1QA
ABI3. 4	0	0.941002	0.534	0.121	0 M1	ABI3
CREM. 4	0	0.939332	0.716	0.344	0 M1	CREM
CD68. 4	0	0.938658	0.919	0.346	0 M1	CD68
CYBB. 4	0	0.936858	0.53	0.124	0 M1	CYBB
SPI1. 4	0	0.934809	0.62	0.162	0 M1	SPI1

FCGBP. 3	0 0.933391	0.569	0.161	0 M1	FCGBP
SRGN. 4	0 0.926415	0.989	0.401	0 M1	SRGN
HLA-DQA2.	0 0.926158	0.473	0.112	0 M1	HLA-DQA2
LGALS9. 4	0 0.926141	0.598	0.168	0 M1	LGALS9
PYCARD. 4	0 0.926092	0.666	0.208	0 M1	PYCARD
HLA-DPB1.	0 0.924532	0.975	0.398	0 M1	HLA-DPB1
CTSH. 4	0 0.9239	0.681	0.218	0 M1	CTSH
VAMP8. 4	0 0.922596	0.813	0.249	0 M1	VAMP8
APBB1IP. 4	0 0.918095	0.459	0.096	0 M1	APBB1IP
TMEM119. 4	0 0.91669	0.36	0.054	0 M1	TMEM119
MSR1. 4	0 0.915857	0.507	0.114	0 M1	MSR1
SIGLEC10.	0 0.914896	0.461	0.102	0 M1	SIGLEC10
SERPINF1.	0 0.908229	0.549	0.159	0 M1	SERPINF1
PADI2. 4	0 0.905408	0.4	0.082	0 M1	PADI2
FXVD5. 4	0 0.904576	0.76	0.256	0 M1	FXVD5
C3. 3	0 0.903742	0.864	0.308	0 M1	C3
CPM. 3	0 0.903519	0.546	0.172	0 M1	CPM
APOC1. 3	0 0.901985	0.951	0.428	0 M1	APOC1
CD163. 4	0 0.899559	0.653	0.2	0 M1	CD163
PTGER4. 4	0 0.89929	0.391	0.07	0 M1	PTGER4
TAGAP. 4	0 0.899094	0.341	0.052	0 M1	TAGAP
PTPRC. 4	0 0.898774	0.537	0.136	0 M1	PTPRC
ADAP2. 4	0 0.89731	0.495	0.122	0 M1	ADAP2
FOLR2. 4	0 0.896704	0.49	0.115	0 M1	FOLR2
CORO1A. 4	0 0.896323	0.782	0.291	0 M1	CORO1A
C1QB. 4	0 0.895246	0.997	0.484	0 M1	C1QB
FAM105A. 4	0 0.893774	0.452	0.104	0 M1	FAM105A
CTSC. 4	0 0.888834	0.803	0.299	0 M1	CTSC
ENTPD1. 4	0 0.883206	0.442	0.106	0 M1	ENTPD1
MNDA. 4	0 0.883018	0.476	0.117	0 M1	MNDA
SLA. 4	0 0.881022	0.528	0.136	0 M1	SLA
AOAH. 4	0 0.880709	0.381	0.071	0 M1	AOAH
LPCAT2. 4	0 0.872712	0.422	0.092	0 M1	LPCAT2
TNFRSF1B.	0 0.869995	0.483	0.129	0 M1	TNFRSF1B
CX3CR1. 3	0 0.867193	0.355	0.05	0 M1	CX3CR1
IFNGR1. 4	0 0.860774	0.739	0.376	0 M1	IFNGR1
IFITM2. 4	0 0.851726	0.624	0.214	0 M1	IFITM2
HLA-DRB5.	0 0.848189	0.844	0.31	0 M1	HLA-DRB5
CNPY3. 4	0 0.847632	0.71	0.352	0 M1	CNPY3
TMEM176B.	0 0.843993	0.71	0.28	0 M1	TMEM176B
SCPEP1. 3	0 0.840862	0.65	0.285	0 M1	SCPEP1
PLIN2. 3	0 0.84084	0.709	0.269	0 M1	PLIN2
CAPG. 4	0 0.835944	0.799	0.337	0 M1	CAPG
SLC7A7. 4	0 0.832685	0.463	0.116	0 M1	SLC7A7
HLA-DPA1.	0 0.818187	0.992	0.441	0 M1	HLA-DPA1
RGS2. 3	0 0.806329	0.846	0.365	0 M1	RGS2
FCGRT. 3	0 0.801225	0.929	0.474	0 M1	FCGRT
ARPC1B. 4	0 0.79582	0.881	0.461	0 M1	ARPC1B
HMOX1. 4	0 0.793797	0.631	0.227	0 M1	HMOX1
SERPINB1.	0 0.791356	0.611	0.198	0 M1	SERPINB1
HLA-DRB1.	0 0.787473	0.995	0.44	0 M1	HLA-DRB1

KLF6. 3	0 0.787058	0.853	0.467	0 M1	KLF6
FOSB. 3	0 0.784978	0.709	0.328	0 M1	FOSB
HLA-E. 4	0 0.747926	0.94	0.527	0 M1	HLA-E
DUSP1. 4	0 0.718372	0.864	0.517	0 M1	DUSP1
GSN. 3	0 0.704783	0.836	0.444	0 M1	GSN
MCL1. 4	0 0.7018	0.82	0.554	0 M1	MCL1
HERPUD1. 3	0 0.662616	0.899	0.59	0 M1	HERPUD1
GRN. 4	0 0.656047	0.836	0.517	0 M1	GRN
ZFP36. 2	0 0.622479	0.944	0.499	0 M1	ZFP36
ID2. 3	0 0.604165	0.914	0.602	0 M1	ID2
HLA-DRA. 3	0 0.574742	0.997	0.56	0 M1	HLA-DRA
NPC2. 3	0 0.564639	0.977	0.634	0 M1	NPC2
SAT1. 3	0 0.477781	0.997	0.764	0 M1	SAT1
CD74. 3	0 0.465858	1	0.701	0 M1	CD74
CTSB. 1	0 0.459235	0.978	0.712	0 M1	CTSB
GPX1. 4	0 0.451631	0.972	0.782	0 M1	GPX1
MALAT1. 4	0 -0.49706	0.999	0.995	0 M1	MALAT1
TUBA1A. 3	0 -0.92837	0.573	0.855	0 M1	TUBA1A
NGFRAP1. 3	0 -1.25461	0.197	0.734	0 M1	NGFRAP1
MAP1B. 3	0 -1.28509	0.104	0.62	0 M1	MAP1B
GPM6B. 4	0 -1.36134	0.174	0.708	0 M1	GPM6B
TUBB2B. 3	0 -1.43756	0.145	0.637	0 M1	TUBB2B
PTN. 4	0 -1.45181	0.167	0.706	0 M1	PTN
NOVA1. 4	0 -1.51347	0.039	0.567	0 M1	NOVA1
PSAP. 2	##### 0.400544	0.963	0.79	##### M1	PSAP
IL10. 4	##### 0.942985	0.338	0.06	##### M1	IL10
EBI3. 4	##### 0.843091	0.318	0.052	##### M1	EBI3
CCRL2. 4	##### 0.863601	0.301	0.046	##### M1	CCRL2
ARRB2. 4	##### 0.799266	0.694	0.341	##### M1	ARRB2
RBP1. 2	##### -1.2788	0.068	0.538	##### M1	RBP1
SOX2. 4	##### -1.27826	0.045	0.506	##### M1	SOX2
RASGEF1B.	##### 0.865268	0.36	0.073	##### M1	RASGEF1B
A2M. 3	##### 0.610341	0.796	0.397	##### M1	A2M
SLC16A3. 4	##### 0.804026	0.63	0.258	##### M1	SLC16A3
MEF2C. 4	##### 0.865758	0.572	0.225	##### M1	MEF2C
C1orf61. 4	##### -1.1977	0.16	0.61	##### M1	C1orf61
ASAH1. 3	##### 0.575831	0.851	0.611	##### M1	ASAH1
PARVG. 4	##### 0.832878	0.429	0.108	##### M1	PARVG
MARCKSL1.	##### -1.20333	0.199	0.614	##### M1	MARCKSL1
CNN3. 4	##### -1.19148	0.077	0.546	##### M1	CNN3
LPAR5. 3	##### 0.754839	0.327	0.059	##### M1	LPAR5
TSC22D1. 3	##### -1.0744	0.124	0.59	##### M1	TSC22D1
GPR65. 4	##### 0.794644	0.379	0.084	##### M1	GPR65
HCK. 4	##### 0.801487	0.436	0.113	##### M1	HCK
GYPC. 4	##### 0.814115	0.606	0.25	##### M1	GYPC
CFD. 4	##### 0.856271	0.416	0.104	##### M1	CFD
NINJ1. 4	##### 0.754077	0.71	0.4	##### M1	NINJ1
LITAF. 4	##### 0.738652	0.728	0.405	##### M1	LITAF
GIMAP4. 4	##### 0.77113	0.409	0.098	##### M1	GIMAP4
CALD1. 3	##### -1.14864	0.041	0.496	##### M1	CALD1
TNFSF13B.	##### 0.805077	0.485	0.147	##### M1	TNFSF13B

PALD1. 4	#####	0.799746	0.317	0.059	#####	M1	PALD1
RCS1. 4	#####	0.775374	0.354	0.073	#####	M1	RCS1
WAS. 4	#####	0.809714	0.442	0.121	#####	M1	WAS
MYO1F. 4	#####	0.838096	0.453	0.13	#####	M1	MYO1F
GAP43. 4	#####	-1.33693	0.088	0.542	#####	M1	GAP43
OTUD1. 4	#####	0.853564	0.305	0.057	#####	M1	OTUD1
MAFB. 3	#####	0.80097	0.606	0.256	#####	M1	MAFB
FEZ1. 3	#####	-1.08018	0.053	0.505	#####	M1	FEZ1
DUSP2. 4	#####	0.764357	0.333	0.066	#####	M1	DUSP2
SORL1. 4	#####	0.86038	0.5	0.172	#####	M1	SORL1
TMEM173. 4	#####	0.814785	0.361	0.079	#####	M1	TMEM173
PFN2. 3	#####	-1.10896	0.059	0.509	#####	M1	PFN2
CTS1. 4	#####	0.788492	0.554	0.196	#####	M1	CTS1
FAM26F. 4	#####	0.759862	0.428	0.114	#####	M1	FAM26F
S100A11. 4	#####	0.413267	0.953	0.598	#####	M1	S100A11
APOE. 3	#####	0.51594	0.857	0.651	#####	M1	APOE
IL10RA. 4	#####	0.787206	0.378	0.09	#####	M1	IL10RA
FXYD6. 4	#####	-1.10378	0.094	0.534	#####	M1	FXYD6
UCHL1. 2	#####	-1.15639	0.071	0.509	#####	M1	UCHL1
CDKN1A. 3	#####	0.811412	0.591	0.25	#####	M1	CDKN1A
PPP1R15A. 4	#####	0.7351	0.706	0.419	#####	M1	PPP1R15A
UCP2. 4	#####	0.780758	0.559	0.215	#####	M1	UCP2
MFSD1. 4	#####	0.797382	0.615	0.289	#####	M1	MFSD1
LPAR6. 4	#####	0.865478	0.507	0.184	#####	M1	LPAR6
ACSL1. 4	#####	0.850047	0.491	0.174	#####	M1	ACSL1
CEBPB. 4	#####	0.733009	0.681	0.385	#####	M1	CEBPB
MGAT4A. 4	#####	0.854016	0.485	0.167	#####	M1	MGAT4A
PCSK1N. 3	#####	-1.15912	0.071	0.49	#####	M1	PCSK1N
OSTF1. 4	#####	0.804879	0.57	0.235	#####	M1	OSTF1
P2RY13. 4	#####	0.809932	0.277	0.046	#####	M1	P2RY13
MDK. 3	#####	-1.10734	0.126	0.564	#####	M1	MDK
HLA-DQB2. 4	#####	0.937212	0.301	0.056	#####	M1	HLA-DQB2
SEC61G. 4	#####	-0.98033	0.58	0.843	#####	M1	SEC61G
ELF1. 4	#####	0.859514	0.502	0.192	#####	M1	ELF1
CYTL1. 4	#####	0.855383	0.322	0.068	#####	M1	CYTL1
MGST2. 4	#####	0.797032	0.524	0.199	#####	M1	MGST2
USP53. 4	#####	0.863909	0.37	0.095	#####	M1	USP53
ETS2. 4	#####	0.803856	0.468	0.155	#####	M1	ETS2
PABPC1. 3	#####	0.437485	0.886	0.716	#####	M1	PABPC1
NFIB. 4	#####	-1.1322	0.033	0.447	#####	M1	NFIB
NLRP3. 4	#####	0.780824	0.278	0.049	#####	M1	NLRP3
DHRS7. 4	#####	0.646822	0.767	0.514	#####	M1	DHRS7
CD84. 4	#####	0.761703	0.354	0.084	#####	M1	CD84
GPM6A. 3	#####	-0.96002	0.136	0.578	#####	M1	GPM6A
NFKBIA. 3	#####	0.64873	0.737	0.452	#####	M1	NFKBIA
RNF149. 4	#####	0.814959	0.532	0.218	#####	M1	RNF149
CD302. 4	#####	0.851357	0.453	0.155	#####	M1	CD302
IL13RA1. 4	#####	0.828531	0.502	0.198	#####	M1	IL13RA1
CTSD. 3	#####	0.504797	0.831	0.601	#####	M1	CTSD
SUSD3. 4	#####	0.751412	0.292	0.056	#####	M1	SUSD3
BST2. 3	#####	0.55261	0.803	0.422	#####	M1	BST2

SH3TC1. 4	#####	0. 729492	0. 26	0. 044	#####	M1	SH3TC1
ZNF667-AS	#####	-0. 96379	0. 042	0. 458	#####	M1	ZNF667-AS1
RHOG. 4	#####	0. 711978	0. 675	0. 356	#####	M1	RHOG
CD4. 4	#####	0. 729299	0. 394	0. 107	#####	M1	CD4
IGFBP2. 3	#####	-1. 23644	0. 042	0. 441	#####	M1	IGFBP2
ATF3. 4	#####	0. 808714	0. 559	0. 251	#####	M1	ATF3
CAPZB. 3	#####	0. 44995	0. 85	0. 672	#####	M1	CAPZB
PPT1. 3	#####	0. 600515	0. 75	0. 517	#####	M1	PPT1
PMAIP1. 4	#####	0. 796069	0. 265	0. 047	#####	M1	PMAIP1
SNCA. 4	#####	0. 766426	0. 373	0. 098	#####	M1	SNCA
PTPN6. 4	#####	0. 723526	0. 403	0. 114	#####	M1	PTPN6
TSPO. 3	#####	0. 534075	0. 793	0. 555	#####	M1	TSPO
PRDX2. 4	#####	-0. 76191	0. 385	0. 765	#####	M1	PRDX2
HPGDS. 4	#####	0. 682766	0. 277	0. 051	#####	M1	HPGDS
FABP7. 3	#####	-1. 31865	0. 061	0. 448	#####	M1	FABP7
LINC01094	#####	0. 773559	0. 385	0. 107	#####	M1	LINC01094
ARHGAP24.	#####	0. 77799	0. 377	0. 102	#####	M1	ARHGAP24
EVI2A. 4	#####	0. 694566	0. 492	0. 169	#####	M1	EVI2A
AP001055.	#####	0. 736175	0. 255	0. 045	#####	M1	AP001055. 6
NFIX. 3	#####	-0. 92762	0. 015	0. 396	#####	M1	NFIX
PTAFR. 4	#####	0. 753782	0. 337	0. 083	#####	M1	PTAFR
CEBPD. 2	#####	0. 656655	0. 699	0. 411	#####	M1	CEBPD
RNASE2. 4	#####	0. 742318	0. 395	0. 11	#####	M1	RNASE2
SPTLC2. 4	#####	0. 825964	0. 448	0. 162	#####	M1	SPTLC2
FHL1. 4	#####	-0. 91454	0. 032	0. 422	#####	M1	FHL1
SIGLEC8. 3	#####	0. 689953	0. 248	0. 043	#####	M1	SIGLEC8
RASSF5. 4	#####	0. 747503	0. 32	0. 079	#####	M1	RASSF5
VM01. 4	#####	0. 804752	0. 388	0. 114	#####	M1	VM01
SOX4. 3	#####	-1. 15338	0. 126	0. 509	#####	M1	SOX4
CSRNP1. 4	#####	0. 80104	0. 418	0. 145	#####	M1	CSRNP1
MGAT1. 4	#####	0. 773797	0. 59	0. 311	#####	M1	MGAT1
EVL. 3	#####	0. 777142	0. 596	0. 303	#####	M1	EVL
CPE. 3	#####	-0. 96278	0. 064	0. 455	#####	M1	CPE
EPB41L2. 3	#####	0. 805021	0. 539	0. 265	#####	M1	EPB41L2
FYN. 3	#####	-0. 87183	0. 017	0. 388	#####	M1	FYN
PLSCR1. 4	#####	0. 72383	0. 605	0. 31	#####	M1	PLSCR1
BEX1. 3	#####	-1. 08361	0. 039	0. 413	#####	M1	BEX1
FAM49B. 4	#####	0. 62976	0. 698	0. 467	#####	M1	FAM49B
S100A4. 4	#####	0. 615149	0. 586	0. 237	#####	M1	S100A4
MAP2. 4	#####	-0. 89778	0. 03	0. 4	#####	M1	MAP2
GADD45B. 2	#####	0. 486622	0. 771	0. 434	#####	M1	GADD45B
SCG5. 3	#####	-0. 98889	0. 022	0. 389	#####	M1	SCG5
ELAVL3. 4	#####	-0. 90838	0. 012	0. 371	#####	M1	ELAVL3
CAMK2N1. 4	#####	-0. 94165	0. 016	0. 377	#####	M1	CAMK2N1
NPDC1. 3	#####	-0. 86964	0. 021	0. 384	#####	M1	NPDC1
ARPC3. 2	#####	0. 326025	0. 915	0. 782	#####	M1	ARPC3
MLLT11. 2	#####	-0. 94888	0. 127	0. 519	#####	M1	MLLT11
LILRB1. 4	#####	0. 670433	0. 269	0. 056	#####	M1	LILRB1
ALOX5. 4	#####	0. 680644	0. 35	0. 096	#####	M1	ALOX5
LINC00461	#####	-0. 91613	0. 021	0. 38	#####	M1	LINC00461
APLP1. 4	#####	-0. 95262	0. 043	0. 413	#####	M1	APLP1

KIF21A. 4	#####	-0.86649	0.01	0.361	#####	M1	KIF21A
KCNMB1. 4	#####	0.738356	0.288	0.065	#####	M1	KCNMB1
SCD5. 3	#####	-0.88057	0.075	0.458	#####	M1	SCD5
APP. 3	#####	-0.73923	0.183	0.593	#####	M1	APP
BLNK. 3	#####	0.680086	0.221	0.036	#####	M1	BLNK
ACTG1. 4	#####	-0.42689	0.894	0.959	#####	M1	ACTG1
CKB. 4	#####	-0.82532	0.309	0.637	#####	M1	CKB
TUBB2A. 3	#####	-0.85555	0.157	0.542	#####	M1	TUBB2A
ELL2. 3	#####	0.735502	0.418	0.147	#####	M1	ELL2
DOCK8. 4	#####	0.7164	0.318	0.081	#####	M1	DOCK8
LAPTM4B. 4	#####	-0.81632	0.029	0.392	#####	M1	LAPTM4B
HLA-DOA. 3	#####	0.642173	0.272	0.058	#####	M1	HLA-DOA
SDCBP. 2	#####	0.402987	0.861	0.702	#####	M1	SDCBP
CD33. 4	#####	0.724212	0.317	0.08	#####	M1	CD33
TLR2. 4	#####	0.723816	0.301	0.073	#####	M1	TLR2
BIN1. 3	#####	0.69304	0.589	0.315	#####	M1	BIN1
CEBPA. 3	#####	0.676846	0.287	0.067	#####	M1	CEBPA
STXBP2. 4	#####	0.701683	0.398	0.127	#####	M1	STXBP2
CXorf21. 4	#####	0.743865	0.236	0.044	#####	M1	CXorf21
ST6GAL1. 3	#####	0.694274	0.297	0.073	#####	M1	ST6GAL1
ITGAX. 4	#####	0.739571	0.263	0.056	#####	M1	ITGAX
TRIB1. 3	#####	0.812281	0.36	0.116	#####	M1	TRIB1
AKR1B1. 3	#####	0.505658	0.776	0.595	#####	M1	AKR1B1
CLEC2B. 4	#####	0.664415	0.444	0.157	#####	M1	CLEC2B
SMAP2. 4	#####	0.802376	0.457	0.192	#####	M1	SMAP2
WBP5. 3	#####	-0.76554	0.16	0.571	#####	M1	WBP5
LIMS1. 4	#####	0.653114	0.642	0.399	#####	M1	LIMS1
PPDPF. 1	#####	-0.62616	0.462	0.761	#####	M1	PPDPF
ANKRD22. 4	#####	0.644749	0.213	0.035	#####	M1	ANKRD22
RP11-480C	#####	0.579301	0.178	0.022	#####	M1	RP11-480C22. 1
RGS19. 4	#####	0.771364	0.499	0.231	#####	M1	RGS19
HSD17B11. 4	#####	0.690691	0.611	0.33	#####	M1	HSD17B11
FERMT3. 4	#####	0.652556	0.388	0.122	#####	M1	FERMT3
C16orf45. 4	#####	-0.82722	0.026	0.377	#####	M1	C16orf45
NCF4. 4	#####	0.706711	0.357	0.104	#####	M1	NCF4
STMN3. 2	#####	-0.78946	0.019	0.364	#####	M1	STMN3
LCP2. 4	#####	0.713522	0.303	0.077	#####	M1	LCP2
DPYSL3. 3	#####	-0.82745	0.03	0.381	#####	M1	DPYSL3
KCTD12. 4	#####	0.723427	0.46	0.191	#####	M1	KCTD12
LIPA. 4	#####	0.690159	0.566	0.288	#####	M1	LIPA
NCAM1. 4	#####	-0.8164	0.039	0.395	#####	M1	NCAM1
SIK1. 4	#####	0.704708	0.275	0.065	#####	M1	SIK1
PTPRZ1. 4	#####	-0.93811	0.087	0.444	#####	M1	PTPRZ1
PTGS1. 4	#####	0.741492	0.359	0.116	#####	M1	PTGS1
ATP6VOE2. 4	#####	-0.7746	0.139	0.515	#####	M1	ATP6VOE2
SYNGR2. 4	#####	0.702447	0.558	0.282	#####	M1	SYNGR2
DENND3. 4	#####	0.661834	0.277	0.065	#####	M1	DENND3
CDH2. 3	#####	-0.79555	0.009	0.34	#####	M1	CDH2
PODXL2. 4	#####	-0.80804	0.024	0.365	#####	M1	PODXL2
CYTH4. 4	#####	0.665573	0.298	0.075	#####	M1	CYTH4
BIN2. 4	#####	0.661306	0.299	0.075	#####	M1	BIN2

NEAT1. 2	#####	0.364709	0.98	0.719	#####	M1	NEAT1
GOLM1. 3	#####	-0.77864	0.029	0.373	#####	M1	GOLM1
CD320. 2	#####	-0.77625	0.03	0.376	#####	M1	CD320
MYL12A. 3	#####	0.473077	0.755	0.501	#####	M1	MYL12A
CLIC1. 2	#####	0.425668	0.844	0.578	#####	M1	CLIC1
RB1. 4	#####	0.749637	0.524	0.261	#####	M1	RB1
CXXC5. 4	#####	-0.79164	0.076	0.441	#####	M1	CXXC5
NRROS. 3	#####	0.664571	0.215	0.038	#####	M1	NRROS
KDM6B. 4	#####	0.787288	0.435	0.18	#####	M1	KDM6B
PLK3. 4	#####	0.779928	0.453	0.198	#####	M1	PLK3
NPL. 3	#####	0.660922	0.427	0.155	#####	M1	NPL
RP6-91H8. 3	#####	0.6831	0.191	0.029	#####	M1	RP6-91H8. 3
MERTK. 3	#####	0.697314	0.312	0.087	#####	M1	MERTK
SGCB. 1	#####	-0.81387	0.039	0.383	#####	M1	SGCB
DBN1. 4	#####	-0.8001	0.031	0.367	#####	M1	DBN1
LYN. 4	#####	0.678818	0.384	0.132	#####	M1	LYN
ZFP36L1. 1	#####	0.473851	0.759	0.52	#####	M1	ZFP36L1
SLC31A2. 4	#####	0.724529	0.411	0.149	#####	M1	SLC31A2
LILRA2. 4	#####	0.635021	0.246	0.051	#####	M1	LILRA2
SELPLG. 3	#####	0.75353	0.308	0.084	#####	M1	SELPLG
TMEM176A. 3	#####	0.699593	0.455	0.181	#####	M1	TMEM176A
OCIAD2. 3	#####	-1.12533	0.092	0.446	#####	M1	OCIAD2
ABL2. 4	#####	0.817081	0.476	0.226	#####	M1	ABL2
TSC22D3. 3	#####	0.601463	0.666	0.414	#####	M1	TSC22D3
TCEAL7. 2	#####	-0.8715	0.026	0.358	#####	M1	TCEAL7
CREG1. 4	#####	0.682513	0.52	0.252	#####	M1	CREG1
HMHA1. 4	#####	0.64657	0.287	0.073	#####	M1	HMHA1
DDR1. 3	#####	-0.77238	0.046	0.388	#####	M1	DDR1
COTL1. 4	#####	0.554837	0.686	0.474	#####	M1	COTL1
EGR2. 3	#####	0.861939	0.388	0.152	#####	M1	EGR2
MT3. 4	#####	-1.13406	0.208	0.547	#####	M1	MT3
PMP2. 4	#####	-1.04094	0.068	0.406	#####	M1	PMP2
GRASP. 4	#####	0.57487	0.179	0.026	#####	M1	GRASP
EGR3. 3	#####	0.744952	0.274	0.07	#####	M1	EGR3
RHOBTB3. 4	#####	-0.73125	0.103	0.47	#####	M1	RHOBTB3
BAALC. 3	#####	-0.84069	0.06	0.403	#####	M1	BAALC
PTGS2. 4	#####	0.574076	0.199	0.034	#####	M1	PTGS2
JUNB. 2	#####	0.386551	0.856	0.697	#####	M1	JUNB
TNFAIP3. 4	#####	0.708773	0.368	0.122	#####	M1	TNFAIP3
NES. 4	#####	-0.93768	0.013	0.329	#####	M1	NES
ZBTB20. 3	#####	-0.71357	0.084	0.446	#####	M1	ZBTB20
TSPAN7. 2	#####	-0.86175	0.034	0.366	#####	M1	TSPAN7
CRIP2. 2	#####	-0.78052	0.034	0.37	#####	M1	CRIP2
PDGFB. 3	#####	0.612048	0.165	0.022	#####	M1	PDGFB
MAPT. 4	#####	-0.81872	0.018	0.338	#####	M1	MAPT
GAS6. 4	#####	0.704327	0.411	0.163	#####	M1	GAS6
SP100. 3	#####	0.623082	0.519	0.24	#####	M1	SP100
SEZ6L2. 3	#####	-0.76304	0.011	0.326	#####	M1	SEZ6L2
CMTM7. 4	#####	0.689117	0.363	0.124	#####	M1	CMTM7
SKIL. 4	#####	0.763215	0.485	0.246	#####	M1	SKIL
CSRP2. 2	#####	-1.05494	0.03	0.356	#####	M1	CSRP2



CMTM6. 4	#####	0.66099	0.608	0.389	#####	M1	CMTM6
RNF130. 4	#####	0.599959	0.647	0.426	#####	M1	RNF130
ZFP36L2. 4	#####	0.542692	0.7	0.478	#####	M1	ZFP36L2
CD55. 4	#####	0.676239	0.298	0.082	#####	M1	CD55
XBP1. 4	#####	0.684723	0.57	0.331	#####	M1	XBP1
SCAMP2. 4	#####	0.677932	0.578	0.333	#####	M1	SCAMP2
S100A16. 3	#####	-1.09315	0.036	0.361	#####	M1	S100A16
DRAM2. 4	#####	0.744446	0.543	0.295	#####	M1	DRAM2
SPINT2. 4	#####	0.66503	0.438	0.172	#####	M1	SPINT2
LYZ. 4	#####	0.649437	0.433	0.161	#####	M1	LYZ
SERPINE2. 4	#####	-0.79574	0.026	0.347	#####	M1	SERPINE2
SOX11. 3	#####	-0.92595	0.017	0.324	#####	M1	SOX11
TMEM156. 4	#####	0.574555	0.185	0.03	#####	M1	TMEM156
GAL3ST4. 3	#####	0.735407	0.371	0.131	#####	M1	GAL3ST4
MYL6B. 3	#####	-0.67283	0.132	0.504	#####	M1	MYL6B
KIF5C. 4	#####	-0.74347	0.013	0.319	#####	M1	KIF5C
FKBP5. 4	#####	0.672337	0.532	0.273	#####	M1	FKBP5
Clorf54. 4	#####	0.689453	0.436	0.183	#####	M1	Clorf54
SH3BGRL. 2	#####	0.44044	0.778	0.622	#####	M1	SH3BGRL
SLC29A1. 3	#####	0.710322	0.321	0.101	#####	M1	SLC29A1
RASSF4. 4	#####	0.679602	0.537	0.287	#####	M1	RASSF4
SYT11. 4	#####	-0.68376	0.091	0.443	#####	M1	SYT11
OGFRL1. 4	#####	0.759479	0.373	0.143	#####	M1	OGFRL1
SCG3. 4	#####	-0.88797	0.014	0.317	#####	M1	SCG3
SCG2. 3	#####	-0.90173	0.012	0.312	#####	M1	SCG2
ENAH. 3	#####	-0.67842	0.013	0.314	#####	M1	ENAH
CFL2. 3	#####	-0.77471	0.055	0.383	#####	M1	CFL2
MEST. 3	#####	-0.76089	0.103	0.443	#####	M1	MEST
AKAP13. 4	#####	0.743367	0.521	0.286	#####	M1	AKAP13
DDIT4. 3	#####	0.594853	0.63	0.364	#####	M1	DDIT4
RP11-76E1	#####	0.557181	0.14	0.016	#####	M1	RP11-76E17. 3
MKNK1. 3	#####	0.718933	0.363	0.132	#####	M1	MKNK1
FAM229B. 3	#####	-0.71955	0.032	0.344	#####	M1	FAM229B
EEF1B2. 3	#####	0.28725	0.87	0.757	#####	M1	EEF1B2
MEF2A. 4	#####	0.742034	0.412	0.176	#####	M1	MEF2A
GSTA4. 3	#####	-0.76182	0.033	0.341	#####	M1	GSTA4
CRMP1. 3	#####	-0.80557	0.017	0.315	#####	M1	CRMP1
STMN4. 3	#####	-1.07235	0.05	0.357	#####	M1	STMN4
NLRP1. 3	#####	-0.71395	0.066	0.393	#####	M1	NLRP1
TSPAN5. 4	#####	-0.69019	0.015	0.312	#####	M1	TSPAN5
CELF2. 4	#####	0.693387	0.569	0.346	#####	M1	CELF2
BTG2. 2	#####	0.565749	0.654	0.43	#####	M1	BTG2
MEG3. 3	#####	-0.99208	0.047	0.356	#####	M1	MEG3
GLDN. 3	#####	0.573385	0.257	0.065	#####	M1	GLDN
POP7. 3	#####	-0.65981	0.104	0.452	#####	M1	POP7
BTK. 4	#####	0.599047	0.236	0.056	#####	M1	BTK
ATAT1. 4	#####	-0.69957	0.033	0.34	#####	M1	ATAT1
PCBP4. 4	#####	-0.69725	0.012	0.304	#####	M1	PCBP4
ATP6VOB. 4	#####	0.327945	0.895	0.779	#####	M1	ATP6VOB
CADM4. 3	#####	-0.67164	0.017	0.313	#####	M1	CADM4
STMN1. 3	#####	-0.73407	0.371	0.683	#####	M1	STMN1

TNF. 2	#####	0.566098	0.153	0.021	#####	M1	TNF
STAB1. 3	#####	0.631679	0.36	0.122	#####	M1	STAB1
NREP. 3	#####	-0.71453	0.024	0.322	#####	M1	NREP
LIMA1. 3	#####	-0.74206	0.057	0.37	#####	M1	LIMA1
FZD3. 1	#####	-0.64902	0.025	0.327	#####	M1	FZD3
TRIB2. 4	#####	-0.72163	0.018	0.312	#####	M1	TRIB2
ENO2. 4	#####	-0.73672	0.031	0.335	#####	M1	ENO2
SPTBN1. 2	#####	-0.65172	0.024	0.325	#####	M1	SPTBN1
SOX9. 3	#####	-0.80549	0.026	0.321	#####	M1	SOX9
LGMN. 3	#####	0.625972	0.547	0.311	#####	M1	LGMN
FGD4. 4	#####	0.725455	0.325	0.111	#####	M1	FGD4
ZNF428. 4	#####	-0.62438	0.265	0.601	#####	M1	ZNF428
CENPV. 4	#####	-0.72056	0.014	0.303	#####	M1	CENPV
GPR84. 4	#####	0.638814	0.212	0.046	#####	M1	GPR84
RAP1A. 4	#####	0.52868	0.677	0.483	#####	M1	RAP1A
PCDH9. 2	#####	-0.82316	0.014	0.303	#####	M1	PCDH9
GNA13. 4	#####	0.743078	0.364	0.143	#####	M1	GNA13
KLHDC8A. 4	#####	-0.73551	0.013	0.298	#####	M1	KLHDC8A
PIK3IP1. 4	#####	0.643044	0.35	0.123	#####	M1	PIK3IP1
AP1B1. 4	#####	0.702817	0.456	0.219	#####	M1	AP1B1
DNER. 2	#####	-0.82751	0.036	0.329	#####	M1	DNER
NCKAP1L. 4	#####	0.608467	0.293	0.087	#####	M1	NCKAP1L
ARHGAP4. 4	#####	0.593673	0.283	0.082	#####	M1	ARHGAP4
SCIMP. 4	#####	0.61678	0.227	0.054	#####	M1	SCIMP
SLC25A4. 4	#####	-0.64055	0.136	0.485	#####	M1	SLC25A4
DAB2. 3	#####	0.625628	0.337	0.113	#####	M1	DAB2
PKIG. 4	#####	-0.72529	0.053	0.362	#####	M1	PKIG
TMEM59L. 3	#####	-0.66118	0.02	0.306	#####	M1	TMEM59L
MAGED1. 3	#####	-0.65198	0.076	0.399	#####	M1	MAGED1
CTB-61M7. 2	#####	0.502446	0.14	0.018	#####	M1	CTB-61M7. 2
CCL3L3. 2	#####	0.757989	0.175	0.03	#####	M1	CCL3L3
CLEC4E. 3	#####	0.640134	0.18	0.033	#####	M1	CLEC4E
THY1. 3	#####	-0.73797	0.02	0.303	#####	M1	THY1
MLXIPL. 2	#####	0.496204	0.142	0.019	#####	M1	MLXIPL
PRDM1. 4	#####	0.612451	0.254	0.069	#####	M1	PRDM1
GAPDH. 4	#####	-0.38028	0.972	0.987	#####	M1	GAPDH
GAA. 3	#####	0.663342	0.505	0.282	#####	M1	GAA
ARHGAP15. 2	#####	0.607071	0.251	0.066	#####	M1	ARHGAP15
LYL1. 4	#####	0.559906	0.223	0.053	#####	M1	LYL1
C7orf55. 3	#####	-0.6365	0.135	0.481	#####	M1	C7orf55
TLR5. 3	#####	0.516905	0.154	0.023	#####	M1	TLR5
FRMD4A. 3	#####	0.709871	0.374	0.15	#####	M1	FRMD4A
PLAC8. 3	#####	0.558227	0.2	0.042	#####	M1	PLAC8
INPP5D. 4	#####	0.602593	0.23	0.056	#####	M1	INPP5D
PAFAH1B3. 2	#####	-0.60267	0.143	0.48	#####	M1	PAFAH1B3
SPARC. 3	#####	-0.87274	0.117	0.438	#####	M1	SPARC
RNF144B. 3	#####	0.645652	0.251	0.068	#####	M1	RNF144B
PFKFB3. 4	#####	0.725134	0.43	0.207	#####	M1	PFKFB3
HEY1. 3	#####	-0.69952	0.017	0.293	#####	M1	HEY1
NRN1. 2	#####	-0.78674	0.021	0.3	#####	M1	NRN1
RP11-386I14. 4	#####	0.62465	0.194	0.041	#####	M1	RP11-386I14. 4

SLC22A17. #####	-0.62711	0.04	0.333	#####	M1	SLC22A17	
TXN. 3	#####	-0.59955	0.398	0.72	#####	M1	TXN
GPC1. 3	#####	-0.75997	0.012	0.282	#####	M1	GPC1
TLR7. 3	#####	0.536689	0.174	0.032	#####	M1	TLR7
CYFIP1. 3	#####	0.666846	0.466	0.246	#####	M1	CYFIP1
TMEM98. 2	#####	-0.69968	0.012	0.28	#####	M1	TMEM98
NCF1. 4	#####	0.544768	0.292	0.089	#####	M1	NCF1
PRAF2. 3	#####	-0.59543	0.053	0.352	#####	M1	PRAF2
UNC93B1. 4	#####	0.671791	0.382	0.164	#####	M1	UNC93B1
S100B. 3	#####	-0.80218	0.263	0.581	#####	M1	S100B
PSIP1. 4	#####	-0.61151	0.117	0.437	#####	M1	PSIP1
FMNL1. 4	#####	0.616981	0.288	0.091	#####	M1	FMNL1
DNASE2. 3	#####	0.629285	0.549	0.35	#####	M1	DNASE2
CKLF. 4	#####	0.520789	0.67	0.489	#####	M1	CKLF
CSTA. 4	#####	0.578109	0.298	0.094	#####	M1	CSTA
DSE. 4	#####	0.644847	0.305	0.104	#####	M1	DSE
ARHGAP18. #####	0.622086	0.357	0.135	#####	M1	ARHGAP18	
DSTN. 4	#####	-0.56377	0.352	0.672	#####	M1	DSTN
POLD2. 3	#####	-0.62202	0.141	0.477	#####	M1	POLD2
RHOB. 2	#####	0.447022	0.742	0.582	#####	M1	RHOB
POU3F2. 3	#####	-0.67344	0.003	0.259	#####	M1	POU3F2
CTTN. 3	#####	-0.62578	0.011	0.273	#####	M1	CTTN
CTSL. 4	#####	0.445322	0.7	0.488	#####	M1	CTSL
TTYH1. 4	#####	-0.84365	0.039	0.314	#####	M1	TTYH1
PHF14. 3	#####	-0.55084	0.143	0.479	#####	M1	PHF14
NFIA. 3	#####	-0.68252	0.12	0.431	#####	M1	NFIA
RCN1. 4	#####	-0.64077	0.097	0.406	#####	M1	RCN1
TRIM2. 2	#####	-0.61828	0.008	0.267	#####	M1	TRIM2
ARPC2. 3	#####	0.274335	0.861	0.756	#####	M1	ARPC2
PTOV1. 3	#####	-0.57265	0.16	0.494	#####	M1	PTOV1
RIC3. 2	#####	-0.73613	0.013	0.275	#####	M1	RIC3
TMEM161B- #####	-0.7005	0.052	0.336	#####	M1	TMEM161B-AS1	
IP6K2. 3	#####	-0.58538	0.152	0.491	#####	M1	IP6K2
PTPRE. 4	#####	0.772744	0.443	0.235	#####	M1	PTPRE
YWHAQ. 3	#####	-0.51741	0.401	0.692	#####	M1	YWHAQ
PLS3. 3	#####	-0.66556	0.008	0.264	#####	M1	PLS3
ATP1B3. 4	#####	0.532362	0.664	0.521	#####	M1	ATP1B3
METRN. 4	#####	-0.68143	0.056	0.342	#####	M1	METRN
NAGA. 4	#####	0.666804	0.362	0.149	#####	M1	NAGA
RUFY3. 3	#####	-0.574	0.061	0.354	#####	M1	RUFY3
FIBIN. 3	#####	-0.74044	0.012	0.27	#####	M1	FIBIN
DEF6. 4	#####	0.514639	0.234	0.062	#####	M1	DEF6
CHMP1B. 4	#####	0.66214	0.583	0.409	#####	M1	CHMP1B
IGFBP5. 4	#####	-1.01015	0.041	0.314	#####	M1	IGFBP5
TNFAIP8L2 #####	0.540696	0.24	0.065	#####	M1	TNFAIP8L2	
ALDH2. 4	#####	0.629907	0.547	0.336	#####	M1	ALDH2
SRPK2. 2	#####	-0.56399	0.138	0.465	#####	M1	SRPK2
PGM2L1. 3	#####	-0.64898	0.03	0.301	#####	M1	PGM2L1
LHFP. 4	#####	-0.68213	0.016	0.275	#####	M1	LHFP
CLEC9A. 3	#####	0.500596	0.122	0.015	#####	M1	CLEC9A
TLR1. 4	#####	0.552664	0.192	0.043	#####	M1	TLR1

NME1. 2	#####	-0.58404	0.296	0.622	#####	M1	NME1
CARHSP1. 3	#####	-0.59809	0.15	0.478	#####	M1	CARHSP1
NRCAM. 3	#####	-0.57631	0.038	0.316	#####	M1	NRCAM
IGF1. 3	#####	0.542917	0.18	0.038	#####	M1	IGF1
BEX2. 3	#####	-0.80815	0.035	0.302	#####	M1	BEX2
SMARCA4. 3	#####	-0.55402	0.104	0.412	#####	M1	SMARCA4
ITM2B. 3	#####	0.256653	0.871	0.785	#####	M1	ITM2B
THBD. 4	#####	0.600628	0.236	0.066	#####	M1	THBD
CHN1. 3	#####	-0.57181	0.009	0.257	#####	M1	CHN1
C12orf57.	#####	-0.58004	0.241	0.596	#####	M1	C12orf57
CLIC4. 3	#####	-0.61255	0.082	0.383	#####	M1	CLIC4
CD01. 4	#####	-0.71633	0.02	0.278	#####	M1	CD01
AP005530.	#####	0.363424	0.112	0.012	#####	M1	AP005530. 2
NT5C3B. 3	#####	-0.53693	0.083	0.382	#####	M1	NT5C3B
TMSB4X. 4	#####	-0.32756	1	0.996	#####	M1	TMSB4X
MT1M. 2	#####	-0.86897	0.027	0.287	#####	M1	MT1M
CLU. 4	#####	-0.73029	0.62	0.815	#####	M1	CLU
TAL1. 2	#####	0.487872	0.124	0.016	#####	M1	TAL1
ACTB. 4	#####	-0.31832	0.994	0.992	#####	M1	ACTB
MAP1LC3A.	#####	-0.58565	0.113	0.416	#####	M1	MAP1LC3A
ID4. 3	#####	-0.73824	0.01	0.257	#####	M1	ID4
TRAF4. 3	#####	-0.59728	0.043	0.314	#####	M1	TRAF4
B4GALT1. 4	#####	0.638898	0.274	0.089	#####	M1	B4GALT1
SPARCL1. 3	#####	-0.92409	0.108	0.393	#####	M1	SPARCL1
PTPRS. 4	#####	-0.64797	0.036	0.302	#####	M1	PTPRS
HMGB3. 3	#####	-0.63374	0.05	0.325	#####	M1	HMGB3
ATP6VOE1.	#####	0.240289	0.856	0.741	#####	M1	ATP6VOE1
RBFOX2. 3	#####	-0.62062	0.011	0.257	#####	M1	RBFOX2
COL6A1. 3	#####	-0.65281	0.018	0.271	#####	M1	COL6A1
STOM. 3	#####	0.575701	0.44	0.213	#####	M1	STOM
IKZF1. 4	#####	0.504137	0.184	0.041	#####	M1	IKZF1
EGFR. 3	#####	-0.73254	0.068	0.347	#####	M1	EGFR
SFMBT2. 4	#####	0.58935	0.206	0.052	#####	M1	SFMBT2
KLHL6. 4	#####	0.531554	0.156	0.029	#####	M1	KLHL6
NANS. 4	#####	0.620178	0.53	0.325	#####	M1	NANS
ANXA11. 4	#####	0.600766	0.396	0.18	#####	M1	ANXA11
HLA-F. 4	#####	0.609733	0.311	0.113	#####	M1	HLA-F
VAV1. 4	#####	0.510926	0.199	0.049	#####	M1	VAV1
SKAP2. 3	#####	0.577467	0.46	0.232	#####	M1	SKAP2
GCSH. 4	#####	-0.60421	0.103	0.396	#####	M1	GCSH
RPS6KA1. 4	#####	0.569375	0.288	0.099	#####	M1	RPS6KA1
CHPF. 3	#####	-0.54461	0.038	0.303	#####	M1	CHPF
GLIPR1. 3	#####	0.575173	0.521	0.297	#####	M1	GLIPR1
ETV1. 4	#####	-0.67019	0.031	0.287	#####	M1	ETV1
TGFB1. 4	#####	0.655856	0.415	0.21	#####	M1	TGFB1
MSI2. 2	#####	-0.58213	0.081	0.37	#####	M1	MSI2
PPP2R2B. 3	#####	-0.64034	0.014	0.26	#####	M1	PPP2R2B
FKBP10. 4	#####	-0.5836	0.011	0.252	#####	M1	FKBP10
POLR2I. 3	#####	-0.58227	0.27	0.609	#####	M1	POLR2I
RIN3. 4	#####	0.558722	0.265	0.085	#####	M1	RIN3
LMO4. 4	#####	-0.57883	0.218	0.53	#####	M1	LMO4

FJX1. 3	#####	-0.63182	0.006	0.241	#####	M1	FJX1
SV2A. 2	#####	-0.51276	0.006	0.241	#####	M1	SV2A
NABP1. 3	#####	0.568466	0.278	0.093	#####	M1	NABP1
MILR1. 4	#####	0.585886	0.24	0.07	#####	M1	MILR1
PNMA1. 3	#####	-0.5273	0.056	0.329	#####	M1	PNMA1
KCNQ2. 3	#####	-0.59155	0.013	0.255	#####	M1	KCNQ2
MAP1A. 3	#####	-0.59231	0.022	0.271	#####	M1	MAP1A
FAM181B. 4	#####	-0.64582	0.008	0.243	#####	M1	FAM181B
GRIA2. 3	#####	-0.60916	0.013	0.252	#####	M1	GRIA2
PBX1. 3	#####	-0.5576	0.014	0.254	#####	M1	PBX1
REEP2. 2	#####	-0.50929	0.007	0.241	#####	M1	REEP2
RP11-553L	#####	-0.5228	0.021	0.267	#####	M1	RP11-553L6. 5
PPP1R14B.	#####	-0.57965	0.103	0.393	#####	M1	PPP1R14B
TRIM9. 3	#####	-0.53976	0.024	0.274	#####	M1	TRIM9
SIGLEC9. 4	#####	0.514188	0.23	0.065	#####	M1	SIGLEC9
TTC3. 3	#####	-0.5401	0.261	0.567	#####	M1	TTC3
YWHAH. 4	#####	0.440319	0.662	0.546	#####	M1	YWHAH
SLC39A6. 2	#####	-0.49959	0.087	0.376	#####	M1	SLC39A6
JDP2. 4	#####	0.545334	0.19	0.047	#####	M1	JDP2
ENG. 4	#####	0.556274	0.333	0.131	#####	M1	ENG
LHFPL2. 3	#####	0.635866	0.319	0.129	#####	M1	LHFPL2
RAB3IP. 2	#####	-0.61143	0.035	0.289	#####	M1	RAB3IP
HLA-B. 3	#####	0.139776	0.991	0.824	#####	M1	HLA-B
APBA2. 4	#####	-0.51571	0.013	0.246	#####	M1	APBA2
IL6R. 4	#####	0.5674	0.214	0.06	#####	M1	IL6R
AES. 3	#####	-0.52255	0.152	0.462	#####	M1	AES
SEMA6A. 3	#####	-0.52234	0.009	0.238	#####	M1	SEMA6A
SPP1. 2	#####	0.162266	0.938	0.837	#####	M1	SPP1
STK17B. 4	#####	0.5963	0.286	0.102	#####	M1	STK17B
TCIRG1. 4	#####	0.539517	0.276	0.095	#####	M1	TCIRG1
CRYAB. 4	#####	-0.98429	0.261	0.548	#####	M1	CRYAB
DOCK2. 4	#####	0.501099	0.201	0.052	#####	M1	DOCK2
FERMT2. 4	#####	-0.49398	0.011	0.241	#####	M1	FERMT2
GLRX. 3	#####	0.472489	0.576	0.351	#####	M1	GLRX
TREM1. 3	#####	0.482531	0.339	0.129	#####	M1	TREM1
RCN2. 3	#####	-0.5264	0.213	0.518	#####	M1	RCN2
PLVAP. 2	#####	0.373241	0.109	0.014	#####	M1	PLVAP
CCDC167. 2	#####	-0.53683	0.134	0.433	#####	M1	CCDC167
MANBAL. 4	#####	-0.49473	0.096	0.383	#####	M1	MANBAL
COPS8. 4	#####	-0.52988	0.197	0.524	#####	M1	COPS8
HEPN1. 3	#####	-0.71623	0.014	0.243	#####	M1	HEPN1
RGMA. 3	#####	-0.57374	0.011	0.238	#####	M1	RGMA
CCND2. 4	#####	-0.5791	0.095	0.373	#####	M1	CCND2
SLC7A5. 4	#####	0.621372	0.289	0.108	#####	M1	SLC7A5
SCRG1. 3	#####	-0.71214	0.119	0.391	#####	M1	SCRG1
FNDC4. 2	#####	-0.49944	0.01	0.236	#####	M1	FNDC4
TCEA2. 3	#####	-0.50783	0.124	0.417	#####	M1	TCEA2
CLN8. 4	#####	0.674484	0.433	0.236	#####	M1	CLN8
GAPT. 4	#####	0.481446	0.17	0.038	#####	M1	GAPT
SEPT7. 4	#####	-0.51152	0.476	0.748	#####	M1	7-Sep
CCNH. 4	#####	0.637531	0.555	0.383	#####	M1	CCNH

CD81. 3	#####	0.529612	0.592	0.408	#####	M1	CD81
LARP6. 3	#####	-0.56763	0.007	0.23	#####	M1	LARP6
FAM177B. 2	#####	0.3971	0.111	0.015	#####	M1	FAM177B
MAPK10. 3	#####	-0.55353	0.009	0.232	#####	M1	MAPK10
HLA-C. 2	#####	0.177469	0.941	0.775	#####	M1	HLA-C
PRAM1. 4	#####	0.478609	0.156	0.032	#####	M1	PRAM1
NBEAL1. 2	#####	0.318045	0.798	0.638	#####	M1	NBEAL1
PCDH17. 2	#####	-0.53933	0.007	0.228	#####	M1	PCDH17
TMEM52B. 4	#####	0.472936	0.145	0.028	#####	M1	TMEM52B
FGD2. 4	#####	0.507105	0.17	0.039	#####	M1	FGD2
TTL7. 4	#####	-0.45952	0.033	0.278	#####	M1	TTL7
FBP1. 4	#####	0.485547	0.265	0.087	#####	M1	FBP1
TAF7. 3	#####	-0.51431	0.278	0.609	#####	M1	TAF7
DKK3. 2	#####	-0.51274	0.012	0.237	#####	M1	DKK3
NCKAP1. 2	#####	-0.45521	0.006	0.225	#####	M1	NCKAP1
MEIS2. 3	#####	-0.67041	0.015	0.241	#####	M1	MEIS2
SLAIN1. 4	#####	-0.62008	0.015	0.241	#####	M1	SLAIN1
CASP1. 3	#####	0.557558	0.4	0.191	#####	M1	CASP1
VGLL4. 2	#####	-0.48519	0.088	0.363	#####	M1	VGLL4
DCX. 4	#####	-0.69281	0.017	0.242	#####	M1	DCX
YWHAE. 3	#####	-0.37389	0.589	0.785	#####	M1	YWHAE
IL1RN. 4	#####	0.544593	0.194	0.051	#####	M1	IL1RN
C1orf21. 4	#####	-0.55118	0.013	0.238	#####	M1	C1orf21
COL9A3. 4	#####	-0.65548	0.006	0.222	#####	M1	COL9A3
C10orf11. 4	#####	0.515954	0.234	0.074	#####	M1	C10orf11
DYNC1LI2. 4	#####	-0.47255	0.106	0.392	#####	M1	DYNC1LI2
WDR54. 4	#####	-0.52248	0.034	0.274	#####	M1	WDR54
GGH. 2	#####	-0.54645	0.053	0.305	#####	M1	GGH
VCAN. 2	#####	-0.58248	0.043	0.287	#####	M1	VCAN
CCDC28B. 3	#####	-0.48746	0.024	0.258	#####	M1	CCDC28B
PRR13. 2	#####	0.408003	0.675	0.517	#####	M1	PRR13
CA2. 2	#####	-0.82398	0.032	0.264	#####	M1	CA2
SRP9. 2	#####	-0.43691	0.434	0.73	#####	M1	SRP9
IL4R. 4	#####	0.514298	0.185	0.048	#####	M1	IL4R
KLHL7. 2	#####	-0.47383	0.064	0.322	#####	M1	KLHL7
BLVRA. 3	#####	-0.55631	0.107	0.386	#####	M1	BLVRA
ACOT7. 3	#####	-0.54894	0.032	0.266	#####	M1	ACOT7
RASAL3. 4	#####	0.437644	0.162	0.036	#####	M1	RASAL3
SYK. 4	#####	0.504943	0.243	0.078	#####	M1	SYK
GPRC5B. 2	#####	-0.54123	0.026	0.257	#####	M1	GPRC5B
THRA. 2	#####	-0.56378	0.04	0.279	#####	M1	THRA
AP1S1. 4	#####	-0.51212	0.207	0.52	#####	M1	AP1S1
BUD31. 4	#####	-0.49188	0.362	0.681	#####	M1	BUD31
PNRC1. 4	#####	0.43653	0.64	0.52	#####	M1	PNRC1
RNF24. 1	#####	-0.48992	0.045	0.289	#####	M1	RNF24
MT1E. 4	#####	-0.85281	0.156	0.425	#####	M1	MT1E
DOCK4. 3	#####	0.638512	0.311	0.132	#####	M1	DOCK4
EFEMP2. 2	#####	-0.52977	0.025	0.252	#####	M1	EFEMP2
DSEL. 4	#####	-0.5549	0.032	0.264	#####	M1	DSEL
POU2F2. 4	#####	0.586145	0.281	0.106	#####	M1	POU2F2
WRB. 3	#####	-0.47629	0.164	0.471	#####	M1	WRB

CREB5. 3	#####	-0.53005	0.037	0.275	#####	M1	CREB5
BOD1. 3	#####	-0.46132	0.08	0.347	#####	M1	BOD1
MEX3A. 3	#####	-0.54243	0.004	0.213	#####	M1	MEX3A
TCTEX1D2.	#####	-0.53816	0.033	0.266	#####	M1	TCTEX1D2
RGS18. 4	#####	0.436361	0.152	0.032	#####	M1	RGS18
LY96. 4	#####	0.56677	0.384	0.19	#####	M1	LY96
ARHGAP9. 4	#####	0.495787	0.21	0.061	#####	M1	ARHGAP9
SQLE. 2	#####	-0.46371	0.045	0.289	#####	M1	SQLE
ITGB8. 2	#####	-0.4586	0.04	0.28	#####	M1	ITGB8
ATP1B2. 4	#####	-0.5175	0.035	0.272	#####	M1	ATP1B2
SIPA1. 4	#####	0.587665	0.281	0.111	#####	M1	SIPA1
ICOSLG. 4	#####	0.555018	0.215	0.066	#####	M1	ICOSLG
PYCR1. 1	#####	-0.46648	0.008	0.22	#####	M1	PYCR1
FAM92A1. 2	#####	-0.49909	0.018	0.238	#####	M1	FAM92A1
GNA15. 4	#####	0.501034	0.247	0.082	#####	M1	GNA15
SMCO4. 4	#####	0.542251	0.277	0.104	#####	M1	SMCO4
EMB. 4	#####	0.44187	0.193	0.051	#####	M1	EMB
SLC1A3. 3	#####	0.453529	0.635	0.445	#####	M1	SLC1A3
FLNA. 3	#####	-0.49344	0.048	0.291	#####	M1	FLNA
MAGI1. 4	#####	-0.53256	0.016	0.234	#####	M1	MAGI1
HIF1A. 3	#####	0.478409	0.61	0.474	#####	M1	HIF1A
ARC. 2	#####	-0.69775	0.025	0.245	#####	M1	ARC
NELFCD. 2	#####	-0.46651	0.108	0.383	#####	M1	NELFCD
RP11-620J	#####	-0.64036	0.066	0.311	#####	M1	RP11-620J15. 3
RP11-556E	#####	0.451313	0.156	0.035	#####	M1	RP11-556E13. 1
PAICS. 3	#####	-0.52228	0.088	0.352	#####	M1	PAICS
F3. 4	#####	-0.56041	0.013	0.227	#####	M1	F3
FGR. 4	#####	0.502686	0.204	0.059	#####	M1	FGR
ASCL1. 3	#####	-0.64868	0.011	0.221	#####	M1	ASCL1
BCHE. 2	#####	-0.54855	0.011	0.222	#####	M1	BCHE
FBXO21. 2	#####	-0.46497	0.087	0.352	#####	M1	FBXO21
POLD4. 2	#####	0.449963	0.577	0.39	#####	M1	POLD4
CBX1. 3	#####	-0.50018	0.134	0.414	1.01E-99	M1	CBX1
TCOF1. 4	#####	0.714088	0.342	0.165	1.14E-99	M1	TCOF1
SPAG16. 4	#####	-0.4938	0.079	0.34	2.12E-99	M1	SPAG16
CADM2. 3	#####	-0.60648	0.013	0.223	2.13E-99	M1	CADM2
ZNF302. 3	#####	-0.41998	0.088	0.36	3.10E-99	M1	ZNF302
DCLK2. 4	#####	-0.49748	0.017	0.232	3.25E-99	M1	DCLK2
SRI. 4	#####	-0.49514	0.535	0.768	7.14E-99	M1	SRI
RP11-489C	#####	0.363053	0.101	0.013	1.02E-98	M1	RP11-489018. 1
TNC. 3	#####	-0.61732	0.019	0.237	1.16E-98	M1	TNC
AKR1A1. 2	#####	0.49553	0.616	0.474	1.53E-98	M1	AKR1A1
LRRC25. 4	#####	0.503774	0.219	0.067	1.79E-98	M1	LRRC25
PTRF. 4	#####	-0.50809	0.011	0.22	1.83E-98	M1	PTRF
PPIC. 2	#####	-0.53464	0.01	0.218	2.14E-98	M1	PPIC
CAPN2. 1	#####	-0.4569	0.051	0.293	2.71E-98	M1	CAPN2
SYTL3. 4	#####	0.504018	0.172	0.043	3.35E-98	M1	SYTL3
PLTP. 2	#####	0.444856	0.61	0.442	4.26E-98	M1	PLTP
NAE1. 2	#####	-0.47632	0.111	0.386	4.65E-98	M1	NAE1
CSNK1E. 3	#####	-0.43438	0.087	0.35	9.04E-98	M1	CSNK1E
TCF4. 4	#####	-0.50522	0.287	0.57	1.85E-97	M1	TCF4

KIF3A. 2	#####	-0.48637	0.041	0.273	2.74E-97	M1	KIF3A
OLFML2B. 3	#####	0.541351	0.177	0.046	3.70E-97	M1	OLFML2B
NDUFA5. 2	#####	-0.4587	0.311	0.63	4.20E-97	M1	NDUFA5
LYPD1. 2	#####	-0.55674	0.018	0.231	7.34E-97	M1	LYPD1
MYEF2. 3	#####	-0.43491	0.017	0.229	8.36E-97	M1	MYEF2
SAMHD1. 4	#####	0.579373	0.373	0.183	9.89E-97	M1	SAMHD1
IL16. 4	#####	0.459431	0.178	0.046	1.09E-96	M1	IL16
DNAAF1. 3	#####	0.457891	0.098	0.013	1.35E-96	M1	DNAAF1
PRR7. 4	#####	-0.43033	0.014	0.223	1.72E-96	M1	PRR7
SPATS2. 2	#####	-0.42592	0.056	0.299	1.87E-96	M1	SPATS2
HOPX. 3	#####	-0.90969	0.092	0.321	2.28E-96	M1	HOPX
TBCA. 3	#####	-0.44573	0.492	0.754	2.41E-96	M1	TBCA
GLUL. 1	#####	0.154787	0.892	0.765	2.45E-96	M1	GLUL
CLIP3. 3	#####	-0.4866	0.019	0.233	2.49E-96	M1	CLIP3
TAGLN3. 3	#####	-0.67882	0.016	0.222	3.56E-96	M1	TAGLN3
PLCB2. 4	#####	0.463153	0.165	0.04	4.11E-96	M1	PLCB2
LGALS3. 3	#####	-0.84324	0.271	0.523	4.72E-96	M1	LGALS3
UBA7. 4	#####	0.546864	0.198	0.058	4.82E-96	M1	UBA7
C1R. 4	#####	-0.8736	0.032	0.252	4.83E-96	M1	C1R
MAPK8IP1.	#####	-0.50241	0.016	0.226	5.83E-96	M1	MAPK8IP1
SRGAP2. 3	#####	0.706023	0.378	0.203	6.20E-96	M1	SRGAP2
ENC1. 4	#####	-0.555	0.038	0.262	9.34E-96	M1	ENC1
RND3. 3	#####	-0.5963	0.049	0.282	9.65E-96	M1	RND3
PTMS. 3	#####	-0.50378	0.354	0.593	1.09E-95	M1	PTMS
KB-1507C5	#####	0.341359	0.09	0.01	1.21E-95	M1	KB-1507C5. 4
ISCU. 3	#####	0.419764	0.652	0.549	1.46E-95	M1	ISCU
CKAP4. 2	1.09E-99	-0.42491	0.027	0.246	1.64E-95	M1	CKAP4
BNIP3. 3	1.18E-99	-0.59518	0.031	0.252	1.76E-95	M1	BNIP3
SRSF5. 1	1.34E-99	0.342752	0.763	0.68	2.00E-95	M1	SRSF5
ST3GAL6. 4	1.50E-99	0.610742	0.241	0.085	2.24E-95	M1	ST3GAL6
AK1. 2	1.58E-99	-0.43263	0.109	0.381	2.36E-95	M1	AK1
TGIF1. 3	1.99E-99	0.631399	0.496	0.33	2.97E-95	M1	TGIF1
CDC42BPA.	2.04E-99	-0.43372	0.01	0.213	3.05E-95	M1	CDC42BPA
SMAD1. 2	2.19E-99	-0.45808	0.009	0.211	3.27E-95	M1	SMAD1
SCOC. 3	2.72E-99	-0.45273	0.169	0.463	4.07E-95	M1	SCOC
TMSB15A. 4	7.05E-99	-0.60145	0.011	0.212	1.05E-94	M1	TMSB15A
MBOAT2. 3	7.18E-99	-0.45097	0.012	0.216	1.07E-94	M1	MBOAT2
IGFBP7. 2	7.87E-99	-0.73382	0.074	0.308	1.18E-94	M1	IGFBP7
TMC6. 4	7.91E-99	0.499331	0.244	0.084	1.18E-94	M1	TMC6
GRIA3. 3	1.90E-98	-0.44019	0.005	0.201	2.84E-94	M1	GRIA3
NR2F1. 1	2.27E-98	-0.42981	0.003	0.198	3.40E-94	M1	NR2F1
EEF1D. 4	2.61E-98	0.190527	0.926	0.829	3.89E-94	M1	EEF1D
RAC3. 3	4.74E-98	-0.43666	0.013	0.217	7.09E-94	M1	RAC3
MAGEF1. 3	5.02E-98	-0.45225	0.131	0.41	7.51E-94	M1	MAGEF1
ODC1. 3	5.42E-98	-0.51193	0.167	0.439	8.09E-94	M1	ODC1
HRAS. 4	6.40E-98	-0.42921	0.082	0.336	9.56E-94	M1	HRAS
SKA2. 2	7.60E-98	-0.4906	0.095	0.349	1.14E-93	M1	SKA2
HHEX. 4	8.22E-98	0.471033	0.157	0.038	1.23E-93	M1	HHEX
AGT. 2	8.72E-98	-0.70573	0.037	0.257	1.30E-93	M1	AGT
RHOA. 2	1.03E-97	0.212997	0.824	0.741	1.54E-93	M1	RHOA
SIGLEC14.	1.29E-97	0.411822	0.133	0.027	1.93E-93	M1	SIGLEC14



PSAT1. 3	1. 40E-97	-0. 56965	0. 026	0. 239	2. 09E-93 M1	PSAT1
TPM3. 4	2. 19E-97	0. 39767	0. 656	0. 539	3. 27E-93 M1	TPM3
PRRX1. 4	2. 44E-97	-0. 48829	0. 007	0. 204	3. 64E-93 M1	PRRX1
CRNDE. 1	4. 17E-97	-0. 4639	0. 012	0. 212	6. 23E-93 M1	CRNDE
TMEM106B. 4	6. 67E-97	-0. 41566	0. 107	0. 375	6. 97E-93 M1	TMEM106B
MFNG. 4	6. 49E-97	0. 509445	0. 265	0. 099	9. 69E-93 M1	MFNG
SEPT9. 2	6. 89E-97	-0. 49801	0. 122	0. 385	1. 03E-92 M1	9-Sep
SHISA4. 3	7. 24E-97	-0. 48415	0. 053	0. 285	1. 08E-92 M1	SHISA4
SIDT1. 3	1. 02E-96	0. 407685	0. 088	0. 01	1. 53E-92 M1	SIDT1
PGRMC1. 2	1. 27E-96	-0. 42251	0. 2	0. 497	1. 90E-92 M1	PGRMC1
AKAP12. 4	1. 54E-96	-0. 54203	0. 017	0. 221	2. 30E-92 M1	AKAP12
CBX5. 3	1. 57E-96	-0. 44077	0. 12	0. 389	2. 34E-92 M1	CBX5
FAIM2. 3	1. 83E-96	-0. 56554	0. 019	0. 226	2. 74E-92 M1	FAIM2
SRPX. 3	2. 13E-96	-0. 59301	0. 011	0. 21	3. 19E-92 M1	SRPX
ICAM1. 3	3. 42E-96	0. 590698	0. 309	0. 135	5. 11E-92 M1	ICAM1
HES6. 3	3. 49E-96	-0. 64163	0. 087	0. 326	5. 22E-92 M1	HES6
PXMP2. 2	3. 49E-96	-0. 41447	0. 038	0. 26	5. 22E-92 M1	PXMP2
CYSTM1. 4	4. 35E-96	-0. 51237	0. 109	0. 368	6. 50E-92 M1	CYSTM1
RGS17. 2	4. 68E-96	-0. 48108	0. 003	0. 194	6. 99E-92 M1	RGS17
PHYHIPL. 2	5. 01E-96	-0. 62875	0. 017	0. 219	7. 48E-92 M1	PHYHIPL
WDR34. 2	6. 52E-96	-0. 41287	0. 029	0. 243	9. 74E-92 M1	WDR34
ROB01. 4	9. 29E-96	-0. 45095	0. 012	0. 211	1. 39E-91 M1	ROB01
TCEAL2. 2	9. 59E-96	-0. 69058	0. 014	0. 213	1. 43E-91 M1	TCEAL2
DHPS. 3	9. 81E-96	-0. 45606	0. 199	0. 497	1. 47E-91 M1	DHPS
FUOM. 4	1. 02E-95	0. 586418	0. 281	0. 113	1. 52E-91 M1	FUOM
EPN2. 4	1. 04E-95	-0. 44053	0. 047	0. 275	1. 55E-91 M1	EPN2
TMSB15B. 3	1. 36E-95	-0. 47043	0. 014	0. 215	2. 03E-91 M1	TMSB15B
RGCC. 3	1. 38E-95	0. 516137	0. 415	0. 217	2. 06E-91 M1	RGCC
TIMM22. 1	1. 45E-95	-0. 39608	0. 05	0. 281	2. 17E-91 M1	TIMM22
SMARCD3. 3	1. 65E-95	-0. 42566	0. 044	0. 269	2. 46E-91 M1	SMARCD3
C8orf4. 3	1. 70E-95	-0. 90279	0. 045	0. 264	2. 54E-91 M1	C8orf4
LSP1. 4	1. 82E-95	0. 485399	0. 326	0. 134	2. 72E-91 M1	LSP1
TMEM45A. 2	2. 30E-95	-0. 63235	0. 012	0. 209	3. 43E-91 M1	TMEM45A
NAT14. 1	5. 89E-95	-0. 40545	0. 013	0. 213	8. 80E-91 M1	NAT14
TPST1. 2	6. 77E-95	-0. 42075	0. 048	0. 278	1. 01E-90 M1	TPST1
PLBD1. 4	7. 94E-95	0. 497389	0. 214	0. 07	1. 19E-90 M1	PLBD1
RAMP1. 3	7. 97E-95	-0. 75995	0. 194	0. 456	1. 19E-90 M1	RAMP1
CCR1. 3	7. 99E-95	0. 512355	0. 196	0. 059	1. 19E-90 M1	CCR1
HEXA. 3	1. 10E-94	0. 544134	0. 527	0. 362	1. 65E-90 M1	HEXA
ARHGAP30. 1	2. 3E-94	0. 472914	0. 217	0. 07	1. 84E-90 M1	ARHGAP30
PTPN7. 4	1. 31E-94	0. 489951	0. 191	0. 056	1. 96E-90 M1	PTPN7
TMEM14A. 3	2. 49E-94	-0. 46742	0. 109	0. 367	3. 73E-90 M1	TMEM14A
MAD2L2. 3	2. 63E-94	-0. 46393	0. 164	0. 438	3. 93E-90 M1	MAD2L2
BCAR1. 2	2. 71E-94	-0. 43294	0. 01	0. 204	4. 04E-90 M1	BCAR1
CTXN1. 4	2. 88E-94	-0. 40638	0. 003	0. 191	4. 30E-90 M1	CTXN1
CDC42EP4. 3	3. 38E-94	-0. 50112	0. 027	0. 236	5. 05E-90 M1	CDC42EP4
IGFBP3. 2	4. 43E-94	-0. 79187	0. 026	0. 228	6. 62E-90 M1	IGFBP3
PHGDH. 3	5. 45E-94	-0. 6151	0. 028	0. 234	8. 14E-90 M1	PHGDH
HSD11B1L. 6	8. 5E-94	-0. 41612	0. 029	0. 24	1. 02E-89 M1	HSD11B1L
LRMP. 3	7. 14E-94	0. 404507	0. 131	0. 027	1. 07E-89 M1	LRMP
PDRG1. 2	8. 50E-94	-0. 38495	0. 067	0. 308	1. 27E-89 M1	PDRG1

SOX8. 4	1. 77E-93	-0. 56579	0. 014	0. 21	2. 65E-89 M1	SOX8
SEPT11. 4	1. 78E-93	-0. 4381	0. 094	0. 345	2. 66E-89 M1	11-Sep
PRKCD. 4	1. 85E-93	0. 491976	0. 191	0. 058	2. 77E-89 M1	PRKCD
POLR2J3. 3	2. 11E-93	-0. 38577	0. 117	0. 383	3. 15E-89 M1	POLR2J3
RP11-14N7	2. 50E-93	-0. 46499	0. 03	0. 24	3. 74E-89 M1	RP11-14N7. 2
NDN. 4	2. 88E-93	-0. 44469	0. 025	0. 231	4. 30E-89 M1	NDN
RALA. 3	3. 29E-93	-0. 42898	0. 135	0. 405	4. 92E-89 M1	RALA
MAP3K13. 3	3. 43E-93	-0. 43039	0. 157	0. 441	5. 13E-89 M1	MAP3K13
DTD1. 4	4. 50E-93	-0. 42849	0. 159	0. 438	6. 73E-89 M1	DTD1
SERP1. 4	5. 40E-93	0. 360895	0. 672	0. 59	8. 06E-89 M1	SERP1
NPAS3. 4	5. 55E-93	-0. 43411	0. 004	0. 19	8. 30E-89 M1	NPAS3
MAGEH1. 3	6. 39E-93	-0. 45982	0. 106	0. 36	9. 55E-89 M1	MAGEH1
AK4. 4	6. 70E-93	-0. 48787	0. 015	0. 212	1. 00E-88 M1	AK4
HILPDA. 3	7. 92E-93	-0. 66832	0. 045	0. 263	1. 18E-88 M1	HILPDA
LSAMP. 2	9. 28E-93	-0. 5679	0. 012	0. 204	1. 39E-88 M1	LSAMP
C3orf14. 2	1. 14E-92	-0. 49452	0. 071	0. 303	1. 71E-88 M1	C3orf14
MOB1A. 4	1. 16E-92	0. 53832	0. 481	0. 312	1. 73E-88 M1	MOB1A
F2R. 4	1. 35E-92	-0. 39837	0. 009	0. 201	2. 02E-88 M1	F2R
PER1. 3	1. 75E-92	0. 585659	0. 331	0. 155	2. 62E-88 M1	PER1
ZNF462. 4	1. 82E-92	-0. 47815	0. 014	0. 209	2. 72E-88 M1	ZNF462
IRAK3. 4	2. 07E-92	0. 491623	0. 181	0. 052	3. 10E-88 M1	IRAK3
CALU. 3	2. 08E-92	-0. 44773	0. 169	0. 45	3. 11E-88 M1	CALU
AREG. 4	5. 01E-92	0. 563874	0. 167	0. 044	7. 49E-88 M1	AREG
CNIH3. 1	5. 39E-92	-0. 44839	0. 01	0. 2	8. 05E-88 M1	CNIH3
ADRB2. 2	1. 04E-91	0. 45345	0. 133	0. 028	1. 56E-87 M1	ADRB2
DPP7. 4	1. 25E-91	0. 472559	0. 578	0. 445	1. 87E-87 M1	DPP7
DLEU7. 3	1. 66E-91	0. 424127	0. 14	0. 032	2. 49E-87 M1	DLEU7
NDFIP2. 2	1. 69E-91	-0. 41327	0. 023	0. 226	2. 52E-87 M1	NDFIP2
GPC2. 4	2. 56E-91	-0. 57372	0. 011	0. 2	3. 82E-87 M1	GPC2
C8orf33. 1	2. 73E-91	-0. 3991	0. 105	0. 361	4. 08E-87 M1	C8orf33
SNTG1. 3	2. 98E-91	-0. 57251	0. 002	0. 184	4. 45E-87 M1	SNTG1
EI24. 2	2. 99E-91	-0. 40223	0. 19	0. 482	4. 46E-87 M1	EI24
KLHL23. 4	3. 66E-91	-0. 46627	0. 007	0. 192	5. 47E-87 M1	KLHL23
FAM134B. 2	4. 66E-91	-0. 42062	0. 009	0. 197	6. 96E-87 M1	FAM134B
ZFHX4. 4	6. 14E-91	-0. 40452	0. 002	0. 182	9. 18E-87 M1	ZFHX4
NAP1L4. 3	6. 31E-91	-0. 43538	0. 17	0. 45	9. 42E-87 M1	NAP1L4
CD40. 4	6. 44E-91	0. 421224	0. 17	0. 046	9. 62E-87 M1	CD40
CDC34. 3	1. 03E-90	-0. 39808	0. 05	0. 272	1. 53E-86 M1	CDC34
NRXN1. 3	1. 04E-90	-0. 63366	0. 009	0. 194	1. 55E-86 M1	NRXN1
MYO6. 2	1. 14E-90	-0. 43195	0. 045	0. 261	1. 71E-86 M1	MYO6
TM7SF2. 3	1. 38E-90	-0. 43844	0. 048	0. 267	2. 06E-86 M1	TM7SF2
PEBP1. 4	1. 57E-90	-0. 39464	0. 65	0. 835	2. 35E-86 M1	PEBP1
JAG1. 3	1. 76E-90	-0. 41625	0. 006	0. 19	2. 63E-86 M1	JAG1
FAM127A. 1	1. 93E-90	-0. 42839	0. 214	0. 508	2. 89E-86 M1	FAM127A
PDCD5. 4	2. 05E-90	-0. 47924	0. 286	0. 59	3. 07E-86 M1	PDCD5
BCAN. 4	2. 27E-90	-0. 73508	0. 09	0. 313	3. 39E-86 M1	BCAN
NSG1. 4	2. 49E-90	-0. 73773	0. 018	0. 207	3. 73E-86 M1	NSG1
DYNLL1. 3	3. 13E-90	-0. 37733	0. 698	0. 864	4. 68E-86 M1	DYNLL1
TERF2IP. 4	3. 34E-90	-0. 47979	0. 287	0. 564	5. 00E-86 M1	TERF2IP
TMEM9. 4	3. 77E-90	-0. 43848	0. 141	0. 412	5. 63E-86 M1	TMEM9
CBS. 3	4. 02E-90	-0. 40858	0. 005	0. 188	6. 01E-86 M1	CBS

DLGAP4.1	6.75E-90	-0.41841	0.09	0.334	1.01E-85	M1	DLGAP4
MYO10.3	7.07E-90	-0.45373	0.026	0.228	1.06E-85	M1	MYO10
TMEM54.2	7.58E-90	-0.40146	0.027	0.229	1.13E-85	M1	TMEM54
BAZ1B.4	9.26E-90	-0.40908	0.094	0.339	1.38E-85	M1	BAZ1B
RNF180.3	1.10E-89	-0.42683	0.011	0.199	1.65E-85	M1	RNF180
MAP9.2	1.19E-89	-0.42433	0.023	0.222	1.78E-85	M1	MAP9
VBP1.3	1.38E-89	-0.42283	0.238	0.537	2.06E-85	M1	VBP1
TLE1.2	1.89E-89	-0.38276	0.012	0.201	2.83E-85	M1	TLE1
LINC00665	2.03E-89	-0.38917	0.021	0.219	3.04E-85	M1	LINC00665
TROVE2.3	2.25E-89	-0.42767	0.195	0.481	3.36E-85	M1	TROVE2
GDI1.3	2.43E-89	-0.38474	0.238	0.535	3.63E-85	M1	GDI1
CD72.3	2.61E-89	0.400005	0.14	0.033	3.90E-85	M1	CD72
IFT57.4	4.30E-89	-0.44894	0.06	0.285	6.43E-85	M1	IFT57
NRSN2.3	5.84E-89	-0.37193	0.01	0.195	8.73E-85	M1	NRSN2
SOCS2.3	7.11E-89	-0.44847	0.006	0.187	1.06E-84	M1	SOCS2
DPYSL4.4	9.18E-89	-0.40616	0.005	0.184	1.37E-84	M1	DPYSL4
WDR60.1	9.55E-89	-0.41302	0.051	0.268	1.43E-84	M1	WDR60
S100A9.4	9.76E-89	0.465038	0.393	0.19	1.46E-84	M1	S100A9
DPYSL5.4	9.81E-89	-0.41951	0.009	0.194	1.47E-84	M1	DPYSL5
FOXG1.3	1.78E-88	-0.37546	0.004	0.183	2.66E-84	M1	FOXG1
HDAC2.4	2.31E-88	-0.41188	0.214	0.495	3.46E-84	M1	HDAC2
PLOD2.3	2.96E-88	-0.44219	0.009	0.193	4.42E-84	M1	PLOD2
SFXN1.2	2.97E-88	-0.39855	0.041	0.252	4.43E-84	M1	SFXN1
OLIG2.3	3.26E-88	-0.58355	0.02	0.21	4.87E-84	M1	OLIG2
PGAP1.3	3.63E-88	-0.39877	0.021	0.216	5.42E-84	M1	PGAP1
GSTO1.3	4.87E-88	0.430268	0.6	0.427	7.27E-84	M1	GSTO1
MIAT.3	5.95E-88	-0.55265	0.013	0.199	8.89E-84	M1	MIAT
SH2B3.4	6.49E-88	0.583972	0.228	0.085	9.69E-84	M1	SH2B3
PRR4.4	6.87E-88	-0.41841	0.042	0.251	1.03E-83	M1	PRR4
MCM7.3	7.95E-88	-0.50975	0.07	0.291	1.19E-83	M1	MCM7
COL6A2.3	8.22E-88	-0.52698	0.01	0.193	1.23E-83	M1	COL6A2
DTNA.3	1.17E-87	-0.52662	0.066	0.29	1.75E-83	M1	DTNA
NNT-AS1.3	2.42E-87	-0.40806	0.045	0.257	3.62E-83	M1	NNT-AS1
KIF1B.3	3.10E-87	-0.39486	0.093	0.334	4.64E-83	M1	KIF1B
RHBDD2.3	3.92E-87	-0.40729	0.22	0.507	5.86E-83	M1	RHBDD2
ZKSCAN1.3	5.12E-87	-0.36185	0.107	0.358	7.66E-83	M1	ZKSCAN1
CHL1.2	7.18E-87	-0.44278	0.005	0.182	1.07E-82	M1	CHL1
SPOCD1.2	1.07E-86	-0.6996	0.044	0.252	1.60E-82	M1	SPOCD1
UPF3A.3	1.15E-86	-0.40384	0.129	0.388	1.71E-82	M1	UPF3A
HINT1.2	1.29E-86	-0.37306	0.683	0.857	1.92E-82	M1	HINT1
TJP1.2	1.42E-86	-0.39994	0.021	0.212	2.12E-82	M1	TJP1
NT5DC2.3	1.49E-86	-0.38534	0.012	0.195	2.23E-82	M1	NT5DC2
BMP7.4	1.69E-86	-0.42035	0.013	0.196	2.52E-82	M1	BMP7
PPFIBP1.2	1.74E-86	-0.40836	0.007	0.186	2.61E-82	M1	PPFIBP1
JAKMIP2.2	1.82E-86	-0.40478	0.005	0.18	2.72E-82	M1	JAKMIP2
UBE2V2.3	1.88E-86	-0.429	0.252	0.544	2.81E-82	M1	UBE2V2
POU3F3.3	1.93E-86	-0.41388	0.007	0.184	2.89E-82	M1	POU3F3
ANK2.4	2.06E-86	-0.3841	0.012	0.194	3.07E-82	M1	ANK2
TUBB.2	2.47E-86	-0.39381	0.631	0.799	3.70E-82	M1	TUBB
FFAR4.2	3.08E-86	0.337991	0.098	0.016	4.61E-82	M1	FFAR4
NDRG4.4	3.32E-86	-0.4238	0.01	0.19	4.96E-82	M1	NDRG4

SYNE2. 4	3. 71E-86	-0. 44	0. 018	0. 205	5. 54E-82 M1	SYNE2
FNBPI1L. 4	4. 57E-86	-0. 44569	0. 025	0. 217	6. 83E-82 M1	FNBPI1L
OLIG1. 4	4. 85E-86	-0. 70317	0. 023	0. 211	7. 25E-82 M1	OLIG1
ATP6V1B2.	7. 02E-86	0. 525186	0. 53	0. 384	1. 05E-81 M1	ATP6V1B2
MORN2. 4	1. 01E-85	-0. 46773	0. 074	0. 3	1. 52E-81 M1	MORN2
EFEMP1. 3	1. 06E-85	-0. 84214	0. 049	0. 255	1. 58E-81 M1	EFEMP1
PMP22. 3	1. 10E-85	-0. 57133	0. 215	0. 47	1. 64E-81 M1	PMP22
SASH3. 4	1. 14E-85	0. 438263	0. 185	0. 057	1. 71E-81 M1	SASH3
TFRC. 3	1. 51E-85	0. 616859	0. 345	0. 182	2. 25E-81 M1	TFRC
DOK5. 3	1. 60E-85	-0. 43222	0. 023	0. 215	2. 40E-81 M1	DOK5
LUC7L3. 2	2. 59E-85	-0. 40534	0. 267	0. 559	3. 87E-81 M1	LUC7L3
TEAD1. 2	2. 71E-85	-0. 34306	0. 002	0. 173	4. 04E-81 M1	TEAD1
IFNGR2. 4	2. 97E-85	0. 509254	0. 502	0. 367	4. 44E-81 M1	IFNGR2
HNMT. 3	4. 61E-85	0. 489786	0. 371	0. 188	6. 89E-81 M1	HNMT
RENBP. 4	5. 16E-85	0. 514658	0. 266	0. 109	7. 72E-81 M1	RENBP
PHAX. 2	7. 60E-85	-0. 41553	0. 103	0. 346	1. 14E-80 M1	PHAX
RP11-161M	8. 44E-85	-0. 52754	0. 015	0. 197	1. 26E-80 M1	RP11-161M6. 2
HSPBP1. 1	9. 35E-85	-0. 36786	0. 09	0. 327	1. 40E-80 M1	HSPBP1
ASNS. 4	1. 08E-84	-0. 48384	0. 021	0. 208	1. 62E-80 M1	ASNS
WWTR1. 4	1. 84E-84	-0. 40326	0. 011	0. 19	2. 75E-80 M1	WWTR1
GIPC1. 2	1. 87E-84	-0. 3934	0. 077	0. 306	2. 79E-80 M1	GIPC1
WASF2. 4	1. 99E-84	0. 480106	0. 549	0. 416	2. 98E-80 M1	WASF2
BICD1. 2	2. 23E-84	-0. 36278	0. 037	0. 238	3. 34E-80 M1	BICD1
ALDH7A1. 1	2. 99E-84	-0. 43843	0. 085	0. 314	4. 47E-80 M1	ALDH7A1
PITPNA-AS	3. 33E-84	-0. 41187	0. 032	0. 228	4. 98E-80 M1	PITPNA-AS1
ARL5A. 3	3. 89E-84	0. 421445	0. 596	0. 501	5. 81E-80 M1	ARL5A
SEPT8. 4	6. 07E-84	-0. 45231	0. 033	0. 228	9. 07E-80 M1	8-Sep
APBB1. 3	6. 59E-84	-0. 41391	0. 029	0. 222	9. 85E-80 M1	APBB1
MX2. 4	6. 83E-84	0. 454998	0. 16	0. 045	1. 02E-79 M1	MX2
PTS. 3	6. 96E-84	-0. 39454	0. 118	0. 368	1. 04E-79 M1	PTS
JAM3. 1	8. 09E-84	-0. 41437	0. 006	0. 178	1. 21E-79 M1	JAM3
RND2. 3	8. 16E-84	-0. 40873	0. 013	0. 193	1. 22E-79 M1	RND2
DMWD. 3	9. 32E-84	-0. 3447	0. 002	0. 169	1. 39E-79 M1	DMWD
FAM84A. 3	9. 61E-84	-0. 40479	0. 003	0. 173	1. 44E-79 M1	FAM84A
TMEM219. 3	1. 17E-83	0. 374226	0. 651	0. 542	1. 76E-79 M1	TMEM219
PIGX. 3	1. 18E-83	-0. 34882	0. 068	0. 29	1. 77E-79 M1	PIGX
KIF2A. 4	1. 26E-83	-0. 38318	0. 058	0. 271	1. 89E-79 M1	KIF2A
ENHO. 3	1. 35E-83	-0. 38864	0. 007	0. 179	2. 01E-79 M1	ENHO
ACAP3. 4	1. 35E-83	-0. 43603	0. 046	0. 25	2. 02E-79 M1	ACAP3
CITED1. 3	1. 37E-83	-0. 51624	0. 007	0. 18	2. 05E-79 M1	CITED1
PPP2CB. 4	1. 55E-83	-0. 4014	0. 1	0. 336	2. 31E-79 M1	PPP2CB
CARD9. 4	1. 92E-83	0. 441274	0. 167	0. 049	2. 86E-79 M1	CARD9
ACO69363.	2. 08E-83	0. 45363	0. 138	0. 034	3. 11E-79 M1	ACO69363. 1
KNOP1. 3	2. 14E-83	-0. 39216	0. 074	0. 297	3. 20E-79 M1	KNOP1
CBR1. 3	2. 40E-83	-0. 47832	0. 248	0. 522	3. 59E-79 M1	CBR1
IFT81. 2	2. 46E-83	-0. 35683	0. 011	0. 189	3. 68E-79 M1	IFT81
TGFBI. 4	2. 48E-83	0. 449367	0. 368	0. 173	3. 70E-79 M1	TGFBI
ELAVL4. 3	2. 74E-83	-0. 68763	0. 026	0. 209	4. 10E-79 M1	ELAVL4
SEC11A. 3	3. 13E-83	0. 330488	0. 676	0. 574	4. 68E-79 M1	SEC11A
METTL7B. 1	3. 64E-83	-0. 69844	0. 047	0. 245	5. 44E-79 M1	METTL7B
GADD45A. 4	4. 07E-83	-0. 51464	0. 089	0. 317	6. 09E-79 M1	GADD45A

FBX017.4	7.12E-83	-0.39632	0.004	0.172	1.06E-78	M1	FBX017
MED19.1	7.33E-83	-0.37232	0.088	0.32	1.10E-78	M1	MED19
ACTN4.2	7.84E-83	-0.39192	0.125	0.374	1.17E-78	M1	ACTN4
B3GNT5.4	9.50E-83	0.664143	0.263	0.117	1.42E-78	M1	B3GNT5
DPP6.2	9.96E-83	-0.40638	0.013	0.191	1.49E-78	M1	DPP6
LDLRAD3.3	1.00E-82	-0.38029	0.021	0.207	1.50E-78	M1	LDLRAD3
TMEM132A.1	1.10E-82	-0.35324	0.004	0.173	1.64E-78	M1	TMEM132A
CDKN2C.2	1.15E-82	-0.51697	0.095	0.32	1.72E-78	M1	CDKN2C
RDX.3	1.50E-82	-0.42124	0.267	0.535	2.23E-78	M1	RDX
GOS2.3	1.57E-82	0.576406	0.321	0.156	2.35E-78	M1	GOS2
TMEM106C.1	1.70E-82	-0.42554	0.079	0.304	2.54E-78	M1	TMEM106C
FOXN3.4	1.73E-82	0.579977	0.392	0.228	2.58E-78	M1	FOXN3
GPSM2.3	1.76E-82	-0.41461	0.022	0.208	2.63E-78	M1	GPSM2
HIST2H2AA.1	1.98E-82	0.492805	0.157	0.044	2.96E-78	M1	HIST2H2AA3
UBE2S.4	2.51E-82	-0.45054	0.138	0.385	3.76E-78	M1	UBE2S
CAP1.3	3.42E-82	0.334996	0.662	0.578	5.11E-78	M1	CAP1
GCA.4	4.01E-82	0.535028	0.442	0.27	5.99E-78	M1	GCA
GPNMB.4	7.04E-82	0.484001	0.354	0.17	1.05E-77	M1	GPNMB
CCNL1.2	7.15E-82	0.434293	0.616	0.506	1.07E-77	M1	CCNL1
BHLHE41.3	8.74E-82	0.613936	0.342	0.181	1.31E-77	M1	BHLHE41
TRIM47.4	8.91E-82	-0.42269	0.025	0.21	1.33E-77	M1	TRIM47
HPSE.3	9.90E-82	0.404703	0.15	0.04	1.48E-77	M1	HPSE
FAM20A.3	1.55E-81	0.420734	0.151	0.041	2.31E-77	M1	FAM20A
SEMA6D.4	1.86E-81	-0.40333	0.012	0.186	2.79E-77	M1	SEMA6D
BPGM.1	2.02E-81	-0.40063	0.059	0.269	3.01E-77	M1	BPGM
TGFBR1.4	2.21E-81	0.549795	0.291	0.136	3.31E-77	M1	TGFBR1
SSBP2.4	2.27E-81	-0.41131	0.082	0.308	3.39E-77	M1	SSBP2
ACTN1.3	2.70E-81	-0.43361	0.074	0.291	4.04E-77	M1	ACTN1
WEE1.2	2.96E-81	-0.37013	0.008	0.178	4.42E-77	M1	WEE1
BMP2K.2	2.96E-81	0.519133	0.234	0.093	4.42E-77	M1	BMP2K
RFX4.2	3.28E-81	-0.47305	0.009	0.179	4.90E-77	M1	RFX4
NDUFA4.3	3.62E-81	-0.31789	0.824	0.909	5.42E-77	M1	NDUFA4
HEPACAM.3	3.64E-81	-0.53566	0.025	0.208	5.44E-77	M1	HEPACAM
LINCO1003.3	3.73E-81	-0.36756	0.033	0.224	5.57E-77	M1	LINCO1003
FAM200B.2	4.32E-81	-0.37257	0.15	0.41	6.46E-77	M1	FAM200B
HTRA1.4	7.99E-81	0.410012	0.58	0.436	1.19E-76	M1	HTRA1
VAMP2.3	8.61E-81	-0.40824	0.399	0.667	1.29E-76	M1	VAMP2
ZNF3.2	1.08E-80	-0.39648	0.042	0.238	1.62E-76	M1	ZNF3
FSD1.3	1.29E-80	-0.35455	0.011	0.183	1.92E-76	M1	FSD1
C11orf49.1	1.29E-80	-0.37047	0.061	0.272	1.92E-76	M1	C11orf49
EMP1.2	1.37E-80	-0.505	0.025	0.209	2.05E-76	M1	EMP1
UBE2D3.3	1.41E-80	0.248011	0.772	0.719	2.11E-76	M1	UBE2D3
TMEM158.3	2.10E-80	-0.39106	0.003	0.167	3.14E-76	M1	TMEM158
APC.4	2.27E-80	-0.36019	0.046	0.247	3.39E-76	M1	APC
DDX49.2	2.68E-80	-0.37154	0.086	0.312	4.00E-76	M1	DDX49
MYLIP.4	2.98E-80	0.531121	0.253	0.104	4.45E-76	M1	MYLIP
NKX2-2.3	3.82E-80	-0.51902	0.008	0.175	5.71E-76	M1	NKX2-2
PCDHB16.2	4.15E-80	-0.3724	0.004	0.167	6.21E-76	M1	PCDHB16
CDKN2D.4	4.40E-80	-0.4216	0.015	0.189	6.57E-76	M1	CDKN2D
ABI2.2	4.85E-80	-0.33787	0.147	0.405	7.24E-76	M1	ABI2
TRIM24.4	8.38E-80	-0.33337	0.033	0.223	1.25E-75	M1	TRIM24

RGS16.3	9.01E-80	0.560095	0.41	0.249	1.35E-75 M1	RGS16
SNAP25.3	1.02E-79	-0.56695	0.006	0.17	1.53E-75 M1	SNAP25
FGF20.2	1.26E-79	0.321716	0.069	0.007	1.88E-75 M1	FGF20
CALM1.4	1.68E-79	-0.33248	0.643	0.797	2.51E-75 M1	CALM1
S100A6.4	1.98E-79	-0.64767	0.472	0.678	2.97E-75 M1	S100A6
OLFM1.3	2.07E-79	-0.43038	0.01	0.179	3.09E-75 M1	OLFM1
HEXB.4	2.07E-79	0.479829	0.522	0.382	3.10E-75 M1	HEXB
SGCE.2	2.35E-79	-0.65037	0.008	0.174	3.52E-75 M1	SGCE
PDAP1.2	3.35E-79	-0.38232	0.296	0.584	5.01E-75 M1	PDAP1
TSPAN6.3	5.23E-79	-0.40469	0.01	0.178	7.81E-75 M1	TSPAN6
SUN1.4	5.70E-79	-0.3684	0.044	0.241	8.52E-75 M1	SUN1
NCF2.4	6.44E-79	0.418764	0.218	0.078	9.62E-75 M1	NCF2
B4GALT5.2	7.72E-79	-0.37974	0.038	0.228	1.15E-74 M1	B4GALT5
DRAXIN.3	7.83E-79	-0.36038	0.011	0.181	1.17E-74 M1	DRAXIN
SOAT1.4	1.06E-78	0.566791	0.329	0.171	1.59E-74 M1	SOAT1
IRF5.4	1.37E-78	0.465022	0.148	0.041	2.05E-74 M1	IRF5
CHRNE.3	1.74E-78	0.343239	0.087	0.014	2.59E-74 M1	CHRNE
APC2.3	1.83E-78	-0.39587	0.009	0.176	2.74E-74 M1	APC2
NOL3.4	2.11E-78	-0.43513	0.02	0.195	3.15E-74 M1	NOL3
DCLK1.2	2.14E-78	-0.40489	0.011	0.179	3.20E-74 M1	DCLK1
ANXA6	2.69E-78	-0.42584	0.032	0.215	4.02E-74 M1	ANXA6
ARPC1A.4	3.03E-78	-0.3972	0.317	0.607	4.53E-74 M1	ARPC1A
DPF3.1	4.13E-78	-0.36902	0.003	0.163	6.17E-74 M1	DPF3
DPF1.3	4.22E-78	-0.4252	0.006	0.167	6.31E-74 M1	DPF1
FCGR2B.4	4.44E-78	0.5635	0.275	0.118	6.63E-74 M1	FCGR2B
YWHAG.4	4.58E-78	-0.39643	0.18	0.433	6.85E-74 M1	YWHAG
GARS.4	5.24E-78	-0.38409	0.104	0.331	7.82E-74 M1	GARS
CNP.3	5.29E-78	-0.53679	0.169	0.419	7.90E-74 M1	CNP
MYH10.2	5.89E-78	-0.37927	0.013	0.181	8.81E-74 M1	MYH10
LPXN.4	6.82E-78	0.503974	0.226	0.087	1.02E-73 M1	LPXN
KHDRBS3.4	9.96E-78	-0.38836	0.049	0.248	1.49E-73 M1	KHDRBS3
AQP4.3	9.99E-78	-0.61274	0.021	0.194	1.49E-73 M1	AQP4
ZC2HC1A.3	1.04E-77	-0.43064	0.049	0.243	1.55E-73 M1	ZC2HC1A
SLC16A1.4	1.26E-77	-0.43891	0.064	0.267	1.88E-73 M1	SLC16A1
ATP6V1G2.1	1.50E-77	-0.41455	0.011	0.177	2.24E-73 M1	ATP6V1G2
RNF187.2	1.55E-77	-0.41293	0.167	0.42	2.32E-73 M1	RNF187
CBX6.2	1.55E-77	-0.37544	0.067	0.275	2.32E-73 M1	CBX6
CCZ1.1	1.79E-77	-0.34461	0.143	0.393	2.68E-73 M1	CCZ1
PABPC4.4	2.03E-77	0.556243	0.445	0.305	3.03E-73 M1	PABPC4
C1orf122.2	2.04E-77	-0.44809	0.269	0.532	3.04E-73 M1	C1orf122
KIF9.4	2.22E-77	-0.37982	0.025	0.204	3.31E-73 M1	KIF9
PREPL.2	2.92E-77	-0.38214	0.035	0.219	4.37E-73 M1	PREPL
AC074289.3	3.05E-77	0.488004	0.151	0.043	4.55E-73 M1	AC074289.1
PROX1.3	3.36E-77	-0.37125	0.019	0.193	5.03E-73 M1	PROX1
LTBR.4	3.52E-77	0.472006	0.204	0.073	5.26E-73 M1	LTBR
PTCRA.2	4.10E-77	0.303156	0.08	0.012	6.12E-73 M1	PTCRA
PSD3.3	4.56E-77	-0.35923	0.038	0.226	6.82E-73 M1	PSD3
MLF2.4	6.54E-77	-0.38595	0.382	0.654	9.77E-73 M1	MLF2
UBE2E3.3	7.61E-77	-0.40114	0.241	0.504	1.14E-72 M1	UBE2E3
C21orf62.7	7.79E-77	-0.43723	0.016	0.186	1.16E-72 M1	C21orf62
ENDOV.1	9.04E-77	-0.32337	0.053	0.254	1.35E-72 M1	ENDOV

TCHH	9.38E-77	0.276139	0.07	0.008	1.40E-72	M1	TCHH
THSD7A.3	1.14E-76	-0.55918	0.009	0.169	1.70E-72	M1	THSD7A
DAG1.2	1.24E-76	-0.32032	0.025	0.203	1.86E-72	M1	DAG1
SMOX.4	1.37E-76	-0.43206	0.072	0.282	2.04E-72	M1	SMOX
PCGF2.2	1.41E-76	-0.32572	0.019	0.191	2.11E-72	M1	PCGF2
TSC22D4.4	1.47E-76	-0.57456	0.268	0.51	2.19E-72	M1	TSC22D4
PCMTD2.3	1.49E-76	-0.33982	0.059	0.261	2.23E-72	M1	PCMTD2
ACSM5.1	1.60E-76	0.334643	0.1	0.019	2.40E-72	M1	ACSM5
CDK4.2	1.61E-76	-0.46304	0.261	0.529	2.40E-72	M1	CDK4
TNFSF10.2	1.88E-76	0.386007	0.174	0.054	2.82E-72	M1	TNFSF10
FAM3C.3	3.23E-76	-0.38447	0.219	0.481	4.83E-72	M1	FAM3C
PICALM.4	3.30E-76	0.561116	0.406	0.256	4.94E-72	M1	PICALM
MIS18BP1.3	4.7E-76	0.563426	0.267	0.122	5.19E-72	M1	MIS18BP1
ZSCAN18.2	4.18E-76	-0.35048	0.062	0.265	6.25E-72	M1	ZSCAN18
CEND1.2	4.39E-76	-0.37357	0.006	0.165	6.56E-72	M1	CEND1
TPGS2.1	5.24E-76	-0.36976	0.137	0.379	7.83E-72	M1	TPGS2
NT5C3A.2	5.66E-76	-0.36523	0.106	0.332	8.46E-72	M1	NT5C3A
SQRDL.4	7.46E-76	0.486266	0.292	0.134	1.11E-71	M1	SQRDL
EHBP1.2	8.50E-76	-0.32129	0.022	0.196	1.27E-71	M1	EHBP1
GCAT.4	1.12E-75	-0.30429	0.019	0.19	1.67E-71	M1	GCAT
POSTN.3	1.27E-75	-0.49754	0.002	0.155	1.90E-71	M1	POSTN
MAF.3	1.36E-75	0.486063	0.257	0.11	2.03E-71	M1	MAF
KLC1.4	1.44E-75	-0.35229	0.154	0.401	2.15E-71	M1	KLC1
C5orf24.3	2.13E-75	-0.34131	0.106	0.334	3.18E-71	M1	C5orf24
NFATC2.2	2.22E-75	0.369237	0.125	0.03	3.31E-71	M1	NFATC2
DTX3.1	2.83E-75	-0.50243	0.084	0.289	4.23E-71	M1	DTX3
RBM4B.2	3.45E-75	-0.34673	0.038	0.223	5.15E-71	M1	RBM4B
RP3-525N1	3.54E-75	-0.43672	0.013	0.177	5.29E-71	M1	RP3-525N10.2
SETD5.4	3.83E-75	-0.36652	0.101	0.326	5.72E-71	M1	SETD5
CCT2	4.11E-75	-0.45094	0.322	0.59	6.14E-71	M1	CCT2
LRRC4B.4	4.20E-75	-0.32123	0.004	0.159	6.28E-71	M1	LRRC4B
NLGN1.3	4.21E-75	-0.34272	0.007	0.164	6.29E-71	M1	NLGN1
DCTN3	4.21E-75	-0.38131	0.285	0.563	6.29E-71	M1	DCTN3
TPM2.1	4.68E-75	-0.44009	0.021	0.191	6.99E-71	M1	TPM2
KIAA1191.4	4.87E-75	-0.3435	0.085	0.3	7.28E-71	M1	KIAA1191
COLGALT2.4	4.98E-75	-0.34611	0.007	0.165	7.44E-71	M1	COLGALT2
ASNSD1.3	5.69E-75	-0.33572	0.09	0.307	8.50E-71	M1	ASNSD1
IPO9.2	5.81E-75	-0.317	0.062	0.265	8.68E-71	M1	IPO9
NUDT16L1.8	0.6E-75	-0.32893	0.097	0.318	1.20E-70	M1	NUDT16L1
CSTF3.2	8.80E-75	-0.36825	0.088	0.303	1.31E-70	M1	CSTF3
KCNQ10T1.9	0.1E-75	-0.41874	0.098	0.314	1.35E-70	M1	KCNQ10T1
CTNNAL1.3	9.54E-75	-0.34363	0.012	0.174	1.43E-70	M1	CTNNAL1
S100A8.4	9.89E-75	0.397596	0.329	0.156	1.48E-70	M1	S100A8
ZNF75A.3	1.02E-74	-0.34293	0.052	0.247	1.52E-70	M1	ZNF75A
ST8SIA4.4	1.04E-74	0.523123	0.233	0.096	1.55E-70	M1	ST8SIA4
TMEM237.2	1.04E-74	-0.34641	0.035	0.217	1.56E-70	M1	TMEM237
LHX2.4	1.13E-74	-0.34858	0.003	0.155	1.69E-70	M1	LHX2
FOS.3	1.17E-74	0.145301	0.959	0.817	1.74E-70	M1	FOS
ELOF1.3	1.25E-74	-0.38894	0.204	0.468	1.87E-70	M1	ELOF1
CFDP1.3	1.27E-74	-0.35925	0.194	0.46	1.89E-70	M1	CFDP1
APMAP.3	1.38E-74	0.438265	0.586	0.504	2.06E-70	M1	APMAP

ZNF608.2	1.60E-74	-0.31666	0.018	0.185	2.39E-70 M1	ZNF608
LIMCH1.3	1.75E-74	-0.41255	0.015	0.179	2.62E-70 M1	LIMCH1
CTNND2.3	1.82E-74	-0.37188	0.018	0.186	2.71E-70 M1	CTNND2
NUCB2.1	1.97E-74	-0.36876	0.147	0.387	2.94E-70 M1	NUCB2
PAK3.4	2.00E-74	-0.45568	0.01	0.17	2.99E-70 M1	PAK3
IFNLR1.2	3.17E-74	0.296552	0.081	0.012	4.74E-70 M1	IFNLR1
ASPHD1.2	3.27E-74	-0.40787	0.007	0.164	4.88E-70 M1	ASPHD1
NXPH1.4	3.66E-74	-0.41912	0.007	0.162	5.47E-70 M1	NXPH1
MXRA7.2	3.78E-74	-0.34499	0.024	0.196	5.66E-70 M1	MXRA7
SCARA3.3	3.90E-74	-0.34167	0.007	0.164	5.82E-70 M1	SCARA3
SSRP1.2	3.97E-74	-0.35948	0.151	0.396	5.94E-70 M1	SSRP1
PIK3R5.4	5.87E-74	0.381352	0.126	0.032	8.77E-70 M1	PIK3R5
BBOX1.3	6.17E-74	-0.4691	0.007	0.163	9.23E-70 M1	BBOX1
PTPRA.3	9.23E-74	-0.38127	0.155	0.394	1.38E-69 M1	PTPRA
TYMS.3	1.11E-73	-0.43499	0.022	0.189	1.66E-69 M1	TYMS
CDC25B.2	1.13E-73	-0.36317	0.041	0.225	1.69E-69 M1	CDC25B
GIMAP1.3	1.15E-73	0.422716	0.169	0.054	1.72E-69 M1	GIMAP1
TNRC6C.3	1.27E-73	-0.36535	0.028	0.201	1.90E-69 M1	TNRC6C
CHST12.2	1.36E-73	-0.30178	0.073	0.28	2.04E-69 M1	CHST12
MLLT4.3	1.45E-73	-0.37192	0.022	0.19	2.16E-69 M1	MLLT4
C19orf38.1	1.58E-73	0.431404	0.126	0.032	2.36E-69 M1	C19orf38
SLC2A3.3	1.85E-73	0.534233	0.392	0.227	2.77E-69 M1	SLC2A3
SOBP.3	2.24E-73	-0.3759	0.006	0.16	3.35E-69 M1	SOBP
ITGAM.4	2.37E-73	0.403864	0.173	0.056	3.54E-69 M1	ITGAM
CLCN3.2	2.41E-73	-0.34566	0.077	0.283	3.60E-69 M1	CLCN3
RP11-71N1	3.07E-73	-0.39267	0.007	0.162	4.59E-69 M1	RP11-71N10.1
CHST2.2	3.31E-73	-0.32083	0.007	0.162	4.95E-69 M1	CHST2
SLC25A5.1	3.40E-73	0.222162	0.782	0.709	5.09E-69 M1	SLC25A5
CISD1.4	3.46E-73	-0.4271	0.141	0.376	5.17E-69 M1	CISD1
MPP1.4	4.34E-73	0.507827	0.334	0.174	6.48E-69 M1	MPP1
PELI1.4	4.55E-73	0.590129	0.336	0.184	6.80E-69 M1	PELI1
CBX3.3	4.80E-73	-0.36301	0.328	0.599	7.17E-69 M1	CBX3
EAF2.4	4.86E-73	0.521026	0.196	0.072	7.26E-69 M1	EAF2
IMMP1L.3	4.93E-73	-0.32777	0.065	0.265	7.37E-69 M1	IMMP1L
STMN2.4	5.53E-73	-0.90841	0.046	0.215	8.27E-69 M1	STMN2
NAMPT.4	5.63E-73	0.231571	0.59	0.407	8.42E-69 M1	NAMPT
CHD7.4	6.07E-73	-0.38069	0.107	0.325	9.08E-69 M1	CHD7
SUGP2.3	6.61E-73	-0.30379	0.074	0.281	9.87E-69 M1	SUGP2
CNIH2.4	6.68E-73	-0.33104	0.004	0.155	9.99E-69 M1	CNIH2
MAP4.2	6.81E-73	-0.32974	0.137	0.375	1.02E-68 M1	MAP4
SLC15A3.3	7.02E-73	0.400831	0.161	0.05	1.05E-68 M1	SLC15A3
KEAP1.2	7.44E-73	-0.28927	0.091	0.308	1.11E-68 M1	KEAP1
CERS1.2	8.08E-73	-0.33794	0.003	0.153	1.21E-68 M1	CERS1
RP11-353N	1.14E-72	0.28115	0.075	0.011	1.71E-68 M1	RP11-353N4.5
ZNF711.3	1.25E-72	-0.38953	0.011	0.168	1.87E-68 M1	ZNF711
LINC00662	1.40E-72	-0.38296	0.035	0.213	2.09E-68 M1	LINC00662
GNG12.2	1.64E-72	-0.32092	0.009	0.164	2.45E-68 M1	GNG12
ALKBH4.2	1.65E-72	-0.31321	0.044	0.229	2.47E-68 M1	ALKBH4
C8orf46.2	1.73E-72	-0.45981	0.01	0.165	2.58E-68 M1	C8orf46
GTF2I.3	1.79E-72	-0.39079	0.224	0.467	2.68E-68 M1	GTF2I
KCNF1.4	1.98E-72	-0.378	0.001	0.148	2.96E-68 M1	KCNF1



DTYMK.3	2.00E-72	-0.39182	0.137	0.368	3.00E-68	M1	DTYMK
LCP1.3	2.26E-72	0.39508	0.271	0.116	3.38E-68	M1	LCP1
RSBN1L.2	2.74E-72	-0.30928	0.153	0.396	4.10E-68	M1	RSBN1L
NPTXR.3	2.95E-72	-0.31749	0.003	0.152	4.41E-68	M1	NPTXR
MSI1.2	3.02E-72	-0.35954	0.008	0.161	4.51E-68	M1	MSI1
RAMP2.3	3.12E-72	-0.39084	0.008	0.161	4.66E-68	M1	RAMP2
TGFBR2.3	3.27E-72	0.519929	0.227	0.095	4.89E-68	M1	TGFBR2
IFT52.1	3.83E-72	-0.30912	0.082	0.291	5.72E-68	M1	IFT52
KLHL4.2	3.96E-72	-0.35418	0.003	0.152	5.92E-68	M1	KLHL4
ZNF146.2	4.08E-72	-0.33172	0.063	0.26	6.10E-68	M1	ZNF146
STX4.2	4.29E-72	0.54528	0.433	0.29	6.42E-68	M1	STX4
SLC35F1.2	4.37E-72	-0.30761	0.003	0.151	6.53E-68	M1	SLC35F1
CXADR.4	4.37E-72	-0.40992	0.124	0.344	6.54E-68	M1	CXADR
SMARCD1.4	4.64E-72	-0.32119	0.055	0.246	6.93E-68	M1	SMARCD1
CA12.4	5.20E-72	-0.40097	0.008	0.162	7.76E-68	M1	CA12
CECR1.4	5.42E-72	0.384303	0.165	0.052	8.10E-68	M1	CECR1
PEMT.3	5.53E-72	-0.36413	0.054	0.244	8.27E-68	M1	PEMT
IFT43.3	5.83E-72	-0.36809	0.083	0.292	8.71E-68	M1	IFT43
LRRC8A.3	6.44E-72	-0.37363	0.027	0.197	9.63E-68	M1	LRRC8A
PNMA2.3	7.38E-72	-0.33998	0.01	0.165	1.10E-67	M1	PNMA2
C4orf27.2	7.87E-72	-0.36225	0.127	0.357	1.18E-67	M1	C4orf27
CCDC34.2	8.41E-72	-0.38859	0.026	0.195	1.26E-67	M1	CCDC34
RP11-597D	8.76E-72	0.346029	0.078	0.012	1.31E-67	M1	RP11-597D13.8
PLEKH02.4	9.53E-72	0.467677	0.208	0.081	1.42E-67	M1	PLEKH02
RFK.2	9.55E-72	-0.33844	0.071	0.271	1.43E-67	M1	RFK
NIFK.2	1.12E-71	-0.36568	0.15	0.388	1.67E-67	M1	NIFK
AASDHPPT.1	1.13E-71	-0.34163	0.104	0.325	1.69E-67	M1	AASDHPPT
CD164.3	1.14E-71	0.406547	0.581	0.472	1.70E-67	M1	CD164
SPATC1L.3	1.22E-71	-0.32486	0.043	0.225	1.82E-67	M1	SPATC1L
KIFAP3.3	1.33E-71	-0.36295	0.049	0.234	1.99E-67	M1	KIFAP3
WSCD1.3	1.34E-71	-0.35226	0.006	0.156	2.00E-67	M1	WSCD1
TNIK.2	1.50E-71	-0.29699	0.013	0.17	2.23E-67	M1	TNIK
SLC25A19.1	1.84E-71	0.554201	0.29	0.144	2.76E-67	M1	SLC25A19
POLR2J.3	1.95E-71	-0.39474	0.414	0.689	2.91E-67	M1	POLR2J
C2.2	2.02E-71	0.442472	0.229	0.092	3.02E-67	M1	C2
MEIS3.2	2.10E-71	-0.34769	0.005	0.154	3.13E-67	M1	MEIS3
CLECL1.4	2.41E-71	0.3134	0.125	0.032	3.59E-67	M1	CLECL1
TLR3.1	3.06E-71	0.322129	0.098	0.02	4.57E-67	M1	TLR3
CLUAP1.3	4.57E-71	-0.3608	0.028	0.196	6.83E-67	M1	CLUAP1
C1S.2	4.90E-71	-0.6845	0.024	0.19	7.32E-67	M1	C1S
TLK1.1	5.32E-71	-0.3172	0.065	0.261	7.95E-67	M1	TLK1
WASL.2	6.40E-71	-0.29425	0.036	0.213	9.56E-67	M1	WASL
RNASEH1-A	7.50E-71	-0.33158	0.034	0.207	1.12E-66	M1	RNASEH1-AS1
VDAC3.1	7.65E-71	-0.36701	0.241	0.509	1.14E-66	M1	VDAC3
KYNU.4	8.22E-71	0.461145	0.183	0.064	1.23E-66	M1	KYNU
ING4.2	8.35E-71	-0.3152	0.092	0.302	1.25E-66	M1	ING4
USP1.3	1.09E-70	-0.35764	0.087	0.293	1.63E-66	M1	USP1
C12orf76.1	1.12E-70	-0.29028	0.089	0.302	1.67E-66	M1	C12orf76
CCDC14.2	1.15E-70	-0.31126	0.064	0.259	1.72E-66	M1	CCDC14
NETO2.2	1.26E-70	-0.29866	0.023	0.189	1.89E-66	M1	NETO2
EIF3L.2	1.27E-70	0.339607	0.673	0.593	1.89E-66	M1	EIF3L

ITGA7.2	1.40E-70	-0.29941	0.01	0.162	2.10E-66	M1	ITGA7
RPAIN.2	1.71E-70	-0.33594	0.261	0.53	2.56E-66	M1	RPAIN
P4HTM.2	1.78E-70	-0.29322	0.087	0.296	2.67E-66	M1	P4HTM
SPTAN1.2	2.17E-70	-0.31495	0.086	0.295	3.24E-66	M1	SPTAN1
IFI44L.2	2.28E-70	0.495589	0.263	0.117	3.41E-66	M1	IFI44L
ATF7IP2.3	2.29E-70	0.376928	0.114	0.027	3.42E-66	M1	ATF7IP2
SLC43A2.4	2.37E-70	0.576541	0.364	0.222	3.54E-66	M1	SLC43A2
C11orf96.2	2.55E-70	-0.44302	0.009	0.159	3.82E-66	M1	C11orf96
NR2F6.3	2.65E-70	-0.29338	0.012	0.167	3.96E-66	M1	NR2F6
YES1.1	2.97E-70	-0.30788	0.007	0.155	4.45E-66	M1	YES1
REEP4.4	3.28E-70	0.534706	0.286	0.143	4.90E-66	M1	REEP4
KDM1A.2	3.45E-70	-0.3226	0.05	0.234	5.16E-66	M1	KDM1A
PJA1.2	3.76E-70	-0.36801	0.044	0.222	5.62E-66	M1	PJA1
C14orf1.3	4.10E-70	-0.37064	0.11	0.329	6.13E-66	M1	C14orf1
RAB3A.4	4.47E-70	-0.41379	0.026	0.191	6.69E-66	M1	RAB3A
COL4A2.1	4.65E-70	-0.2988	0.006	0.153	6.95E-66	M1	COL4A2
LSM5.1	5.16E-70	-0.38358	0.287	0.551	7.71E-66	M1	LSM5
ARHGAP22.5	1.7E-70	0.500177	0.167	0.056	7.73E-66	M1	ARHGAP22
SLAMF8.4	6.24E-70	0.411493	0.15	0.046	9.33E-66	M1	SLAMF8
S100A10.4	6.31E-70	-0.59064	0.364	0.581	9.43E-66	M1	S100A10
CLDN12.4	6.56E-70	-0.36557	0.011	0.164	9.81E-66	M1	CLDN12
NNMT.2	6.76E-70	-0.7403	0.024	0.185	1.01E-65	M1	NNMT
ANAPC16.2	8.22E-70	0.363535	0.616	0.507	1.23E-65	M1	ANAPC16
ABCG1.4	8.64E-70	0.478477	0.247	0.108	1.29E-65	M1	ABCG1
GAS1.4	9.52E-70	-0.39349	0.015	0.17	1.42E-65	M1	GAS1
NCBP2.2	9.73E-70	-0.31069	0.219	0.485	1.45E-65	M1	NCBP2
PPP2R1A.3	1.09E-69	-0.35018	0.286	0.561	1.63E-65	M1	PPP2R1A
RP11-345F.1	1.60E-69	-0.30107	0.026	0.192	2.39E-65	M1	RP11-345P4.9
FAM210B.4	1.60E-69	-0.3732	0.097	0.304	2.39E-65	M1	FAM210B
RP9.2	1.65E-69	-0.33854	0.036	0.208	2.47E-65	M1	RP9
MPLKIP.1	1.78E-69	-0.34037	0.221	0.489	2.66E-65	M1	MPLKIP
ARSJ.2	1.82E-69	-0.32387	0.004	0.149	2.73E-65	M1	ARSJ
GRIA4.3	1.83E-69	-0.38233	0.007	0.154	2.73E-65	M1	GRIA4
SLC1A2.2	2.12E-69	-0.40818	0.01	0.16	3.17E-65	M1	SLC1A2
DCBLD2.3	2.33E-69	-0.3161	0.014	0.169	3.49E-65	M1	DCBLD2
SPOCK2.2	2.81E-69	-0.37659	0.012	0.165	4.19E-65	M1	SPOCK2
RP11-347F.1	3.00E-69	0.47248	0.152	0.047	4.48E-65	M1	RP11-347P5.1
STARD4-AS1.3	3.32E-69	-0.34956	0.006	0.151	4.96E-65	M1	STARD4-AS1
S100A13.2	3.67E-69	-0.59453	0.122	0.331	5.49E-65	M1	S100A13
KMT2A.4	4.02E-69	-0.31157	0.072	0.269	6.01E-65	M1	KMT2A
BEND5.2	4.37E-69	-0.37911	0.011	0.162	6.53E-65	M1	BEND5
TMEM97.2	4.93E-69	-0.31466	0.032	0.2	7.36E-65	M1	TMEM97
OSBPL6.1	5.05E-69	-0.27339	0.022	0.183	7.54E-65	M1	OSBPL6
PFDN4.3	5.78E-69	-0.3551	0.16	0.399	8.63E-65	M1	PFDN4
TFEC.4	9.73E-69	0.398211	0.138	0.039	1.45E-64	M1	TFEC
TPPP3.4	9.83E-69	-0.55567	0.022	0.18	1.47E-64	M1	TPPP3
MLC1.3	1.04E-68	-0.33947	0.018	0.175	1.55E-64	M1	MLC1
MAFF.4	1.23E-68	0.519522	0.291	0.147	1.84E-64	M1	MAFF
ASIC4.3	1.41E-68	-0.54952	0.014	0.165	2.11E-64	M1	ASIC4
ST14.4	1.42E-68	0.381177	0.165	0.054	2.12E-64	M1	ST14
NABP2.3	1.43E-68	-0.32744	0.099	0.311	2.14E-64	M1	NABP2

SLC44A1.2	2.16E-68	-0.38761	0.129	0.35	3.23E-64	M1	SLC44A1
ZNF292.2	2.17E-68	-0.31391	0.092	0.298	3.24E-64	M1	ZNF292
WHSC1L1.4	2.23E-68	-0.31061	0.171	0.413	3.34E-64	M1	WHSC1L1
LYRM7.2	2.50E-68	-0.30473	0.05	0.231	3.74E-64	M1	LYRM7
QTRT1.4	2.58E-68	-0.35451	0.14	0.369	3.86E-64	M1	QTRT1
LRWD1.1	2.61E-68	-0.29939	0.031	0.198	3.90E-64	M1	LRWD1
TRIAP1.2	3.34E-68	-0.32326	0.125	0.351	5.00E-64	M1	TRIAP1
HSPA1A.3	3.46E-68	0.409939	0.623	0.466	5.16E-64	M1	HSPA1A
CNTFR.3	3.53E-68	-0.35249	0.008	0.154	5.27E-64	M1	CNTFR
STAC3.4	3.84E-68	0.423422	0.173	0.06	5.74E-64	M1	STAC3
TREML1.2	4.77E-68	0.302952	0.073	0.011	7.13E-64	M1	TREML1
ACO04158.4	4.94E-68	-0.3523	0.004	0.146	7.38E-64	M1	ACO04158.3
ARMC1.3	5.89E-68	-0.33025	0.093	0.298	8.80E-64	M1	ARMC1
NKAIN3.3	5.96E-68	-0.34741	0.006	0.149	8.90E-64	M1	NKAIN3
SLC25A23.6	2.2E-68	-0.28992	0.01	0.158	9.29E-64	M1	SLC25A23
DLX5.4	6.56E-68	-0.74139	0.019	0.169	9.80E-64	M1	DLX5
GTF2H2.2	7.49E-68	-0.29364	0.04	0.213	1.12E-63	M1	GTF2H2
NAF1.3	7.68E-68	0.545689	0.212	0.089	1.15E-63	M1	NAF1
NUDT11.2	7.80E-68	-0.39554	0.007	0.15	1.17E-63	M1	NUDT11
CHCHD10.4	8.10E-68	0.394124	0.489	0.36	1.21E-63	M1	CHCHD10
DCAF13.2	9.34E-68	-0.3256	0.13	0.355	1.40E-63	M1	DCAF13
C7orf73.3	9.42E-68	-0.38325	0.328	0.6	1.41E-63	M1	C7orf73
PPP1R18.4	1.00E-67	0.540006	0.412	0.269	1.50E-63	M1	PPP1R18
NDUFB7.4	1.04E-67	-0.37353	0.535	0.757	1.55E-63	M1	NDUFB7
MESP1.1	1.25E-67	-0.29608	0.009	0.156	1.87E-63	M1	MESP1
KIF1A.3	1.30E-67	-0.44881	0.007	0.15	1.95E-63	M1	KIF1A
PGM1.3	1.64E-67	-0.34266	0.085	0.284	2.45E-63	M1	PGM1
KRT10.2	1.82E-67	-0.36402	0.347	0.6	2.71E-63	M1	KRT10
SEZ6L.3	2.15E-67	-0.40368	0.012	0.16	3.22E-63	M1	SEZ6L
ZDHHC9.4	2.26E-67	-0.37179	0.031	0.195	3.38E-63	M1	ZDHHC9
DAPK3.2	2.37E-67	-0.30364	0.075	0.271	3.54E-63	M1	DAPK3
BCL7A.4	2.80E-67	-0.32104	0.02	0.176	4.19E-63	M1	BCL7A
GNG7.3	4.65E-67	0.504756	0.421	0.274	6.94E-63	M1	GNG7
HIP1.2	5.77E-67	-0.33296	0.031	0.195	8.62E-63	M1	HIP1
REPIN1.4	7.92E-67	-0.30654	0.1	0.309	1.18E-62	M1	REPIN1
FKBP9.3	8.07E-67	-0.30331	0.036	0.205	1.21E-62	M1	FKBP9
RFTN2.4	8.65E-67	-0.42405	0.008	0.151	1.29E-62	M1	RFTN2
TSN.2	9.32E-67	-0.31939	0.176	0.417	1.39E-62	M1	TSN
NUDT14.4	9.66E-67	0.537679	0.31	0.168	1.44E-62	M1	NUDT14
OLFM2.2	9.99E-67	-0.42995	0.047	0.22	1.49E-62	M1	OLFM2
TUBG1.2	1.38E-66	-0.32432	0.074	0.266	2.06E-62	M1	TUBG1
PAQR4.4	1.61E-66	-0.36336	0.03	0.191	2.40E-62	M1	PAQR4
TMED4.3	1.94E-66	-0.36697	0.229	0.48	2.90E-62	M1	TMED4
DDAH1.3	2.54E-66	-0.32338	0.007	0.148	3.80E-62	M1	DDAH1
MAPRE3.2	2.56E-66	-0.32735	0.039	0.207	3.83E-62	M1	MAPRE3
H1FX.4	2.77E-66	-0.35628	0.186	0.424	4.14E-62	M1	H1FX
VWA1.4	3.14E-66	-0.3287	0.018	0.169	4.69E-62	M1	VWA1
POLR2H.2	3.20E-66	-0.32061	0.136	0.36	4.77E-62	M1	POLR2H
RP11-849I	3.35E-66	-0.39272	0.011	0.156	5.00E-62	M1	RP11-849I19.1
TGFB1I1.3	3.40E-66	-0.30946	0.008	0.15	5.08E-62	M1	TGFB1I1
TBCB.2	3.45E-66	-0.39582	0.452	0.699	5.16E-62	M1	TBCB

C21orf59.	3.	51E-66	-0.28012	0.128	0.354	5.24E-62	M1	C21orf59
AP2B1.	3.	73E-66	-0.3006	0.147	0.379	5.57E-62	M1	AP2B1
MFGE8.	1.	04E-66	-0.3117	0.045	0.219	6.03E-62	M1	MFGE8
PDGFRA.	3.	24E-66	-0.42914	0.021	0.174	6.33E-62	M1	PDGFRA
ARID5A.	2.	40E-66	0.5181	0.406	0.267	6.57E-62	M1	ARID5A
ZEB1.	4.	44E-66	-0.30871	0.047	0.222	6.63E-62	M1	ZEB1
ECSIT.	2.	96E-66	-0.32051	0.097	0.302	7.42E-62	M1	ECSIT
MAN1A1.	3.	00E-66	0.376961	0.122	0.033	7.47E-62	M1	MAN1A1
TRPM2.	4.	19E-66	0.368651	0.129	0.036	9.25E-62	M1	TRPM2
SLC37A3.	2.	30E-66	-0.33687	0.01	0.153	9.42E-62	M1	SLC37A3
NCBP2-AS2.	6.	36E-66	-0.30455	0.102	0.312	9.50E-62	M1	NCBP2-AS2
SMPD1.	3.	61E-66	-0.27418	0.074	0.269	9.87E-62	M1	SMPD1
GSPT2.	2.	08E-66	-0.32482	0.021	0.175	1.06E-61	M1	GSPT2
TNFAIP1.	2.	43E-66	-0.28377	0.036	0.203	1.11E-61	M1	TNFAIP1
FLI1.	4.	44E-66	0.387377	0.129	0.036	1.11E-61	M1	FLI1
BRIX1.	4.	08E-66	-0.30918	0.087	0.287	1.36E-61	M1	BRIX1
PIPOX.	3.	26E-65	-0.31003	0.011	0.156	1.88E-61	M1	PIPOX
DEXI.	2.	29E-65	-0.29958	0.057	0.237	1.93E-61	M1	DEXI
ZNF771.	3.	30E-65	-0.27252	0.019	0.172	1.94E-61	M1	ZNF771
CDC42EP1.	1.	39E-65	-0.34666	0.009	0.152	2.08E-61	M1	CDC42EP1
KIAA1715.	1.	40E-65	-0.29419	0.089	0.288	2.09E-61	M1	KIAA1715
PLCG2.	2.	42E-65	0.340772	0.122	0.033	2.12E-61	M1	PLCG2
SMARCE1.	2.	42E-65	-0.31372	0.178	0.419	2.12E-61	M1	SMARCE1
TSPAN12.	2.	64E-65	-0.34891	0.005	0.143	2.46E-61	M1	TSPAN12
WSB2.	4.	84E-65	-0.28615	0.067	0.255	2.75E-61	M1	WSB2
EFHC1.	4.	88E-65	-0.32011	0.056	0.235	2.80E-61	M1	EFHC1
LANCL2.	4.	95E-65	-0.40682	0.024	0.178	2.92E-61	M1	LANCL2
KCNQ1.	3.	99E-65	0.325699	0.106	0.025	2.98E-61	M1	KCNQ1
ZCCHC17.	2.	13E-65	-0.3127	0.157	0.391	3.18E-61	M1	ZCCHC17
ZNF439.	3.	15E-65	-0.28557	0.02	0.173	3.22E-61	M1	ZNF439
RP11-701P.	2.	40E-65	0.259187	0.055	0.006	3.58E-61	M1	RP11-701P16.2
SLC38A1.	1.	77E-65	-0.44368	0.018	0.166	4.13E-61	M1	SLC38A1
ANKIB1.	3.	12E-65	-0.29134	0.058	0.238	4.66E-61	M1	ANKIB1
FRMD4B.	4.	37E-65	0.505537	0.279	0.135	5.04E-61	M1	FRMD4B
SOX6.	3.	60E-65	-0.31458	0.017	0.166	5.38E-61	M1	SOX6
UBE2H.	3.	98E-65	-0.28348	0.091	0.293	5.95E-61	M1	UBE2H
PAM.	3.	11E-65	-0.29537	0.031	0.192	6.13E-61	M1	PAM
MATR3.	3.	29E-65	-0.31797	0.267	0.53	6.41E-61	M1	MATR3
SACS.	4.	65E-65	-0.26569	0.024	0.181	6.95E-61	M1	SACS
AC004540.	5.	29E-65	-0.46274	0.007	0.146	7.90E-61	M1	AC004540.4
MED10.	4.	47E-65	-0.33654	0.259	0.529	9.67E-61	M1	MED10
HIST1H4C.	6.	71E-65	-0.38138	0.227	0.464	1.00E-60	M1	HIST1H4C
CD58.	4.	61E-65	0.564203	0.346	0.203	1.14E-60	M1	CD58
TMEM109.	4.	18E-65	0.493158	0.324	0.181	1.22E-60	M1	TMEM109
KLHL42.	3.	20E-65	-0.28513	0.028	0.185	1.23E-60	M1	KLHL42
TSPAN14.	3.	46E-65	0.553399	0.328	0.189	1.26E-60	M1	TSPAN14
STRA13.	9.	20E-65	-0.34273	0.237	0.494	1.38E-60	M1	STRA13
EFNA1.	2.	34E-65	-0.44417	0.01	0.152	1.40E-60	M1	EFNA1
ZNF680.	2.	02E-64	-0.33028	0.037	0.201	1.53E-60	M1	ZNF680
KDM5B.	3.	05E-64	-0.30191	0.03	0.189	1.58E-60	M1	KDM5B
DLG1.	3.	11E-64	-0.30533	0.032	0.192	1.65E-60	M1	DLG1

INSM1.4	1.20E-64	-0.36601	0.004	0.14	1.79E-60	M1	INSM1
MTHFD2L.2	1.31E-64	-0.26807	0.057	0.236	1.96E-60	M1	MTHFD2L
ITGB1BP1.1	1.33E-64	-0.34824	0.186	0.427	1.99E-60	M1	ITGB1BP1
EPDR1.3	1.39E-64	-0.28933	0.009	0.15	2.08E-60	M1	EPDR1
CDCA7L.3	1.41E-64	-0.35507	0.022	0.174	2.11E-60	M1	CDCA7L
C7orf55-L.1	1.66E-64	-0.28544	0.149	0.377	2.48E-60	M1	C7orf55-LUC7L2
RBM10.1	1.81E-64	-0.28223	0.055	0.232	2.70E-60	M1	RBM10
SERPINH1.1	1.88E-64	-0.32791	0.06	0.239	2.81E-60	M1	SERPINH1
TTC7A.4	2.41E-64	0.436613	0.163	0.057	3.61E-60	M1	TTC7A
GPT2.2	2.54E-64	-0.30341	0.021	0.172	3.80E-60	M1	GPT2
IARS.2	3.29E-64	-0.27858	0.06	0.241	4.92E-60	M1	IARS
CHCHD7.3	3.68E-64	0.46634	0.407	0.262	5.49E-60	M1	CHCHD7
BAD.2	4.00E-64	-0.32874	0.209	0.459	5.98E-60	M1	BAD
PMM1.3	4.11E-64	-0.33513	0.076	0.265	6.14E-60	M1	PMM1
ENDOD1.2	4.21E-64	-0.31323	0.019	0.168	6.29E-60	M1	ENDOD1
PSPH.3	4.95E-64	-0.30991	0.028	0.183	7.39E-60	M1	PSPH
OPTN.2	5.05E-64	-0.32924	0.015	0.159	7.55E-60	M1	OPTN
ZFR.2	5.54E-64	-0.31316	0.125	0.342	8.28E-60	M1	ZFR
WNK3.2	5.83E-64	-0.30421	0.006	0.143	8.72E-60	M1	WNK3
FADS1.2	7.18E-64	-0.26111	0.065	0.249	1.07E-59	M1	FADS1
ARL16.1	7.75E-64	-0.29694	0.133	0.356	1.16E-59	M1	ARL16
AGAP1.2	8.46E-64	-0.32784	0.006	0.142	1.26E-59	M1	AGAP1
BEND6.3	8.70E-64	-0.26298	0.006	0.141	1.30E-59	M1	BEND6
RNF157.3	8.70E-64	-0.26273	0.014	0.158	1.30E-59	M1	RNF157
ILF3.2	8.87E-64	-0.29916	0.203	0.453	1.33E-59	M1	ILF3
ZNF704.3	9.43E-64	-0.33003	0.008	0.146	1.41E-59	M1	ZNF704
UBTF.3	1.31E-63	-0.30317	0.072	0.258	1.96E-59	M1	UBTF
DUSP23.3	1.44E-63	0.397647	0.319	0.162	2.15E-59	M1	DUSP23
EEF1E1.1	1.59E-63	-0.33661	0.134	0.352	2.38E-59	M1	EEF1E1
RP11-536K.1	1.63E-63	0.366929	0.102	0.024	2.44E-59	M1	RP11-536K7.3
ARL6IP5.1	1.73E-63	0.268714	0.705	0.639	2.58E-59	M1	ARL6IP5
SOCS3.3	1.80E-63	0.471524	0.461	0.326	2.69E-59	M1	SOCS3
SLC35B2.3	1.86E-63	-0.29792	0.122	0.336	2.78E-59	M1	SLC35B2
OSCAR.4	2.02E-63	0.38258	0.16	0.055	3.02E-59	M1	OSCAR
MSM01.3	2.21E-63	-0.34287	0.057	0.23	3.30E-59	M1	MSM01
GNG4.3	2.22E-63	-0.33469	0.005	0.138	3.32E-59	M1	GNG4
RAE1.2	2.24E-63	-0.28328	0.098	0.301	3.35E-59	M1	RAE1
SEC14L2.3	2.24E-63	-0.30722	0.004	0.137	3.35E-59	M1	SEC14L2
ASRGL1.4	2.28E-63	-0.33134	0.056	0.23	3.40E-59	M1	ASRGL1
TMEM198.2	2.37E-63	-0.29063	0.004	0.137	3.55E-59	M1	TMEM198
PSRC1.2	2.86E-63	-0.3579	0.099	0.297	4.27E-59	M1	PSRC1
PIK3AP1.4	3.05E-63	0.367824	0.148	0.048	4.55E-59	M1	PIK3AP1
CSNK2A1.2	3.16E-63	-0.29703	0.134	0.353	4.73E-59	M1	CSNK2A1
RP11-1094.1	3.39E-63	-0.26427	0.076	0.266	5.07E-59	M1	RP11-1094M14.11
CPXM1.3	3.63E-63	-0.31408	0.009	0.147	5.43E-59	M1	CPXM1
DCAF7.2	4.40E-63	-0.28065	0.135	0.358	6.58E-59	M1	DCAF7
RP13-516M.1	4.57E-63	0.392463	0.091	0.02	6.83E-59	M1	RP13-516M14.4
CCL20.3	4.61E-63	0.459458	0.142	0.045	6.90E-59	M1	CCL20
RNF19A.4	5.01E-63	-0.3101	0.057	0.231	7.48E-59	M1	RNF19A
TLR10.3	5.39E-63	0.2725	0.077	0.014	8.05E-59	M1	TLR10
WDFY4.3	5.43E-63	0.281293	0.081	0.015	8.12E-59	M1	WDFY4

IL17RA.4	6.56E-63	0.47749	0.222	0.098	9.81E-59	M1	IL17RA
SNRPE.2	8.14E-63	-0.36529	0.364	0.623	1.22E-58	M1	SNRPE
ARL8A.3	9.46E-63	-0.30927	0.104	0.306	1.41E-58	M1	ARL8A
GLA.4	9.99E-63	0.522766	0.332	0.192	1.49E-58	M1	GLA
PPP1R16A.1	0.03E-62	-0.3068	0.036	0.196	1.54E-58	M1	PPP1R16A
TCTN1.3	1.04E-62	-0.32558	0.064	0.242	1.56E-58	M1	TCTN1
DAGLB.4	1.06E-62	0.521828	0.223	0.1	1.59E-58	M1	DAGLB
LAPTM4A.2	1.12E-62	0.150099	0.827	0.761	1.67E-58	M1	LAPTM4A
CHST11.4	1.13E-62	0.5164	0.327	0.19	1.68E-58	M1	CHST11
BAX.4	1.21E-62	0.332634	0.625	0.554	1.80E-58	M1	BAX
BZW2.1	1.24E-62	-0.32136	0.104	0.303	1.85E-58	M1	BZW2
CHST10.1	1.64E-62	-0.29287	0.018	0.164	2.45E-58	M1	CHST10
NOC2L.3	1.67E-62	-0.28132	0.131	0.349	2.49E-58	M1	NOC2L
DNALI1.3	1.96E-62	-0.32064	0.004	0.135	2.92E-58	M1	DNALI1
RUVBL1.1	2.09E-62	-0.3224	0.1	0.299	3.12E-58	M1	RUVBL1
C2orf80.3	2.15E-62	-0.3661	0.007	0.141	3.22E-58	M1	C2orf80
LINC00936.2	2.27E-62	0.607814	0.245	0.12	3.39E-58	M1	LINC00936
FAM89B.3	2.86E-62	-0.29668	0.087	0.278	4.28E-58	M1	FAM89B
SELL.3	2.91E-62	0.287722	0.101	0.024	4.35E-58	M1	SELL
BCAP31.1	3.15E-62	0.288907	0.67	0.608	4.70E-58	M1	BCAP31
IQCK.2	3.47E-62	-0.31842	0.011	0.149	5.18E-58	M1	IQCK
DHRS9.2	3.50E-62	0.313781	0.073	0.012	5.23E-58	M1	DHRS9
B4GALNT1.4	4.15E-62	-0.48714	0.023	0.167	6.20E-58	M1	B4GALNT1
PPAT.2	4.92E-62	-0.29685	0.021	0.168	7.35E-58	M1	PPAT
EBNA1BP2.5	5.10E-62	-0.30669	0.162	0.392	7.62E-58	M1	EBNA1BP2
TIMM44.2	6.33E-62	-0.28385	0.097	0.295	9.45E-58	M1	TIMM44
MRFAP1L1.6	6.38E-62	-0.28793	0.069	0.25	9.54E-58	M1	MRFAP1L1
MTRF1L.2	7.01E-62	-0.26478	0.049	0.218	1.05E-57	M1	MTRF1L
CMKLR1.3	7.83E-62	0.386561	0.122	0.035	1.17E-57	M1	CMKLR1
BRD7.3	8.27E-62	-0.28461	0.091	0.287	1.24E-57	M1	BRD7
FAM32A.2	8.45E-62	-0.3329	0.239	0.495	1.26E-57	M1	FAM32A
RTKN.4	9.06E-62	-0.33219	0.038	0.198	1.35E-57	M1	RTKN
LBH.4	9.16E-62	-0.46769	0.029	0.178	1.37E-57	M1	LBH
CAMK2B.3	9.20E-62	-0.33912	0.005	0.135	1.37E-57	M1	CAMK2B
ZNF827.3	1.14E-61	-0.27808	0.005	0.136	1.71E-57	M1	ZNF827
TMC8.2	1.33E-61	0.323978	0.111	0.029	1.99E-57	M1	TMC8
COIL.2	1.38E-61	-0.267	0.047	0.213	2.06E-57	M1	COIL
CMSS1.1	1.60E-61	-0.32015	0.117	0.324	2.38E-57	M1	CMSS1
SP110.3	1.65E-61	0.497468	0.313	0.175	2.47E-57	M1	SP110
YAE1D1.2	1.66E-61	-0.34158	0.032	0.186	2.48E-57	M1	YAE1D1
PRPF6.2	1.79E-61	-0.2835	0.163	0.391	2.68E-57	M1	PRPF6
PHLDA3.1	1.83E-61	-0.32609	0.039	0.197	2.73E-57	M1	PHLDA3
ZNF493.2	1.92E-61	-0.32341	0.031	0.183	2.87E-57	M1	ZNF493
CDCA7.3	1.94E-61	-0.40021	0.01	0.145	2.90E-57	M1	CDCA7
ENOPH1.3	2.34E-61	-0.29883	0.19	0.429	3.50E-57	M1	ENOPH1
P2RX4.3	2.54E-61	0.491338	0.29	0.154	3.79E-57	M1	P2RX4
BPTF.2	2.55E-61	-0.31059	0.133	0.346	3.82E-57	M1	BPTF
MAP2K2.3	2.73E-61	-0.32506	0.128	0.337	4.08E-57	M1	MAP2K2
CDH11.2	2.73E-61	-0.32323	0.006	0.137	4.08E-57	M1	CDH11
C17orf58.2	2.92E-61	-0.28057	0.048	0.213	4.37E-57	M1	C17orf58
USP47.2	2.93E-61	-0.27861	0.086	0.277	4.38E-57	M1	USP47

C1QL1.3	3.08E-61	-0.34202	0.006	0.136	4.61E-57	M1	C1QL1
FES.4	3.14E-61	0.402393	0.169	0.061	4.70E-57	M1	FES
GDAP1.4	4.12E-61	-0.38267	0.028	0.177	6.16E-57	M1	GDAP1
TMEM203.3	4.57E-61	-0.26672	0.091	0.285	6.83E-57	M1	TMEM203
ADORA1.2	4.83E-61	-0.30455	0.01	0.144	7.22E-57	M1	ADORA1
MRAS.2	4.90E-61	-0.28896	0.037	0.194	7.32E-57	M1	MRAS
TRIM38.3	5.04E-61	0.462609	0.194	0.079	7.53E-57	M1	TRIM38
CSE1L.3	6.17E-61	-0.2883	0.072	0.253	9.22E-57	M1	CSE1L
LONP1.2	6.57E-61	-0.25894	0.06	0.234	9.81E-57	M1	LONP1
LSM7.1	7.15E-61	-0.34497	0.439	0.669	1.07E-56	M1	LSM7
RP11-792A	7.62E-61	-0.31557	0.064	0.239	1.14E-56	M1	RP11-792A8.4
CLEC5A.4	7.79E-61	0.45149	0.2	0.079	1.16E-56	M1	CLEC5A
RARRES2.3	8.07E-61	-0.77249	0.029	0.173	1.21E-56	M1	RARRES2
CD200.4	8.08E-61	-0.35788	0.004	0.131	1.21E-56	M1	CD200
SFT2D1.4	8.22E-61	0.36084	0.574	0.487	1.23E-56	M1	SFT2D1
UBXN2A.2	8.32E-61	-0.23853	0.049	0.215	1.24E-56	M1	UBXN2A
LAMP5.3	8.53E-61	-0.30644	0.003	0.13	1.27E-56	M1	LAMP5
TRAF3IP3.	8.71E-61	0.368256	0.127	0.037	1.30E-56	M1	TRAF3IP3
MED31.1	8.80E-61	-0.25127	0.067	0.246	1.31E-56	M1	MED31
CCDC82.1	9.09E-61	-0.28886	0.105	0.305	1.36E-56	M1	CCDC82
RAB6A.3	9.34E-61	-0.27908	0.194	0.434	1.40E-56	M1	RAB6A
ERI3.2	1.00E-60	-0.28927	0.174	0.408	1.50E-56	M1	ERI3
DHFR.2	1.15E-60	-0.30489	0.027	0.176	1.72E-56	M1	DHFR
ZCRB1.3	1.17E-60	-0.33163	0.275	0.534	1.76E-56	M1	ZCRB1
EDNRB.2	1.23E-60	-0.36729	0.05	0.214	1.84E-56	M1	EDNRB
PYGB.2	1.50E-60	-0.26093	0.064	0.24	2.23E-56	M1	PYGB
IGF2BP3.3	1.50E-60	-0.25957	0.003	0.129	2.25E-56	M1	IGF2BP3
ACYP1.1	1.60E-60	-0.3202	0.043	0.204	2.39E-56	M1	ACYP1
ACAT2.3	1.60E-60	-0.28641	0.11	0.311	2.39E-56	M1	ACAT2
NFYB.2	1.78E-60	-0.3039	0.047	0.211	2.67E-56	M1	NFYB
NDP.2	1.94E-60	-0.34593	0.005	0.133	2.90E-56	M1	NDP
COL4A1.1	2.06E-60	-0.24871	0.004	0.132	3.07E-56	M1	COL4A1
GNAS.4	2.07E-60	-0.34124	0.48	0.681	3.09E-56	M1	GNAS
CNPY2.3	2.22E-60	-0.33615	0.346	0.613	3.32E-56	M1	CNPY2
PRKRIP1.3	2.24E-60	-0.26757	0.085	0.273	3.34E-56	M1	PRKRIP1
ZNF385D.2	2.24E-60	-0.28345	0.004	0.132	3.35E-56	M1	ZNF385D
LYRM1.3	2.33E-60	-0.34307	0.047	0.21	3.48E-56	M1	LYRM1
SLC2A1.3	2.52E-60	-0.38095	0.02	0.161	3.77E-56	M1	SLC2A1
CIAPIN1.1	2.53E-60	-0.29969	0.099	0.292	3.78E-56	M1	CIAPIN1
FAM221A.4	2.72E-60	-0.37857	0.045	0.204	4.07E-56	M1	FAM221A
DHRS3.2	2.85E-60	0.424452	0.288	0.148	4.26E-56	M1	DHRS3
SH3BP1.4	2.89E-60	0.46501	0.21	0.092	4.31E-56	M1	SH3BP1
BSDC1.2	2.90E-60	-0.26546	0.119	0.325	4.34E-56	M1	BSDC1
ATP9A.3	2.98E-60	-0.30053	0.005	0.134	4.46E-56	M1	ATP9A
CLDND1.2	3.03E-60	-0.40221	0.197	0.433	4.53E-56	M1	CLDND1
FBXO32.4	3.26E-60	-0.42505	0.03	0.179	4.88E-56	M1	FBXO32
TMCO3	3.37E-60	-0.25146	0.06	0.233	5.03E-56	M1	TMCO3
C16orf91.	3.40E-60	-0.28414	0.055	0.224	5.09E-56	M1	C16orf91
KRIT1.3	3.62E-60	-0.24849	0.068	0.246	5.41E-56	M1	KRIT1
AKTIP.3	3.67E-60	-0.32843	0.038	0.194	5.48E-56	M1	AKTIP
SOGA1.3	3.86E-60	-0.24756	0.03	0.18	5.76E-56	M1	SOGA1

VEZF1. 4	4. 00E-60	-0. 2713	0. 083	0. 269	5. 98E-56	M1	VEZF1
PLA2G12A. 4.	15E-60	-0. 26688	0. 08	0. 265	6. 21E-56	M1	PLA2G12A
NTHL1. 1	5. 66E-60	-0. 25946	0. 049	0. 215	8. 45E-56	M1	NTHL1
DEAF1. 3	5. 80E-60	-0. 25182	0. 065	0. 241	8. 66E-56	M1	DEAF1
ADCY7. 4	5. 98E-60	0. 385859	0. 144	0. 047	8. 93E-56	M1	ADCY7
ZNF91. 1	6. 36E-60	-0. 23292	0. 064	0. 239	9. 51E-56	M1	ZNF91
FSTL1. 2	6. 47E-60	-0. 26231	0. 006	0. 135	9. 67E-56	M1	FSTL1
FAM127B. 3	6. 84E-60	-0. 35519	0. 131	0. 334	1. 02E-55	M1	FAM127B
ENDOG. 3	7. 07E-60	-0. 27158	0. 025	0. 172	1. 06E-55	M1	ENDOG
ZIC1. 3	7. 33E-60	-0. 31264	0. 007	0. 136	1. 09E-55	M1	ZIC1
RSPRY1. 2	8. 49E-60	-0. 26464	0. 09	0. 28	1. 27E-55	M1	RSPRY1
GABARAP. 2	1. 01E-59	0. 418624	0. 551	0. 443	1. 51E-55	M1	GABARAP
RBM47. 4	1. 03E-59	0. 465629	0. 217	0. 097	1. 54E-55	M1	RBM47
UBE2M. 4	1. 05E-59	-0. 30234	0. 078	0. 261	1. 57E-55	M1	UBE2M
EHMT2. 3	1. 12E-59	-0. 2886	0. 059	0. 229	1. 67E-55	M1	EHMT2
ACSS3. 2	1. 21E-59	-0. 2375	0. 005	0. 133	1. 80E-55	M1	ACSS3
TRPV2. 4	1. 21E-59	0. 376171	0. 136	0. 043	1. 82E-55	M1	TRPV2
GAD1. 4	1. 23E-59	-0. 32213	0. 006	0. 134	1. 84E-55	M1	GAD1
NRXN2. 4	1. 32E-59	-0. 35707	0. 008	0. 138	1. 97E-55	M1	NRXN2
COQ9. 3	1. 39E-59	-0. 26952	0. 086	0. 273	2. 07E-55	M1	COQ9
MCC. 2	1. 72E-59	-0. 23866	0. 011	0. 144	2. 58E-55	M1	MCC
CHCHD2. 3	1. 75E-59	-0. 25805	0. 805	0. 895	2. 62E-55	M1	CHCHD2
MRFAP1. 3	1. 76E-59	-0. 32537	0. 47	0. 711	2. 62E-55	M1	MRFAP1
DCUN1D5	1. 78E-59	-0. 27926	0. 117	0. 321	2. 65E-55	M1	DCUN1D5
RSBN1. 2	1. 91E-59	-0. 30939	0. 071	0. 246	2. 85E-55	M1	RSBN1
RUFY2. 4	2. 00E-59	-0. 27532	0. 027	0. 174	2. 99E-55	M1	RUFY2
ARL9. 3	2. 24E-59	-0. 27876	0. 002	0. 125	3. 35E-55	M1	ARL9
FUCA1. 3	2. 56E-59	0. 525327	0. 332	0. 197	3. 82E-55	M1	FUCA1
SYP. 4	2. 73E-59	-0. 37326	0. 018	0. 157	4. 08E-55	M1	SYP
OLA1. 1	2. 87E-59	-0. 30388	0. 275	0. 531	4. 29E-55	M1	OLA1
SYNC. 2	3. 21E-59	-0. 2914	0. 044	0. 202	4. 80E-55	M1	SYNC
MARCH9. 3	3. 48E-59	-0. 38286	0. 032	0. 179	5. 20E-55	M1	9-Mar
PSMB10. 4	3. 63E-59	0. 443158	0. 376	0. 231	5. 43E-55	M1	PSMB10
KCTD3. 1	3. 67E-59	-0. 24865	0. 023	0. 166	5. 49E-55	M1	KCTD3
PAPOLG. 4	3. 76E-59	0. 487946	0. 182	0. 073	5. 62E-55	M1	PAPOLG
KIDINS220	3. 85E-59	-0. 27788	0. 107	0. 301	5. 76E-55	M1	KIDINS220
ANKS3. 2	4. 39E-59	-0. 27985	0. 039	0. 194	6. 56E-55	M1	ANKS3
MFF. 1	4. 53E-59	-0. 30729	0. 273	0. 533	6. 76E-55	M1	MFF
RPAP2. 2	4. 87E-59	-0. 26433	0. 049	0. 212	7. 28E-55	M1	RPAP2
EXTL3. 2	4. 90E-59	-0. 26344	0. 017	0. 154	7. 32E-55	M1	EXTL3
ZNF677. 2	5. 39E-59	-0. 2293	0. 057	0. 225	8. 06E-55	M1	ZNF677
URI1. 1	5. 40E-59	-0. 26259	0. 072	0. 251	8. 07E-55	M1	URI1
KHSRP. 4	5. 75E-59	-0. 24931	0. 084	0. 269	8. 60E-55	M1	KHSRP
BRD3. 3	6. 55E-59	-0. 26735	0. 11	0. 308	9. 79E-55	M1	BRD3
MTX2. 2	6. 74E-59	-0. 27486	0. 144	0. 357	1. 01E-54	M1	MTX2
RP11-395G	6. 87E-59	-0. 34055	0. 046	0. 204	1. 03E-54	M1	RP11-395G23. 3
TSEN15. 2	7. 77E-59	-0. 27114	0. 081	0. 263	1. 16E-54	M1	TSEN15
PEF1. 2	8. 13E-59	-0. 30306	0. 142	0. 355	1. 21E-54	M1	PEF1
CKS2. 4	8. 48E-59	0. 463083	0. 475	0. 345	1. 27E-54	M1	CKS2
SEPT4. 4	8. 91E-59	-0. 49367	0. 017	0. 153	1. 33E-54	M1	4-Sep
CIB1. 3	9. 17E-59	0. 327997	0. 582	0. 474	1. 37E-54	M1	CIB1



STARD3NL.	1.	1.11E-58	-0.27388	0.2	0.437	1.66E-54	M1	STARD3NL
TMEM25.	3	1.25E-58	-0.29823	0.012	0.144	1.87E-54	M1	TMEM25
SLC6A8.	2	1.34E-58	-0.34723	0.01	0.139	2.00E-54	M1	SLC6A8
SLC1A5.	4	1.44E-58	0.502127	0.241	0.117	2.15E-54	M1	SLC1A5
TCEAL5.	2	1.47E-58	-0.44591	0.012	0.142	2.19E-54	M1	TCEAL5
ALYREF.	4	1.56E-58	-0.24362	0.025	0.17	2.33E-54	M1	ALYREF
SHD.	3	1.72E-58	-0.44142	0.015	0.148	2.58E-54	M1	SHD
CC2D1A.	3	1.74E-58	-0.24793	0.05	0.213	2.59E-54	M1	CC2D1A
NFIL3.	4	1.76E-58	0.449732	0.171	0.066	2.64E-54	M1	NFIL3
TMEM181.	4	1.86E-58	-0.26348	0.037	0.189	2.78E-54	M1	TMEM181
ANP32A.	4	2.05E-58	0.417632	0.511	0.412	3.06E-54	M1	ANP32A
NLGN4X.	2	2.19E-58	-0.27358	0.003	0.126	3.27E-54	M1	NLGN4X
CSGALNACT	2.	2.23E-58	0.433893	0.158	0.058	3.33E-54	M1	CSGALNACT1
MT1F.	4	2.41E-58	-0.39353	0.138	0.339	3.60E-54	M1	MT1F
RRM1.	2	2.53E-58	-0.3149	0.051	0.212	3.79E-54	M1	RRM1
DOHH.	2	2.55E-58	-0.28712	0.057	0.221	3.81E-54	M1	DOHH
CETN2.	4	2.62E-58	-0.39815	0.149	0.357	3.91E-54	M1	CETN2
TIMM13.	1	2.82E-58	-0.33574	0.388	0.632	4.22E-54	M1	TIMM13
RP11-452F	2.	2.83E-58	0.496238	0.228	0.106	4.23E-54	M1	RP11-452F19.3
AHCYL1.	4	2.90E-58	-0.32597	0.15	0.363	4.33E-54	M1	AHCYL1
CDK16.	2	2.95E-58	-0.23054	0.082	0.266	4.41E-54	M1	CDK16
GNLY.	1	3.14E-58	0.328026	0.086	0.018	4.69E-54	M1	GNLY
OBSL1.	3	3.39E-58	-0.26223	0.026	0.17	5.06E-54	M1	OBSL1
MAN1A2.	2	3.80E-58	-0.26103	0.063	0.232	5.67E-54	M1	MAN1A2
NRARP.	2	3.87E-58	0.325482	0.095	0.023	5.78E-54	M1	NRARP
ZNF791.	1	4.54E-58	-0.25145	0.107	0.303	6.79E-54	M1	ZNF791
CYR61.	2	4.63E-58	-0.52798	0.042	0.193	6.92E-54	M1	CYR61
ROBO2.	3	5.85E-58	-0.26273	0.005	0.128	8.73E-54	M1	ROBO2
CCDC80.	3	6.15E-58	-0.39438	0.008	0.134	9.19E-54	M1	CCDC80
RUVBL2.	1	6.20E-58	-0.25344	0.141	0.353	9.26E-54	M1	RUVBL2
SNAP47.	2	6.33E-58	-0.25579	0.062	0.231	9.46E-54	M1	SNAP47
HMGCS1.	2	6.41E-58	-0.28069	0.049	0.21	9.59E-54	M1	HMGCS1
SRPK1.	2	6.61E-58	-0.2952	0.039	0.191	9.87E-54	M1	SRPK1
CLEC4A.	4	6.61E-58	0.463334	0.139	0.046	9.88E-54	M1	CLEC4A
TSEN34.	1	6.69E-58	-0.27037	0.176	0.407	9.99E-54	M1	TSEN34
DLL3.	3	6.91E-58	-0.53458	0.028	0.167	1.03E-53	M1	DLL3
NBPF1.	4	7.01E-58	-0.23044	0.083	0.266	1.05E-53	M1	NBPF1
PTK2.	2	7.74E-58	-0.28025	0.046	0.204	1.16E-53	M1	PTK2
ODF3B.	4	7.94E-58	0.416792	0.186	0.075	1.19E-53	M1	ODF3B
SRR.	3	8.77E-58	-0.25762	0.031	0.178	1.31E-53	M1	SRR
PLA2G5.	3	9.31E-58	-0.54938	0.006	0.129	1.39E-53	M1	PLA2G5
DIRAS3.	3	9.81E-58	-0.53109	0.014	0.145	1.47E-53	M1	DIRAS3
ARPC5L.	2	1.14E-57	-0.29102	0.181	0.407	1.70E-53	M1	ARPC5L
EZH2.	3	1.18E-57	-0.32769	0.032	0.178	1.77E-53	M1	EZH2
CDKN1B.	3	1.21E-57	-0.30108	0.102	0.29	1.80E-53	M1	CDKN1B
SPATA33.	3	1.28E-57	-0.27035	0.026	0.17	1.92E-53	M1	SPATA33
TIMM8B.	2	1.38E-57	-0.34291	0.338	0.585	2.06E-53	M1	TIMM8B
LINC00511	1.	1.48E-57	-0.26444	0.011	0.141	2.21E-53	M1	LINC00511
APBB2.	3	1.51E-57	-0.30008	0.008	0.134	2.26E-53	M1	APBB2
KCNMB4.	4	1.54E-57	-0.34766	0.014	0.145	2.30E-53	M1	KCNMB4
AMER2.	3	1.56E-57	-0.48409	0.009	0.135	2.33E-53	M1	AMER2

PAXBP1.3	1.56E-57	-0.23482	0.035	0.184	2.34E-53	M1	PAXBP1
SLC4A4.2	1.67E-57	-0.33517	0.006	0.129	2.49E-53	M1	SLC4A4
PALLD.1	1.67E-57	-0.2591	0.06	0.226	2.49E-53	M1	PALLD
ATP1A3.3	1.72E-57	-0.41184	0.013	0.142	2.57E-53	M1	ATP1A3
POLR2K.1	1.83E-57	-0.31561	0.28	0.531	2.73E-53	M1	POLR2K
CCT7.2	1.88E-57	-0.31646	0.316	0.572	2.81E-53	M1	CCT7
SH3BGRL3.2	2.03E-57	0.107197	0.849	0.763	3.04E-53	M1	SH3BGRL3
EFS.2	2.08E-57	-0.32663	0.004	0.126	3.10E-53	M1	EFS
NAV2.1	2.21E-57	-0.30092	0.011	0.139	3.31E-53	M1	NAV2
APOD.3	2.39E-57	-0.83248	0.04	0.185	3.57E-53	M1	APOD
TMEM132B.2	2.44E-57	-0.26394	0.002	0.122	3.65E-53	M1	TMEM132B
ASF1A.3	2.66E-57	-0.24975	0.084	0.264	3.97E-53	M1	ASF1A
CDK6.3	2.72E-57	-0.3483	0.067	0.233	4.07E-53	M1	CDK6
ATCAY.3	3.04E-57	-0.36669	0.013	0.142	4.55E-53	M1	ATCAY
KCNE4.2	3.06E-57	-0.26677	0.004	0.125	4.58E-53	M1	KCNE4
KLRC2.3	3.12E-57	-0.41965	0.007	0.13	4.66E-53	M1	KLRC2
HS2ST1.3	3.26E-57	-0.28497	0.045	0.2	4.88E-53	M1	HS2ST1
TYRO3.3	3.27E-57	-0.28334	0.006	0.13	4.88E-53	M1	TYRO3
WHSC1.3	3.37E-57	-0.26949	0.032	0.178	5.03E-53	M1	WHSC1
DVL2.2	3.51E-57	-0.24483	0.046	0.203	5.25E-53	M1	DVL2
AKAP8L.2	3.81E-57	-0.26216	0.093	0.28	5.70E-53	M1	AKAP8L
DZIP1.3	3.86E-57	-0.23984	0.003	0.122	5.78E-53	M1	DZIP1
HS3ST1.3	4.12E-57	0.463987	0.177	0.07	6.15E-53	M1	HS3ST1
BRD8.2	4.40E-57	-0.26829	0.037	0.187	6.58E-53	M1	BRD8
GSTK1.2	4.46E-57	0.298886	0.603	0.515	6.66E-53	M1	GSTK1
CD300C.4	4.79E-57	0.397867	0.149	0.052	7.16E-53	M1	CD300C
MPHOSPH10.5	5.34E-57	-0.28135	0.087	0.268	7.98E-53	M1	MPHOSPH10
ISCA1.2	5.39E-57	-0.23113	0.127	0.331	8.06E-53	M1	ISCA1
RFC4.2	5.49E-57	-0.32735	0.035	0.181	8.20E-53	M1	RFC4
APOO.3	5.79E-57	-0.28089	0.08	0.259	8.66E-53	M1	APOO
GIMAP6.2	5.97E-57	0.3116	0.109	0.029	8.92E-53	M1	GIMAP6
NTM.2	6.33E-57	-0.46025	0.008	0.132	9.46E-53	M1	NTM
MX1.2	6.38E-57	0.421223	0.221	0.1	9.53E-53	M1	MX1
PSMD14.2	7.18E-57	-0.31083	0.259	0.509	1.07E-52	M1	PSMD14
SNX21.1	8.03E-57	-0.23628	0.011	0.14	1.20E-52	M1	SNX21
RAD21.3	8.28E-57	-0.29848	0.182	0.403	1.24E-52	M1	RAD21
PAPSS1.1	9.21E-57	-0.27426	0.128	0.328	1.38E-52	M1	PAPSS1
ALKBH2.4	9.26E-57	-0.25887	0.058	0.223	1.38E-52	M1	ALKBH2
RB1CC1.2	9.41E-57	-0.26102	0.114	0.309	1.41E-52	M1	RB1CC1
TRIM16.2	9.81E-57	-0.25507	0.018	0.152	1.47E-52	M1	TRIM16
TNPO2.2	1.05E-56	-0.2277	0.048	0.206	1.58E-52	M1	TNPO2
PPP2R5B.3	1.08E-56	-0.26071	0.04	0.191	1.61E-52	M1	PPP2R5B
DPEP2.3	1.16E-56	0.357218	0.092	0.022	1.74E-52	M1	DPEP2
TTC9B.4	1.25E-56	-0.46315	0.014	0.141	1.87E-52	M1	TTC9B
PSMG3.3	1.38E-56	-0.26816	0.15	0.363	2.07E-52	M1	PSMG3
IFI27L1.2	1.45E-56	-0.30833	0.053	0.212	2.16E-52	M1	IFI27L1
ERV3-1.3	1.53E-56	-0.29357	0.104	0.292	2.29E-52	M1	ERV3-1
MGST1.3	1.59E-56	-0.88177	0.03	0.168	2.37E-52	M1	MGST1
RP11-410L.14	1.60E-56	-0.26157	0.017	0.15	2.38E-52	M1	RP11-410L14.2
ARNT2.4	1.68E-56	-0.23926	0.008	0.132	2.51E-52	M1	ARNT2
TIMP3.2	1.70E-56	-0.35629	0.016	0.147	2.54E-52	M1	TIMP3

GOT2. 2	1. 78E-56	-0. 26448	0. 06	0. 224	2. 65E-52 M1	GOT2
PRPSAP1. 4	1. 84E-56	-0. 21965	0. 133	0. 341	2. 76E-52 M1	PRPSAP1
RBBP4. 1	1. 87E-56	-0. 30197	0. 231	0. 471	2. 79E-52 M1	RBBP4
ARHGAP27. 2	2. 24E-56	0. 358639	0. 128	0. 04	3. 34E-52 M1	ARHGAP27
POLR2C. 3	2. 27E-56	-0. 30803	0. 169	0. 386	3. 39E-52 M1	POLR2C
NELL2. 2	2. 30E-56	-0. 32929	0. 005	0. 126	3. 44E-52 M1	NELL2
PTPRF. 4	2. 33E-56	-0. 2959	0. 01	0. 136	3. 48E-52 M1	PTPRF
ATP8B4. 3	2. 36E-56	0. 329492	0. 109	0. 03	3. 52E-52 M1	ATP8B4
PRPSAP2. 1	2. 51E-56	-0. 26217	0. 107	0. 298	3. 75E-52 M1	PRPSAP2
LIFR. 1	2. 62E-56	-0. 28647	0. 007	0. 13	3. 91E-52 M1	LIFR
FAM78A. 3	2. 71E-56	0. 309617	0. 095	0. 024	4. 05E-52 M1	FAM78A
OAS1. 2	2. 75E-56	0. 405813	0. 239	0. 111	4. 10E-52 M1	OAS1
C19orf25. 3	3. 05E-56	-0. 22661	0. 128	0. 334	4. 56E-52 M1	C19orf25
NAIP. 4	3. 08E-56	0. 446547	0. 203	0. 09	4. 61E-52 M1	NAIP
DLX1. 4	3. 18E-56	-0. 44162	0. 011	0. 136	4. 75E-52 M1	DLX1
AUTS2. 4	3. 35E-56	-0. 29042	0. 012	0. 14	5. 01E-52 M1	AUTS2
ZNF883. 3	3. 35E-56	-0. 2687	0. 025	0. 164	5. 01E-52 M1	ZNF883
TNFRSF19. 3	3. 46E-56	-0. 22705	0. 005	0. 125	5. 17E-52 M1	TNFRSF19
SEZ6. 4	3. 51E-56	-0. 34854	0. 024	0. 162	5. 24E-52 M1	SEZ6
USP11. 3	3. 80E-56	-0. 29644	0. 171	0. 389	5. 68E-52 M1	USP11
TPP1. 4	3. 83E-56	0. 467027	0. 43	0. 301	5. 72E-52 M1	TPP1
TMEM121. 3	3. 87E-56	-0. 27454	0. 005	0. 126	5. 78E-52 M1	TMEM121
SWI5. 4	3. 99E-56	-0. 28566	0. 093	0. 276	5. 96E-52 M1	SWI5
ANKS1B. 3	4. 73E-56	-0. 43207	0. 007	0. 128	7. 07E-52 M1	ANKS1B
SNHG9. 1	5. 25E-56	-0. 2467	0. 133	0. 339	7. 85E-52 M1	SNHG9
GGT7. 2	5. 38E-56	-0. 22484	0. 04	0. 191	8. 04E-52 M1	GGT7
RP1-39G22	5. 78E-56	-0. 27704	0. 019	0. 153	8. 64E-52 M1	RP1-39G22. 7
EPB41L3. 4	6. 20E-56	0. 363646	0. 203	0. 085	9. 26E-52 M1	EPB41L3
ATL1. 1	7. 19E-56	-0. 3305	0. 011	0. 137	1. 07E-51 M1	ATL1
ASPH. 1	7. 24E-56	-0. 27121	0. 116	0. 309	1. 08E-51 M1	ASPH
ANXA2R. 3	7. 40E-56	-0. 32093	0. 033	0. 176	1. 11E-51 M1	ANXA2R
TNFAIP6. 2	7. 45E-56	-0. 50476	0. 008	0. 13	1. 11E-51 M1	TNFAIP6
TMX4. 2	8. 15E-56	-0. 24061	0. 093	0. 276	1. 22E-51 M1	TMX4
MMP16. 2	8. 22E-56	-0. 26843	0. 004	0. 123	1. 23E-51 M1	MMP16
AEBP1. 3	8. 22E-56	-0. 38339	0. 014	0. 143	1. 23E-51 M1	AEBP1
GNGT2. 4	8. 88E-56	0. 375391	0. 123	0. 038	1. 33E-51 M1	GNGT2
MGMT. 4	8. 97E-56	0. 429463	0. 262	0. 129	1. 34E-51 M1	MGMT
ROM1. 3	9. 56E-56	-0. 3414	0. 01	0. 134	1. 43E-51 M1	ROM1
GPATCH8. 2	9. 69E-56	-0. 23105	0. 131	0. 338	1. 45E-51 M1	GPATCH8
PPME1. 2	1. 20E-55	-0. 22172	0. 05	0. 208	1. 80E-51 M1	PPME1
GLT8D1. 1	1. 21E-55	-0. 24596	0. 113	0. 309	1. 81E-51 M1	GLT8D1
GK. 4	1. 30E-55	0. 472927	0. 239	0. 118	1. 95E-51 M1	GK
ADH5. 2	1. 38E-55	-0. 28868	0. 199	0. 427	2. 06E-51 M1	ADH5
ECHDC3. 3	1. 45E-55	0. 297367	0. 09	0. 021	2. 16E-51 M1	ECHDC3
ZNF326. 2	1. 49E-55	-0. 23184	0. 094	0. 278	2. 23E-51 M1	ZNF326
ZNF664. 2	1. 54E-55	-0. 25065	0. 031	0. 173	2. 30E-51 M1	ZNF664
STXBP1. 3	1. 60E-55	-0. 2811	0. 014	0. 142	2. 39E-51 M1	STXBP1
CYFIP2. 3	1. 74E-55	-0. 2982	0. 01	0. 134	2. 60E-51 M1	CYFIP2
DGUOK. 2	1. 76E-55	-0. 32261	0. 301	0. 559	2. 63E-51 M1	DGUOK
TM4SF1. 4	1. 76E-55	-0. 35579	0. 01	0. 133	2. 64E-51 M1	TM4SF1
FKBP4. 3	1. 93E-55	-0. 29158	0. 15	0. 355	2. 88E-51 M1	FKBP4

NHP2. 2	1. 98E-55	-0. 32762	0. 366	0. 623	2. 96E-51 M1	NHP2
TIA1. 4	2. 05E-55	-0. 23315	0. 095	0. 279	3. 07E-51 M1	TIA1
NMB. 3	2. 10E-55	-0. 39558	0. 067	0. 229	3. 14E-51 M1	NMB
RP4-665J2	2. 22E-55	-0. 2745	0. 017	0. 147	3. 32E-51 M1	RP4-665J23. 1
ATN1. 2	2. 38E-55	-0. 22855	0. 052	0. 21	3. 55E-51 M1	ATN1
GLCCI1. 3	2. 42E-55	-0. 39811	0. 034	0. 175	3. 62E-51 M1	GLCCI1
RP11-25K1	2. 63E-55	-0. 27029	0. 003	0. 12	3. 93E-51 M1	RP11-25K19. 1
BTBD3. 3	3. 02E-55	-0. 24033	0. 023	0. 16	4. 51E-51 M1	BTBD3
ABCD3. 2	3. 07E-55	-0. 23869	0. 06	0. 223	4. 59E-51 M1	ABCD3
IER2. 3	3. 09E-55	0. 291454	0. 718	0. 594	4. 62E-51 M1	IER2
RNF166. 4	3. 19E-55	0. 499512	0. 289	0. 164	4. 77E-51 M1	RNF166
NME7. 4	3. 45E-55	-0. 29727	0. 039	0. 186	5. 16E-51 M1	NME7
FZD7. 1	3. 52E-55	-0. 24047	0. 002	0. 117	5. 27E-51 M1	FZD7
PTX3. 3	3. 70E-55	-0. 32792	0. 011	0. 136	5. 52E-51 M1	PTX3
GRB2. 4	4. 04E-55	0. 371441	0. 544	0. 468	6. 04E-51 M1	GRB2
FAM104A. 2	4. 08E-55	-0. 25222	0. 089	0. 27	6. 10E-51 M1	FAM104A
PDLIM3. 3	4. 19E-55	-0. 40435	0. 011	0. 135	6. 26E-51 M1	PDLIM3
DNAJB2. 3	4. 27E-55	-0. 28481	0. 144	0. 348	6. 37E-51 M1	DNAJB2
STRADB. 1	4. 42E-55	-0. 24149	0. 076	0. 249	6. 60E-51 M1	STRADB
FDX1L. 2	4. 52E-55	-0. 29712	0. 104	0. 29	6. 75E-51 M1	FDX1L
GSK3A. 3	4. 81E-55	-0. 22098	0. 057	0. 217	7. 19E-51 M1	GSK3A
M6PR. 4	5. 30E-55	0. 430611	0. 47	0. 364	7. 92E-51 M1	M6PR
KLHL13. 3	5. 56E-55	-0. 25151	0. 003	0. 118	8. 32E-51 M1	KLHL13
SLC25A6. 2	5. 70E-55	0. 130606	0. 914	0. 846	8. 51E-51 M1	SLC25A6
FHIT. 2	5. 74E-55	0. 481057	0. 212	0. 097	8. 58E-51 M1	FHIT
ZHX3. 2	5. 87E-55	-0. 23783	0. 014	0. 141	8. 77E-51 M1	ZHX3
GPR137. 3	6. 28E-55	-0. 24693	0. 068	0. 237	9. 39E-51 M1	GPR137
EPSTI1. 4	6. 34E-55	0. 414831	0. 225	0. 105	9. 48E-51 M1	EPSTI1
ADPGK. 4	6. 56E-55	0. 483053	0. 365	0. 24	9. 80E-51 M1	ADPGK
WLS. 2	7. 35E-55	-0. 22779	0. 072	0. 243	1. 10E-50 M1	WLS
CARD16. 2	7. 42E-55	0. 353629	0. 356	0. 204	1. 11E-50 M1	CARD16
SFRP1. 3	7. 97E-55	-0. 24561	0. 002	0. 117	1. 19E-50 M1	SFRP1
CSPG5. 3	8. 01E-55	-0. 38749	0. 008	0. 128	1. 20E-50 M1	CSPG5
TPM1. 2	8. 07E-55	-0. 26453	0. 1	0. 283	1. 21E-50 M1	TPM1
SESTD1. 3	8. 31E-55	-0. 30791	0. 038	0. 183	1. 24E-50 M1	SESTD1
CORO2B. 2	8. 37E-55	-0. 26073	0. 004	0. 12	1. 25E-50 M1	CORO2B
PRKAG2-AS	8. 85E-55	0. 462871	0. 224	0. 105	1. 32E-50 M1	PRKAG2-AS1
NFKBIZ. 4	8. 94E-55	0. 479458	0. 282	0. 154	1. 34E-50 M1	NFKBIZ
CKS1B. 1	9. 92E-55	-0. 36748	0. 107	0. 289	1. 48E-50 M1	CKS1B
NAP1L5. 2	1. 00E-54	-0. 28876	0. 023	0. 157	1. 50E-50 M1	NAP1L5
FILIP1L. 4	1. 07E-54	0. 553912	0. 247	0. 13	1. 59E-50 M1	FILIP1L
TRIM22. 3	1. 16E-54	0. 464697	0. 234	0. 114	1. 73E-50 M1	TRIM22
LILRA4. 1	1. 17E-54	0. 304636	0. 071	0. 014	1. 74E-50 M1	LILRA4
GTF2B. 3	1. 20E-54	0. 523137	0. 4	0. 28	1. 79E-50 M1	GTF2B
RHOH. 4	1. 21E-54	0. 437271	0. 16	0. 06	1. 81E-50 M1	RHOH
ZNRF1. 4	1. 25E-54	-0. 24588	0. 012	0. 137	1. 86E-50 M1	ZNRF1
PCYT2. 3	1. 36E-54	-0. 22818	0. 038	0. 184	2. 04E-50 M1	PCYT2
LRRN3. 3	1. 37E-54	-0. 34431	0. 011	0. 134	2. 05E-50 M1	LRRN3
ST3GAL4. 2	1. 42E-54	-0. 2676	0. 016	0. 144	2. 12E-50 M1	ST3GAL4
PCDHB10. 3	1. 48E-54	-0. 31606	0. 005	0. 122	2. 21E-50 M1	PCDHB10
EIF2AK1. 2	1. 53E-54	-0. 26125	0. 156	0. 367	2. 28E-50 M1	EIF2AK1

ZNF414.4	1.54E-54	-0.22919	0.054	0.212	2.30E-50	M1	ZNF414
OXCT1.1	1.56E-54	-0.25762	0.031	0.172	2.33E-50	M1	OXCT1
ARL6IP6	1.57E-54	-0.26259	0.121	0.313	2.35E-50	M1	ARL6IP6
EIF3B.1	1.65E-54	-0.2521	0.095	0.277	2.46E-50	M1	EIF3B
LTBP3.2	1.65E-54	-0.23612	0.07	0.238	2.46E-50	M1	LTBP3
TSPAN3.3	1.71E-54	-0.28743	0.259	0.5	2.56E-50	M1	TSPAN3
ERH.3	1.74E-54	-0.36121	0.525	0.751	2.59E-50	M1	ERH
POLR2F.4	2.04E-54	-0.30075	0.334	0.584	3.04E-50	M1	POLR2F
DLX2.4	2.06E-54	-0.4759	0.009	0.128	3.09E-50	M1	DLX2
CRIP1	2.33E-54	-0.24815	0.152	0.361	3.48E-50	M1	CRIP1
EIF3K.3	2.35E-54	0.160083	0.798	0.75	3.51E-50	M1	EIF3K
STK39.2	2.72E-54	-0.24422	0.005	0.121	4.06E-50	M1	STK39
RABEPK.3	2.77E-54	-0.2567	0.064	0.227	4.13E-50	M1	RABEPK
ZNHIT1.1	2.83E-54	-0.34375	0.44	0.694	4.22E-50	M1	ZNHIT1
RAB11B.2	2.87E-54	-0.27152	0.291	0.547	4.28E-50	M1	RAB11B
SOD2.2	3.05E-54	0.124768	0.66	0.511	4.55E-50	M1	SOD2
FAM171B.2	3.17E-54	-0.27508	0.01	0.131	4.74E-50	M1	FAM171B
ZNF397.2	3.26E-54	-0.23228	0.04	0.187	4.87E-50	M1	ZNF397
NDUFS5.4	3.31E-54	-0.29754	0.683	0.837	4.95E-50	M1	NDUFS5
LAMC1.2	3.49E-54	-0.21987	0.005	0.122	5.22E-50	M1	LAMC1
DOK3.4	3.49E-54	0.331131	0.143	0.05	5.22E-50	M1	DOK3
LINC00094	3.57E-54	-0.22324	0.02	0.151	5.34E-50	M1	LINC00094
C7orf50.1	3.86E-54	-0.30749	0.305	0.548	5.77E-50	M1	C7orf50
AKAP7.4	3.86E-54	-0.27109	0.061	0.221	5.77E-50	M1	AKAP7
SHFM1.3	4.03E-54	-0.35347	0.54	0.76	6.02E-50	M1	SHFM1
USP22.4	4.06E-54	-0.22469	0.145	0.354	6.07E-50	M1	USP22
SMARCA5.3	4.24E-54	-0.24987	0.168	0.385	6.33E-50	M1	SMARCA5
SUB1.2	4.71E-54	-0.26786	0.638	0.78	7.04E-50	M1	SUB1
TAF9B.1	4.91E-54	-0.27205	0.03	0.168	7.33E-50	M1	TAF9B
LRRC4C.2	5.69E-54	-0.33475	0.002	0.114	8.50E-50	M1	LRRC4C
PGM3.3	6.97E-54	-0.25946	0.048	0.2	1.04E-49	M1	PGM3
PXDN.1	7.21E-54	-0.24753	0.005	0.12	1.08E-49	M1	PXDN
TAC01.3	7.39E-54	-0.24089	0.048	0.2	1.10E-49	M1	TAC01
CCDC25.3	7.83E-54	-0.29759	0.133	0.33	1.17E-49	M1	CCDC25
ASAP2.3	8.53E-54	-0.21917	0.002	0.114	1.27E-49	M1	ASAP2
LAMA5.2	8.68E-54	-0.20679	0.01	0.132	1.30E-49	M1	LAMA5
TULP3.3	8.80E-54	-0.26075	0.018	0.147	1.31E-49	M1	TULP3
FBXO3.2	9.24E-54	-0.25626	0.046	0.195	1.38E-49	M1	FBXO3
EXOG.3	9.40E-54	-0.27164	0.037	0.18	1.41E-49	M1	EXOG
PHF23.2	9.53E-54	-0.23772	0.069	0.235	1.42E-49	M1	PHF23
CPD.1	9.70E-54	-0.26917	0.039	0.184	1.45E-49	M1	CPD
SERP2.2	1.03E-53	-0.3149	0.005	0.121	1.54E-49	M1	SERP2
SLC2A4RG.1	1.05E-53	-0.22067	0.018	0.147	1.56E-49	M1	SLC2A4RG
PAIP1.4	1.08E-53	-0.265	0.204	0.434	1.61E-49	M1	PAIP1
ORC4.3	1.08E-53	-0.25617	0.089	0.264	1.61E-49	M1	ORC4
SKP1.3	1.12E-53	-0.31753	0.758	0.886	1.67E-49	M1	SKP1
TAF6.1	1.16E-53	-0.229	0.089	0.266	1.73E-49	M1	TAF6
CLIP2.3	1.17E-53	-0.27107	0.05	0.202	1.74E-49	M1	CLIP2
PPIL1.3	1.18E-53	-0.28396	0.062	0.221	1.76E-49	M1	PPIL1
HDGF.1	1.21E-53	-0.23771	0.114	0.305	1.81E-49	M1	HDGF
SOX12.3	1.27E-53	-0.21134	0.013	0.136	1.89E-49	M1	SOX12

STRAP. 2	1. 29E-53	-0. 28895	0. 338	0. 597	1. 93E-49 M1	STRAP
DLD. 2	1. 32E-53	-0. 28113	0. 168	0. 379	1. 98E-49 M1	DLD
CWC27. 2	1. 52E-53	-0. 24294	0. 108	0. 295	2. 27E-49 M1	CWC27
LAP3. 2	1. 58E-53	0. 298116	0. 571	0. 476	2. 36E-49 M1	LAP3
ARL4D. 4	1. 63E-53	-0. 34526	0. 046	0. 193	2. 43E-49 M1	ARL4D
ZNF43. 2	1. 67E-53	-0. 23682	0. 025	0. 16	2. 50E-49 M1	ZNF43
NCALD. 3	1. 69E-53	-0. 26785	0. 018	0. 146	2. 52E-49 M1	NCALD
PFKM. 1	1. 72E-53	-0. 29233	0. 055	0. 209	2. 57E-49 M1	PFKM
SNRPG. 2	1. 76E-53	-0. 32889	0. 443	0. 679	2. 64E-49 M1	SNRPG
OXA1L. 3	1. 82E-53	0. 455081	0. 408	0. 28	2. 72E-49 M1	OXA1L
DHCR7. 3	1. 95E-53	-0. 28519	0. 051	0. 203	2. 92E-49 M1	DHCR7
VAPB. 3	2. 01E-53	-0. 21716	0. 063	0. 224	3. 01E-49 M1	VAPB
LHFPL3. 4	2. 17E-53	-0. 32591	0. 016	0. 14	3. 25E-49 M1	LHFPL3
RP11-660L	2. 31E-53	-0. 28344	0. 018	0. 145	3. 45E-49 M1	RP11-660L16. 2
PLEKHB1. 2	2. 38E-53	-0. 39949	0. 076	0. 24	3. 55E-49 M1	PLEKHB1
TSR1. 2	2. 44E-53	-0. 21495	0. 058	0. 216	3. 64E-49 M1	TSR1
TCF3. 3	2. 46E-53	-0. 22725	0. 021	0. 151	3. 68E-49 M1	TCF3
STIM2. 1	2. 51E-53	-0. 20587	0. 04	0. 186	3. 76E-49 M1	STIM2
MAP6. 2	2. 56E-53	-0. 24109	0. 003	0. 115	3. 82E-49 M1	MAP6
DDX52. 2	2. 58E-53	-0. 20894	0. 094	0. 274	3. 85E-49 M1	DDX52
WBP4. 3	2. 61E-53	-0. 25452	0. 137	0. 339	3. 89E-49 M1	WBP4
MLST8. 2	2. 71E-53	-0. 21339	0. 089	0. 266	4. 05E-49 M1	MLST8
ECI2. 2	2. 80E-53	-0. 30681	0. 156	0. 356	4. 18E-49 M1	ECI2
ALOX15B. 3	3. 16E-53	0. 295775	0. 076	0. 016	4. 72E-49 M1	ALOX15B
C12orf10. 3	3. 23E-53	-0. 25303	0. 146	0. 352	4. 83E-49 M1	C12orf10
SERPINB6. 3	3. 35E-53	0. 326491	0. 548	0. 464	5. 01E-49 M1	SERPINB6
C17orf107	3. 39E-53	0. 220344	0. 052	0. 007	5. 06E-49 M1	C17orf107
FIP1L1. 1	3. 60E-53	-0. 2746	0. 133	0. 329	5. 38E-49 M1	FIP1L1
SLC10A4. 3	3. 89E-53	-0. 23205	0. 003	0. 115	5. 82E-49 M1	SLC10A4
AGGF1. 1	3. 90E-53	-0. 21501	0. 077	0. 248	5. 83E-49 M1	AGGF1
COA3. 3	4. 13E-53	-0. 31439	0. 273	0. 518	6. 18E-49 M1	COA3
P2RY12. 1	4. 17E-53	0. 244589	0. 063	0. 011	6. 23E-49 M1	P2RY12
ARAP1. 3	4. 34E-53	0. 44342	0. 199	0. 089	6. 49E-49 M1	ARAP1
RNASE3. 2	4. 52E-53	0. 308553	0. 09	0. 022	6. 75E-49 M1	RNASE3
TWF1. 2	4. 59E-53	-0. 22434	0. 107	0. 295	6. 86E-49 M1	TWF1
PDDC1. 3	4. 70E-53	-0. 22696	0. 031	0. 169	7. 02E-49 M1	PDDC1
CNKSR3. 3	4. 78E-53	-0. 19399	0. 014	0. 138	7. 14E-49 M1	CNKSR3
P2RY11. 2	4. 92E-53	0. 400648	0. 171	0. 07	7. 35E-49 M1	P2RY11
B9D1. 2	5. 50E-53	-0. 30118	0. 005	0. 12	8. 22E-49 M1	B9D1
HIBCH. 2	5. 87E-53	-0. 25018	0. 095	0. 274	8. 77E-49 M1	HIBCH
ASCL2. 3	6. 41E-53	0. 263985	0. 096	0. 025	9. 57E-49 M1	ASCL2
TSPAN13. 4	6. 76E-53	-0. 37285	0. 147	0. 329	1. 01E-48 M1	TSPAN13
YTHDF2. 2	7. 01E-53	-0. 24744	0. 231	0. 471	1. 05E-48 M1	YTHDF2
EPM2AIP1. 7	7. 05E-53	-0. 25062	0. 065	0. 225	1. 05E-48 M1	EPM2AIP1
COMMD2. 2	7. 09E-53	-0. 24146	0. 127	0. 321	1. 06E-48 M1	COMMD2
TRIM37. 2	7. 15E-53	-0. 2008	0. 033	0. 173	1. 07E-48 M1	TRIM37
APPBP2. 2	9. 55E-53	-0. 21517	0. 071	0. 237	1. 43E-48 M1	APPBP2
METTL2B	9. 63E-53	-0. 23417	0. 065	0. 225	1. 44E-48 M1	METTL2B
RFC1. 2	9. 95E-53	-0. 24329	0. 118	0. 308	1. 49E-48 M1	RFC1
RSF1. 2	1. 01E-52	-0. 23258	0. 221	0. 456	1. 51E-48 M1	RSF1
AKAP6. 3	1. 03E-52	-0. 29386	0. 006	0. 121	1. 54E-48 M1	AKAP6

PRKCH. 3	1. 04E-52	0. 305943	0. 108	0. 031	1. 55E-48 M1	PRKCH
HNRNPR	1. 05E-52	-0. 29242	0. 317	0. 56	1. 56E-48 M1	HNRNPR
FMNL3. 4	1. 10E-52	0. 432861	0. 157	0. 061	1. 65E-48 M1	FMNL3
TSM. 2	1. 15E-52	-0. 3513	0. 125	0. 306	1. 73E-48 M1	TSM
PALM. 2	1. 22E-52	-0. 21076	0. 007	0. 123	1. 82E-48 M1	PALM
LRP6. 3	1. 30E-52	-0. 25256	0. 012	0. 132	1. 95E-48 M1	LRP6
SYT1. 4	1. 35E-52	-0. 44591	0. 006	0. 119	2. 01E-48 M1	SYT1
RASGRP3. 3	1. 36E-52	0. 373781	0. 147	0. 053	2. 04E-48 M1	RASGRP3
TOP2B. 4	1. 38E-52	-0. 23765	0. 091	0. 266	2. 06E-48 M1	TOP2B
SCCPDH. 2	1. 38E-52	-0. 27732	0. 192	0. 414	2. 07E-48 M1	SCCPDH
ARHGEF12. 1	1. 48E-52	-0. 20369	0. 04	0. 184	2. 21E-48 M1	ARHGEF12
CDKN2AIPN	1. 57E-52	-0. 2365	0. 098	0. 279	2. 35E-48 M1	CDKN2AIPNL
CBY1. 2	1. 64E-52	-0. 24022	0. 04	0. 183	2. 45E-48 M1	CBY1
TCP1. 1	1. 83E-52	-0. 2835	0. 319	0. 564	2. 73E-48 M1	TCP1
RNF13. 3	2. 06E-52	0. 380516	0. 554	0. 466	3. 08E-48 M1	RNF13
LONRF2. 2	2. 29E-52	-0. 25865	0. 001	0. 11	3. 43E-48 M1	LONRF2
AP000439. 2	2. 31E-52	0. 261851	0. 077	0. 017	3. 45E-48 M1	AP000439. 1
PPM1G. 3	2. 32E-52	-0. 27547	0. 23	0. 456	3. 47E-48 M1	PPM1G
NAP1L3. 2	2. 63E-52	-0. 32378	0. 007	0. 121	3. 93E-48 M1	NAP1L3
CSAD. 2	2. 73E-52	-0. 20113	0. 045	0. 192	4. 08E-48 M1	CSAD
GDAP1L1. 3	3. 09E-52	-0. 39779	0. 006	0. 12	4. 62E-48 M1	GDAP1L1
MAD2L1. 3	3. 14E-52	-0. 37729	0. 022	0. 149	4. 69E-48 M1	MAD2L1
ZNF254. 1	3. 16E-52	-0. 29085	0. 03	0. 164	4. 72E-48 M1	ZNF254
WDR18. 2	3. 19E-52	-0. 22989	0. 124	0. 318	4. 77E-48 M1	WDR18
OTUD7B. 2	3. 19E-52	-0. 28486	0. 006	0. 12	4. 77E-48 M1	OTUD7B
PLP2. 3	3. 38E-52	-0. 38857	0. 177	0. 377	5. 05E-48 M1	PLP2
C1orf131. 3	3. 42E-52	-0. 2514	0. 067	0. 227	5. 11E-48 M1	C1orf131
DNAJC19. 4	3. 43E-52	-0. 29081	0. 203	0. 426	5. 13E-48 M1	DNAJC19
INPP1. 1	3. 76E-52	-0. 29564	0. 036	0. 174	5. 62E-48 M1	INPP1
PLEKHA4. 3	4. 08E-52	-0. 22581	0. 02	0. 148	6. 10E-48 M1	PLEKHA4
NAV1. 3	4. 27E-52	-0. 22875	0. 042	0. 187	6. 38E-48 M1	NAV1
RPRD1A. 2	4. 33E-52	-0. 21936	0. 071	0. 235	6. 48E-48 M1	RPRD1A
ROCK2. 1	4. 41E-52	-0. 19707	0. 035	0. 175	6. 59E-48 M1	ROCK2
CYTH2. 3	4. 68E-52	-0. 223	0. 165	0. 377	6. 99E-48 M1	CYTH2
SERINC2. 2	4. 85E-52	-0. 24345	0. 017	0. 141	7. 25E-48 M1	SERINC2
TRABD. 4	4. 86E-52	0. 497999	0. 357	0. 239	7. 26E-48 M1	TRABD
MTMR4. 3	5. 05E-52	-0. 23388	0. 041	0. 184	7. 55E-48 M1	MTMR4
ZNF821. 4	5. 11E-52	-0. 26296	0. 044	0. 187	7. 63E-48 M1	ZNF821
LRRN1. 3	5. 88E-52	-0. 30351	0. 009	0. 125	8. 79E-48 M1	LRRN1
SBN01. 2	6. 16E-52	-0. 20744	0. 111	0. 297	9. 21E-48 M1	SBN01
RHOJ. 2	6. 97E-52	-0. 22424	0. 006	0. 119	1. 04E-47 M1	RHOJ
YEATS4. 2	7. 13E-52	-0. 34274	0. 107	0. 28	1. 07E-47 M1	YEATS4
RP11-332H	7. 33E-52	-0. 24185	0. 021	0. 148	1. 10E-47 M1	RP11-332H14. 2
SOX21. 1	7. 89E-52	-0. 21464	0. 002	0. 111	1. 18E-47 M1	SOX21
UBA2. 2	8. 99E-52	-0. 25595	0. 179	0. 394	1. 34E-47 M1	UBA2
ABAT. 4	9. 29E-52	-0. 27741	0. 042	0. 183	1. 39E-47 M1	ABAT
SWAP70. 4	9. 61E-52	0. 503322	0. 32	0. 202	1. 44E-47 M1	SWAP70
TERF1. 1	9. 83E-52	-0. 25546	0. 153	0. 358	1. 47E-47 M1	TERF1
ELOVL2. 4	9. 90E-52	-0. 23384	0. 005	0. 116	1. 48E-47 M1	ELOVL2
LRRC58. 3	9. 95E-52	-0. 23562	0. 071	0. 234	1. 49E-47 M1	LRRC58
LINC00578	1. 04E-51	0. 17433	0. 039	0. 003	1. 56E-47 M1	LINC00578

PARVA. 3	1. 07E-51	-0. 2062	0. 004	0. 114	1. 59E-47 M1	PARVA
COA5. 2	1. 09E-51	-0. 25217	0. 141	0. 339	1. 62E-47 M1	COA5
PJA2. 3	1. 12E-51	-0. 27542	0. 168	0. 369	1. 67E-47 M1	PJA2
PPP1R8. 1	1. 15E-51	-0. 25504	0. 082	0. 251	1. 72E-47 M1	PPP1R8
HIPK2. 3	1. 18E-51	-0. 31197	0. 085	0. 248	1. 77E-47 M1	HIPK2
VPS72. 2	1. 30E-51	-0. 22158	0. 119	0. 308	1. 94E-47 M1	VPS72
ZNF738. 4	1. 38E-51	-0. 30058	0. 032	0. 166	2. 06E-47 M1	ZNF738
KALRN. 2	1. 49E-51	-0. 25215	0. 004	0. 114	2. 23E-47 M1	KALRN
PID1. 2	1. 51E-51	-0. 30302	0. 016	0. 137	2. 26E-47 M1	PID1
MTMR9. 2	1. 57E-51	-0. 2216	0. 061	0. 215	2. 34E-47 M1	MTMR9
NRBP2. 3	1. 63E-51	-0. 23005	0. 018	0. 142	2. 43E-47 M1	NRBP2
SNRNP25. 1	1. 63E-51	-0. 2501	0. 173	0. 385	2. 43E-47 M1	SNRNP25
FADS2. 2	1. 77E-51	-0. 23057	0. 027	0. 158	2. 64E-47 M1	FADS2
DDX1. 2	1. 86E-51	-0. 27368	0. 183	0. 395	2. 78E-47 M1	DDX1
HEBP2. 3	1. 89E-51	-0. 25032	0. 08	0. 247	2. 83E-47 M1	HEBP2
FNIP2. 3	2. 22E-51	0. 550668	0. 296	0. 175	3. 31E-47 M1	FNIP2
PRKRA. 1	2. 23E-51	-0. 25968	0. 182	0. 397	3. 34E-47 M1	PRKRA
CFLAR. 3	2. 69E-51	0. 434235	0. 416	0. 299	4. 03E-47 M1	CFLAR
PAXIP1-AS	2. 95E-51	-0. 25515	0. 041	0. 182	4. 40E-47 M1	PAXIP1-AS1
CPNE3. 1	3. 05E-51	-0. 25451	0. 159	0. 365	4. 55E-47 M1	CPNE3
INHBA. 1	3. 06E-51	0. 281915	0. 064	0. 012	4. 57E-47 M1	INHBA
SDC3. 2	3. 27E-51	-0. 25215	0. 065	0. 222	4. 89E-47 M1	SDC3
TRAPPC4. 3	3. 32E-51	-0. 264	0. 249	0. 484	4. 96E-47 M1	TRAPPC4
ATXN7L3B. 3	3. 37E-51	-0. 20978	0. 055	0. 206	5. 03E-47 M1	ATXN7L3B
SIRPA. 4	3. 41E-51	0. 478471	0. 344	0. 223	5. 10E-47 M1	SIRPA
EXTL2. 2	3. 69E-51	-0. 23609	0. 046	0. 192	5. 52E-47 M1	EXTL2
THAP5. 2	3. 80E-51	-0. 24467	0. 054	0. 204	5. 68E-47 M1	THAP5
METTL2A. 2	3. 92E-51	-0. 21575	0. 041	0. 182	5. 86E-47 M1	METTL2A
MOB4. 2	4. 04E-51	-0. 23762	0. 19	0. 408	6. 03E-47 M1	MOB4
ITM2C. 4	4. 06E-51	-0. 34268	0. 231	0. 455	6. 07E-47 M1	ITM2C
RIMKLB. 2	4. 33E-51	-0. 23941	0. 036	0. 173	6. 47E-47 M1	RIMKLB
TRIM28. 2	4. 61E-51	-0. 24467	0. 101	0. 279	6. 89E-47 M1	TRIM28
DAAM1. 2	4. 70E-51	-0. 23016	0. 096	0. 27	7. 02E-47 M1	DAAM1
TBCC. 4	5. 04E-51	-0. 26058	0. 084	0. 249	7. 53E-47 M1	TBCC
RIN2. 3	5. 05E-51	0. 468368	0. 219	0. 107	7. 55E-47 M1	RIN2
LGR4. 4	5. 23E-51	-0. 19754	0. 008	0. 121	7. 81E-47 M1	LGR4
POMGNT2. 2	5. 34E-51	-0. 23162	0. 03	0. 163	7. 97E-47 M1	POMGNT2
CTB-3102C	5. 41E-51	-0. 22797	0. 014	0. 134	8. 09E-47 M1	CTB-31020. 2
CTNNBIP1. 6	0. 09E-51	-0. 24562	0. 078	0. 242	9. 10E-47 M1	CTNNBIP1
NDUFAF2. 3	7. 30E-51	-0. 28757	0. 12	0. 303	1. 09E-46 M1	NDUFAF2
NLN. 2	7. 42E-51	-0. 24378	0. 059	0. 211	1. 11E-46 M1	NLN
GNA11. 1	7. 44E-51	-0. 21892	0. 01	0. 126	1. 11E-46 M1	GNA11
NLGN3. 3	7. 67E-51	-0. 27275	0. 014	0. 133	1. 15E-46 M1	NLGN3
MANBA. 4	7. 76E-51	0. 472252	0. 213	0. 102	1. 16E-46 M1	MANBA
NINJ2. 4	8. 10E-51	0. 338889	0. 173	0. 07	1. 21E-46 M1	NINJ2
SSBP3. 3	8. 16E-51	-0. 25639	0. 023	0. 149	1. 22E-46 M1	SSBP3
AIF1L. 3	8. 33E-51	-0. 40979	0. 015	0. 133	1. 25E-46 M1	AIF1L
TRIM44. 3	8. 78E-51	-0. 27197	0. 13	0. 318	1. 31E-46 M1	TRIM44
RBBP7. 3	1. 22E-50	-0. 31272	0. 232	0. 463	1. 82E-46 M1	RBBP7
DIRAS1. 2	1. 23E-50	-0. 25132	0. 014	0. 133	1. 84E-46 M1	DIRAS1
ZNF12. 2	1. 31E-50	-0. 22492	0. 02	0. 145	1. 96E-46 M1	ZNF12



NR2C2AP.3	1.34E-50	-0.29454	0.047	0.189	2.01E-46	M1	NR2C2AP
HIGD2A.3	1.36E-50	0.241355	0.669	0.608	2.03E-46	M1	HIGD2A
YTHDF1.1	1.40E-50	-0.22165	0.057	0.208	2.09E-46	M1	YTHDF1
MAZ.4	1.57E-50	-0.2403	0.102	0.28	2.35E-46	M1	MAZ
ATP6V1F.2	1.58E-50	0.133855	0.826	0.796	2.36E-46	M1	ATP6V1F
CAMSAP2.2	1.65E-50	-0.21973	0.036	0.172	2.46E-46	M1	CAMSAP2
CCT6A.1	1.72E-50	-0.29002	0.375	0.615	2.57E-46	M1	CCT6A
NFASC.2	1.72E-50	-0.34316	0.009	0.122	2.57E-46	M1	NFASC
RNF126.3	1.80E-50	-0.21874	0.13	0.323	2.69E-46	M1	RNF126
CTC-444N2	2.20E-50	-0.20824	0.027	0.157	3.29E-46	M1	CTC-444N24.11
ST8SIA1.2	2.23E-50	-0.23295	0.003	0.109	3.33E-46	M1	ST8SIA1
PLA2G15.3	2.36E-50	0.428364	0.234	0.119	3.53E-46	M1	PLA2G15
CAV1.4	2.38E-50	-0.81379	0.024	0.147	3.55E-46	M1	CAV1
SNAI1.3	2.54E-50	0.337554	0.107	0.032	3.79E-46	M1	SNAI1
LINC00632	2.71E-50	-0.35398	0.003	0.109	4.05E-46	M1	LINC00632
RGS6.2	2.78E-50	-0.25548	0.002	0.108	4.15E-46	M1	RGS6
BCAT1.3	2.97E-50	-0.24151	0.09	0.26	4.44E-46	M1	BCAT1
ZNF593.2	3.32E-50	-0.27187	0.14	0.334	4.96E-46	M1	ZNF593
ZFPL1.1	3.39E-50	-0.22237	0.092	0.264	5.07E-46	M1	ZFPL1
COX20	3.67E-50	-0.27673	0.264	0.499	5.48E-46	M1	COX20
DDX5.2	3.91E-50	0.147384	0.88	0.804	5.84E-46	M1	DDX5
ERAL1.1	4.17E-50	-0.21987	0.096	0.27	6.23E-46	M1	ERAL1
ZNF429.3	4.21E-50	-0.26024	0.024	0.15	6.29E-46	M1	ZNF429
LAMB1.1	4.33E-50	-0.21806	0.008	0.12	6.47E-46	M1	LAMB1
SRM.3	4.56E-50	-0.30114	0.191	0.4	6.81E-46	M1	SRM
DYNC1I1.4	4.74E-50	-0.41417	0.011	0.123	7.09E-46	M1	DYNC1I1
SNHG8.2	4.84E-50	0.354365	0.544	0.453	7.23E-46	M1	SNHG8
TOMM40.2	4.86E-50	-0.24628	0.158	0.362	7.26E-46	M1	TOMM40
NUP107.4	4.97E-50	-0.33225	0.088	0.25	7.43E-46	M1	NUP107
FAM159A.3	5.06E-50	0.28578	0.108	0.032	7.56E-46	M1	FAM159A
SEMA5A.2	5.15E-50	-0.26641	0.01	0.123	7.70E-46	M1	SEMA5A
NQO1.3	5.35E-50	-0.27674	0.012	0.128	8.00E-46	M1	NQO1
HOXA7.2	5.64E-50	-0.37429	0.009	0.12	8.42E-46	M1	HOXA7
PLB1.3	5.99E-50	0.33295	0.102	0.03	8.95E-46	M1	PLB1
PABPN1.2	6.18E-50	-0.24345	0.179	0.39	9.23E-46	M1	PABPN1
ANAPC11.4	6.19E-50	-0.3025	0.563	0.76	9.25E-46	M1	ANAPC11
NTRK2.3	7.54E-50	-0.49928	0.021	0.141	1.13E-45	M1	NTRK2
CPNE4.2	7.65E-50	-0.20068	0.004	0.111	1.14E-45	M1	CPNE4
SNRNP27.2	7.83E-50	-0.21933	0.176	0.387	1.17E-45	M1	SNRNP27
RNF34.2	8.05E-50	-0.21572	0.066	0.221	1.20E-45	M1	RNF34
MTA1.2	8.34E-50	-0.21167	0.062	0.216	1.25E-45	M1	MTA1
ACTR3B.1	8.41E-50	-0.23708	0.012	0.126	1.26E-45	M1	ACTR3B
COPRS.3	9.60E-50	-0.26821	0.166	0.367	1.43E-45	M1	COPRS
FBXW9.1	9.84E-50	-0.22552	0.014	0.131	1.47E-45	M1	FBXW9
MDFI.3	9.99E-50	-0.27945	0.001	0.105	1.49E-45	M1	MDFI
DEPTOR.2	1.18E-49	0.32797	0.106	0.032	1.76E-45	M1	DEPTOR
ZNF358.3	1.18E-49	-0.19861	0.046	0.189	1.77E-45	M1	ZNF358
CBR3.1	1.22E-49	-0.23869	0.011	0.124	1.83E-45	M1	CBR3
ZNF92.2	1.23E-49	-0.29158	0.036	0.168	1.83E-45	M1	ZNF92
TMSB10.4	1.27E-49	-0.25504	0.991	0.959	1.90E-45	M1	TMSB10
RP11-403I	1.27E-49	0.366493	0.089	0.023	1.90E-45	M1	RP11-403I13.5

FAM172A. 2	1. 33E-49	-0. 21458	0. 066	0. 222	1. 99E-45 M1	FAM172A
GMNN. 3	1. 49E-49	-0. 26546	0. 055	0. 201	2. 22E-45 M1	GMNN
ADAMTSL2	1. 55E-49	0. 17803	0. 049	0. 007	2. 31E-45 M1	ADAMTSL2
IFI16. 3	1. 57E-49	0. 296517	0. 499	0. 372	2. 35E-45 M1	IFI16
MT1X. 4	1. 65E-49	-0. 6972	0. 425	0. 608	2. 47E-45 M1	MT1X
CRYBB1. 2	1. 66E-49	0. 290658	0. 102	0. 029	2. 48E-45 M1	CRYBB1
NNAT. 4	1. 74E-49	-0. 76079	0. 084	0. 218	2. 60E-45 M1	NNAT
SAC3D1. 4	1. 92E-49	-0. 22556	0. 05	0. 194	2. 87E-45 M1	SAC3D1
SH3KBP1. 4	2. 00E-49	0. 449647	0. 341	0. 221	2. 99E-45 M1	SH3KBP1
CST3. 2	2. 02E-49	0. 124024	0. 878	0. 768	3. 02E-45 M1	CST3
NKTR. 2	2. 09E-49	-0. 197	0. 179	0. 392	3. 13E-45 M1	NKTR
CANT1. 2	2. 19E-49	-0. 21558	0. 053	0. 199	3. 27E-45 M1	CANT1
PTK7. 1	2. 20E-49	-0. 19173	0. 005	0. 112	3. 29E-45 M1	PTK7
IGSF8. 2	2. 21E-49	-0. 27258	0. 079	0. 24	3. 30E-45 M1	IGSF8
TEAD2. 3	2. 21E-49	-0. 2003	0. 003	0. 107	3. 31E-45 M1	TEAD2
PRCC. 1	2. 31E-49	-0. 24003	0. 141	0. 336	3. 45E-45 M1	PRCC
DHCR24. 1	2. 31E-49	-0. 24804	0. 006	0. 114	3. 45E-45 M1	DHCR24
SNAP23. 4	2. 56E-49	0. 532165	0. 34	0. 225	3. 82E-45 M1	SNAP23
ZNF512. 2	2. 75E-49	-0. 26048	0. 022	0. 144	4. 11E-45 M1	ZNF512
VASH1. 4	2. 92E-49	0. 45651	0. 222	0. 111	4. 36E-45 M1	VASH1
FGFBP3. 3	3. 07E-49	-0. 23494	0. 008	0. 118	4. 59E-45 M1	FGFBP3
GADD45GIP1	3. 08E-49	-0. 30933	0. 4	0. 596	4. 60E-45 M1	GADD45GIP1
ACP1. 2	3. 10E-49	-0. 26713	0. 293	0. 54	4. 63E-45 M1	ACP1
CD300LF. 3	3. 14E-49	0. 296571	0. 108	0. 033	4. 70E-45 M1	CD300LF
BLOC1S4. 4	3. 70E-49	-0. 21506	0. 098	0. 272	5. 53E-45 M1	BLOC1S4
MARCH6. 3	3. 82E-49	-0. 25075	0. 182	0. 392	5. 71E-45 M1	6-Mar
NDUFS1. 2	3. 84E-49	-0. 21496	0. 107	0. 285	5. 73E-45 M1	NDUFS1
BAG5. 2	4. 01E-49	-0. 2435	0. 06	0. 21	5. 99E-45 M1	BAG5
KIF3B. 4	4. 01E-49	-0. 19972	0. 025	0. 151	5. 99E-45 M1	KIF3B
FAM57B. 3	4. 07E-49	-0. 31168	0. 004	0. 11	6. 08E-45 M1	FAM57B
CAPRIN1. 3	4. 15E-49	-0. 24012	0. 153	0. 354	6. 20E-45 M1	CAPRIN1
DCTN2	4. 34E-49	-0. 35775	0. 318	0. 545	6. 48E-45 M1	DCTN2
BCAM. 2	4. 43E-49	-0. 21517	0. 013	0. 128	6. 62E-45 M1	BCAM
TMEM11. 1	4. 67E-49	-0. 20082	0. 152	0. 352	6. 98E-45 M1	TMEM11
FAM161A. 2	4. 82E-49	-0. 25	0. 013	0. 127	7. 21E-45 M1	FAM161A
YARS. 1	4. 87E-49	-0. 25612	0. 083	0. 244	7. 28E-45 M1	YARS
THSD1. 2	5. 56E-49	-0. 20321	0. 005	0. 112	8. 31E-45 M1	THSD1
SCAMP5. 2	5. 63E-49	-0. 24168	0. 006	0. 114	8. 42E-45 M1	SCAMP5
PTPN13. 2	6. 12E-49	-0. 21402	0. 005	0. 111	9. 14E-45 M1	PTPN13
DIXDC1. 3	6. 16E-49	-0. 25002	0. 006	0. 113	9. 20E-45 M1	DIXDC1
TSSC4. 2	6. 21E-49	-0. 1925	0. 146	0. 345	9. 28E-45 M1	TSSC4
TMEM35. 3	6. 54E-49	-0. 31427	0. 004	0. 109	9. 77E-45 M1	TMEM35
RAB11B-AS	6. 66E-49	-0. 21648	0. 027	0. 153	9. 95E-45 M1	RAB11B-AS1
TNFSF12. 4	6. 93E-49	0. 468112	0. 283	0. 166	1. 04E-44 M1	TNFSF12
KLHDC10. 2	7. 23E-49	-0. 22037	0. 026	0. 151	1. 08E-44 M1	KLHDC10
KIAA1549. 7	3. 8E-49	-0. 25639	0. 005	0. 112	1. 10E-44 M1	KIAA1549
KCTD6	8. 13E-49	-0. 22386	0. 018	0. 137	1. 22E-44 M1	KCTD6
PAFAH1B2. 9	5. 3E-49	-0. 21953	0. 159	0. 359	1. 42E-44 M1	PAFAH1B2
B3GAT1. 3	9. 77E-49	-0. 31245	0. 003	0. 107	1. 46E-44 M1	B3GAT1
PITPNC1. 2	9. 96E-49	-0. 23421	0. 022	0. 143	1. 49E-44 M1	PITPNC1
CCDC124. 1	1. 08E-48	-0. 27209	0. 273	0. 51	1. 61E-44 M1	CCDC124

FASN. 4	1. 15E-48	-0. 20659	0. 018	0. 136	1. 71E-44 M1	FASN
MPPED2. 2	1. 17E-48	-0. 2674	0. 003	0. 107	1. 75E-44 M1	MPPED2
GFOD2. 1	1. 21E-48	-0. 25009	0. 028	0. 153	1. 81E-44 M1	GFOD2
MAGI2. 3	1. 29E-48	-0. 28271	0. 012	0. 124	1. 93E-44 M1	MAGI2
PLCG1. 2	1. 35E-48	-0. 21438	0. 009	0. 118	2. 02E-44 M1	PLCG1
IRF2BPL. 3	1. 49E-48	-0. 2239	0. 099	0. 27	2. 22E-44 M1	IRF2BPL
PAK1IP1. 2	1. 50E-48	-0. 23475	0. 081	0. 242	2. 24E-44 M1	PAK1IP1
PPP2R2A. 1	1. 51E-48	-0. 21514	0. 14	0. 332	2. 26E-44 M1	PPP2R2A
LRRTM2. 3	1. 55E-48	-0. 24136	0. 01	0. 121	2. 31E-44 M1	LRRTM2
DCTPP1. 2	1. 68E-48	-0. 27105	0. 165	0. 363	2. 50E-44 M1	DCTPP1
SUCLA2. 3	1. 76E-48	-0. 23909	0. 132	0. 318	2. 63E-44 M1	SUCLA2
SF3A2. 2	1. 78E-48	-0. 21937	0. 111	0. 289	2. 66E-44 M1	SF3A2
TRMT10C. 2	1. 88E-48	-0. 22091	0. 105	0. 279	2. 81E-44 M1	TRMT10C
C6orf203. 1	1. 90E-48	-0. 23301	0. 048	0. 189	2. 84E-44 M1	C6orf203
FGF14. 3	2. 27E-48	-0. 2421	0. 001	0. 102	3. 39E-44 M1	FGF14
CCDC137. 2	2. 38E-48	-0. 21112	0. 072	0. 228	3. 56E-44 M1	CCDC137
TFG. 1	2. 42E-48	-0. 25812	0. 225	0. 445	3. 61E-44 M1	TFG
ELN. 2	2. 56E-48	-0. 3345	0. 014	0. 127	3. 82E-44 M1	ELN
TOX. 4	2. 71E-48	-0. 2662	0. 002	0. 104	4. 04E-44 M1	TOX
GOLGA7. 1	2. 81E-48	-0. 25016	0. 266	0. 503	4. 20E-44 M1	GOLGA7
GTF2F2. 1	2. 83E-48	-0. 24057	0. 141	0. 331	4. 23E-44 M1	GTF2F2
NLGN2. 2	2. 85E-48	-0. 22321	0. 005	0. 109	4. 27E-44 M1	NLGN2
KBTBD8. 2	2. 93E-48	0. 306152	0. 08	0. 02	4. 38E-44 M1	KBTBD8
ARHGAP5. 1	3. 08E-48	-0. 22409	0. 067	0. 219	4. 61E-44 M1	ARHGAP5
SEC11C. 3	3. 11E-48	-0. 28375	0. 299	0. 537	4. 64E-44 M1	SEC11C
LRRC47. 3	3. 16E-48	-0. 22801	0. 082	0. 243	4. 72E-44 M1	LRRC47
PTP4A3. 1	3. 41E-48	-0. 24831	0. 003	0. 105	5. 10E-44 M1	PTP4A3
MTMR2. 1	3. 43E-48	-0. 19815	0. 036	0. 168	5. 13E-44 M1	MTMR2
SYMPK. 3	3. 81E-48	-0. 22762	0. 087	0. 25	5. 70E-44 M1	SYMPK
C12orf29. 4	4. 02E-48	-0. 26939	0. 041	0. 176	6. 01E-44 M1	C12orf29
GDI2. 4	4. 14E-48	0. 369712	0. 546	0. 477	6. 18E-44 M1	GDI2
DHX29. 2	4. 25E-48	-0. 21017	0. 147	0. 342	6. 35E-44 M1	DHX29
FLAD1. 1	4. 25E-48	-0. 23313	0. 093	0. 26	6. 36E-44 M1	FLAD1
TLE2. 3	4. 34E-48	-0. 26482	0. 004	0. 108	6. 49E-44 M1	TLE2
FLYWCH2. 1	4. 47E-48	-0. 26819	0. 149	0. 342	6. 68E-44 M1	FLYWCH2
FGFR1. 1	4. 47E-48	-0. 20661	0. 052	0. 194	6. 68E-44 M1	FGFR1
CDH4. 3	4. 57E-48	-0. 22364	0. 002	0. 104	6. 82E-44 M1	CDH4
GON4L. 2	4. 60E-48	-0. 20941	0. 08	0. 241	6. 88E-44 M1	GON4L
NFE2L2. 3	4. 73E-48	0. 364258	0. 527	0. 456	7. 07E-44 M1	NFE2L2
DCAKD. 3	4. 85E-48	-0. 21534	0. 032	0. 16	7. 25E-44 M1	DCAKD
MKLN1. 2	5. 11E-48	-0. 21781	0. 092	0. 257	7. 64E-44 M1	MKLN1
DNAJA1. 1	5. 30E-48	0. 26943	0. 667	0. 621	7. 92E-44 M1	DNAJA1
SOX5. 2	5. 30E-48	-0. 25427	0. 003	0. 106	7. 92E-44 M1	SOX5
ZNF138. 2	5. 54E-48	-0. 2675	0. 037	0. 167	8. 28E-44 M1	ZNF138
R3HCC1. 2	5. 94E-48	-0. 21872	0. 131	0. 317	8. 88E-44 M1	R3HCC1
CARS. 2	6. 05E-48	-0. 24194	0. 085	0. 246	9. 04E-44 M1	CARS
SEPN1. 3	6. 12E-48	-0. 23317	0. 078	0. 236	9. 14E-44 M1	SEPN1
CSRNP3. 3	7. 04E-48	-0. 32455	0. 009	0. 117	1. 05E-43 M1	CSRNP3
ZNF444. 2	7. 12E-48	-0. 20085	0. 045	0. 183	1. 06E-43 M1	ZNF444
SNRNP200	7. 22E-48	-0. 2152	0. 13	0. 315	1. 08E-43 M1	SNRNP200
C3orf70. 3	7. 43E-48	-0. 25685	0. 01	0. 118	1. 11E-43 M1	C3orf70

AP4M1.2	8.00E-48	-0.24148	0.068	0.219	1.20E-43	M1	AP4M1
MPC2.1	8.92E-48	0.284796	0.61	0.576	1.33E-43	M1	MPC2
USP46.4	9.94E-48	-0.22421	0.032	0.159	1.48E-43	M1	USP46
NPRL3.2	1.00E-47	-0.21673	0.065	0.215	1.50E-43	M1	NPRL3
HTATSF1.1	1.03E-47	-0.26889	0.126	0.304	1.54E-43	M1	HTATSF1
KCTD13.3	1.09E-47	-0.25354	0.033	0.16	1.63E-43	M1	KCTD13
PKIA.4	1.23E-47	-0.32981	0.006	0.111	1.84E-43	M1	PKIA
SLC4A3.1	1.24E-47	-0.21607	0.004	0.107	1.85E-43	M1	SLC4A3
LARS.1	1.28E-47	-0.22082	0.173	0.375	1.91E-43	M1	LARS
C9orf9.3	1.33E-47	-0.24462	0.015	0.129	1.98E-43	M1	C9orf9
SCRN1.3	1.35E-47	-0.22001	0.058	0.204	2.01E-43	M1	SCRN1
NUDT16.4	1.41E-47	0.510257	0.315	0.2	2.11E-43	M1	NUDT16
RAD1	1.41E-47	-0.25809	0.058	0.202	2.11E-43	M1	RAD1
FRYL.4	1.44E-47	-0.23552	0.064	0.212	2.15E-43	M1	FRYL
SELK.4	1.57E-47	0.220071	0.705	0.7	2.34E-43	M1	SELK
RPA3.2	1.61E-47	-0.31414	0.18	0.375	2.41E-43	M1	RPA3
ARL4C.3	1.77E-47	-0.24914	0.206	0.413	2.64E-43	M1	ARL4C
DENND2A.2	1.79E-47	-0.2009	0.007	0.112	2.68E-43	M1	DENND2A
CHCHD3.1	1.81E-47	-0.21594	0.191	0.404	2.71E-43	M1	CHCHD3
LDLRAD4.4	1.84E-47	0.446232	0.241	0.127	2.75E-43	M1	LDLRAD4
CREBL2.3	1.90E-47	0.459078	0.286	0.169	2.84E-43	M1	CREBL2
ZNF559.3	1.91E-47	-0.25365	0.037	0.167	2.86E-43	M1	ZNF559
KLC2.3	1.95E-47	-0.2133	0.022	0.141	2.92E-43	M1	KLC2
ARL2BP.1	1.97E-47	-0.26549	0.223	0.442	2.94E-43	M1	ARL2BP
CPT1C.2	2.01E-47	-0.27928	0.013	0.124	3.00E-43	M1	CPT1C
FAXC.3	2.10E-47	-0.26706	0.002	0.102	3.14E-43	M1	FAXC
SLC25A22.2	2.15E-47	-0.22376	0.017	0.132	3.22E-43	M1	SLC25A22
BOC.2	2.20E-47	-0.2022	0.003	0.104	3.29E-43	M1	BOC
FIGN.2	2.27E-47	-0.21228	0.003	0.105	3.40E-43	M1	FIGN
HSPA6.2	2.34E-47	0.421407	0.186	0.082	3.49E-43	M1	HSPA6
CD93.4	2.37E-47	0.36137	0.146	0.056	3.54E-43	M1	CD93
C9orf3.2	2.39E-47	-0.35984	0.013	0.123	3.57E-43	M1	C9orf3
ZNF626.1	2.64E-47	-0.20162	0.035	0.164	3.94E-43	M1	ZNF626
C17orf10C	2.67E-47	-0.19966	0.005	0.108	3.98E-43	M1	C17orf100
SMC4.2	2.82E-47	-0.29223	0.083	0.238	4.21E-43	M1	SMC4
CELF4.4	2.83E-47	-0.38898	0.006	0.11	4.23E-43	M1	CELF4
SMARCA1.2	2.91E-47	-0.21223	0.053	0.195	4.35E-43	M1	SMARCA1
PCYOX1.1	2.93E-47	-0.1951	0.059	0.205	4.38E-43	M1	PCYOX1
MAPK6.2	2.96E-47	-0.16397	0.053	0.196	4.43E-43	M1	MAPK6
COPS7B.1	3.19E-47	-0.19805	0.07	0.222	4.77E-43	M1	COPS7B
RAB39B.3	3.21E-47	-0.23246	0.005	0.107	4.80E-43	M1	RAB39B
NARF.1	3.23E-47	-0.20994	0.164	0.362	4.82E-43	M1	NARF
MAPKAPK5	3.39E-47	-0.24891	0.089	0.25	5.07E-43	M1	MAPKAPK5-AS1
CD151.3	3.45E-47	-0.367	0.302	0.518	5.15E-43	M1	CD151
CKAP2.4	3.47E-47	-0.27268	0.053	0.192	5.19E-43	M1	CKAP2
SAE1.2	3.82E-47	-0.26625	0.124	0.303	5.71E-43	M1	SAE1
TSSC1.1	3.82E-47	-0.22237	0.114	0.289	5.71E-43	M1	TSSC1
ELOVL6.2	3.85E-47	-0.21888	0.006	0.11	5.75E-43	M1	ELOVL6
EFNB2.3	3.97E-47	-0.17796	0.01	0.118	5.94E-43	M1	EFNB2
TBC1D4.3	3.98E-47	0.320072	0.11	0.035	5.95E-43	M1	TBC1D4
TMEM183A	4.16E-47	-0.23933	0.138	0.323	6.22E-43	M1	TMEM183A

MTFR1L.3	4.46E-47	-0.20556	0.134	0.322	6.66E-43	M1	MTFR1L
DHX40.3	4.56E-47	-0.20212	0.033	0.16	6.82E-43	M1	DHX40
SDHAF1.2	4.59E-47	-0.22242	0.057	0.2	6.86E-43	M1	SDHAF1
ABHD17A.3	4.61E-47	-0.23323	0.097	0.263	6.89E-43	M1	ABHD17A
SLC35F2.2	4.81E-47	-0.19232	0.014	0.126	7.18E-43	M1	SLC35F2
LRIF1.2	4.81E-47	-0.24091	0.071	0.223	7.18E-43	M1	LRIF1
MNAT1.3	4.87E-47	-0.2396	0.068	0.218	7.27E-43	M1	MNAT1
MEIS1.4	4.96E-47	-0.2303	0.003	0.104	7.41E-43	M1	MEIS1
MSANTD4.1	5.11E-47	-0.24518	0.025	0.145	7.64E-43	M1	MSANTD4
GCLM.2	5.26E-47	-0.22629	0.046	0.181	7.86E-43	M1	GCLM
VSTM2A.3	5.31E-47	-0.56605	0.014	0.124	7.93E-43	M1	VSTM2A
COPS6.2	5.39E-47	-0.2913	0.399	0.645	8.06E-43	M1	COPS6
SPNS3.3	5.53E-47	0.234805	0.068	0.014	8.26E-43	M1	SPNS3
ABCF2.2	5.76E-47	-0.22227	0.084	0.242	8.60E-43	M1	ABCF2
SLC9A3R2.5	5.79E-47	-0.20824	0.017	0.131	8.66E-43	M1	SLC9A3R2
CNOT4.1	5.97E-47	-0.21119	0.123	0.302	8.92E-43	M1	CNOT4
ANKRD46.2	6.07E-47	-0.30095	0.046	0.179	9.07E-43	M1	ANKRD46
THAP3.3	6.11E-47	-0.23452	0.031	0.155	9.14E-43	M1	THAP3
GGA2.4	6.60E-47	0.410879	0.232	0.12	9.86E-43	M1	GGA2
CMBL.2	6.74E-47	-0.20695	0.025	0.147	1.01E-42	M1	CMBL
ATXN2.2	7.05E-47	-0.15636	0.087	0.249	1.05E-42	M1	ATXN2
UBE2C.4	7.26E-47	-0.45533	0.021	0.136	1.08E-42	M1	UBE2C
DNAJA3.1	7.30E-47	-0.23961	0.056	0.197	1.09E-42	M1	DNAJA3
POMC.4	7.62E-47	0.311878	0.109	0.035	1.14E-42	M1	POMC
TRMT6.1	7.73E-47	-0.22946	0.059	0.202	1.16E-42	M1	TRMT6
DYNC2LI1.7	7.81E-47	-0.26028	0.05	0.187	1.17E-42	M1	DYNC2LI1
CELF5.4	7.93E-47	-0.34831	0.006	0.108	1.18E-42	M1	CELF5
ERLEC1.2	7.97E-47	-0.25675	0.188	0.396	1.19E-42	M1	ERLEC1
MOSPD3.1	8.47E-47	-0.237	0.134	0.318	1.27E-42	M1	MOSPD3
ARMC6.1	8.79E-47	-0.22629	0.047	0.183	1.31E-42	M1	ARMC6
PDLIM2.2	9.01E-47	-0.28124	0.102	0.268	1.35E-42	M1	PDLIM2
C19orf52.9	9.25E-47	-0.1832	0.055	0.198	1.38E-42	M1	C19orf52
AKT1S1.2	9.29E-47	-0.22125	0.1	0.268	1.39E-42	M1	AKT1S1
STOX2.4	9.50E-47	-0.25344	0.006	0.109	1.42E-42	M1	STOX2
BARD1.3	9.91E-47	-0.25024	0.039	0.168	1.48E-42	M1	BARD1
CHD6.3	9.91E-47	-0.20688	0.103	0.273	1.48E-42	M1	CHD6
HCAR2.9	9.94E-47	0.201998	0.043	0.005	1.49E-42	M1	HCAR2
ANKRD54.2	1.00E-46	-0.19293	0.034	0.161	1.50E-42	M1	ANKRD54
PEX10.2	1.08E-46	-0.18974	0.067	0.217	1.61E-42	M1	PEX10
DDX42.2	1.10E-46	-0.19656	0.085	0.245	1.65E-42	M1	DDX42
HBS1L.2	1.12E-46	-0.20709	0.067	0.216	1.67E-42	M1	HBS1L
PRKCZ.4	1.17E-46	-0.24081	0.011	0.118	1.74E-42	M1	PRKCZ
TET1.3	1.19E-46	-0.19492	0.001	0.099	1.78E-42	M1	TET1
DHX33.2	1.21E-46	-0.20935	0.022	0.141	1.81E-42	M1	DHX33
GLTP.2	1.25E-46	-0.29976	0.124	0.297	1.86E-42	M1	GLTP
MLLT3.2	1.31E-46	-0.24174	0.007	0.111	1.96E-42	M1	MLLT3
MPDZ.2	1.41E-46	-0.21812	0.003	0.103	2.11E-42	M1	MPDZ
RP11-212I1	1.46E-46	0.263703	0.067	0.014	2.18E-42	M1	RP11-212I21.4
PWP1.1	1.58E-46	-0.22168	0.146	0.334	2.36E-42	M1	PWP1
HLTF.3	1.60E-46	-0.21518	0.056	0.197	2.40E-42	M1	HLTF
OSER1-AS1	1.66E-46	-0.22624	0.029	0.152	2.48E-42	M1	OSER1-AS1

PPP5C. 3	1. 81E-46	-0. 20996	0. 058	0. 2	2. 70E-42 M1	PPP5C
DESI2. 2	1. 83E-46	-0. 18834	0. 069	0. 219	2. 74E-42 M1	DESI2
ABHD17C. 1	1. 84E-46	-0. 18727	0. 002	0. 1	2. 75E-42 M1	ABHD17C
PSMB5. 3	1. 93E-46	-0. 32306	0. 389	0. 636	2. 88E-42 M1	PSMB5
ZNF322. 2	1. 94E-46	-0. 19156	0. 03	0. 154	2. 90E-42 M1	ZNF322
CHTOP. 2	2. 27E-46	-0. 23415	0. 191	0. 402	3. 39E-42 M1	CHTOP
RTN3. 2	2. 39E-46	-0. 27631	0. 47	0. 692	3. 57E-42 M1	RTN3
NUBP2. 2	2. 41E-46	-0. 21886	0. 203	0. 417	3. 60E-42 M1	NUBP2
DAXX	2. 73E-46	-0. 20592	0. 075	0. 229	4. 08E-42 M1	DAXX
PSMD1. 1	2. 73E-46	-0. 22605	0. 16	0. 355	4. 08E-42 M1	PSMD1
RAB3GAP2. 2	2. 88E-46	-0. 19876	0. 053	0. 194	4. 30E-42 M1	RAB3GAP2
ALDH1A1. 2	3. 04E-46	0. 288817	0. 078	0. 019	4. 54E-42 M1	ALDH1A1
LINC01116	3. 08E-46	-0. 21411	0. 03	0. 153	4. 61E-42 M1	LINC01116
NCOA6. 4	3. 09E-46	-0. 17749	0. 032	0. 156	4. 61E-42 M1	NCOA6
TSR3. 2	3. 24E-46	-0. 22429	0. 126	0. 306	4. 84E-42 M1	TSR3
TRUB2. 2	3. 53E-46	-0. 21587	0. 082	0. 239	5. 28E-42 M1	TRUB2
PITX1. 3	3. 65E-46	-0. 17576	0. 003	0. 101	5. 45E-42 M1	PITX1
CSNK1G3. 2	3. 96E-46	-0. 19468	0. 043	0. 175	5. 92E-42 M1	CSNK1G3
ZNF521. 2	4. 05E-46	-0. 20551	0. 002	0. 1	6. 06E-42 M1	ZNF521
HABP4. 1	4. 18E-46	-0. 18033	0. 022	0. 139	6. 24E-42 M1	HABP4
MAGOHB. 1	4. 21E-46	-0. 24668	0. 101	0. 265	6. 29E-42 M1	MAGOHB
AGPAT5. 3	4. 27E-46	-0. 2341	0. 08	0. 235	6. 38E-42 M1	AGPAT5
CNOT7. 2	4. 38E-46	-0. 21101	0. 195	0. 403	6. 54E-42 M1	CNOT7
SNX20. 3	4. 40E-46	0. 28569	0. 104	0. 033	6. 58E-42 M1	SNX20
POLR2B. 3	4. 50E-46	-0. 24087	0. 119	0. 291	6. 72E-42 M1	POLR2B
CYB5D2. 2	4. 51E-46	-0. 19551	0. 096	0. 26	6. 74E-42 M1	CYB5D2
TLN1. 4	4. 67E-46	0. 456806	0. 373	0. 267	6. 98E-42 M1	TLN1
SBDS. 4	5. 18E-46	-0. 31102	0. 405	0. 651	7. 74E-42 M1	SBDS
GPRIN3. 4	5. 35E-46	0. 322704	0. 126	0. 045	7. 99E-42 M1	GPRIN3
ITGA3. 2	5. 47E-46	-0. 19692	0. 01	0. 116	8. 17E-42 M1	ITGA3
GIMAP2. 3	5. 51E-46	0. 395044	0. 152	0. 062	8. 24E-42 M1	GIMAP2
ZNF793. 1	5. 93E-46	-0. 18193	0. 017	0. 129	8. 86E-42 M1	ZNF793
ANGPTL2. 2	6. 02E-46	-0. 32318	0. 011	0. 117	9. 00E-42 M1	ANGPTL2
VPS26B. 3	6. 11E-46	-0. 22735	0. 096	0. 258	9. 13E-42 M1	VPS26B
CACNG7. 2	6. 33E-46	-0. 2004	0. 003	0. 1	9. 46E-42 M1	CACNG7
TWF2. 4	6. 47E-46	0. 432713	0. 425	0. 324	9. 67E-42 M1	TWF2
NTN1. 1	6. 49E-46	-0. 20167	0. 002	0. 098	9. 69E-42 M1	NTN1
HAS1. 1	6. 61E-46	0. 228587	0. 048	0. 007	9. 88E-42 M1	HAS1
WASF1. 1	7. 52E-46	-0. 24912	0. 008	0. 112	1. 12E-41 M1	WASF1
HARS	7. 69E-46	-0. 22693	0. 13	0. 311	1. 15E-41 M1	HARS
EEF1A1. 4	8. 00E-46	-0. 29819	0. 796	0. 832	1. 20E-41 M1	EEF1A1
ATG16L2. 4	8. 03E-46	0. 433716	0. 165	0. 072	1. 20E-41 M1	ATG16L2
TRIM36. 4	8. 25E-46	-0. 22987	0. 063	0. 206	1. 23E-41 M1	TRIM36
FGF1. 2	8. 35E-46	-0. 30687	0. 008	0. 111	1. 25E-41 M1	FGF1
SDR39U1. 2	8. 58E-46	-0. 22424	0. 126	0. 304	1. 28E-41 M1	SDR39U1
SYBU. 2	9. 23E-46	-0. 24014	0. 004	0. 103	1. 38E-41 M1	SYBU
MZT1. 2	1. 02E-45	-0. 19912	0. 113	0. 284	1. 53E-41 M1	MZT1
SH3BGR. 3	1. 05E-45	-0. 37944	0. 026	0. 143	1. 57E-41 M1	SH3BGR
ARFIP2. 3	1. 08E-45	-0. 17829	0. 104	0. 272	1. 61E-41 M1	ARFIP2
SLC12A2. 3	1. 15E-45	-0. 24394	0. 029	0. 15	1. 72E-41 M1	SLC12A2
MZT2A. 2	1. 17E-45	-0. 2432	0. 233	0. 45	1. 75E-41 M1	MZT2A

PDLIM7. 2	1. 28E-45	-0. 22373	0. 101	0. 266	1. 92E-41	M1	PDLIM7
CAMK2D. 2	1. 30E-45	-0. 25223	0. 106	0. 271	1. 95E-41	M1	CAMK2D
PDZD11. 3	1. 36E-45	-0. 27698	0. 192	0. 392	2. 03E-41	M1	PDZD11
ZNF22. 3	1. 54E-45	-0. 24828	0. 128	0. 305	2. 31E-41	M1	ZNF22
ETF1. 3	1. 66E-45	0. 452449	0. 422	0. 33	2. 48E-41	M1	ETF1
PDE4B. 4	1. 86E-45	0. 516748	0. 365	0. 258	2. 77E-41	M1	PDE4B
DNAJC2. 2	2. 15E-45	-0. 19647	0. 144	0. 329	3. 21E-41	M1	DNAJC2
CREB3	2. 18E-45	-0. 22535	0. 128	0. 307	3. 26E-41	M1	CREB3
MTSS1L. 2	2. 19E-45	-0. 21983	0. 008	0. 111	3. 27E-41	M1	MTSS1L
ZNHIT3	2. 22E-45	-0. 19582	0. 206	0. 42	3. 31E-41	M1	ZNHIT3
CHAMP1. 2	2. 38E-45	-0. 19798	0. 029	0. 149	3. 56E-41	M1	CHAMP1
HMGB1. 2	2. 39E-45	-0. 24807	0. 778	0. 878	3. 57E-41	M1	HMGB1
ARRDC2. 4	2. 42E-45	0. 399981	0. 164	0. 07	3. 62E-41	M1	ARRDC2
TAOK1. 2	2. 52E-45	-0. 21494	0. 116	0. 288	3. 77E-41	M1	TAOK1
SPAG9. 3	2. 56E-45	-0. 20541	0. 184	0. 387	3. 83E-41	M1	SPAG9
NPEPPS. 1	2. 59E-45	-0. 17025	0. 091	0. 252	3. 88E-41	M1	NPEPPS
SRRT. 1	2. 81E-45	-0. 21718	0. 087	0. 243	4. 20E-41	M1	SRRT
TMEM108. 2	2. 91E-45	-0. 20962	0. 001	0. 096	4. 34E-41	M1	TMEM108
CDK5R1. 4	3. 11E-45	-0. 27318	0. 008	0. 11	4. 64E-41	M1	CDK5R1
PRRT2. 2	3. 26E-45	-0. 20144	0. 007	0. 108	4. 87E-41	M1	PRRT2
TMEM115. 2	3. 54E-45	-0. 20155	0. 079	0. 234	5. 29E-41	M1	TMEM115
ILDR2. 3	3. 62E-45	-0. 18015	0. 001	0. 096	5. 41E-41	M1	ILDR2
GAN. 2	3. 74E-45	-0. 18328	0. 037	0. 162	5. 59E-41	M1	GAN
KIF5A. 3	4. 01E-45	-0. 32915	0. 026	0. 141	6. 00E-41	M1	KIF5A
GNB5. 2	4. 06E-45	-0. 18315	0. 017	0. 128	6. 07E-41	M1	GNB5
TCEAL4. 2	4. 48E-45	-0. 30661	0. 369	0. 612	6. 70E-41	M1	TCEAL4
STAMPB. 2	4. 56E-45	-0. 21815	0. 12	0. 295	6. 82E-41	M1	STAMPB
CALM3. 3	4. 65E-45	-0. 30034	0. 405	0. 63	6. 95E-41	M1	CALM3
MMAB. 2	4. 70E-45	-0. 22756	0. 073	0. 222	7. 02E-41	M1	MMAB
PDGFD. 2	4. 80E-45	-0. 18049	0. 001	0. 095	7. 17E-41	M1	PDGFD
TMEM99. 3	4. 88E-45	-0. 21943	0. 029	0. 147	7. 30E-41	M1	TMEM99
KHDRBS1. 3	5. 02E-45	-0. 28043	0. 302	0. 523	7. 50E-41	M1	KHDRBS1
DVL3. 2	5. 04E-45	-0. 18827	0. 044	0. 175	7. 53E-41	M1	DVL3
WIPF1. 4	5. 05E-45	0. 46142	0. 315	0. 2	7. 55E-41	M1	WIPF1
COX11. 2	5. 08E-45	-0. 19473	0. 157	0. 351	7. 59E-41	M1	COX11
DYNLL2. 4	5. 15E-45	-0. 21496	0. 079	0. 231	7. 69E-41	M1	DYNLL2
ZNF667. 3	5. 63E-45	-0. 23072	0. 002	0. 097	8. 41E-41	M1	ZNF667
SLC35B1. 1	5. 78E-45	-0. 22769	0. 215	0. 426	8. 63E-41	M1	SLC35B1
POLR3F. 2	5. 88E-45	-0. 21025	0. 034	0. 158	8. 79E-41	M1	POLR3F
RUNDC3A. 4	5. 89E-45	-0. 30173	0. 011	0. 115	8. 80E-41	M1	RUNDC3A
ACBD6. 1	6. 23E-45	-0. 19153	0. 127	0. 307	9. 31E-41	M1	ACBD6
CREBZF. 3	6. 37E-45	-0. 21638	0. 031	0. 151	9. 52E-41	M1	CREBZF
RWDD4	6. 74E-45	-0. 17985	0. 093	0. 254	1. 01E-40	M1	RWDD4
ZNF638. 3	6. 74E-45	-0. 18548	0. 111	0. 28	1. 01E-40	M1	ZNF638
ITPRIP. 4	7. 17E-45	0. 387423	0. 147	0. 06	1. 07E-40	M1	ITPRIP
GLRX5. 3	7. 58E-45	-0. 23726	0. 142	0. 327	1. 13E-40	M1	GLRX5
DPH7. 3	7. 71E-45	-0. 19339	0. 053	0. 19	1. 15E-40	M1	DPH7
BSG. 4	7. 74E-45	-0. 28409	0. 602	0. 769	1. 16E-40	M1	BSG
GRAMD3. 4	7. 79E-45	-0. 25423	0. 037	0. 161	1. 16E-40	M1	GRAMD3
SRSF10. 3	8. 22E-45	-0. 21765	0. 103	0. 267	1. 23E-40	M1	SRSF10
ATP5G1. 2	8. 22E-45	-0. 30519	0. 421	0. 657	1. 23E-40	M1	ATP5G1

SLC30A9.3	8.33E-45	-0.18382	0.111	0.28	1.25E-40	M1	SLC30A9
LSM1.1	8.67E-45	-0.20043	0.264	0.494	1.30E-40	M1	LSM1
ZNF775.3	9.06E-45	-0.21273	0.009	0.112	1.35E-40	M1	ZNF775
LYRM2.1	9.22E-45	-0.17302	0.14	0.325	1.38E-40	M1	LYRM2
PTCD3.2	9.57E-45	-0.2049	0.096	0.257	1.43E-40	M1	PTCD3
PET117.1	9.69E-45	-0.20563	0.062	0.203	1.45E-40	M1	PET117
SNTA1.2	1.01E-44	-0.1837	0.004	0.101	1.51E-40	M1	SNTA1
UBE2G1.4	1.05E-44	-0.20731	0.115	0.286	1.58E-40	M1	UBE2G1
PCDHB2.2	1.06E-44	-0.20602	0.001	0.095	1.58E-40	M1	PCDHB2
ROMO1.3	1.09E-44	-0.2905	0.41	0.632	1.64E-40	M1	ROMO1
CPED1.2	1.10E-44	0.258179	0.083	0.022	1.64E-40	M1	CPED1
LRRC42.2	1.12E-44	-0.23116	0.039	0.165	1.67E-40	M1	LRRC42
M1AP	1.14E-44	0.171982	0.039	0.004	1.71E-40	M1	M1AP
RITA1.2	1.15E-44	-0.22623	0.032	0.152	1.72E-40	M1	RITA1
HBB.3	1.17E-44	0.280427	0.503	0.378	1.75E-40	M1	HBB
ESF1.2	1.28E-44	-0.24403	0.181	0.378	1.92E-40	M1	ESF1
TMEM255B.1	1.31E-44	0.390968	0.12	0.042	1.96E-40	M1	TMEM255B
FDPS.2	1.31E-44	-0.27741	0.238	0.451	1.96E-40	M1	FDPS
CBLN4.4	1.32E-44	-0.26969	0.001	0.095	1.98E-40	M1	CBLN4
MBD3.2	1.60E-44	-0.18896	0.051	0.186	2.40E-40	M1	MBD3
LRRCC1.3	1.74E-44	-0.25217	0.034	0.156	2.61E-40	M1	LRRCC1
PPP1CC.2	1.77E-44	-0.24173	0.26	0.482	2.64E-40	M1	PPP1CC
IL15.2	1.92E-44	0.281628	0.091	0.026	2.87E-40	M1	IL15
PTTG1.3	1.96E-44	-0.37837	0.103	0.256	2.93E-40	M1	PTTG1
UQCC1.2	2.10E-44	-0.19483	0.053	0.188	3.14E-40	M1	UQCC1
SLN.1	2.21E-44	-0.67777	0.053	0.183	3.30E-40	M1	SLN
QDPR.3	2.23E-44	-0.32796	0.197	0.393	3.33E-40	M1	QDPR
SNCAIP.3	2.28E-44	-0.21659	0.005	0.102	3.40E-40	M1	SNCAIP
WIZ.1	2.44E-44	-0.19671	0.019	0.129	3.64E-40	M1	WIZ
EIF1AY.3	2.45E-44	-0.20522	0.061	0.201	3.65E-40	M1	EIF1AY
TP53RK.2	2.48E-44	-0.16441	0.069	0.215	3.70E-40	M1	TP53RK
GTF2H5.2	2.48E-44	-0.30654	0.23	0.439	3.71E-40	M1	GTF2H5
GAMT.4	2.60E-44	-0.22622	0.146	0.33	3.88E-40	M1	GAMT
MCRS1.1	2.64E-44	-0.22099	0.124	0.299	3.95E-40	M1	MCRS1
TCF12.4	2.64E-44	-0.24613	0.139	0.313	3.95E-40	M1	TCF12
BIRC5.4	2.67E-44	-0.4144	0.016	0.122	3.98E-40	M1	BIRC5
TMX2.1	2.69E-44	-0.23952	0.222	0.433	4.02E-40	M1	TMX2
CAMLG.3	2.88E-44	-0.23865	0.299	0.533	4.31E-40	M1	CAMLG
PDLIM5.1	2.93E-44	-0.19275	0.089	0.246	4.38E-40	M1	PDLIM5
FBXO5.1	3.12E-44	-0.22466	0.011	0.113	4.67E-40	M1	FBXO5
EPHA4.1	3.33E-44	-0.21866	0.003	0.097	4.97E-40	M1	EPHA4
NOP56	3.52E-44	-0.2471	0.233	0.45	5.27E-40	M1	NOP56
EPRS.2	3.58E-44	-0.21518	0.143	0.324	5.35E-40	M1	EPRS
ARMC10.2	3.78E-44	-0.21291	0.144	0.327	5.65E-40	M1	ARMC10
RP11-390E	3.86E-44	-0.27542	0.028	0.144	5.77E-40	M1	RP11-390E23.6
TCEA1	3.99E-44	-0.29214	0.301	0.521	5.97E-40	M1	TCEA1
MACF1.2	4.19E-44	-0.22136	0.164	0.353	6.26E-40	M1	MACF1
RGMB.3	4.29E-44	-0.32969	0.033	0.152	6.41E-40	M1	RGMB
SMARCC2.3	4.31E-44	-0.16079	0.119	0.292	6.44E-40	M1	SMARCC2
ZHX1.3	4.51E-44	-0.21825	0.083	0.234	6.74E-40	M1	ZHX1
DUSP15.3	4.61E-44	-0.18243	0.009	0.11	6.89E-40	M1	DUSP15



ARMCX1.3	4.89E-44	-0.21162	0.087	0.239	7.30E-40	M1	ARMCX1
RCAN1.4	4.99E-44	-0.38758	0.128	0.296	7.45E-40	M1	RCAN1
ARHGFEF26.	5.09E-44	-0.18298	0.028	0.144	7.61E-40	M1	ARHGFEF26
THOP1.3	5.15E-44	-0.17146	0.077	0.226	7.70E-40	M1	THOP1
SLC39A7.1	5.44E-44	-0.22273	0.151	0.336	8.13E-40	M1	SLC39A7
LRIG1.3	5.53E-44	-0.22	0.018	0.126	8.26E-40	M1	LRIG1
ANAPC7.2	5.64E-44	-0.20669	0.058	0.195	8.43E-40	M1	ANAPC7
DUSP12.1	5.80E-44	-0.196	0.1	0.262	8.67E-40	M1	DUSP12
ELMOD1.2	6.01E-44	-0.16065	0.003	0.098	8.97E-40	M1	ELMOD1
ALDH3A2.2	6.03E-44	-0.20568	0.098	0.259	9.02E-40	M1	ALDH3A2
CERCAM.2	6.04E-44	-0.25395	0.031	0.149	9.03E-40	M1	CERCAM
FAM69C.3	6.08E-44	-0.19218	0.001	0.092	9.09E-40	M1	FAM69C
DNAJC18.1	6.08E-44	-0.2196	0.026	0.142	9.09E-40	M1	DNAJC18
GPX3.3	6.12E-44	0.444612	0.246	0.134	9.15E-40	M1	GPX3
NACC1.1	6.34E-44	-0.15943	0.043	0.172	9.47E-40	M1	NACC1
GNL1.2	6.44E-44	-0.18213	0.104	0.27	9.62E-40	M1	GNL1
KIAA0907.	6.57E-44	-0.19372	0.072	0.218	9.82E-40	M1	KIAA0907
ADD2.2	6.62E-44	-0.23941	0.007	0.105	9.90E-40	M1	ADD2
NAGK.2	6.81E-44	0.376838	0.457	0.366	1.02E-39	M1	NAGK
BRSK1.2	6.81E-44	-0.22805	0.004	0.1	1.02E-39	M1	BRSK1
TCEB2.4	6.99E-44	-0.25425	0.718	0.845	1.04E-39	M1	TCEB2
POLR3H.2	7.07E-44	-0.21622	0.086	0.24	1.06E-39	M1	POLR3H
FAHD1.2	7.20E-44	-0.20954	0.061	0.199	1.08E-39	M1	FAHD1
ARL6IP4.4	7.27E-44	0.234237	0.65	0.619	1.09E-39	M1	ARL6IP4
CMTM5.3	7.74E-44	-0.49185	0.014	0.117	1.16E-39	M1	CMTM5
AP3D1.2	7.92E-44	-0.18327	0.152	0.34	1.18E-39	M1	AP3D1
DUSP26.3	8.35E-44	-0.36468	0.007	0.104	1.25E-39	M1	DUSP26
DPP4.2	8.36E-44	-0.19136	0.001	0.093	1.25E-39	M1	DPP4
IMPAD1.2	8.54E-44	-0.19929	0.067	0.21	1.28E-39	M1	IMPAD1
BIVM.2	8.88E-44	-0.21098	0.019	0.129	1.33E-39	M1	BIVM
CCP110.3	8.98E-44	-0.27944	0.028	0.143	1.34E-39	M1	CCP110
CYHR1.3	9.04E-44	-0.21506	0.131	0.308	1.35E-39	M1	CYHR1
BCS1L.2	9.08E-44	-0.21855	0.055	0.188	1.36E-39	M1	BCS1L
FARSB.2	9.12E-44	-0.21041	0.099	0.259	1.36E-39	M1	FARSB
DHX30.2	9.19E-44	-0.16896	0.115	0.286	1.37E-39	M1	DHX30
NOVA2.2	9.71E-44	-0.22081	0.003	0.096	1.45E-39	M1	NOVA2
LOXL1.2	9.94E-44	-0.17384	0.001	0.093	1.49E-39	M1	LOXL1
PAX6.2	1.02E-43	-0.19802	0.002	0.094	1.52E-39	M1	PAX6
PRKDC.1	1.06E-43	-0.18553	0.141	0.322	1.59E-39	M1	PRKDC
CUL5.3	1.10E-43	-0.17387	0.091	0.249	1.65E-39	M1	CUL5
MSANTD3.2	1.10E-43	-0.212	0.006	0.103	1.65E-39	M1	MSANTD3
PLA2G4A.2	1.16E-43	0.250305	0.083	0.022	1.73E-39	M1	PLA2G4A
CPSF4.1	1.21E-43	-0.1856	0.074	0.22	1.80E-39	M1	CPSF4
CASP4.4	1.26E-43	0.416601	0.329	0.207	1.88E-39	M1	CASP4
RARS2.1	1.30E-43	-0.18836	0.07	0.215	1.94E-39	M1	RARS2
COX6C.4	1.32E-43	-0.26796	0.736	0.85	1.97E-39	M1	COX6C
UBA1.1	1.33E-43	-0.20675	0.177	0.375	1.99E-39	M1	UBA1
MUM1.4	1.44E-43	-0.23016	0.196	0.397	2.16E-39	M1	MUM1
HIP1R.3	1.45E-43	-0.25403	0.019	0.127	2.16E-39	M1	HIP1R
PEG10.2	1.48E-43	-0.36506	0.016	0.12	2.21E-39	M1	PEG10
MARCH1.4	1.49E-43	0.399992	0.292	0.17	2.23E-39	M1	1-Mar

TXNL4A.2	1.54E-43	-0.25376	0.233	0.446	2.30E-39	M1	TXNL4A
MRPS23.2	1.58E-43	-0.24802	0.198	0.4	2.36E-39	M1	MRPS23
RFFL.4	1.69E-43	-0.20032	0.053	0.187	2.52E-39	M1	RFFL
AP3M2.2	1.71E-43	-0.21233	0.009	0.108	2.55E-39	M1	AP3M2
NOS1AP.3	1.73E-43	-0.21518	0.002	0.095	2.59E-39	M1	NOS1AP
MAOB.2	1.80E-43	-0.35649	0.013	0.116	2.70E-39	M1	MAOB
REEP1.4	1.84E-43	-0.2528	0.003	0.096	2.74E-39	M1	REEP1
NELFA.3	1.88E-43	-0.20136	0.038	0.16	2.81E-39	M1	NELFA
DUSP14.3	1.89E-43	-0.17643	0.063	0.203	2.83E-39	M1	DUSP14
PLCB1.2	1.89E-43	-0.21368	0.003	0.096	2.83E-39	M1	PLCB1
SARS.3	1.90E-43	-0.22734	0.256	0.48	2.83E-39	M1	SARS
RNPS1	1.94E-43	-0.24675	0.34	0.573	2.90E-39	M1	RNPS1
COA4.1	2.08E-43	-0.27981	0.217	0.42	3.11E-39	M1	COA4
C12orf73.	2.15E-43	-0.21481	0.047	0.176	3.21E-39	M1	C12orf73
TXNDC17.3	2.23E-43	-0.3228	0.349	0.56	3.33E-39	M1	TXNDC17
GPR162.2	2.24E-43	-0.22567	0.015	0.119	3.34E-39	M1	GPR162
C11orf57.	2.50E-43	-0.22184	0.047	0.175	3.73E-39	M1	C11orf57
TLCD1.2	2.54E-43	-0.16142	0.003	0.096	3.80E-39	M1	TLCD1
NUDCD2.1	2.60E-43	-0.25604	0.225	0.436	3.88E-39	M1	NUDCD2
CARD11.3	2.62E-43	0.222374	0.074	0.019	3.91E-39	M1	CARD11
ELAVL2.4	2.82E-43	-0.31264	0.003	0.095	4.21E-39	M1	ELAVL2
CXXC4.3	2.85E-43	-0.24037	0.002	0.093	4.27E-39	M1	CXXC4
TMEM178A.	2.96E-43	-0.24209	0.025	0.137	4.42E-39	M1	TMEM178A
TNPO3	3.10E-43	-0.25059	0.04	0.163	4.63E-39	M1	TNPO3
UBXN1.4	3.17E-43	0.278994	0.638	0.617	4.74E-39	M1	UBXN1
ELOVL4.2	3.21E-43	-0.21922	0.003	0.095	4.80E-39	M1	ELOVL4
TRIO.3	3.23E-43	-0.24118	0.06	0.195	4.82E-39	M1	TRIO
PHF6.3	3.35E-43	-0.18294	0.057	0.193	5.00E-39	M1	PHF6
CKAP5.4	3.44E-43	-0.20752	0.048	0.178	5.14E-39	M1	CKAP5
SLC25A18.	3.69E-43	-0.26083	0.007	0.103	5.51E-39	M1	SLC25A18
ACTR10.2	4.32E-43	-0.24129	0.194	0.393	6.46E-39	M1	ACTR10
SREK1.3	4.44E-43	-0.20444	0.165	0.354	6.63E-39	M1	SREK1
RBM4.2	4.55E-43	-0.17321	0.091	0.246	6.80E-39	M1	RBM4
CSF1.2	4.58E-43	-0.21924	0.011	0.111	6.84E-39	M1	CSF1
NOP10.4	4.66E-43	0.251273	0.644	0.598	6.96E-39	M1	NOP10
TMEM205.3	4.73E-43	-0.3653	0.319	0.531	7.07E-39	M1	TMEM205
CASC15.3	4.87E-43	-0.2476	0.014	0.116	7.28E-39	M1	CASC15
VNN2.2	4.98E-43	0.241902	0.069	0.016	7.44E-39	M1	VNN2
CRCP.2	5.93E-43	-0.17823	0.065	0.205	8.86E-39	M1	CRCP
HRH1.3	6.16E-43	-0.22271	0.012	0.113	9.20E-39	M1	HRH1
DPF2.1	7.05E-43	-0.17352	0.093	0.25	1.05E-38	M1	DPF2
PIANP.2	7.12E-43	-0.19045	0.004	0.098	1.06E-38	M1	PIANP
AHCY.1	7.30E-43	-0.19513	0.145	0.324	1.09E-38	M1	AHCY
FANCL.2	7.61E-43	-0.26417	0.041	0.163	1.14E-38	M1	FANCL
PRRG4.3	7.87E-43	0.332915	0.102	0.033	1.18E-38	M1	PRRG4
PUF60.2	8.08E-43	-0.24681	0.345	0.581	1.21E-38	M1	PUF60
MED21.1	8.49E-43	-0.21675	0.085	0.235	1.27E-38	M1	MED21
LINC00685	8.56E-43	-0.19026	0.044	0.17	1.28E-38	M1	LINC00685
UBL4A.3	8.63E-43	-0.18571	0.066	0.206	1.29E-38	M1	UBL4A
CMAS.1	8.83E-43	-0.20344	0.125	0.295	1.32E-38	M1	CMAS
VAX2.3	9.92E-43	-0.21828	0.003	0.095	1.48E-38	M1	VAX2

SUDS3.3	1.06E-42	-0.16947	0.069	0.212	1.59E-38	M1	SUDS3
TMEM5.2	1.16E-42	-0.22867	0.085	0.233	1.73E-38	M1	TMEM5
VKORC1L1.	1.17E-42	-0.19721	0.033	0.151	1.75E-38	M1	VKORC1L1
MAGED2.4	1.19E-42	-0.27134	0.322	0.546	1.78E-38	M1	MAGED2
VEZT.2	1.20E-42	-0.16123	0.096	0.253	1.79E-38	M1	VEZT
BOLA3.2	1.21E-42	-0.26528	0.176	0.367	1.81E-38	M1	BOLA3
PTBP2.2	1.23E-42	-0.2687	0.018	0.123	1.84E-38	M1	PTBP2
CCDC181.3	1.26E-42	-0.25674	0.003	0.095	1.89E-38	M1	CCDC181
PLAT.1	1.29E-42	-0.2513	0.026	0.138	1.93E-38	M1	PLAT
TMEM41B.2	1.31E-42	-0.19699	0.062	0.199	1.95E-38	M1	TMEM41B
TMTC4.3	1.34E-42	-0.25306	0.014	0.115	2.00E-38	M1	TMTC4
EPB41L1.2	1.37E-42	-0.20388	0.008	0.104	2.05E-38	M1	EPB41L1
PIK3R3.2	1.42E-42	-0.16299	0.033	0.152	2.12E-38	M1	PIK3R3
CLASP1.3	1.49E-42	-0.19349	0.037	0.158	2.23E-38	M1	CLASP1
F12.2	1.57E-42	-0.19218	0.002	0.093	2.34E-38	M1	F12
MED17.1	1.57E-42	-0.1899	0.071	0.213	2.34E-38	M1	MED17
DHRS11.3	1.61E-42	-0.15696	0.016	0.12	2.40E-38	M1	DHRS11
ATP6AP1.4	1.63E-42	0.345075	0.536	0.484	2.43E-38	M1	ATP6AP1
TIMP4.2	1.64E-42	-0.41895	0.015	0.118	2.45E-38	M1	TIMP4
DLX6-AS1.	1.66E-42	-0.65117	0.037	0.149	2.48E-38	M1	DLX6-AS1
LINC00152	1.71E-42	-0.30927	0.123	0.286	2.56E-38	M1	LINC00152
TMEM136.2	1.72E-42	-0.20511	0.008	0.104	2.57E-38	M1	TMEM136
TPT1-AS1.	1.72E-42	-0.16356	0.038	0.159	2.57E-38	M1	TPT1-AS1
IGF2BP2.2	1.76E-42	-0.20555	0.004	0.096	2.63E-38	M1	IGF2BP2
BLCAP.1	1.77E-42	-0.21776	0.143	0.32	2.64E-38	M1	BLCAP
PIGU.3	1.79E-42	-0.25715	0.06	0.193	2.67E-38	M1	PIGU
LMNB2.4	1.84E-42	-0.18667	0.024	0.135	2.75E-38	M1	LMNB2
PCOLCE2.2	1.84E-42	-0.2702	0.005	0.098	2.75E-38	M1	PCOLCE2
KBTBD6.2	1.86E-42	-0.19784	0.033	0.151	2.79E-38	M1	KBTBD6
USP48	1.89E-42	-0.17806	0.088	0.24	2.83E-38	M1	USP48
IL32.2	2.01E-42	-0.48952	0.015	0.117	3.00E-38	M1	IL32
PIGF.3	2.04E-42	-0.21819	0.141	0.317	3.04E-38	M1	PIGF
TARDBP	2.21E-42	-0.19238	0.145	0.324	3.30E-38	M1	TARDBP
TMEM70.3	2.22E-42	0.434317	0.46	0.382	3.32E-38	M1	TMEM70
HP1BP3.4	2.29E-42	-0.23436	0.259	0.479	3.42E-38	M1	HP1BP3
ZBED5.3	2.29E-42	-0.16918	0.064	0.202	3.42E-38	M1	ZBED5
TMEM199.2	2.29E-42	-0.16242	0.107	0.269	3.43E-38	M1	TMEM199
AMOTL2.1	2.35E-42	-0.28252	0.004	0.096	3.51E-38	M1	AMOTL2
DMRTA2.1	2.36E-42	-0.18411	0.002	0.091	3.52E-38	M1	DMRTA2
LEO1.1	2.59E-42	-0.22491	0.042	0.164	3.88E-38	M1	LEO1
RNF8.3	2.69E-42	-0.19236	0.057	0.189	4.02E-38	M1	RNF8
ATG4D.1	2.73E-42	-0.18002	0.052	0.182	4.08E-38	M1	ATG4D
HDDC2.1	2.75E-42	-0.27271	0.228	0.435	4.10E-38	M1	HDDC2
FAM57A.2	2.76E-42	-0.16318	0.011	0.111	4.13E-38	M1	FAM57A
CCT3.2	2.76E-42	-0.27214	0.376	0.618	4.13E-38	M1	CCT3
PSMC3.2	2.82E-42	-0.25696	0.333	0.57	4.22E-38	M1	PSMC3
ZNF544.2	2.87E-42	-0.19419	0.028	0.141	4.29E-38	M1	ZNF544
HSF2.2	2.91E-42	-0.24739	0.025	0.136	4.35E-38	M1	HSF2
DID01.2	2.93E-42	-0.15029	0.044	0.169	4.38E-38	M1	DID01
ASTN1.1	3.06E-42	-0.15817	0.01	0.108	4.57E-38	M1	ASTN1
GALNT11.2	3.24E-42	-0.17263	0.097	0.252	4.84E-38	M1	GALNT11

MXI1. 1	3. 37E-42	-0. 29174	0. 036	0. 153	5. 03E-38 M1	MXI1
TMEM100. 4	3. 42E-42	-0. 36601	0. 009	0. 105	5. 12E-38 M1	TMEM100
CLPP. 1	3. 45E-42	-0. 23726	0. 224	0. 433	5. 15E-38 M1	CLPP
FAM63B. 1	3. 77E-42	-0. 19121	0. 082	0. 229	5. 64E-38 M1	FAM63B
PSMB7. 2	3. 81E-42	-0. 28572	0. 444	0. 68	5. 70E-38 M1	PSMB7
ILKAP. 2	3. 82E-42	-0. 19664	0. 099	0. 255	5. 70E-38 M1	ILKAP
HSD17B10. 3	3. 87E-42	-0. 2917	0. 306	0. 533	5. 78E-38 M1	HSD17B10
AC004951. 4	4. 11E-42	-0. 14788	0. 049	0. 178	6. 14E-38 M1	AC004951. 6
CCDC106. 4	4. 38E-42	-0. 17195	0. 1	0. 258	6. 55E-38 M1	CCDC106
HOOK2. 2	4. 39E-42	-0. 15835	0. 101	0. 261	6. 57E-38 M1	HOOK2
THUMPD3. 1	4. 63E-42	-0. 18349	0. 074	0. 218	6. 92E-38 M1	THUMPD3
ATG9A. 2	4. 95E-42	-0. 17069	0. 024	0. 135	7. 39E-38 M1	ATG9A
GLOD4. 1	5. 21E-42	-0. 22319	0. 215	0. 424	7. 79E-38 M1	GLOD4
GPR132. 3	5. 22E-42	0. 267878	0. 078	0. 021	7. 80E-38 M1	GPR132
HKR1. 3	5. 31E-42	-0. 2275	0. 025	0. 135	7. 93E-38 M1	HKR1
TNKS. 4	5. 49E-42	-0. 15546	0. 044	0. 169	8. 21E-38 M1	TNKS
FAM102A. 1	5. 62E-42	-0. 24398	0. 014	0. 114	8. 41E-38 M1	FAM102A
MEOX2. 2	5. 66E-42	-0. 23714	0. 003	0. 094	8. 45E-38 M1	MEOX2
EMC6. 2	5. 70E-42	-0. 23286	0. 257	0. 469	8. 52E-38 M1	EMC6
SLC25A17. 5	5. 80E-42	-0. 21161	0. 05	0. 178	8. 67E-38 M1	SLC25A17
ZC3H8. 2	5. 83E-42	-0. 21276	0. 044	0. 168	8. 70E-38 M1	ZC3H8
TBRG4. 2	5. 83E-42	-0. 1899	0. 105	0. 264	8. 71E-38 M1	TBRG4
HYAL2. 4	5. 98E-42	-0. 16591	0. 094	0. 249	8. 93E-38 M1	HYAL2
CTD-3184A	6. 00E-42	-0. 1782	0. 013	0. 114	8. 96E-38 M1	CTD-3184A7. 4
EMC9. 1	6. 01E-42	-0. 22699	0. 064	0. 2	8. 99E-38 M1	EMC9
ING2. 2	6. 42E-42	-0. 1851	0. 084	0. 231	9. 60E-38 M1	ING2
RNF10. 2	6. 48E-42	-0. 17622	0. 172	0. 365	9. 68E-38 M1	RNF10
RRP36. 3	6. 68E-42	-0. 15552	0. 042	0. 166	9. 98E-38 M1	RRP36
TTF1. 1	7. 16E-42	-0. 16835	0. 081	0. 227	1. 07E-37 M1	TTF1
HOXC9. 4	7. 23E-42	-0. 31123	0. 007	0. 101	1. 08E-37 M1	HOXC9
PSMB2. 2	7. 41E-42	-0. 31327	0. 374	0. 614	1. 11E-37 M1	PSMB2
COR01B. 4	7. 41E-42	0. 400129	0. 433	0. 347	1. 11E-37 M1	COR01B
MAPK7. 2	7. 50E-42	-0. 19234	0. 03	0. 144	1. 12E-37 M1	MAPK7
YIPF3. 3	7. 74E-42	-0. 22618	0. 289	0. 522	1. 16E-37 M1	YIPF3
PPP1CA. 3	8. 11E-42	0. 260862	0. 609	0. 564	1. 21E-37 M1	PPP1CA
GGPS1. 3	8. 62E-42	-0. 20329	0. 162	0. 349	1. 29E-37 M1	GGPS1
IQCE. 2	8. 76E-42	-0. 20076	0. 026	0. 137	1. 31E-37 M1	IQCE
AC093673. 5	9. 17E-42	-0. 19251	0. 064	0. 201	1. 37E-37 M1	AC093673. 5
TOM1L2. 1	9. 27E-42	-0. 20681	0. 027	0. 138	1. 39E-37 M1	TOM1L2
OSMR. 2	9. 66E-42	-0. 17531	0. 007	0. 101	1. 44E-37 M1	OSMR
SMC6. 2	1. 01E-41	-0. 19401	0. 05	0. 178	1. 51E-37 M1	SMC6
ETV4. 3	1. 05E-41	-0. 20101	0. 003	0. 093	1. 56E-37 M1	ETV4
NOP16. 3	1. 05E-41	-0. 24993	0. 08	0. 223	1. 57E-37 M1	NOP16
NOL11. 2	1. 09E-41	-0. 20526	0. 072	0. 212	1. 63E-37 M1	NOL11
LMCD1. 2	1. 12E-41	-0. 20688	0. 007	0. 101	1. 67E-37 M1	LMCD1
BOLA1. 2	1. 12E-41	-0. 20438	0. 047	0. 172	1. 67E-37 M1	BOLA1
TMEM47. 2	1. 13E-41	-0. 19058	0. 004	0. 095	1. 69E-37 M1	TMEM47
UBQLN2. 4	1. 19E-41	-0. 17315	0. 094	0. 246	1. 77E-37 M1	UBQLN2
SH3GL1. 1	1. 20E-41	-0. 21646	0. 113	0. 277	1. 80E-37 M1	SH3GL1
TFAM. 1	1. 28E-41	-0. 16595	0. 066	0. 204	1. 91E-37 M1	TFAM
DNM1L. 2	1. 38E-41	-0. 15358	0. 1	0. 258	2. 06E-37 M1	DNM1L

EPHA3. 3	1. 39E-41	-0. 15263	0. 001	0. 088	2. 08E-37 M1	EPHA3
ZNF436. 2	1. 42E-41	-0. 16557	0. 003	0. 093	2. 12E-37 M1	ZNF436
ARHGAP26. 1	1. 50E-41	0. 404941	0. 167	0. 076	2. 25E-37 M1	ARHGAP26
DNAL4. 2	1. 53E-41	-0. 17792	0. 032	0. 147	2. 29E-37 M1	DNAL4
SORBS1. 2	1. 54E-41	-0. 16026	0. 011	0. 109	2. 30E-37 M1	SORBS1
TARS. 1	1. 70E-41	-0. 16417	0. 097	0. 253	2. 55E-37 M1	TARS
SPOCK1. 3	1. 82E-41	-0. 34198	0. 005	0. 096	2. 71E-37 M1	SPOCK1
ZNF814. 1	1. 93E-41	-0. 20045	0. 029	0. 141	2. 89E-37 M1	ZNF814
CADM3. 2	1. 94E-41	-0. 41506	0. 016	0. 117	2. 90E-37 M1	CADM3
NDUF4F4. 2	1. 99E-41	-0. 21879	0. 095	0. 247	2. 98E-37 M1	NDUF4F4
ADAM19. 3	2. 02E-41	-0. 20717	0. 004	0. 095	3. 01E-37 M1	ADAM19
VIPR2. 3	2. 09E-41	-0. 34209	0. 006	0. 098	3. 12E-37 M1	VIPR2
LDLR. 1	2. 38E-41	-0. 18902	0. 015	0. 116	3. 56E-37 M1	LDLR
TNFAIP2. 2	2. 39E-41	0. 344341	0. 145	0. 061	3. 57E-37 M1	TNFAIP2
GMCL1. 2	2. 47E-41	-0. 20546	0. 052	0. 18	3. 69E-37 M1	GMCL1
SH3PXD2B. 2	2. 64E-41	-0. 16586	0. 025	0. 135	3. 95E-37 M1	SH3PXD2B
HOXD11. 2	2. 66E-41	-0. 17401	0. 003	0. 091	3. 97E-37 M1	HOXD11
ADAMTS9. 2	2. 70E-41	-0. 19171	0. 003	0. 092	4. 04E-37 M1	ADAMTS9
AASS. 2	2. 71E-41	-0. 20373	0. 024	0. 133	4. 05E-37 M1	AASS
NAA35. 1	2. 80E-41	-0. 1819	0. 038	0. 157	4. 19E-37 M1	NAA35
TMED1. 3	2. 83E-41	-0. 24911	0. 145	0. 321	4. 24E-37 M1	TMED1
DOCK7	2. 86E-41	-0. 15986	0. 031	0. 145	4. 28E-37 M1	DOCK7
CACNA2D4. 3	3. 08E-41	0. 365547	0. 145	0. 059	4. 60E-37 M1	CACNA2D4
SNAPC2	3. 30E-41	-0. 17906	0. 082	0. 228	4. 93E-37 M1	SNAPC2
TANC1. 2	3. 31E-41	-0. 16798	0. 02	0. 126	4. 95E-37 M1	TANC1
TRAP1. 2	3. 36E-41	-0. 19019	0. 12	0. 286	5. 02E-37 M1	TRAP1
ZNF639. 3	3. 37E-41	-0. 17438	0. 038	0. 156	5. 04E-37 M1	ZNF639
STK25. 4	3. 38E-41	-0. 15479	0. 15	0. 333	5. 05E-37 M1	STK25
NKAIN4. 3	3. 39E-41	-0. 38866	0. 017	0. 118	5. 07E-37 M1	NKAIN4
RRAS2. 2	3. 41E-41	-0. 17581	0. 004	0. 093	5. 10E-37 M1	RRAS2
VTA1. 1	3. 46E-41	-0. 19427	0. 069	0. 207	5. 17E-37 M1	VTA1
ZNF48. 2	3. 62E-41	-0. 18356	0. 014	0. 113	5. 41E-37 M1	ZNF48
ANKRD28. 2	3. 72E-41	-0. 28362	0. 024	0. 131	5. 55E-37 M1	ANKRD28
FBLN1. 3	3. 74E-41	-0. 33009	0. 008	0. 101	5. 59E-37 M1	FBLN1
EIF4A3. 4	3. 89E-41	0. 396186	0. 492	0. 441	5. 82E-37 M1	EIF4A3
CCZ1B. 3	3. 93E-41	-0. 17285	0. 047	0. 172	5. 87E-37 M1	CCZ1B
NOP58. 2	4. 09E-41	-0. 2395	0. 148	0. 321	6. 12E-37 M1	NOP58
RBM15B. 3	4. 19E-41	-0. 15534	0. 06	0. 193	6. 27E-37 M1	RBM15B
CHD4. 3	4. 24E-41	-0. 20055	0. 168	0. 353	6. 34E-37 M1	CHD4
COQ4. 2	4. 28E-41	-0. 1738	0. 126	0. 296	6. 40E-37 M1	COQ4
NAPEPLD. 1	4. 31E-41	-0. 21424	0. 015	0. 116	6. 45E-37 M1	NAPEPLD
LSM14A. 1	4. 32E-41	-0. 2098	0. 211	0. 415	6. 46E-37 M1	LSM14A
C14orf132	5. 23E-41	-0. 30598	0. 011	0. 107	7. 82E-37 M1	C14orf132
SLBP. 3	5. 29E-41	-0. 21929	0. 161	0. 341	7. 90E-37 M1	SLBP
RDH5. 2	5. 90E-41	-0. 19872	0. 017	0. 12	8. 81E-37 M1	RDH5
SLC39A14. 6	1. 7E-41	-0. 26832	0. 013	0. 111	9. 22E-37 M1	SLC39A14
KLHL35. 3	6. 19E-41	-0. 37809	0. 013	0. 11	9. 25E-37 M1	KLHL35
ZNF579. 3	6. 40E-41	-0. 14777	0. 024	0. 132	9. 56E-37 M1	ZNF579
TSKU. 2	6. 81E-41	-0. 17839	0. 008	0. 101	1. 02E-36 M1	TSKU
SUCO. 1	6. 91E-41	-0. 16789	0. 049	0. 175	1. 03E-36 M1	SUCO
APOPT1. 2	7. 02E-41	-0. 21416	0. 21	0. 415	1. 05E-36 M1	APOPT1

LILRB2. 4	7. 07E-41	0. 316652	0. 115	0. 041	1. 06E-36	M1	LILRB2
EFNB3. 2	7. 32E-41	-0. 1938	0. 002	0. 088	1. 09E-36	M1	EFNB3
SLC35A5	7. 65E-41	-0. 18897	0. 071	0. 21	1. 14E-36	M1	SLC35A5
CERS4. 3	7. 96E-41	-0. 17851	0. 079	0. 223	1. 19E-36	M1	CERS4
ITGAE	8. 02E-41	-0. 19785	0. 198	0. 398	1. 20E-36	M1	ITGAE
SH3RF1. 2	8. 06E-41	-0. 18184	0. 02	0. 124	1. 20E-36	M1	SH3RF1
ASAP1. 2	8. 07E-41	-0. 19271	0. 1	0. 253	1. 21E-36	M1	ASAP1
ARL10. 1	8. 53E-41	-0. 17413	0. 01	0. 105	1. 27E-36	M1	ARL10
ZNF506. 2	8. 71E-41	-0. 15459	0. 029	0. 14	1. 30E-36	M1	ZNF506
RGS3. 2	8. 80E-41	-0. 20062	0. 02	0. 124	1. 31E-36	M1	RGS3
LRRFIP1. 4	8. 89E-41	0. 449425	0. 425	0. 339	1. 33E-36	M1	LRRFIP1
LMNB1. 3	8. 98E-41	-0. 25899	0. 048	0. 17	1. 34E-36	M1	LMNB1
CCT5. 1	9. 10E-41	-0. 25874	0. 297	0. 519	1. 36E-36	M1	CCT5
TIMP1. 3	9. 14E-41	-0. 54408	0. 507	0. 643	1. 37E-36	M1	TIMP1
LCMT1	9. 46E-41	-0. 18884	0. 124	0. 29	1. 41E-36	M1	LCMT1
FBX044. 2	9. 51E-41	-0. 22506	0. 042	0. 161	1. 42E-36	M1	FBX044
CASP10. 1	9. 97E-41	0. 230899	0. 069	0. 017	1. 49E-36	M1	CASP10
CENPH. 2	1. 01E-40	-0. 23522	0. 033	0. 145	1. 51E-36	M1	CENPH
ZNF644. 1	1. 01E-40	-0. 15892	0. 116	0. 28	1. 51E-36	M1	ZNF644
NEIL2. 3	1. 06E-40	-0. 17248	0. 079	0. 222	1. 58E-36	M1	NEIL2
PKD1. 2	1. 06E-40	-0. 19016	0. 027	0. 136	1. 58E-36	M1	PKD1
NGDN. 2	1. 08E-40	-0. 1827	0. 125	0. 291	1. 62E-36	M1	NGDN
CRK. 1	1. 10E-40	-0. 17124	0. 161	0. 348	1. 64E-36	M1	CRK
C11orf73.	1. 11E-40	-0. 22275	0. 241	0. 456	1. 66E-36	M1	C11orf73
TRMT13. 1	1. 13E-40	-0. 21414	0. 039	0. 156	1. 68E-36	M1	TRMT13
ZNF566. 2	1. 14E-40	-0. 22426	0. 025	0. 133	1. 71E-36	M1	ZNF566
FKBP1B. 1	1. 15E-40	-0. 17598	0. 03	0. 141	1. 71E-36	M1	FKBP1B
BBS2. 4	1. 17E-40	-0. 22781	0. 062	0. 194	1. 75E-36	M1	BBS2
CNPY1. 3	1. 21E-40	-0. 23966	0. 004	0. 092	1. 80E-36	M1	CNPY1
GNPDA2. 1	1. 21E-40	-0. 1914	0. 031	0. 143	1. 81E-36	M1	GNPDA2
TBC1D20. 2	1. 23E-40	-0. 16582	0. 068	0. 206	1. 84E-36	M1	TBC1D20
DLG5. 1	1. 24E-40	-0. 20532	0. 003	0. 091	1. 85E-36	M1	DLG5
BCL2. 3	1. 30E-40	0. 322914	0. 107	0. 037	1. 94E-36	M1	BCL2
CLASP2. 3	1. 32E-40	-0. 25808	0. 081	0. 22	1. 97E-36	M1	CLASP2
PTDSS2. 4	1. 33E-40	-0. 15238	0. 048	0. 173	1. 99E-36	M1	PTDSS2
DDA1	1. 42E-40	-0. 18809	0. 172	0. 36	2. 12E-36	M1	DDA1
KLHDC9. 2	1. 43E-40	-0. 22416	0. 002	0. 088	2. 13E-36	M1	KLHDC9
SMARCC1. 3	1. 46E-40	-0. 16539	0. 119	0. 282	2. 18E-36	M1	SMARCC1
SCARF1. 3	1. 48E-40	0. 232604	0. 07	0. 018	2. 20E-36	M1	SCARF1
TUBB4A. 4	1. 48E-40	-0. 45584	0. 029	0. 136	2. 21E-36	M1	TUBB4A
METTL1. 3	1. 50E-40	-0. 26804	0. 047	0. 167	2. 24E-36	M1	METTL1
EID2. 3	1. 53E-40	-0. 18604	0. 023	0. 129	2. 29E-36	M1	EID2
LINC00844	1. 56E-40	-0. 40855	0. 021	0. 123	2. 33E-36	M1	LINC00844
IGFLR1. 1	1. 56E-40	0. 323706	0. 117	0. 043	2. 33E-36	M1	IGFLR1
HSPA13. 3	1. 63E-40	-0. 19549	0. 082	0. 223	2. 44E-36	M1	HSPA13
TMEM222. 4	1. 64E-40	-0. 21629	0. 138	0. 308	2. 45E-36	M1	TMEM222
U2SURP. 1	1. 66E-40	-0. 17939	0. 202	0. 403	2. 48E-36	M1	U2SURP
DST. 3	1. 70E-40	-0. 23599	0. 218	0. 408	2. 54E-36	M1	DST
ACTR6. 1	1. 73E-40	-0. 20164	0. 105	0. 26	2. 58E-36	M1	ACTR6
ECI1. 2	1. 74E-40	-0. 16477	0. 088	0. 238	2. 60E-36	M1	ECI1
RNU12. 2	1. 75E-40	0. 304296	0. 089	0. 027	2. 61E-36	M1	RNU12

TTC14	1. 77E-40	-0. 13584	0. 127	0. 298	2. 65E-36 M1	TTC14
STAU1. 2	1. 80E-40	-0. 21304	0. 202	0. 399	2. 70E-36 M1	STAU1
UFSP2. 1	1. 83E-40	-0. 20917	0. 092	0. 241	2. 74E-36 M1	UFSP2
NUPL2. 1	1. 83E-40	-0. 15509	0. 128	0. 296	2. 74E-36 M1	NUPL2
HMCES. 1	1. 86E-40	-0. 19296	0. 06	0. 191	2. 77E-36 M1	HMCES
ENKUR. 2	1. 88E-40	-0. 26337	0. 001	0. 086	2. 80E-36 M1	ENKUR
NSFL1C. 1	1. 90E-40	-0. 20102	0. 229	0. 436	2. 84E-36 M1	NSFL1C
RUNDC1	2. 00E-40	-0. 17205	0. 038	0. 155	2. 99E-36 M1	RUNDC1
ZCCHC11. 1	2. 19E-40	-0. 17142	0. 107	0. 265	3. 27E-36 M1	ZCCHC11
AGRN. 2	2. 20E-40	-0. 18765	0. 013	0. 11	3. 29E-36 M1	AGRN
REX04. 1	2. 23E-40	-0. 17129	0. 074	0. 214	3. 33E-36 M1	REX04
GMIP. 4	2. 24E-40	0. 332925	0. 143	0. 06	3. 34E-36 M1	GMIP
RASSF8-AS	2. 26E-40	-0. 20105	0. 054	0. 181	3. 38E-36 M1	RASSF8-AS1
ARHGEF2. 3	2. 30E-40	-0. 23596	0. 148	0. 317	3. 44E-36 M1	ARHGEF2
GLG1. 4	2. 52E-40	-0. 16731	0. 126	0. 294	3. 77E-36 M1	GLG1
LMAN2L. 1	2. 55E-40	-0. 21238	0. 025	0. 131	3. 81E-36 M1	LMAN2L
SRSF12. 2	2. 60E-40	-0. 19846	0. 002	0. 087	3. 88E-36 M1	SRSF12
STRBP. 4	2. 60E-40	-0. 17257	0. 033	0. 145	3. 88E-36 M1	STRBP
IGSF10. 1	2. 64E-40	-0. 14943	0. 016	0. 116	3. 95E-36 M1	IGSF10
LY6H. 3	2. 76E-40	-0. 37765	0. 009	0. 101	4. 12E-36 M1	LY6H
C19orf48.	2. 94E-40	-0. 20703	0. 101	0. 253	4. 39E-36 M1	C19orf48
CRY1. 1	3. 06E-40	-0. 22371	0. 039	0. 156	4. 57E-36 M1	CRY1
KIAA0232.	3. 11E-40	-0. 17563	0. 049	0. 172	4. 65E-36 M1	KIAA0232
RIF1. 3	3. 22E-40	-0. 18211	0. 094	0. 245	4. 81E-36 M1	RIF1
CEBPZ. 2	3. 30E-40	-0. 20037	0. 132	0. 299	4. 93E-36 M1	CEBPZ
FAM171A1.	3. 42E-40	-0. 20606	0. 004	0. 091	5. 10E-36 M1	FAM171A1
SEC61A1. 2	3. 43E-40	-0. 17518	0. 2	0. 398	5. 13E-36 M1	SEC61A1
CIB2. 2	3. 45E-40	-0. 15169	0. 004	0. 092	5. 15E-36 M1	CIB2
GBGT1. 4	3. 51E-40	0. 265474	0. 109	0. 038	5. 24E-36 M1	GBGT1
PFKP	3. 53E-40	-0. 23057	0. 049	0. 172	5. 27E-36 M1	PFKP
LSM12. 2	3. 75E-40	-0. 17874	0. 122	0. 287	5. 60E-36 M1	LSM12
SPN. 4	3. 86E-40	0. 311275	0. 117	0. 043	5. 77E-36 M1	SPN
LSS. 3	4. 01E-40	-0. 22492	0. 016	0. 115	5. 99E-36 M1	LSS
USP5	4. 13E-40	-0. 20478	0. 099	0. 25	6. 17E-36 M1	USP5
SYNE1. 1	4. 24E-40	-0. 23187	0. 031	0. 141	6. 33E-36 M1	SYNE1
MIR4458HG	4. 27E-40	-0. 3709	0. 058	0. 181	6. 38E-36 M1	MIR4458HG
ALDH6A1. 2	4. 37E-40	-0. 19858	0. 086	0. 231	6. 53E-36 M1	ALDH6A1
DLC1. 2	4. 66E-40	-0. 21685	0. 009	0. 102	6. 96E-36 M1	DLC1
SELT. 1	4. 75E-40	0. 214619	0. 67	0. 657	7. 09E-36 M1	SELT
GLO1. 2	4. 79E-40	-0. 23065	0. 237	0. 445	7. 15E-36 M1	GLO1
TLR4. 3	4. 79E-40	0. 308159	0. 094	0. 03	7. 15E-36 M1	TLR4
CNR1. 2	4. 83E-40	-0. 18356	0. 002	0. 088	7. 21E-36 M1	CNR1
SAMD4B. 1	5. 32E-40	-0. 15836	0. 096	0. 248	7. 95E-36 M1	SAMD4B
PIN1. 2	5. 81E-40	-0. 25131	0. 358	0. 573	8. 69E-36 M1	PIN1
POR. 1	5. 82E-40	-0. 21319	0. 128	0. 293	8. 69E-36 M1	POR
RAB5C. 2	6. 06E-40	0. 191706	0. 664	0. 651	9. 06E-36 M1	RAB5C
LARP1. 2	6. 10E-40	-0. 18307	0. 118	0. 279	9. 11E-36 M1	LARP1
RP11-156K	6. 24E-40	0. 237877	0. 056	0. 011	9. 33E-36 M1	RP11-156K13. 3
FAM20C. 4	6. 33E-40	-0. 23872	0. 099	0. 248	9. 46E-36 M1	FAM20C
ZNF24. 2	6. 41E-40	-0. 17136	0. 151	0. 33	9. 57E-36 M1	ZNF24
C19orf12.	6. 58E-40	-0. 18489	0. 043	0. 162	9. 83E-36 M1	C19orf12

FAM53C. 3	6. 68E-40	0. 479187	0. 326	0. 225	9. 98E-36	M1	FAM53C
MGARP. 1	6. 79E-40	-0. 15505	0. 006	0. 095	1. 01E-35	M1	MGARP
SUCLG1. 2	6. 88E-40	-0. 20992	0. 255	0. 473	1. 03E-35	M1	SUCLG1
CASS4. 1	6. 91E-40	0. 205052	0. 049	0. 009	1. 03E-35	M1	CASS4
SRRM3. 3	6. 94E-40	-0. 29453	0. 002	0. 086	1. 04E-35	M1	SRRM3
FAM168B. 3	6. 99E-40	-0. 1656	0. 057	0. 184	1. 05E-35	M1	FAM168B
GTF3C5. 2	7. 17E-40	-0. 17707	0. 072	0. 209	1. 07E-35	M1	GTF3C5
SGTA. 2	7. 31E-40	-0. 186	0. 163	0. 346	1. 09E-35	M1	SGTA
SLC29A4. 1	7. 50E-40	-0. 21392	0. 007	0. 097	1. 12E-35	M1	SLC29A4
SUZ12. 3	7. 66E-40	-0. 15549	0. 077	0. 218	1. 14E-35	M1	SUZ12
SLC25A38. 7	7. 95E-40	-0. 22228	0. 046	0. 166	1. 19E-35	M1	SLC25A38
CCR5. 2	8. 00E-40	0. 212713	0. 068	0. 017	1. 20E-35	M1	CCR5
CAND1. 1	8. 14E-40	-0. 17321	0. 106	0. 261	1. 22E-35	M1	CAND1
CCDC112. 3	8. 16E-40	-0. 18663	0. 125	0. 288	1. 22E-35	M1	CCDC112
CEP70. 2	8. 32E-40	-0. 2236	0. 016	0. 114	1. 24E-35	M1	CEP70
SOD1. 3	8. 35E-40	-0. 31974	0. 605	0. 787	1. 25E-35	M1	SOD1
AARS. 2	8. 45E-40	-0. 22626	0. 104	0. 256	1. 26E-35	M1	AARS
B4GALT2. 1	9. 02E-40	-0. 18176	0. 004	0. 091	1. 35E-35	M1	B4GALT2
C1orf109. 9	9. 24E-40	-0. 17459	0. 037	0. 151	1. 38E-35	M1	C1orf109
TPD52. 3	9. 35E-40	-0. 26082	0. 109	0. 262	1. 40E-35	M1	TPD52
ADNP. 3	9. 35E-40	-0. 16058	0. 076	0. 216	1. 40E-35	M1	ADNP
DYNC1H1. 3	9. 61E-40	-0. 20564	0. 181	0. 369	1. 44E-35	M1	DYNC1H1
CTCF. 2	1. 01E-39	-0. 17431	0. 057	0. 185	1. 51E-35	M1	CTCF
SECISBP2L. 1	1. 02E-39	-0. 20845	0. 065	0. 196	1. 52E-35	M1	SECISBP2L
LMO3. 1	1. 04E-39	-0. 33219	0. 008	0. 098	1. 56E-35	M1	LMO3
EHD2. 2	1. 20E-39	-0. 16821	0. 007	0. 096	1. 80E-35	M1	EHD2
PLXNA4. 3	1. 23E-39	-0. 2428	0. 004	0. 091	1. 83E-35	M1	PLXNA4
RP11-796E. 1	1. 23E-39	0. 435837	0. 13	0. 052	1. 84E-35	M1	RP11-796E2. 4
RRP1. 3	1. 23E-39	-0. 17627	0. 089	0. 234	1. 84E-35	M1	RRP1
NUMBL. 2	1. 26E-39	-0. 17495	0. 011	0. 105	1. 88E-35	M1	NUMBL
FPR3. 4	1. 29E-39	0. 26233	0. 118	0. 044	1. 93E-35	M1	FPR3
CCDC66. 3	1. 34E-39	-0. 14217	0. 101	0. 255	2. 00E-35	M1	CCDC66
COPS5. 1	1. 38E-39	-0. 20571	0. 236	0. 445	2. 07E-35	M1	COPS5
ERP44. 2	1. 52E-39	0. 368918	0. 467	0. 381	2. 28E-35	M1	ERP44
PPP1R14A. 1	1. 55E-39	-0. 54339	0. 023	0. 124	2. 32E-35	M1	PPP1R14A
NONO. 3	1. 59E-39	-0. 24953	0. 278	0. 491	2. 37E-35	M1	NONO
ALDOC. 3	1. 70E-39	-0. 41537	0. 056	0. 175	2. 54E-35	M1	ALDOC
CRISPLD1. 1	1. 74E-39	-0. 22097	0. 012	0. 105	2. 61E-35	M1	CRISPLD1
MDH2. 1	1. 81E-39	-0. 26673	0. 477	0. 697	2. 70E-35	M1	MDH2
EXOC7. 3	1. 85E-39	-0. 15401	0. 19	0. 385	2. 76E-35	M1	EXOC7
FEN1. 2	1. 93E-39	-0. 25438	0. 041	0. 155	2. 88E-35	M1	FEN1
MRGBP. 2	1. 95E-39	-0. 13028	0. 046	0. 167	2. 91E-35	M1	MRGBP
TADA3. 1	1. 95E-39	-0. 21078	0. 221	0. 424	2. 92E-35	M1	TADA3
ANKMY2. 1	2. 18E-39	-0. 25329	0. 029	0. 136	3. 26E-35	M1	ANKMY2
ATP6V1D. 1	2. 21E-39	-0. 20565	0. 206	0. 403	3. 31E-35	M1	ATP6V1D
CCDC90B. 3	2. 28E-39	-0. 19857	0. 235	0. 444	3. 40E-35	M1	CCDC90B
PIN4. 3	2. 29E-39	-0. 23917	0. 245	0. 453	3. 43E-35	M1	PIN4
PRTFDC1. 1	2. 31E-39	-0. 22443	0. 04	0. 154	3. 45E-35	M1	PRTFDC1
MFSD7. 3	2. 44E-39	0. 236198	0. 078	0. 022	3. 64E-35	M1	MFSD7
RNASEH2A. 2	2. 56E-39	-0. 24071	0. 092	0. 235	3. 83E-35	M1	RNASEH2A
CDKN3. 3	2. 66E-39	-0. 30669	0. 013	0. 107	3. 98E-35	M1	CDKN3



IRF2BP1.3	2.68E-39	-0.14489	0.021	0.123	4.01E-35	M1	IRF2BP1
MDGA1.2	2.76E-39	-0.14511	0.001	0.084	4.12E-35	M1	MDGA1
ARFRP1.1	2.96E-39	-0.16785	0.115	0.274	4.42E-35	M1	ARFRP1
POLDIP2.4	3.01E-39	-0.20597	0.191	0.378	4.50E-35	M1	POLDIP2
UNG.1	3.13E-39	-0.24785	0.032	0.14	4.68E-35	M1	UNG
GRB10.3	3.21E-39	-0.21779	0.003	0.087	4.80E-35	M1	GRB10
GRK4.2	3.24E-39	-0.19387	0.016	0.114	4.84E-35	M1	GRK4
PPP1R37.2	3.39E-39	-0.17089	0.039	0.153	5.06E-35	M1	PPP1R37
PPP4R2.1	3.55E-39	-0.15124	0.124	0.289	5.30E-35	M1	PPP4R2
TUBGCP4.2	3.58E-39	-0.14808	0.032	0.141	5.35E-35	M1	TUBGCP4
C20orf96.3	3.62E-39	-0.15285	0.049	0.171	5.40E-35	M1	C20orf96
NACAD.3	3.65E-39	-0.25584	0.012	0.105	5.45E-35	M1	NACAD
REXO2.4	3.78E-39	-0.33598	0.174	0.348	5.64E-35	M1	REXO2
LRRC40.1	3.83E-39	-0.20996	0.045	0.162	5.73E-35	M1	LRRC40
SNTB2.1	4.01E-39	-0.16159	0.015	0.111	5.99E-35	M1	SNTB2
MAML2.3	4.08E-39	-0.16479	0.08	0.221	6.10E-35	M1	MAML2
AC007405.4	4.16E-39	-0.18319	0	0.081	6.21E-35	M1	AC007405.6
EAPP.3	4.30E-39	-0.23841	0.197	0.386	6.43E-35	M1	EAPP
PFDN6.3	4.40E-39	-0.23007	0.194	0.384	6.57E-35	M1	PFDN6
WDR82.3	4.43E-39	-0.1716	0.121	0.281	6.62E-35	M1	WDR82
ZFP82.2	4.53E-39	-0.18696	0.023	0.126	6.77E-35	M1	ZFP82
FAM217B.4	4.67E-39	-0.16245	0.052	0.176	6.97E-35	M1	FAM217B
SLC35B4.2	4.92E-39	-0.18609	0.077	0.214	7.36E-35	M1	SLC35B4
LDOC1.3	4.98E-39	-0.32823	0.011	0.103	7.44E-35	M1	LDOC1
FUNDC1.3	5.15E-39	-0.23253	0.116	0.272	7.70E-35	M1	FUNDC1
DMTF1.2	5.32E-39	-0.16257	0.048	0.168	7.95E-35	M1	DMTF1
FAIM.2	5.55E-39	-0.2115	0.047	0.166	8.29E-35	M1	FAIM
OGFOD1.1	5.55E-39	-0.18112	0.049	0.17	8.29E-35	M1	OGFOD1
ZC3HC1.2	5.71E-39	-0.1985	0.033	0.143	8.53E-35	M1	ZC3HC1
ZC3H12A.3	5.84E-39	0.32064	0.145	0.062	8.72E-35	M1	ZC3H12A
PRRC2B.4	6.03E-39	-0.18106	0.108	0.262	9.01E-35	M1	PRRC2B
OGG1	6.06E-39	-0.16054	0.049	0.17	9.05E-35	M1	OGG1
GNPAT.3	6.17E-39	-0.13413	0.109	0.266	9.23E-35	M1	GNPAT
ZSCAN21.2	6.20E-39	-0.21204	0.019	0.118	9.26E-35	M1	ZSCAN21
REV3L.1	6.26E-39	-0.1886	0.09	0.233	9.36E-35	M1	REV3L
ADPRHL2.3	6.29E-39	-0.16288	0.125	0.289	9.40E-35	M1	ADPRHL2
CDH6.2	6.47E-39	-0.17079	0.001	0.082	9.67E-35	M1	CDH6
HMBS.1	6.70E-39	-0.14489	0.08	0.22	1.00E-34	M1	HMBS
ACTL6A.2	6.95E-39	-0.20817	0.124	0.284	1.04E-34	M1	ACTL6A
NUP160.2	7.04E-39	-0.18377	0.058	0.183	1.05E-34	M1	NUP160
RGN.3	7.04E-39	-0.26253	0.003	0.086	1.05E-34	M1	RGN
FKBP3.2	7.17E-39	-0.27715	0.298	0.513	1.07E-34	M1	FKBP3
ACD.2	7.22E-39	-0.20048	0.062	0.189	1.08E-34	M1	ACD
SUPT20H.2	7.31E-39	-0.15998	0.087	0.231	1.09E-34	M1	SUPT20H
BOK.4	7.42E-39	-0.22629	0.005	0.09	1.11E-34	M1	BOK
TMEM53.2	7.71E-39	-0.19165	0.021	0.122	1.15E-34	M1	TMEM53
PAAF1.2	7.94E-39	-0.18195	0.083	0.222	1.19E-34	M1	PAAF1
PRKAR1B.2	8.17E-39	-0.24153	0.036	0.146	1.22E-34	M1	PRKAR1B
CLSTN1.2	8.39E-39	-0.18911	0.142	0.311	1.25E-34	M1	CLSTN1
PDCD7.1	8.52E-39	-0.16541	0.096	0.246	1.27E-34	M1	PDCD7
LRRC17.2	8.58E-39	-0.24098	0.004	0.088	1.28E-34	M1	LRRC17

GIN52. 2	8. 78E-39	-0. 2495	0. 018	0. 116	1. 31E-34 M1	GIN52
DDX23. 2	9. 46E-39	-0. 18461	0. 056	0. 18	1. 41E-34 M1	DDX23
CEP290. 2	9. 58E-39	-0. 17739	0. 055	0. 178	1. 43E-34 M1	CEP290
EIF2B1	9. 93E-39	-0. 18633	0. 142	0. 311	1. 48E-34 M1	EIF2B1
RYR1. 1	9. 95E-39	0. 213605	0. 049	0. 009	1. 49E-34 M1	RYR1
PTGFRN. 1	1. 03E-38	-0. 17648	0. 02	0. 12	1. 54E-34 M1	PTGFRN
CHRN1. 3	1. 04E-38	-0. 21296	0. 049	0. 169	1. 56E-34 M1	CHRN1
TMEM67. 2	1. 08E-38	-0. 17245	0. 015	0. 111	1. 61E-34 M1	TMEM67
CCDC136. 2	1. 08E-38	-0. 23912	0. 013	0. 106	1. 62E-34 M1	CCDC136
POMGNT1. 3	1. 09E-38	-0. 14741	0. 121	0. 285	1. 62E-34 M1	POMGNT1
ZNF880	1. 10E-38	-0. 18858	0. 046	0. 165	1. 65E-34 M1	ZNF880
ARHGAP25. 1	1. 10E-38	0. 327543	0. 13	0. 053	1. 65E-34 M1	ARHGAP25
LAMTOR5. 2	1. 11E-38	-0. 30169	0. 521	0. 726	1. 65E-34 M1	LAMTOR5
SLC35G2. 4	1. 11E-38	-0. 20123	0. 029	0. 135	1. 66E-34 M1	SLC35G2
BHLHE40. 3	1. 13E-38	0. 425809	0. 279	0. 176	1. 68E-34 M1	BHLHE40
MPP6. 2	1. 17E-38	-0. 1768	0. 003	0. 087	1. 74E-34 M1	MPP6
PHLPP1. 4	1. 22E-38	-0. 247	0. 01	0. 1	1. 82E-34 M1	PHLPP1
MAML1. 4	1. 22E-38	0. 42712	0. 195	0. 102	1. 82E-34 M1	MAML1
HOXA10. 4	1. 23E-38	-0. 28341	0. 006	0. 091	1. 83E-34 M1	HOXA10
PMPCA. 2	1. 23E-38	-0. 17562	0. 116	0. 272	1. 84E-34 M1	PMPCA
DHRS13. 2	1. 24E-38	-0. 15303	0. 017	0. 114	1. 85E-34 M1	DHRS13
DNAAF2. 3	1. 24E-38	-0. 17477	0. 065	0. 194	1. 85E-34 M1	DNAAF2
ZNF426. 1	1. 24E-38	-0. 19253	0. 026	0. 13	1. 86E-34 M1	ZNF426
ALKBH5. 3	1. 27E-38	-0. 19753	0. 174	0. 353	1. 89E-34 M1	ALKBH5
SLC25A36. 1	1. 28E-38	-0. 17477	0. 132	0. 297	1. 91E-34 M1	SLC25A36
GNAO1. 2	1. 28E-38	-0. 30826	0. 013	0. 106	1. 91E-34 M1	GNAO1
DNMT1. 3	1. 29E-38	-0. 18737	0. 146	0. 314	1. 93E-34 M1	DNMT1
TUBG2. 3	1. 30E-38	-0. 19798	0. 024	0. 127	1. 94E-34 M1	TUBG2
CEP89. 2	1. 30E-38	-0. 19256	0. 037	0. 149	1. 94E-34 M1	CEP89
NACC2. 2	1. 36E-38	-0. 16816	0. 02	0. 119	2. 03E-34 M1	NACC2
CTDSP1. 4	1. 41E-38	0. 511761	0. 302	0. 205	2. 11E-34 M1	CTDSP1
THYN1. 3	1. 42E-38	-0. 23859	0. 237	0. 44	2. 13E-34 M1	THYN1
FAM134A. 4	1. 53E-38	-0. 16918	0. 152	0. 327	2. 29E-34 M1	FAM134A
GORASP2. 2	1. 56E-38	-0. 15463	0. 149	0. 321	2. 33E-34 M1	GORASP2
STX2. 3	1. 58E-38	-0. 16146	0. 023	0. 125	2. 36E-34 M1	STX2
PRKCI	1. 60E-38	-0. 18328	0. 02	0. 12	2. 39E-34 M1	PRKCI
SBK1. 4	1. 64E-38	-0. 24459	0. 003	0. 085	2. 45E-34 M1	SBK1
KPNB1. 3	1. 75E-38	-0. 24005	0. 273	0. 483	2. 62E-34 M1	KPNB1
FAM98A. 2	1. 77E-38	-0. 20899	0. 045	0. 161	2. 65E-34 M1	FAM98A
RP11-262H	1. 78E-38	-0. 16127	0. 03	0. 136	2. 67E-34 M1	RP11-262H14. 4
AASDH. 2	1. 85E-38	-0. 2055	0. 06	0. 185	2. 77E-34 M1	AASDH
C16orf13. 1	1. 86E-38	-0. 22764	0. 282	0. 496	2. 77E-34 M1	C16orf13
PDS5B. 2	1. 91E-38	-0. 16992	0. 061	0. 189	2. 86E-34 M1	PDS5B
SMG6	1. 97E-38	-0. 14274	0. 032	0. 141	2. 95E-34 M1	SMG6
PWWP2A. 1	2. 01E-38	-0. 19022	0. 035	0. 145	3. 01E-34 M1	PWWP2A
RP11-108M	2. 09E-38	0. 399289	0. 178	0. 087	3. 12E-34 M1	RP11-108M9. 4
FXYD7. 3	2. 09E-38	-0. 35168	0. 006	0. 092	3. 13E-34 M1	FXYD7
IPO5. 2	2. 14E-38	-0. 16562	0. 094	0. 24	3. 20E-34 M1	IPO5
TXLNA. 2	2. 16E-38	-0. 17021	0. 043	0. 159	3. 22E-34 M1	TXLNA
HMOX2. 2	2. 30E-38	-0. 23769	0. 153	0. 323	3. 43E-34 M1	HMOX2
TMEM131. 3	2. 30E-38	-0. 14021	0. 047	0. 166	3. 44E-34 M1	TMEM131

ZNF830.2	2.36E-38	-0.16898	0.077	0.214	3.52E-34	M1	ZNF830
TMIGD2.1	2.37E-38	0.229304	0.057	0.012	3.55E-34	M1	TMIGD2
FAM222B.3	2.38E-38	-0.14638	0.026	0.131	3.55E-34	M1	FAM222B
SYNM.2	2.48E-38	-0.15956	0.003	0.085	3.70E-34	M1	SYNM
ANAPC15.2	2.51E-38	-0.19042	0.127	0.288	3.75E-34	M1	ANAPC15
TENM1.2	2.56E-38	-0.18472	0.003	0.085	3.83E-34	M1	TENM1
GLDC.2	2.65E-38	-0.18629	0.001	0.082	3.95E-34	M1	GLDC
ACYP2.3	2.74E-38	-0.25012	0.167	0.341	4.10E-34	M1	ACYP2
PHACTR3.3	2.85E-38	-0.28822	0.006	0.092	4.26E-34	M1	PHACTR3
FUZ.1	3.03E-38	-0.18618	0.058	0.182	4.53E-34	M1	FUZ
FAM131B.2	3.06E-38	-0.21163	0.005	0.09	4.58E-34	M1	FAM131B
RNF11.3	3.11E-38	-0.17094	0.16	0.337	4.64E-34	M1	RNF11
RAD23B.1	3.11E-38	-0.21943	0.214	0.413	4.65E-34	M1	RAD23B
RAB33A.2	3.14E-38	-0.33375	0.023	0.123	4.69E-34	M1	RAB33A
PRRC2A.3	3.39E-38	-0.14694	0.113	0.269	5.07E-34	M1	PRRC2A
N6AMT2.2	3.56E-38	-0.22138	0.039	0.151	5.32E-34	M1	N6AMT2
ANKRD35.1	3.57E-38	-0.18917	0.042	0.156	5.34E-34	M1	ANKRD35
FTSJ2.2	3.61E-38	-0.18208	0.11	0.262	5.40E-34	M1	FTSJ2
TRMT61B.2	3.62E-38	-0.19841	0.06	0.184	5.41E-34	M1	TRMT61B
DZIP3.2	3.72E-38	-0.20013	0.038	0.149	5.57E-34	M1	DZIP3
FADD.2	3.76E-38	-0.1738	0.041	0.155	5.62E-34	M1	FADD
VRK3.3	3.77E-38	-0.15557	0.096	0.243	5.63E-34	M1	VRK3
MED16.3	3.78E-38	-0.13837	0.056	0.18	5.65E-34	M1	MED16
MTHFD1.1	3.83E-38	-0.19552	0.075	0.21	5.72E-34	M1	MTHFD1
ABCA5.1	3.83E-38	-0.19319	0.011	0.102	5.72E-34	M1	ABCA5
ZBTB8A.3	3.86E-38	-0.19905	0.021	0.12	5.77E-34	M1	ZBTB8A
E2F6.2	3.91E-38	-0.12379	0.046	0.164	5.85E-34	M1	E2F6
SPNS1.3	4.10E-38	-0.1555	0.146	0.319	6.13E-34	M1	SPNS1
EFTUD2.2	4.12E-38	-0.18753	0.095	0.239	6.16E-34	M1	EFTUD2
KATNAL1.1	4.20E-38	-0.18871	0.008	0.096	6.28E-34	M1	KATNAL1
FUBP3.2	4.20E-38	-0.16037	0.111	0.266	6.28E-34	M1	FUBP3
ILF3-AS1.4	4.24E-38	-0.17098	0.162	0.339	6.34E-34	M1	ILF3-AS1
KCMF1.2	4.49E-38	-0.13469	0.077	0.214	6.71E-34	M1	KCMF1
DENND5B.3	4.49E-38	-0.16237	0.016	0.112	6.72E-34	M1	DENND5B
MRT04	4.77E-38	-0.18417	0.116	0.272	7.13E-34	M1	MRT04
XRR1.2	4.82E-38	-0.16453	0.037	0.148	7.20E-34	M1	XRR1
LAMA4.2	5.20E-38	-0.2045	0.003	0.085	7.77E-34	M1	LAMA4
PPFIA3.2	5.45E-38	-0.16034	0.013	0.105	8.15E-34	M1	PPFIA3
GNG3.2	5.57E-38	-0.32817	0.004	0.087	8.32E-34	M1	GNG3
ACSBG1.1	5.66E-38	-0.17785	0.004	0.088	8.46E-34	M1	ACSBG1
ATP6AP2.2	5.71E-38	0.207044	0.669	0.654	8.53E-34	M1	ATP6AP2
STIP1.1	5.79E-38	-0.18413	0.209	0.404	8.65E-34	M1	STIP1
HPS1.3	5.93E-38	0.354372	0.19	0.095	8.86E-34	M1	HPS1
NUCKS1.2	5.94E-38	-0.2679	0.472	0.669	8.88E-34	M1	NUCKS1
CENPF.4	5.95E-38	-0.34937	0.021	0.117	8.90E-34	M1	CENPF
POU2F1.3	5.98E-38	-0.2046	0.058	0.181	8.94E-34	M1	POU2F1
C1orf198.6	6.28E-38	-0.27701	0.022	0.121	9.38E-34	M1	C1orf198
ANKRD17.3	6.29E-38	-0.14068	0.095	0.242	9.41E-34	M1	ANKRD17
BEST3.3	6.31E-38	-0.34565	0.012	0.102	9.42E-34	M1	BEST3
ZNF181.2	6.62E-38	-0.19971	0.017	0.113	9.90E-34	M1	ZNF181
KLHDC2.3	6.90E-38	-0.19025	0.157	0.331	1.03E-33	M1	KLHDC2

POLDIP3. 3	7. 33E-38	-0. 17724	0. 074	0. 208	1. 10E-33 M1	POLDIP3
DDX56. 2	7. 74E-38	-0. 18593	0. 125	0. 283	1. 16E-33 M1	DDX56
SSX2IP. 1	7. 84E-38	-0. 12756	0. 017	0. 112	1. 17E-33 M1	SSX2IP
CELSR2. 3	7. 89E-38	-0. 18718	0. 015	0. 108	1. 18E-33 M1	CELSR2
HOXA2. 3	7. 91E-38	-0. 27417	0. 004	0. 086	1. 18E-33 M1	HOXA2
PDE6D. 2	8. 02E-38	-0. 17415	0. 077	0. 211	1. 20E-33 M1	PDE6D
PBK. 4	8. 12E-38	-0. 32333	0. 004	0. 087	1. 21E-33 M1	PBK
NOL8. 1	8. 17E-38	-0. 17449	0. 074	0. 207	1. 22E-33 M1	NOL8
TRMT1. 3	8. 41E-38	0. 493856	0. 336	0. 241	1. 26E-33 M1	TRMT1
URGCP. 1	8. 58E-38	-0. 18213	0. 029	0. 133	1. 28E-33 M1	URGCP
SMARCB1. 3	8. 73E-38	-0. 20939	0. 246	0. 448	1. 31E-33 M1	SMARCB1
MIEF1	8. 93E-38	-0. 16964	0. 048	0. 165	1. 33E-33 M1	MIEF1
KAZN. 2	9. 23E-38	-0. 19892	0. 003	0. 085	1. 38E-33 M1	KAZN
MIR21OHG. 9.	38E-38	-0. 20376	0. 014	0. 107	1. 40E-33 M1	MIR21OHG
TMEM55A. 3	9. 43E-38	-0. 19123	0. 108	0. 258	1. 41E-33 M1	TMEM55A
ZMYND11. 4	9. 64E-38	-0. 14012	0. 048	0. 166	1. 44E-33 M1	ZMYND11
TTC19. 2	1. 03E-37	-0. 14703	0. 195	0. 388	1. 54E-33 M1	TTC19
PCNA. 2	1. 08E-37	-0. 23304	0. 17	0. 344	1. 61E-33 M1	PCNA
NCOR1. 3	1. 12E-37	-0. 22363	0. 291	0. 499	1. 67E-33 M1	NCOR1
FEM1C. 1	1. 13E-37	-0. 14775	0. 044	0. 159	1. 69E-33 M1	FEM1C
TNRC6A	1. 15E-37	-0. 17095	0. 094	0. 239	1. 72E-33 M1	TNRC6A
PNN. 3	1. 27E-37	-0. 21882	0. 235	0. 435	1. 90E-33 M1	PNN
RORA. 1	1. 27E-37	-0. 2499	0. 005	0. 089	1. 90E-33 M1	RORA
ABCF1. 3	1. 28E-37	-0. 12774	0. 143	0. 312	1. 91E-33 M1	ABCF1
HRSP12. 4	1. 29E-37	-0. 24463	0. 085	0. 221	1. 93E-33 M1	HRSP12
SPECC1. 4	1. 35E-37	-0. 17978	0. 154	0. 324	2. 02E-33 M1	SPECC1
IGSF21. 4	1. 41E-37	0. 391085	0. 252	0. 146	2. 11E-33 M1	IGSF21
UBE2T. 4	1. 42E-37	-0. 28905	0. 037	0. 145	2. 12E-33 M1	UBE2T
MKRN1. 3	1. 46E-37	-0. 22072	0. 246	0. 441	2. 18E-33 M1	MKRN1
METAP2. 2	1. 52E-37	-0. 23668	0. 288	0. 507	2. 28E-33 M1	METAP2
PDCD4. 4	1. 54E-37	0. 392835	0. 232	0. 132	2. 30E-33 M1	PDCD4
MARK1. 1	1. 56E-37	-0. 15808	0. 001	0. 08	2. 33E-33 M1	MARK1
PTPRD. 3	1. 57E-37	-0. 28492	0. 004	0. 086	2. 34E-33 M1	PTPRD
PIAS4. 1	1. 62E-37	-0. 15987	0. 039	0. 15	2. 42E-33 M1	PIAS4
CDH26. 1	1. 68E-37	0. 191336	0. 038	0. 005	2. 51E-33 M1	CDH26
GPR161. 4	1. 72E-37	-0. 17054	0. 01	0. 098	2. 56E-33 M1	GPR161
SYDE1. 1	1. 73E-37	-0. 14732	0. 003	0. 084	2. 59E-33 M1	SYDE1
GPR37. 1	1. 75E-37	-0. 35374	0. 004	0. 086	2. 61E-33 M1	GPR37
ASB8. 1	1. 77E-37	-0. 15458	0. 097	0. 242	2. 64E-33 M1	ASB8
SLC17A9. 3	1. 82E-37	0. 23032	0. 074	0. 021	2. 71E-33 M1	SLC17A9
PPP2R5E. 3	1. 83E-37	-0. 15907	0. 118	0. 273	2. 74E-33 M1	PPP2R5E
Clorf216. 1.	92E-37	-0. 1814	0. 037	0. 146	2. 86E-33 M1	Clorf216
SIRT6. 1	1. 94E-37	-0. 15933	0. 08	0. 218	2. 89E-33 M1	SIRT6
IWS1. 1	2. 01E-37	-0. 14858	0. 093	0. 237	3. 01E-33 M1	IWS1
TEX30. 1	2. 12E-37	-0. 17064	0. 061	0. 186	3. 17E-33 M1	TEX30
TUBB6. 2	2. 19E-37	-0. 25729	0. 076	0. 206	3. 27E-33 M1	TUBB6
HOMER1. 3	2. 24E-37	-0. 14824	0. 055	0. 177	3. 34E-33 M1	HOMER1
ABCA8. 2	2. 35E-37	-0. 31879	0. 005	0. 088	3. 52E-33 M1	ABCA8
SCRN3. 2	2. 48E-37	-0. 19129	0. 02	0. 117	3. 71E-33 M1	SCRN3
UBTD2. 1	2. 54E-37	-0. 17003	0. 023	0. 122	3. 79E-33 M1	UBTD2
PDLIM1. 2	2. 61E-37	-0. 19465	0. 005	0. 087	3. 90E-33 M1	PDLIM1

ZRANB2	2.63E-37	-0.15791	0.176	0.36	3.93E-33	M1	ZRANB2
RANBP2.4	2.73E-37	0.484686	0.287	0.193	4.08E-33	M1	RANBP2
SLC29A3.2	2.82E-37	0.312243	0.097	0.033	4.22E-33	M1	SLC29A3
EXOSC8.3	2.83E-37	-0.20024	0.15	0.317	4.23E-33	M1	EXOSC8
HVCN1.4	2.90E-37	0.401174	0.169	0.082	4.34E-33	M1	HVCN1
TNFRSF1A.2	2.94E-37	0.346874	0.441	0.358	4.39E-33	M1	TNFRSF1A
ID1.2	2.95E-37	-0.25401	0.033	0.138	4.41E-33	M1	ID1
DCHS1.3	3.04E-37	-0.17404	0.011	0.099	4.54E-33	M1	DCHS1
PLRG1.2	3.19E-37	-0.15899	0.112	0.263	4.76E-33	M1	PLRG1
IL12RB1.3	3.19E-37	0.238287	0.076	0.022	4.77E-33	M1	IL12RB1
ELP6.2	3.21E-37	-0.17717	0.096	0.239	4.80E-33	M1	ELP6
CNIH4.2	3.25E-37	-0.22145	0.213	0.406	4.86E-33	M1	CNIH4
UGDH.2	3.27E-37	-0.22968	0.058	0.178	4.88E-33	M1	UGDH
MAP6D1.3	3.37E-37	-0.22119	0.01	0.097	5.03E-33	M1	MAP6D1
SPTSSA.3	3.37E-37	-0.28728	0.26	0.462	5.03E-33	M1	SPTSSA
SLC25A1.3	3.48E-37	-0.1478	0.08	0.217	5.20E-33	M1	SLC25A1
DPY19L1.2	3.50E-37	-0.17427	0.022	0.121	5.23E-33	M1	DPY19L1
ZC3H14.3	3.57E-37	-0.1535	0.087	0.226	5.33E-33	M1	ZC3H14
CNRIP1.2	3.57E-37	-0.1798	0.09	0.227	5.33E-33	M1	CNRIP1
TMTC3	3.60E-37	-0.15325	0.014	0.105	5.37E-33	M1	TMTC3
COBL.2	3.61E-37	-0.22973	0.002	0.081	5.40E-33	M1	COBL
RDH10.3	3.63E-37	-0.23033	0.012	0.101	5.42E-33	M1	RDH10
PPARG.2	3.64E-37	0.203252	0.065	0.017	5.44E-33	M1	PPARG
LRCH3.2	3.77E-37	-0.13924	0.043	0.157	5.63E-33	M1	LRCH3
CHST8.3	3.77E-37	-0.17303	0.002	0.081	5.63E-33	M1	CHST8
NAAA.4	3.81E-37	0.473804	0.211	0.118	5.70E-33	M1	NAAA
MARK3.2	3.90E-37	-0.17325	0.147	0.315	5.83E-33	M1	MARK3
MAFG-AS1.4	4.06E-37	-0.14168	0.001	0.078	6.06E-33	M1	MAFG-AS1
ACTL6B.3	4.15E-37	-0.30354	0.007	0.091	6.20E-33	M1	ACTL6B
ELMOD3.2	4.17E-37	-0.16831	0.042	0.154	6.23E-33	M1	ELMOD3
CDC5L.3	4.20E-37	-0.172	0.143	0.309	6.27E-33	M1	CDC5L
PRSS23.2	4.48E-37	-0.299	0.007	0.092	6.69E-33	M1	PRSS23
ARID4B.3	4.49E-37	-0.1862	0.237	0.44	6.71E-33	M1	ARID4B
STAT6.4	4.52E-37	0.293051	0.11	0.041	6.75E-33	M1	STAT6
ZNF576.2	4.69E-37	-0.18913	0.043	0.156	7.01E-33	M1	ZNF576
RGS13.1	4.71E-37	0.167383	0.042	0.007	7.03E-33	M1	RGS13
LYRM5.2	4.73E-37	-0.20993	0.19	0.371	7.06E-33	M1	LYRM5
MOCS2.4	4.92E-37	-0.18733	0.131	0.29	7.35E-33	M1	MOCS2
LDOC1L.3	4.94E-37	-0.16698	0.012	0.102	7.38E-33	M1	LDOC1L
CXCL12.1	5.00E-37	0.346937	0.094	0.032	7.48E-33	M1	CXCL12
HNRNP.3	5.06E-37	-0.20452	0.248	0.448	7.56E-33	M1	HNRNP
GHITM.3	5.07E-37	0.267335	0.564	0.515	7.58E-33	M1	GHITM
VG.2	5.22E-37	-0.27645	0.003	0.082	7.80E-33	M1	VG
SOX15.2	5.51E-37	-0.25499	0.003	0.084	8.23E-33	M1	SOX15
PRKAG2.4	5.90E-37	0.421162	0.219	0.121	8.82E-33	M1	PRKAG2
POGZ.2	5.92E-37	-0.14633	0.092	0.234	8.85E-33	M1	POGZ
PTPN18.4	6.07E-37	0.439531	0.293	0.194	9.08E-33	M1	PTPN18
GTF2IRD2B.6	6.09E-37	-0.18174	0.043	0.156	9.09E-33	M1	GTF2IRD2B
SPOP.1	6.13E-37	-0.14611	0.16	0.338	9.16E-33	M1	SPOP
SNRNP40.1	6.24E-37	-0.2039	0.179	0.359	9.33E-33	M1	SNRNP40
SRSF1	6.28E-37	-0.18651	0.229	0.431	9.39E-33	M1	SRSF1

MCM4. 3	6. 59E-37	-0. 20985	0. 018	0. 111	9. 85E-33	M1	MCM4
NELFB. 3	6. 70E-37	-0. 16009	0. 051	0. 169	1. 00E-32	M1	NELFB
SATB2. 1	7. 24E-37	-0. 15516	0. 005	0. 086	1. 08E-32	M1	SATB2
WIPF2. 1	7. 33E-37	-0. 15198	0. 086	0. 225	1. 10E-32	M1	WIPF2
GIT1. 2	7. 68E-37	-0. 1352	0. 023	0. 122	1. 15E-32	M1	GIT1
SREBF2. 1	7. 69E-37	-0. 15256	0. 032	0. 137	1. 15E-32	M1	SREBF2
YKT6. 2	7. 70E-37	-0. 16436	0. 113	0. 264	1. 15E-32	M1	YKT6
RAD50. 1	7. 78E-37	-0. 1588	0. 131	0. 292	1. 16E-32	M1	RAD50
ADD1. 2	8. 25E-37	-0. 16561	0. 161	0. 337	1. 23E-32	M1	ADD1
AC147651. 4	8. 26E-37	0. 240189	0. 085	0. 026	1. 23E-32	M1	AC147651. 4
VPS25. 1	8. 52E-37	-0. 22428	0. 18	0. 36	1. 27E-32	M1	VPS25
BET1. 2	8. 53E-37	-0. 2132	0. 102	0. 245	1. 27E-32	M1	BET1
KIF3C. 4	8. 98E-37	-0. 19836	0. 022	0. 118	1. 34E-32	M1	KIF3C
AFAP1. 2	9. 42E-37	-0. 17898	0. 012	0. 1	1. 41E-32	M1	AFAP1
IL10RB-AS	9. 48E-37	0. 354682	0. 097	0. 034	1. 42E-32	M1	IL10RB-AS1
ANKRD36C. 9	9. 51E-37	-0. 21286	0. 061	0. 182	1. 42E-32	M1	ANKRD36C
SURF2. 3	9. 60E-37	-0. 14927	0. 107	0. 257	1. 44E-32	M1	SURF2
SCD. 4	9. 72E-37	-0. 32146	0. 098	0. 235	1. 45E-32	M1	SCD
TMEFF2. 4	9. 81E-37	-0. 28908	0. 008	0. 092	1. 47E-32	M1	TMEFF2
U2AF2. 2	9. 89E-37	-0. 14096	0. 124	0. 284	1. 48E-32	M1	U2AF2
CENPK. 2	1. 00E-36	-0. 2022	0. 02	0. 115	1. 50E-32	M1	CENPK
GABBR1. 3	1. 00E-36	-0. 19645	0. 008	0. 093	1. 50E-32	M1	GABBR1
MYO7A. 2	1. 02E-36	0. 282552	0. 079	0. 024	1. 53E-32	M1	MYO7A
RALGAPB. 2	1. 11E-36	-0. 14507	0. 026	0. 127	1. 65E-32	M1	RALGAPB
MSLN	1. 12E-36	0. 15755	0. 035	0. 004	1. 68E-32	M1	MSLN
SIAH1. 2	1. 18E-36	-0. 14689	0. 106	0. 253	1. 76E-32	M1	SIAH1
RBM27. 2	1. 18E-36	-0. 13769	0. 103	0. 251	1. 77E-32	M1	RBM27
ELMO2. 1	1. 19E-36	-0. 15638	0. 038	0. 146	1. 78E-32	M1	ELMO2
RP11-557H	1. 21E-36	0. 248647	0. 069	0. 018	1. 81E-32	M1	RP11-557H15. 4
MPRIP. 1	1. 22E-36	-0. 14667	0. 056	0. 177	1. 82E-32	M1	MPRIP
NUDCD3. 2	1. 24E-36	-0. 19011	0. 086	0. 221	1. 85E-32	M1	NUDCD3
AGAP2-AS1	1. 27E-36	-0. 34028	0. 019	0. 111	1. 90E-32	M1	AGAP2-AS1
TMEM208. 3	1. 38E-36	-0. 2086	0. 287	0. 503	2. 06E-32	M1	TMEM208
LMO1. 3	1. 44E-36	-0. 27337	0. 006	0. 088	2. 15E-32	M1	LMO1
RBM26. 2	1. 44E-36	-0. 11961	0. 094	0. 237	2. 16E-32	M1	RBM26
CTHRC1. 3	1. 45E-36	-0. 15497	0. 001	0. 077	2. 17E-32	M1	CTHRC1
DCAF16. 1	1. 46E-36	-0. 15105	0. 032	0. 137	2. 18E-32	M1	DCAF16
HN1L. 2	1. 47E-36	-0. 1642	0. 054	0. 172	2. 20E-32	M1	HN1L
CCDC43. 2	1. 52E-36	-0. 15308	0. 085	0. 222	2. 28E-32	M1	CCDC43
ZNF90. 3	1. 62E-36	0. 346318	0. 471	0. 361	2. 42E-32	M1	ZNF90
DNM3. 2	1. 74E-36	-0. 25051	0. 014	0. 103	2. 60E-32	M1	DNM3
CD1D. 3	1. 92E-36	0. 262357	0. 087	0. 028	2. 87E-32	M1	CD1D
MPHOSPH8. 1	1. 98E-36	-0. 17611	0. 231	0. 433	2. 95E-32	M1	MPHOSPH8
CHST7. 2	2. 00E-36	-0. 15254	0. 026	0. 126	2. 98E-32	M1	CHST7
STK33. 3	2. 06E-36	-0. 16519	0. 003	0. 081	3. 07E-32	M1	STK33
DEF8. 4	2. 14E-36	-0. 13246	0. 135	0. 298	3. 20E-32	M1	DEF8
GPS1. 2	2. 18E-36	-0. 15502	0. 174	0. 354	3. 26E-32	M1	GPS1
FASTK. 2	2. 22E-36	-0. 18383	0. 185	0. 368	3. 32E-32	M1	FASTK
PDK2. 1	2. 25E-36	-0. 13779	0. 062	0. 185	3. 36E-32	M1	PDK2
MIS18A. 2	2. 29E-36	-0. 20356	0. 024	0. 122	3. 43E-32	M1	MIS18A
RBM18. 2	2. 37E-36	-0. 19248	0. 092	0. 229	3. 54E-32	M1	RBM18

DNM1. 1	2. 37E-36	-0. 12804	0. 005	0. 087	3. 55E-32	M1	DNM1
CACNG8. 2	2. 41E-36	-0. 14443	0. 005	0. 087	3. 61E-32	M1	CACNG8
ICAM2. 3	2. 49E-36	0. 2468	0. 082	0. 025	3. 73E-32	M1	ICAM2
BCL7C. 2	2. 55E-36	-0. 17709	0. 125	0. 281	3. 82E-32	M1	BCL7C
FAM84B. 3	2. 57E-36	-0. 22903	0. 013	0. 102	3. 85E-32	M1	FAM84B
SMAD5. 3	2. 66E-36	-0. 15108	0. 066	0. 192	3. 98E-32	M1	SMAD5
GNG2. 2	2. 67E-36	-0. 20795	0. 074	0. 2	3. 98E-32	M1	GNG2
CRAT. 1	2. 83E-36	-0. 14938	0. 059	0. 181	4. 23E-32	M1	CRAT
ZNF195. 2	2. 88E-36	-0. 16408	0. 061	0. 183	4. 31E-32	M1	ZNF195
RASGRP1. 3	2. 93E-36	-0. 15791	0. 003	0. 082	4. 38E-32	M1	RASGRP1
MITF. 3	3. 04E-36	0. 346178	0. 165	0. 079	4. 54E-32	M1	MITF
FAM200A. 1	3. 28E-36	-0. 21059	0. 019	0. 112	4. 90E-32	M1	FAM200A
RNASEH1. 2	3. 31E-36	-0. 11964	0. 106	0. 254	4. 94E-32	M1	RNASEH1
RPRM. 4	3. 47E-36	-0. 30581	0. 002	0. 079	5. 19E-32	M1	RPRM
ZNF253. 2	3. 51E-36	-0. 18466	0. 011	0. 098	5. 24E-32	M1	ZNF253
FAM103A1. 3	3. 54E-36	-0. 22361	0. 117	0. 268	5. 29E-32	M1	FAM103A1
PMS2. 3	3. 60E-36	-0. 17258	0. 038	0. 145	5. 39E-32	M1	PMS2
ORC6. 3	3. 64E-36	-0. 19859	0. 016	0. 106	5. 45E-32	M1	ORC6
DCAF10. 1	3. 65E-36	-0. 14066	0. 071	0. 199	5. 46E-32	M1	DCAF10
NCAN. 2	3. 65E-36	-0. 28926	0. 01	0. 094	5. 46E-32	M1	NCAN
FREM2. 3	3. 66E-36	-0. 13421	0. 003	0. 081	5. 47E-32	M1	FREM2
FAF2. 3	3. 68E-36	-0. 13936	0. 079	0. 211	5. 51E-32	M1	FAF2
RTF1. 3	3. 70E-36	-0. 19471	0. 258	0. 465	5. 53E-32	M1	RTF1
GATAD2B. 2	3. 75E-36	-0. 15013	0. 06	0. 181	5. 60E-32	M1	GATAD2B
UBFD1. 1	3. 81E-36	-0. 15269	0. 023	0. 12	5. 69E-32	M1	UBFD1
ECE1. 2	3. 83E-36	-0. 17659	0. 009	0. 094	5. 72E-32	M1	ECE1
DOLPP1. 2	3. 95E-36	-0. 18358	0. 022	0. 117	5. 90E-32	M1	DOLPP1
CBX2. 2	4. 20E-36	-0. 17855	0. 002	0. 08	6. 27E-32	M1	CBX2
PHLDB1. 4	4. 20E-36	-0. 19468	0. 047	0. 16	6. 28E-32	M1	PHLDB1
CASC3. 1	4. 23E-36	-0. 14595	0. 077	0. 207	6. 33E-32	M1	CASC3
ARL3. 2	4. 25E-36	-0. 20787	0. 193	0. 377	6. 35E-32	M1	ARL3
MAPK12. 2	4. 29E-36	-0. 13912	0. 004	0. 083	6. 41E-32	M1	MAPK12
SETD4. 2	4. 31E-36	-0. 19467	0. 037	0. 144	6. 44E-32	M1	SETD4
VCAM1. 2	4. 42E-36	-0. 34217	0. 005	0. 086	6. 61E-32	M1	VCAM1
ANAPC13. 4	4. 46E-36	-0. 24288	0. 205	0. 384	6. 67E-32	M1	ANAPC13
LRP12. 1	4. 68E-36	-0. 17772	0. 017	0. 108	7. 00E-32	M1	LRP12
ERRFI1. 2	4. 79E-36	-0. 21641	0. 055	0. 171	7. 15E-32	M1	ERRFI1
SIRT7. 2	4. 89E-36	-0. 13954	0. 09	0. 23	7. 31E-32	M1	SIRT7
C18orf21. 4	4. 95E-36	-0. 15694	0. 063	0. 186	7. 39E-32	M1	C18orf21
SLC9A9. 3	5. 07E-36	0. 331642	0. 145	0. 065	7. 58E-32	M1	SLC9A9
RALBP1. 1	5. 15E-36	-0. 18094	0. 16	0. 331	7. 70E-32	M1	RALBP1
GAR1. 4	5. 16E-36	-0. 19283	0. 08	0. 212	7. 71E-32	M1	GAR1
MFI2-AS1. 5	5. 18E-36	-0. 1628	0. 007	0. 089	7. 74E-32	M1	MFI2-AS1
EID2B. 2	5. 39E-36	-0. 17545	0. 015	0. 104	8. 06E-32	M1	EID2B
TOX3. 3	5. 42E-36	-0. 27895	0. 003	0. 08	8. 11E-32	M1	TOX3
IFT88. 2	5. 46E-36	-0. 20502	0. 026	0. 125	8. 17E-32	M1	IFT88
HMGCR. 2	5. 47E-36	-0. 17158	0. 026	0. 125	8. 17E-32	M1	HMGCR
HMG2. 2	5. 59E-36	-0. 33479	0. 507	0. 656	8. 36E-32	M1	HMG2
AC093323. 5	5. 66E-36	-0. 14428	0. 018	0. 111	8. 46E-32	M1	AC093323. 3
TRIM33. 3	5. 67E-36	-0. 17113	0. 075	0. 204	8. 47E-32	M1	TRIM33
CACFD1. 2	5. 78E-36	-0. 18207	0. 014	0. 102	8. 63E-32	M1	CACFD1

CHID1. 2	5. 79E-36	-0. 22443	0. 265	0. 471	8. 66E-32	M1	CHID1
ZNF205. 1	5. 80E-36	-0. 17325	0. 026	0. 125	8. 66E-32	M1	ZNF205
PCDHB7. 2	5. 82E-36	-0. 23384	0. 005	0. 084	8. 70E-32	M1	PCDHB7
LSM14B. 2	6. 28E-36	-0. 15479	0. 021	0. 116	9. 39E-32	M1	LSM14B
SOX21-AS1	6. 30E-36	-0. 15408	0. 001	0. 077	9. 41E-32	M1	SOX21-AS1
TMEM184B. 6.	39E-36	-0. 17753	0. 045	0. 157	9. 55E-32	M1	TMEM184B
FAM126A. 2	6. 40E-36	-0. 14229	0. 044	0. 155	9. 56E-32	M1	FAM126A
TMEM206. 3	6. 44E-36	-0. 14834	0. 109	0. 255	9. 63E-32	M1	TMEM206
RRP9. 1	6. 47E-36	-0. 19021	0. 058	0. 176	9. 67E-32	M1	RRP9
FAT1. 2	6. 58E-36	-0. 14827	0. 002	0. 079	9. 83E-32	M1	FAT1
C1orf52. 4	6. 62E-36	-0. 13225	0. 163	0. 336	9. 89E-32	M1	C1orf52
SNRPF. 2	6. 74E-36	-0. 2427	0. 361	0. 584	1. 01E-31	M1	SNRPF
FANCF. 2	6. 75E-36	-0. 19457	0. 016	0. 107	1. 01E-31	M1	FANCF
RBM28. 2	7. 09E-36	-0. 17142	0. 062	0. 183	1. 06E-31	M1	RBM28
ZNF568. 2	7. 12E-36	-0. 22416	0. 02	0. 114	1. 06E-31	M1	ZNF568
NOL4. 2	7. 19E-36	-0. 20231	0. 002	0. 078	1. 07E-31	M1	NOL4
FAHD2A. 1	7. 20E-36	-0. 16443	0. 068	0. 193	1. 08E-31	M1	FAHD2A
KCNIP1. 3	7. 43E-36	-0. 2164	0. 02	0. 114	1. 11E-31	M1	KCNIP1
ZNF268. 2	7. 47E-36	-0. 16536	0. 032	0. 134	1. 12E-31	M1	ZNF268
KATNB1. 2	7. 52E-36	-0. 16722	0. 034	0. 137	1. 12E-31	M1	KATNB1
RP3-428L1	7. 63E-36	-0. 17976	0. 004	0. 083	1. 14E-31	M1	RP3-428L16. 2
AGPAT4. 2	7. 88E-36	-0. 18228	0. 023	0. 119	1. 18E-31	M1	AGPAT4
PODXL. 2	7. 98E-36	-0. 17593	0. 004	0. 083	1. 19E-31	M1	PODXL
YRDC. 1	8. 21E-36	-0. 15585	0. 06	0. 181	1. 23E-31	M1	YRDC
PSMD3. 2	8. 43E-36	-0. 16239	0. 237	0. 438	1. 26E-31	M1	PSMD3
GALNS. 2	8. 45E-36	-0. 13581	0. 041	0. 15	1. 26E-31	M1	GALNS
CRLS1. 2	8. 51E-36	-0. 18445	0. 146	0. 311	1. 27E-31	M1	CRLS1
CES2. 2	8. 68E-36	-0. 14341	0. 075	0. 206	1. 30E-31	M1	CES2
ATAD3A. 1	9. 32E-36	-0. 14142	0. 054	0. 171	1. 39E-31	M1	ATAD3A
CHCHD6. 2	9. 32E-36	-0. 16138	0. 112	0. 26	1. 39E-31	M1	CHCHD6
UBE2Q1. 2	9. 33E-36	-0. 16268	0. 061	0. 182	1. 39E-31	M1	UBE2Q1
DGCR6. 1	9. 85E-36	-0. 14889	0. 056	0. 174	1. 47E-31	M1	DGCR6
ETV3. 4	9. 90E-36	0. 360803	0. 141	0. 063	1. 48E-31	M1	ETV3
PNO1. 1	1. 00E-35	-0. 17223	0. 089	0. 225	1. 49E-31	M1	PNO1
PRPF38A. 2	1. 01E-35	-0. 13915	0. 15	0. 318	1. 51E-31	M1	PRPF38A
SMKR1. 1	1. 03E-35	-0. 20185	0. 005	0. 084	1. 54E-31	M1	SMKR1
ARPC5. 3	1. 06E-35	0. 15663	0. 689	0. 669	1. 58E-31	M1	ARPC5
DBNDD1. 2	1. 07E-35	-0. 15962	0. 003	0. 081	1. 60E-31	M1	DBNDD1
HDHD2. 2	1. 08E-35	-0. 17943	0. 128	0. 283	1. 61E-31	M1	HDHD2
UBE2J2. 3	1. 10E-35	-0. 17246	0. 183	0. 365	1. 65E-31	M1	UBE2J2
P4HA2	1. 11E-35	-0. 20304	0. 01	0. 095	1. 65E-31	M1	P4HA2
CHST3. 2	1. 12E-35	-0. 1407	0. 001	0. 077	1. 67E-31	M1	CHST3
RABEP1. 4	1. 12E-35	-0. 12973	0. 123	0. 279	1. 68E-31	M1	RABEP1
CCDC102B. 1.	14E-35	-0. 17936	0. 022	0. 117	1. 71E-31	M1	CCDC102B
SNRPD1. 1	1. 17E-35	-0. 25169	0. 384	0. 6	1. 74E-31	M1	SNRPD1
RAD51C. 2	1. 17E-35	-0. 14077	0. 133	0. 293	1. 74E-31	M1	RAD51C
CASC4. 3	1. 17E-35	-0. 1108	0. 102	0. 248	1. 74E-31	M1	CASC4
HIST1H2BK	1. 21E-35	0. 434879	0. 289	0. 192	1. 80E-31	M1	HIST1H2BK
SMIM15. 1	1. 25E-35	-0. 19973	0. 183	0. 362	1. 87E-31	M1	SMIM15
ACLY. 4	1. 26E-35	-0. 11771	0. 097	0. 24	1. 89E-31	M1	ACLY
CREB3L1. 1	1. 30E-35	-0. 14291	0	0. 074	1. 94E-31	M1	CREB3L1



TCERG1.2	1.31E-35	-0.12444	0.09	0.227	1.95E-31	M1	TCERG1
ZNF37A.4	1.32E-35	-0.17107	0.046	0.157	1.97E-31	M1	ZNF37A
KAT7.2	1.37E-35	-0.15533	0.051	0.167	2.05E-31	M1	KAT7
TBPL1	1.38E-35	-0.16868	0.1	0.241	2.06E-31	M1	TBPL1
PPP1R35.4	1.42E-35	-0.12108	0.058	0.177	2.12E-31	M1	PPP1R35
METTL7A.1	1.46E-35	0.369696	0.311	0.203	2.18E-31	M1	METTL7A
GNAI2.4	1.49E-35	0.301393	0.52	0.475	2.23E-31	M1	GNAI2
RNF219.1	1.52E-35	-0.22143	0.031	0.131	2.28E-31	M1	RNF219
PAK4.2	1.54E-35	-0.14931	0.031	0.133	2.31E-31	M1	PAK4
SMAD9.2	1.55E-35	-0.21456	0.005	0.084	2.31E-31	M1	SMAD9
SRP68.1	1.58E-35	-0.13861	0.107	0.254	2.37E-31	M1	SRP68
MTHFD2.3	1.66E-35	0.375368	0.376	0.271	2.48E-31	M1	MTHFD2
RPS6KL1.3	1.67E-35	-0.22332	0.022	0.116	2.50E-31	M1	RPS6KL1
PDIA3.4	1.68E-35	0.208297	0.607	0.578	2.51E-31	M1	PDIA3
PCIF1.2	1.71E-35	-0.15549	0.049	0.162	2.55E-31	M1	PCIF1
GOSR2.2	1.75E-35	-0.17194	0.078	0.207	2.62E-31	M1	GOSR2
ZNF281.2	1.77E-35	-0.16706	0.078	0.206	2.64E-31	M1	ZNF281
MORF4L2.3	1.77E-35	-0.2441	0.448	0.661	2.65E-31	M1	MORF4L2
GPR37L1.3	1.78E-35	-0.34156	0.013	0.099	2.66E-31	M1	GPR37L1
RNF165.3	1.78E-35	-0.19807	0.003	0.08	2.66E-31	M1	RNF165
LRFN4.1	1.83E-35	-0.13638	0.006	0.087	2.73E-31	M1	LRFN4
H2AFJ.4	1.91E-35	0.449145	0.34	0.243	2.86E-31	M1	H2AFJ
HSPE1.4	1.92E-35	-0.24796	0.594	0.756	2.87E-31	M1	HSPE1
TPX2.3	1.97E-35	-0.27535	0.012	0.097	2.95E-31	M1	TPX2
RP11-263K	1.98E-35	-0.19244	0.002	0.078	2.96E-31	M1	RP11-263K19.4
SPRY2.3	2.01E-35	-0.16117	0.1	0.242	3.00E-31	M1	SPRY2
HS6ST2.1	2.02E-35	-0.13351	0.001	0.075	3.02E-31	M1	HS6ST2
COL16A1.2	2.06E-35	-0.1846	0.007	0.087	3.08E-31	M1	COL16A1
TIAM2.3	2.07E-35	-0.22486	0.01	0.093	3.09E-31	M1	TIAM2
IL4I1.3	2.09E-35	0.271404	0.127	0.052	3.12E-31	M1	IL4I1
DFFA.1	2.10E-35	-0.12771	0.101	0.243	3.14E-31	M1	DFFA
YIPF5.2	2.19E-35	-0.17368	0.132	0.288	3.28E-31	M1	YIPF5
RIT2.3	2.22E-35	-0.32895	0.008	0.09	3.32E-31	M1	RIT2
MAP2K7.1	2.25E-35	-0.14598	0.085	0.218	3.37E-31	M1	MAP2K7
LRRC1.2	2.27E-35	-0.2186	0.005	0.083	3.39E-31	M1	LRRC1
C16orf87.	2.28E-35	-0.13912	0.091	0.227	3.41E-31	M1	C16orf87
DBX2.3	2.30E-35	-0.15458	0.002	0.077	3.44E-31	M1	DBX2
WDR13.1	2.37E-35	-0.17909	0.149	0.313	3.54E-31	M1	WDR13
ACOT8	2.45E-35	-0.13333	0.091	0.229	3.66E-31	M1	ACOT8
CCDC130.2	2.50E-35	-0.12828	0.106	0.252	3.73E-31	M1	CCDC130
LONRF1.1	2.57E-35	-0.13158	0.02	0.113	3.84E-31	M1	LONRF1
SNRPA1.3	2.63E-35	-0.17906	0.156	0.322	3.93E-31	M1	SNRPA1
NIPSNAP1.	2.69E-35	-0.16762	0.066	0.188	4.02E-31	M1	NIPSNAP1
ITGA2.2	2.80E-35	-0.16791	0.001	0.075	4.18E-31	M1	ITGA2
CCNB1.2	2.92E-35	-0.30895	0.017	0.105	4.37E-31	M1	CCNB1
C1orf123.	2.95E-35	-0.20407	0.191	0.371	4.41E-31	M1	C1orf123
PPID	3.00E-35	-0.15191	0.094	0.233	4.48E-31	M1	PPID
RP11-66N1	3.04E-35	-0.16918	0.014	0.101	4.55E-31	M1	RP11-66N11.8
LLGL1.3	3.06E-35	-0.15559	0.022	0.116	4.57E-31	M1	LLGL1
AKT2.1	3.15E-35	-0.18022	0.078	0.207	4.71E-31	M1	AKT2
MYL12B.3	3.45E-35	0.110242	0.739	0.725	5.15E-31	M1	MYL12B

SIGLEC7.4	3.48E-35	0.289674	0.14	0.061	5.20E-31	M1	SIGLEC7
PAK1.4	3.53E-35	0.405614	0.253	0.153	5.28E-31	M1	PAK1
AVIL.2	3.58E-35	-0.23306	0.016	0.104	5.35E-31	M1	AVIL
WDR6.2	3.60E-35	-0.17912	0.111	0.256	5.38E-31	M1	WDR6
SLC30A5.1	3.61E-35	-0.14073	0.091	0.228	5.39E-31	M1	SLC30A5
MSH2.2	3.71E-35	-0.19006	0.032	0.133	5.54E-31	M1	MSH2
RPS6KA4.4	3.75E-35	0.409546	0.194	0.107	5.60E-31	M1	RPS6KA4
SEC23B.2	3.93E-35	-0.17918	0.138	0.297	5.87E-31	M1	SEC23B
PLAGL1.3	3.96E-35	0.297112	0.09	0.031	5.91E-31	M1	PLAGL1
THAP11.3	3.99E-35	-0.12405	0.071	0.197	5.96E-31	M1	THAP11
NEK1.1	4.00E-35	-0.16935	0.039	0.144	5.98E-31	M1	NEK1
CDC16.2	4.25E-35	-0.15203	0.086	0.218	6.35E-31	M1	CDC16
PPP1R9A.3	4.42E-35	-0.24957	0.006	0.084	6.61E-31	M1	PPP1R9A
SNAI3.1	4.54E-35	0.189066	0.047	0.009	6.79E-31	M1	SNAI3
ABHD15.4	4.61E-35	0.355876	0.114	0.046	6.88E-31	M1	ABHD15
FMN2.2	4.75E-35	-0.16672	0.004	0.082	7.10E-31	M1	FMN2
ZCCHC7.2	4.81E-35	-0.18518	0.05	0.162	7.19E-31	M1	ZCCHC7
AC004540.4	4.86E-35	-0.22659	0.01	0.093	7.26E-31	M1	AC004540.5
ABCA3.2	5.30E-35	-0.15659	0.008	0.09	7.92E-31	M1	ABCA3
LINC01102	5.36E-35	-0.26222	0.005	0.083	8.01E-31	M1	LINC01102
PLCD3.1	5.46E-35	-0.13743	0.003	0.079	8.16E-31	M1	PLCD3
EXOC5.1	5.63E-35	-0.16886	0.074	0.201	8.41E-31	M1	EXOC5
ACIN1.2	5.71E-35	-0.15515	0.134	0.291	8.53E-31	M1	ACIN1
DENND1C.3	6.03E-35	0.269275	0.079	0.025	9.02E-31	M1	DENND1C
ZMYND8.3	6.25E-35	-0.15041	0.094	0.23	9.35E-31	M1	ZMYND8
TUBA1C.2	6.29E-35	-0.27139	0.23	0.41	9.39E-31	M1	TUBA1C
SPEG.2	6.90E-35	-0.18387	0.005	0.083	1.03E-30	M1	SPEG
RBM42.2	6.93E-35	-0.17453	0.225	0.419	1.04E-30	M1	RBM42
LANCL1.3	7.10E-35	-0.23664	0.034	0.134	1.06E-30	M1	LANCL1
SEC22C.2	7.18E-35	-0.15724	0.107	0.252	1.07E-30	M1	SEC22C
IGDCC3.4	7.47E-35	-0.16157	0.001	0.075	1.12E-30	M1	IGDCC3
SESN1.4	7.76E-35	0.354584	0.174	0.087	1.16E-30	M1	SESN1
GTF2H3.1	7.81E-35	-0.14118	0.048	0.16	1.17E-30	M1	GTF2H3
ADAMTS6.1	7.89E-35	-0.15423	0.003	0.078	1.18E-30	M1	ADAMTS6
OXLD1.2	8.00E-35	-0.18223	0.126	0.278	1.20E-30	M1	OXLD1
NSD1.2	8.04E-35	-0.13885	0.112	0.257	1.20E-30	M1	NSD1
PSMG4.2	8.06E-35	-0.1716	0.087	0.22	1.20E-30	M1	PSMG4
RNF170.2	8.11E-35	-0.13818	0.064	0.185	1.21E-30	M1	RNF170
C16orf52.8	8.26E-35	-0.14292	0.02	0.111	1.24E-30	M1	C16orf52
RAI14.2	8.49E-35	-0.19413	0.005	0.082	1.27E-30	M1	RAI14
SLC48A1.3	8.55E-35	-0.27717	0.044	0.15	1.28E-30	M1	SLC48A1
SLC36A4.2	8.60E-35	-0.14445	0.084	0.215	1.29E-30	M1	SLC36A4
PELP1.3	8.69E-35	-0.18034	0.055	0.17	1.30E-30	M1	PELP1
MECR.2	9.06E-35	-0.145	0.061	0.181	1.35E-30	M1	MECR
C7orf26.3	9.44E-35	-0.16923	0.06	0.177	1.41E-30	M1	C7orf26
COL22A1	9.79E-35	-0.13878	0.006	0.085	1.46E-30	M1	COL22A1
RBM38.2	1.02E-34	-0.14505	0.045	0.154	1.52E-30	M1	RBM38
KIAA1586.1	1.02E-34	-0.18506	0.032	0.132	1.52E-30	M1	KIAA1586
SCN3A.3	1.08E-34	-0.21608	0.006	0.085	1.62E-30	M1	SCN3A
RBBP9.2	1.10E-34	-0.12175	0.019	0.109	1.65E-30	M1	RBBP9
SMIM7.3	1.14E-34	-0.22882	0.322	0.542	1.70E-30	M1	SMIM7

SEMA4A. 4	1. 18E-34	0. 246846	0. 103	0. 038	1. 76E-30	M1	SEMA4A
RNF40. 1	1. 19E-34	-0. 14544	0. 071	0. 196	1. 77E-30	M1	RNF40
MBIP. 3	1. 20E-34	-0. 16219	0. 074	0. 201	1. 79E-30	M1	MBIP
CELF3. 4	1. 23E-34	-0. 25257	0. 003	0. 078	1. 83E-30	M1	CELF3
ZCCHC3. 3	1. 29E-34	-0. 13666	0. 026	0. 122	1. 93E-30	M1	ZCCHC3
PSMD8. 2	1. 32E-34	-0. 29493	0. 502	0. 708	1. 97E-30	M1	PSMD8
DMPK. 1	1. 32E-34	-0. 14172	0. 003	0. 078	1. 98E-30	M1	DMPK
SAP30L. 3	1. 36E-34	-0. 14787	0. 018	0. 107	2. 03E-30	M1	SAP30L
SULF2. 2	1. 40E-34	-0. 12215	0. 06	0. 179	2. 08E-30	M1	SULF2
PNPT1. 2	1. 42E-34	-0. 14746	0. 087	0. 219	2. 12E-30	M1	PNPT1
FAM212A. 3	1. 43E-34	0. 337641	0. 102	0. 038	2. 13E-30	M1	FAM212A
XIAP. 2	1. 43E-34	-0. 11417	0. 097	0. 237	2. 14E-30	M1	XIAP
MIB2. 3	1. 45E-34	-0. 12347	0. 053	0. 168	2. 16E-30	M1	MIB2
RP11-196G	1. 48E-34	0. 172784	0. 045	0. 009	2. 21E-30	M1	RP11-196G11. 2
MUT. 3	1. 54E-34	-0. 15464	0. 06	0. 177	2. 29E-30	M1	MUT
DDB1	1. 59E-34	-0. 16936	0. 153	0. 317	2. 38E-30	M1	DDB1
EID1. 2	1. 59E-34	-0. 22246	0. 55	0. 739	2. 38E-30	M1	EID1
PES1. 3	1. 63E-34	-0. 12784	0. 083	0. 214	2. 44E-30	M1	PES1
HIRIP3. 2	1. 65E-34	-0. 19079	0. 066	0. 185	2. 47E-30	M1	HIRIP3
BRINP2. 3	1. 69E-34	-0. 16936	0. 007	0. 086	2. 52E-30	M1	BRINP2
C9orf116.	1. 74E-34	-0. 14346	0. 009	0. 09	2. 60E-30	M1	C9orf116
FAM181A. 2	1. 80E-34	-0. 2589	0. 003	0. 078	2. 69E-30	M1	FAM181A
TBC1D8. 1	1. 82E-34	0. 268902	0. 095	0. 034	2. 72E-30	M1	TBC1D8
MSH6. 2	1. 93E-34	-0. 16421	0. 04	0. 144	2. 89E-30	M1	MSH6
ZNF260. 1	1. 97E-34	-0. 14472	0. 022	0. 115	2. 95E-30	M1	ZNF260
BYSL. 1	1. 98E-34	-0. 18182	0. 028	0. 123	2. 96E-30	M1	BYSL
RAB9A. 2	2. 06E-34	-0. 15657	0. 162	0. 332	3. 08E-30	M1	RAB9A
GGCT. 3	2. 07E-34	-0. 23873	0. 229	0. 418	3. 09E-30	M1	GGCT
GJC1. 2	2. 08E-34	-0. 12529	0. 002	0. 076	3. 10E-30	M1	GJC1
PRR5. 3	2. 09E-34	0. 281116	0. 099	0. 036	3. 12E-30	M1	PRR5
GAS2L1. 3	2. 12E-34	-0. 14524	0. 056	0. 171	3. 16E-30	M1	GAS2L1
MED9. 1	2. 21E-34	-0. 16523	0. 018	0. 107	3. 31E-30	M1	MED9
TRIB3. 3	2. 24E-34	-0. 22117	0. 008	0. 087	3. 35E-30	M1	TRIB3
ST5. 4	2. 27E-34	-0. 17103	0. 056	0. 17	3. 40E-30	M1	ST5
WASF3. 2	2. 28E-34	-0. 17802	0. 009	0. 089	3. 41E-30	M1	WASF3
C12orf43	2. 41E-34	-0. 15558	0. 06	0. 176	3. 60E-30	M1	C12orf43
NDUFAF6. 3	2. 43E-34	-0. 12435	0. 075	0. 202	3. 62E-30	M1	NDUFAF6
CSK. 4	2. 47E-34	0. 3948	0. 225	0. 132	3. 69E-30	M1	CSK
PWAR6. 1	2. 48E-34	-0. 1595	0. 007	0. 085	3. 71E-30	M1	PWAR6
HRK. 2	2. 56E-34	-0. 22074	0. 002	0. 075	3. 83E-30	M1	HRK
TTC32. 1	2. 58E-34	-0. 19493	0. 055	0. 168	3. 85E-30	M1	TTC32
TSPYL4. 1	2. 65E-34	-0. 18699	0. 025	0. 119	3. 97E-30	M1	TSPYL4
CNOT3. 2	2. 70E-34	-0. 11317	0. 063	0. 182	4. 03E-30	M1	CNOT3
PDHA1. 1	2. 75E-34	-0. 16458	0. 164	0. 331	4. 10E-30	M1	PDHA1
MZT2B. 2	2. 80E-34	-0. 25288	0. 441	0. 624	4. 19E-30	M1	MZT2B
TNFRSF14.	2. 85E-34	0. 403892	0. 19	0. 1	4. 27E-30	M1	TNFRSF14
ADPRH. 2	3. 00E-34	0. 257259	0. 077	0. 024	4. 48E-30	M1	ADPRH
METAP1D. 2	3. 19E-34	-0. 20523	0. 039	0. 141	4. 76E-30	M1	METAP1D
WDR48. 2	3. 21E-34	-0. 17854	0. 048	0. 157	4. 80E-30	M1	WDR48
SHOX2. 2	3. 26E-34	-0. 14326	0. 002	0. 076	4. 87E-30	M1	SHOX2
PCID2. 2	3. 32E-34	-0. 15597	0. 076	0. 201	4. 97E-30	M1	PCID2

GOPC. 2	3. 33E-34	-0. 13012	0. 13	0. 283	4. 98E-30 M1	GOPC
C5orf42. 2	3. 38E-34	-0. 14361	0. 019	0. 109	5. 04E-30 M1	C5orf42
USE1. 4	3. 39E-34	-0. 18388	0. 183	0. 359	5. 06E-30 M1	USE1
BRWD1. 3	3. 60E-34	-0. 16819	0. 119	0. 266	5. 38E-30 M1	BRWD1
PRUNE2. 2	3. 68E-34	-0. 31755	0. 035	0. 133	5. 50E-30 M1	PRUNE2
ICA1L. 1	3. 79E-34	-0. 15759	0. 023	0. 115	5. 66E-30 M1	ICA1L
TIMM21. 3	3. 85E-34	-0. 16717	0. 053	0. 166	5. 75E-30 M1	TIMM21
R3HDM1. 1	3. 88E-34	-0. 16921	0. 04	0. 144	5. 80E-30 M1	R3HDM1
ADO. 3	4. 13E-34	-0. 13362	0. 039	0. 144	6. 17E-30 M1	ADO
MMP15. 3	4. 16E-34	-0. 15117	0. 002	0. 075	6. 21E-30 M1	MMP15
PDE4D. 1	4. 22E-34	-0. 1738	0. 022	0. 113	6. 31E-30 M1	PDE4D
METTL5. 1	4. 25E-34	-0. 15983	0. 205	0. 391	6. 35E-30 M1	METTL5
EMC8. 2	4. 29E-34	-0. 14751	0. 139	0. 298	6. 41E-30 M1	EMC8
CBR4. 4	4. 59E-34	-0. 12646	0. 081	0. 21	6. 85E-30 M1	CBR4
PEG3. 2	4. 86E-34	-0. 21584	0. 003	0. 077	7. 27E-30 M1	PEG3
MAP4K4. 2	5. 05E-34	-0. 20655	0. 126	0. 272	7. 54E-30 M1	MAP4K4
ZNF708. 1	5. 27E-34	-0. 17281	0. 022	0. 113	7. 87E-30 M1	ZNF708
TP53BP1. 1	5. 41E-34	-0. 13882	0. 021	0. 112	8. 08E-30 M1	TP53BP1
SPA17. 4	5. 49E-34	-0. 19984	0. 012	0. 094	8. 20E-30 M1	SPA17
CD7. 3	5. 54E-34	0. 207526	0. 095	0. 033	8. 28E-30 M1	CD7
DHX15. 1	5. 66E-34	-0. 16285	0. 122	0. 269	8. 46E-30 M1	DHX15
PTPN4. 3	5. 71E-34	-0. 18886	0. 025	0. 118	8. 53E-30 M1	PTPN4
SCN3B. 2	5. 86E-34	-0. 26088	0. 007	0. 085	8. 76E-30 M1	SCN3B
NXPH4. 2	5. 90E-34	-0. 23857	0. 002	0. 075	8. 82E-30 M1	NXPH4
EN1. 1	6. 01E-34	-0. 20354	0. 003	0. 076	8. 98E-30 M1	EN1
ADA. 3	6. 03E-34	-0. 14904	0. 019	0. 108	9. 02E-30 M1	ADA
SPPL3. 3	6. 30E-34	-0. 11742	0. 087	0. 219	9. 41E-30 M1	SPPL3
KANSL2. 1	6. 30E-34	-0. 17495	0. 056	0. 168	9. 42E-30 M1	KANSL2
RHBDD3. 2	6. 36E-34	-0. 13355	0. 055	0. 168	9. 50E-30 M1	RHBDD3
NDUF5. 1	6. 50E-34	-0. 15317	0. 045	0. 152	9. 72E-30 M1	NDUF5
CHERP. 1	6. 56E-34	-0. 15723	0. 068	0. 189	9. 81E-30 M1	CHERP
PTPRN. 3	6. 95E-34	-0. 25359	0. 008	0. 087	1. 04E-29 M1	PTPRN
GLTSCR2. 4	6. 97E-34	0. 222184	0. 59	0. 559	1. 04E-29 M1	GLTSCR2
NAT9. 2	7. 23E-34	-0. 11888	0. 091	0. 225	1. 08E-29 M1	NAT9
SLC26A11. 7	7. 81E-34	-0. 12279	0. 026	0. 121	1. 17E-29 M1	SLC26A11
FAM96A. 2	8. 03E-34	0. 372789	0. 423	0. 343	1. 20E-29 M1	FAM96A
PNKD. 2	8. 04E-34	-0. 20912	0. 285	0. 491	1. 20E-29 M1	PNKD
TTC37. 3	8. 05E-34	-0. 13748	0. 078	0. 205	1. 20E-29 M1	TTC37
FTO. 1	8. 36E-34	-0. 14536	0. 045	0. 152	1. 25E-29 M1	FTO
BASP1. 4	8. 67E-34	0. 330496	0. 455	0. 356	1. 30E-29 M1	BASP1
RAC2. 4	8. 74E-34	0. 283063	0. 2	0. 103	1. 31E-29 M1	RAC2
ARHGEF9. 3	8. 77E-34	-0. 1751	0. 036	0. 137	1. 31E-29 M1	ARHGEF9
RP11-514C	8. 79E-34	0. 225479	0. 067	0. 019	1. 31E-29 M1	RP11-514012. 4
SLC8B1. 4	8. 79E-34	0. 389662	0. 165	0. 084	1. 31E-29 M1	SLC8B1
SMC3. 2	8. 80E-34	-0. 16616	0. 153	0. 312	1. 32E-29 M1	SMC3
MCHR1. 2	8. 82E-34	-0. 1434	0	0. 07	1. 32E-29 M1	MCHR1
GPSM1. 3	8. 82E-34	-0. 18552	0. 008	0. 086	1. 32E-29 M1	GPSM1
CSRP1. 2	8. 91E-34	-0. 27386	0. 12	0. 262	1. 33E-29 M1	CSRP1
FAF1	9. 13E-34	-0. 15553	0. 066	0. 185	1. 36E-29 M1	FAF1
RAB5B. 3	9. 53E-34	-0. 14859	0. 1	0. 237	1. 42E-29 M1	RAB5B
ADD3. 1	9. 60E-34	-0. 2395	0. 045	0. 15	1. 43E-29 M1	ADD3

SDC4.1	9.61E-34	-0.24826	0.021	0.111	1.44E-29	M1	SDC4
RSAD1.2	9.73E-34	-0.1338	0.054	0.167	1.45E-29	M1	RSAD1
C8orf82.3	9.81E-34	-0.13212	0.07	0.191	1.47E-29	M1	C8orf82
SLC35C2.1	9.83E-34	-0.16257	0.127	0.279	1.47E-29	M1	SLC35C2
MAD2L1BP	1.01E-33	-0.15157	0.063	0.18	1.51E-29	M1	MAD2L1BP
QSER1.3	1.02E-33	-0.12219	0.035	0.135	1.53E-29	M1	QSER1
HSBP1.3	1.04E-33	-0.26942	0.555	0.747	1.55E-29	M1	HSBP1
GSTM3.2	1.09E-33	-0.13878	0.137	0.295	1.63E-29	M1	GSTM3
GLIS3.1	1.10E-33	-0.13502	0.01	0.091	1.65E-29	M1	GLIS3
MS4A14.3	1.18E-33	0.217785	0.059	0.015	1.76E-29	M1	MS4A14
DYNC1I2.3	1.19E-33	-0.22181	0.302	0.503	1.78E-29	M1	DYNC1I2
SAMD14.1	1.25E-33	-0.19047	0.003	0.077	1.86E-29	M1	SAMD14
GPX7.1	1.25E-33	-0.12483	0.073	0.198	1.86E-29	M1	GPX7
TDG.2	1.26E-33	-0.12772	0.141	0.3	1.88E-29	M1	TDG
MNS1.2	1.27E-33	-0.15834	0.009	0.088	1.90E-29	M1	MNS1
NFKB2.4	1.27E-33	0.339322	0.118	0.049	1.90E-29	M1	NFKB2
NF1.2	1.28E-33	-0.14144	0.106	0.247	1.91E-29	M1	NF1
RAB22A.3	1.28E-33	-0.11968	0.115	0.263	1.91E-29	M1	RAB22A
ST7	1.30E-33	-0.21547	0.028	0.122	1.95E-29	M1	ST7
PSMD5-AS1	1.31E-33	-0.15779	0.078	0.203	1.96E-29	M1	PSMD5-AS1
BRMS1L.1	1.32E-33	-0.18202	0.022	0.113	1.97E-29	M1	BRMS1L
BBIP1.2	1.32E-33	-0.1512	0.075	0.199	1.97E-29	M1	BBIP1
TIMM8A.1	1.33E-33	-0.19367	0.022	0.113	1.99E-29	M1	TIMM8A
DSTYK.2	1.34E-33	-0.15461	0.037	0.137	2.01E-29	M1	DSTYK
ZNF532.2	1.34E-33	-0.15665	0.019	0.107	2.01E-29	M1	ZNF532
RP11-563K	1.36E-33	-0.18632	0.003	0.077	2.03E-29	M1	RP11-563K23.1
TXNRD1.2	1.37E-33	-0.14718	0.118	0.262	2.04E-29	M1	TXNRD1
CHMP2A.3	1.38E-33	-0.30784	0.477	0.691	2.06E-29	M1	CHMP2A
ACAD8.1	1.39E-33	-0.15628	0.078	0.204	2.08E-29	M1	ACAD8
E2F5.1	1.42E-33	-0.1126	0.004	0.078	2.12E-29	M1	E2F5
KTI12.2	1.47E-33	-0.17084	0.027	0.121	2.20E-29	M1	KTI12
WDR83.2	1.52E-33	-0.12764	0.07	0.191	2.27E-29	M1	WDR83
C22orf39.	1.55E-33	-0.14496	0.132	0.285	2.32E-29	M1	C22orf39
FAM69B.2	1.56E-33	-0.13291	0	0.07	2.33E-29	M1	FAM69B
NEO1.2	1.58E-33	-0.18118	0.008	0.086	2.36E-29	M1	NEO1
LMBR1.2	1.58E-33	-0.15862	0.03	0.126	2.36E-29	M1	LMBR1
NUP214.3	1.59E-33	0.488069	0.274	0.179	2.37E-29	M1	NUP214
ISOC2.4	1.60E-33	-0.20288	0.201	0.379	2.39E-29	M1	ISOC2
SFSWAP.3	1.61E-33	-0.10202	0.073	0.197	2.40E-29	M1	SFSWAP
FAM219A.1	1.66E-33	-0.1652	0.018	0.105	2.48E-29	M1	FAM219A
GAL3ST3.2	1.71E-33	-0.15797	0.001	0.071	2.56E-29	M1	GAL3ST3
MAP4K5.2	1.72E-33	-0.13298	0.059	0.174	2.57E-29	M1	MAP4K5
MEN1	1.75E-33	-0.13908	0.034	0.133	2.61E-29	M1	MEN1
EXOC1.1	1.80E-33	-0.19282	0.128	0.273	2.69E-29	M1	EXOC1
PCED1A.1	1.82E-33	-0.12977	0.043	0.148	2.73E-29	M1	PCED1A
AAAS.1	1.85E-33	-0.15151	0.081	0.207	2.76E-29	M1	AAAS
TTC28.2	1.85E-33	-0.14543	0.021	0.11	2.77E-29	M1	TTC28
ODF2.2	1.88E-33	-0.16487	0.044	0.15	2.82E-29	M1	ODF2
RNMTL1.2	1.89E-33	-0.11482	0.042	0.147	2.82E-29	M1	RNMTL1
EVA1C.3	1.92E-33	-0.15959	0.007	0.084	2.87E-29	M1	EVA1C
ENPP1	1.99E-33	0.170423	0.046	0.01	2.97E-29	M1	ENPP1

ACSL3. 2	1. 99E-33	-0. 14334	0. 193	0. 371	2. 97E-29	M1	ACSL3
DGCR2. 1	2. 04E-33	-0. 14439	0. 058	0. 171	3. 05E-29	M1	DGCR2
GART. 1	2. 09E-33	-0. 13035	0. 09	0. 222	3. 12E-29	M1	GART
XPOT. 3	2. 18E-33	-0. 14801	0. 068	0. 187	3. 26E-29	M1	XPOT
DYNLRB1. 3	2. 20E-33	-0. 23405	0. 494	0. 699	3. 28E-29	M1	DYNLRB1
TNFRSF21. 2	2. 20E-33	-0. 16686	0. 065	0. 183	3. 29E-29	M1	TNFRSF21
ST20	2. 23E-33	-0. 16304	0. 031	0. 127	3. 34E-29	M1	ST20
CTU2. 1	2. 30E-33	-0. 12654	0. 045	0. 15	3. 43E-29	M1	CTU2
RP11-111M	2. 33E-33	-0. 17731	0. 021	0. 111	3. 48E-29	M1	RP11-111M22. 3
SEPHS2. 2	2. 42E-33	-0. 17014	0. 173	0. 341	3. 61E-29	M1	SEPHS2
RRP8	2. 43E-33	-0. 17117	0. 041	0. 144	3. 63E-29	M1	RRP8
TIMM17A. 2	2. 46E-33	-0. 18432	0. 22	0. 407	3. 68E-29	M1	TIMM17A
FAM64A. 4	2. 47E-33	-0. 26773	0. 006	0. 082	3. 69E-29	M1	FAM64A
TMEM9B. 2	2. 55E-33	0. 279167	0. 554	0. 533	3. 81E-29	M1	TMEM9B
CEP95. 1	2. 56E-33	-0. 15082	0. 039	0. 141	3. 82E-29	M1	CEP95
RP11-115C	2. 56E-33	-0. 19369	0. 015	0. 099	3. 83E-29	M1	RP11-115C21. 2
BZW1. 2	2. 63E-33	-0. 23624	0. 365	0. 573	3. 93E-29	M1	BZW1
PLA2G7. 3	2. 67E-33	0. 245881	0. 105	0. 04	3. 99E-29	M1	PLA2G7
HMGB2. 4	2. 71E-33	0. 2606	0. 564	0. 48	4. 05E-29	M1	HMGB2
SSB. 3	2. 92E-33	-0. 24528	0. 409	0. 629	4. 37E-29	M1	SSB
ATMIN. 3	3. 05E-33	-0. 14592	0. 034	0. 132	4. 55E-29	M1	ATMIN
PLXNB1. 3	3. 06E-33	-0. 2063	0. 01	0. 089	4. 58E-29	M1	PLXNB1
ITGB3BP. 2	3. 08E-33	-0. 18144	0. 052	0. 161	4. 60E-29	M1	ITGB3BP
ZNF131. 3	3. 12E-33	-0. 15334	0. 114	0. 256	4. 66E-29	M1	ZNF131
SPRY4. 2	3. 13E-33	-0. 14958	0. 005	0. 08	4. 67E-29	M1	SPRY4
NRSN1. 2	3. 23E-33	-0. 19273	0. 001	0. 071	4. 83E-29	M1	NRSN1
ZZZ3. 1	3. 35E-33	-0. 15029	0. 03	0. 125	5. 00E-29	M1	ZZZ3
CNKSR2. 2	3. 35E-33	-0. 14547	0. 002	0. 074	5. 01E-29	M1	CNKSR2
PIK3CG. 2	3. 53E-33	0. 190941	0. 058	0. 015	5. 28E-29	M1	PIK3CG
DDHD2. 2	3. 54E-33	-0. 16856	0. 028	0. 121	5. 29E-29	M1	DDHD2
PDIA4. 2	3. 57E-33	-0. 2425	0. 293	0. 495	5. 34E-29	M1	PDIA4
KCNH2. 2	3. 61E-33	-0. 21837	0. 005	0. 079	5. 39E-29	M1	KCNH2
UPF3B. 2	3. 61E-33	-0. 12421	0. 127	0. 276	5. 40E-29	M1	UPF3B
PACSIN3. 2	3. 69E-33	-0. 14489	0. 006	0. 082	5. 51E-29	M1	PACSIN3
AGBL5. 1	3. 78E-33	-0. 12209	0. 014	0. 097	5. 64E-29	M1	AGBL5
ABHD17B. 4	3. 95E-33	-0. 2113	0. 041	0. 141	5. 90E-29	M1	ABHD17B
SNX2. 4	4. 00E-33	0. 367328	0. 464	0. 399	5. 97E-29	M1	SNX2
MT2A. 4	4. 03E-33	-0. 51603	0. 744	0. 792	6. 02E-29	M1	MT2A
RRS1. 1	4. 05E-33	-0. 15035	0. 051	0. 161	6. 05E-29	M1	RRS1
C2orf69. 4	4. 13E-33	-0. 14225	0. 088	0. 215	6. 17E-29	M1	C2orf69
CDK14	4. 20E-33	-0. 15957	0. 011	0. 092	6. 28E-29	M1	CDK14
KMT2E. 2	4. 26E-33	-0. 1946	0. 361	0. 573	6. 36E-29	M1	KMT2E
WDR3. 1	4. 32E-33	-0. 16248	0. 024	0. 115	6. 45E-29	M1	WDR3
MPP2. 3	4. 32E-33	-0. 17588	0. 001	0. 071	6. 45E-29	M1	MPP2
C1orf53. 2	4. 32E-33	-0. 19179	0. 014	0. 097	6. 46E-29	M1	C1orf53
IFT27. 3	4. 45E-33	-0. 13534	0. 131	0. 282	6. 65E-29	M1	IFT27
GNAI1. 3	4. 47E-33	-0. 25459	0. 029	0. 121	6. 68E-29	M1	GNAI1
SPIN2B. 2	4. 55E-33	-0. 13602	0. 028	0. 122	6. 79E-29	M1	SPIN2B
KCTD1. 2	4. 59E-33	-0. 15122	0. 004	0. 077	6. 86E-29	M1	KCTD1
RAB30. 2	4. 61E-33	-0. 15894	0. 01	0. 089	6. 89E-29	M1	RAB30
VANGL2. 2	4. 78E-33	-0. 15849	0. 008	0. 086	7. 15E-29	M1	VANGL2

FRMD5.1	4.84E-33	-0.13433	0	0.069	7.23E-29	M1	FRMD5
CHGB.1	5.00E-33	-0.23695	0.017	0.101	7.47E-29	M1	CHGB
SLC25A29.	5.07E-33	-0.12246	0.058	0.171	7.58E-29	M1	SLC25A29
ZNF226.4	5.55E-33	-0.20854	0.095	0.226	8.30E-29	M1	ZNF226
BCAS4.2	5.62E-33	-0.14414	0.016	0.1	8.40E-29	M1	BCAS4
COL5A2.2	5.64E-33	-0.12725	0.003	0.074	8.42E-29	M1	COL5A2
CDK5.2	5.72E-33	-0.1308	0.118	0.262	8.55E-29	M1	CDK5
UBE3A.3	5.81E-33	-0.14484	0.153	0.314	8.68E-29	M1	UBE3A
LRRC41.1	5.91E-33	-0.16871	0.12	0.265	8.83E-29	M1	LRRC41
SHC4.1	6.07E-33	-0.16497	0	0.069	9.07E-29	M1	SHC4
GPRASP2.2	6.20E-33	-0.17579	0.004	0.077	9.27E-29	M1	GPRASP2
DMAP1.2	6.24E-33	-0.14309	0.127	0.276	9.33E-29	M1	DMAP1
CCDC58.2	6.36E-33	-0.13531	0.052	0.162	9.50E-29	M1	CCDC58
TXNL1.1	6.46E-33	-0.21813	0.298	0.506	9.65E-29	M1	TXNL1
PCDH10.2	6.47E-33	-0.16241	0.006	0.08	9.67E-29	M1	PCDH10
CHEK1	6.80E-33	-0.18454	0.013	0.094	1.02E-28	M1	CHEK1
MCCC2.1	6.81E-33	-0.14173	0.046	0.151	1.02E-28	M1	MCCC2
KANK1.2	6.91E-33	-0.20055	0.02	0.106	1.03E-28	M1	KANK1
LIN7B.2	6.95E-33	-0.15092	0.039	0.139	1.04E-28	M1	LIN7B
GNB4.3	7.29E-33	0.432397	0.304	0.218	1.09E-28	M1	GNB4
UBA5.1	7.54E-33	-0.15233	0.08	0.205	1.13E-28	M1	UBA5
DIRAS2.2	7.79E-33	-0.17868	0.003	0.075	1.16E-28	M1	DIRAS2
HES4.4	7.80E-33	-0.17763	0.083	0.208	1.17E-28	M1	HES4
UNK	7.80E-33	-0.13766	0.041	0.144	1.17E-28	M1	UNK
PCDH19.2	7.85E-33	-0.14013	0.002	0.072	1.17E-28	M1	PCDH19
SLC4A1AP.	7.90E-33	-0.15122	0.074	0.196	1.18E-28	M1	SLC4A1AP
PNMAL1.3	7.90E-33	-0.11991	0.022	0.111	1.18E-28	M1	PNMAL1
MED24.3	8.34E-33	-0.15594	0.07	0.188	1.25E-28	M1	MED24
UQCRQ.4	8.35E-33	-0.2441	0.686	0.822	1.25E-28	M1	UQCRQ
SETBP1.2	8.41E-33	-0.16086	0.009	0.087	1.26E-28	M1	SETBP1
COA1.1	8.43E-33	-0.13795	0.234	0.43	1.26E-28	M1	COA1
TNKS1BP1.	8.58E-33	-0.12811	0.009	0.086	1.28E-28	M1	TNKS1BP1
SRD5A1.1	8.75E-33	-0.16754	0.031	0.126	1.31E-28	M1	SRD5A1
MEX3C.1	8.78E-33	-0.13339	0.021	0.109	1.31E-28	M1	MEX3C
RRAGD.2	8.82E-33	-0.14017	0.043	0.147	1.32E-28	M1	RRAGD
C1QBP.2	8.89E-33	-0.24412	0.397	0.586	1.33E-28	M1	C1QBP
ZFP90.3	9.21E-33	-0.11446	0.044	0.148	1.38E-28	M1	ZFP90
SIKE1.1	9.23E-33	-0.12711	0.083	0.209	1.38E-28	M1	SIKE1
RIC8B.2	9.50E-33	-0.16997	0.02	0.107	1.42E-28	M1	RIC8B
RP11-277F	9.89E-33	-0.23318	0.006	0.08	1.48E-28	M1	RP11-277P12.20
FAM213B.1	1.02E-32	-0.15836	0.018	0.103	1.52E-28	M1	FAM213B
RIN1.3	1.03E-32	-0.12968	0.014	0.096	1.54E-28	M1	RIN1
NOL10.1	1.03E-32	-0.16153	0.061	0.174	1.54E-28	M1	NOL10
GHRL.4	1.06E-32	0.361501	0.111	0.046	1.58E-28	M1	GHRL
SNHG10.1	1.07E-32	-0.1369	0.021	0.109	1.60E-28	M1	SNHG10
UBL5.3	1.11E-32	-0.27342	0.732	0.851	1.66E-28	M1	UBL5
SEC61A2	1.14E-32	-0.16156	0.013	0.093	1.70E-28	M1	SEC61A2
PLEKHJ1.2	1.15E-32	-0.13461	0.212	0.397	1.72E-28	M1	PLEKHJ1
FARSA.1	1.16E-32	-0.15175	0.177	0.348	1.73E-28	M1	FARSA
MIR497HG.	1.17E-32	-0.2412	0.006	0.08	1.74E-28	M1	MIR497HG
RP11-212F	1.18E-32	-0.14464	0.019	0.106	1.76E-28	M1	RP11-212P7.2

UCKL1.1	1.23E-32	-0.12441	0.062	0.177	1.84E-28	M1	UCKL1
NAA15.2	1.25E-32	-0.15981	0.103	0.238	1.87E-28	M1	NAA15
ACTR2.4	1.26E-32	0.3324	0.492	0.452	1.88E-28	M1	ACTR2
PBRM1.3	1.27E-32	-0.12522	0.12	0.264	1.89E-28	M1	PBRM1
FBX09.3	1.27E-32	-0.12786	0.096	0.228	1.90E-28	M1	FBX09
NFATC1.4	1.27E-32	0.328241	0.105	0.042	1.90E-28	M1	NFATC1
ZDHHC15.2	1.28E-32	-0.14798	0.002	0.072	1.91E-28	M1	ZDHHC15
FOXRED2.1	1.28E-32	-0.13755	0.014	0.096	1.91E-28	M1	FOXRED2
YBEY.1	1.29E-32	-0.16266	0.107	0.244	1.92E-28	M1	YBEY
CROT.3	1.30E-32	-0.17197	0.046	0.149	1.94E-28	M1	CROT
BDP1.1	1.34E-32	-0.14213	0.124	0.269	2.00E-28	M1	BDP1
PREB.2	1.34E-32	-0.13518	0.098	0.232	2.01E-28	M1	PREB
DNTTIP1.1	1.35E-32	-0.14682	0.185	0.359	2.02E-28	M1	DNTTIP1
ZNF770.1	1.39E-32	-0.12704	0.044	0.147	2.07E-28	M1	ZNF770
SLC52A2.2	1.41E-32	-0.14236	0.148	0.307	2.10E-28	M1	SLC52A2
PDGFC.1	1.42E-32	-0.13104	0.037	0.136	2.12E-28	M1	PDGFC
KIAA0895L	1.43E-32	-0.18301	0.02	0.106	2.13E-28	M1	KIAA0895L
GPANK1.2	1.54E-32	-0.13796	0.087	0.214	2.30E-28	M1	GPANK1
GS1-124K5	1.55E-32	-0.20713	0.034	0.13	2.32E-28	M1	GS1-124K5.4
SMIM14.2	1.55E-32	-0.17915	0.187	0.359	2.32E-28	M1	SMIM14
CIITA.1	1.60E-32	0.246084	0.084	0.028	2.39E-28	M1	CIITA
SLC39A3.3	1.64E-32	-0.15702	0.192	0.367	2.44E-28	M1	SLC39A3
MATN2.1	1.65E-32	-0.19469	0.005	0.078	2.46E-28	M1	MATN2
LPGAT1.3	1.67E-32	-0.16227	0.043	0.145	2.50E-28	M1	LPGAT1
YPEL1.4	1.77E-32	-0.12787	0.021	0.108	2.64E-28	M1	YPEL1
AAR2.1	1.81E-32	-0.13815	0.048	0.154	2.71E-28	M1	AAR2
INTS12.2	1.84E-32	-0.1728	0.068	0.184	2.76E-28	M1	INTS12
HSDL1.3	2.00E-32	-0.18397	0.045	0.148	2.99E-28	M1	HSDL1
DIAPH1.3	2.02E-32	-0.13948	0.05	0.156	3.01E-28	M1	DIAPH1
NIM1K.3	2.03E-32	-0.19755	0.004	0.076	3.03E-28	M1	NIM1K
TNFRSF10E	2.05E-32	0.383499	0.17	0.089	3.06E-28	M1	TNFRSF10B
SCO1.1	2.06E-32	-0.12253	0.068	0.186	3.08E-28	M1	SCO1
MCAT.3	2.09E-32	-0.13557	0.043	0.146	3.13E-28	M1	MCAT
DRG2.2	2.10E-32	-0.13815	0.092	0.222	3.14E-28	M1	DRG2
CCDC93.2	2.15E-32	-0.18131	0.043	0.144	3.21E-28	M1	CCDC93
FMN1.3	2.20E-32	0.2412	0.075	0.024	3.28E-28	M1	FMN1
BDNF-AS.3	2.25E-32	-0.16412	0.004	0.076	3.36E-28	M1	BDNF-AS
ACY3.1	2.25E-32	0.246067	0.052	0.012	3.36E-28	M1	ACY3
AP1M1.1	2.25E-32	-0.12833	0.108	0.246	3.37E-28	M1	AP1M1
OSBPL2.2	2.28E-32	-0.13502	0.046	0.151	3.40E-28	M1	OSBPL2
TBC1D24.2	2.31E-32	-0.164	0.008	0.084	3.45E-28	M1	TBC1D24
PSMC3IP.3	2.33E-32	-0.18221	0.008	0.083	3.49E-28	M1	PSMC3IP
SIAE.2	2.36E-32	-0.17934	0.019	0.104	3.53E-28	M1	SIAE
RP11-698N	2.43E-32	-0.19106	0.001	0.07	3.64E-28	M1	RP11-698N11.2
ITGB2-AS1	2.57E-32	0.259689	0.068	0.02	3.84E-28	M1	ITGB2-AS1
TNFRSF12A	2.57E-32	-0.31501	0.172	0.31	3.84E-28	M1	TNFRSF12A
BBS7.2	2.63E-32	-0.1656	0.023	0.111	3.93E-28	M1	BBS7
TMEM88.1	2.64E-32	0.202143	0.059	0.015	3.95E-28	M1	TMEM88
ASNA1.3	2.71E-32	-0.21434	0.345	0.554	4.05E-28	M1	ASNA1
RNF14.2	2.74E-32	-0.11743	0.088	0.216	4.09E-28	M1	RNF14
MUS81.1	2.81E-32	-0.12046	0.073	0.194	4.20E-28	M1	MUS81



ZNF420.2	2.82E-32	-0.1678	0.03	0.122	4.22E-28	M1	ZNF420
ZMYND15.2	2.84E-32	0.321363	0.111	0.046	4.24E-28	M1	ZMYND15
SYNDIG1.4	3.04E-32	0.371326	0.154	0.076	4.54E-28	M1	SYNDIG1
CD82.2	3.05E-32	-0.26271	0.126	0.262	4.56E-28	M1	CD82
HEY2	3.05E-32	-0.13683	0.004	0.076	4.56E-28	M1	HEY2
WRNIP1.1	3.09E-32	-0.12581	0.027	0.118	4.62E-28	M1	WRNIP1
CBFA2T2.3	3.11E-32	-0.12087	0.043	0.145	4.65E-28	M1	CBFA2T2
EIF3F.4	3.17E-32	0.216039	0.609	0.605	4.74E-28	M1	EIF3F
PDLIM4.2	3.20E-32	-0.30529	0.009	0.085	4.79E-28	M1	PDLIM4
TRIM16L.1	3.23E-32	-0.13754	0.009	0.086	4.82E-28	M1	TRIM16L
ZNF649.3	3.26E-32	-0.13414	0.019	0.104	4.88E-28	M1	ZNF649
YIF1A.3	3.30E-32	-0.22458	0.265	0.456	4.93E-28	M1	YIF1A
RP11-195F	3.30E-32	-0.235	0.02	0.105	4.94E-28	M1	RP11-195F19.5
TAF15.2	3.36E-32	-0.17624	0.145	0.299	5.02E-28	M1	TAF15
GSG1L.1	3.39E-32	-0.22021	0.002	0.07	5.06E-28	M1	GSG1L
RPP40.3	3.41E-32	-0.18194	0.037	0.135	5.09E-28	M1	RPP40
TARBP2.2	3.43E-32	-0.11064	0.055	0.165	5.12E-28	M1	TARBP2
MSX1.2	3.45E-32	-0.14798	0.005	0.077	5.16E-28	M1	MSX1
EBPL.2	3.46E-32	-0.18832	0.167	0.329	5.16E-28	M1	EBPL
XXYLT1.2	3.47E-32	-0.11905	0.042	0.143	5.19E-28	M1	XXYLT1
ZNF714.1	3.64E-32	-0.20242	0.028	0.118	5.44E-28	M1	ZNF714
SNAPC3.2	3.69E-32	-0.14847	0.048	0.153	5.51E-28	M1	SNAPC3
NPRL2.2	3.77E-32	-0.15697	0.064	0.176	5.64E-28	M1	NPRL2
AP2A1.2	3.83E-32	-0.12065	0.117	0.26	5.73E-28	M1	AP2A1
ZNF267.4	3.88E-32	0.447463	0.203	0.118	5.80E-28	M1	ZNF267
PTPN11.1	3.91E-32	-0.14112	0.057	0.167	5.84E-28	M1	PTPN11
NADK2.1	4.00E-32	-0.13251	0.025	0.114	5.97E-28	M1	NADK2
GPX8.3	4.12E-32	-0.14418	0.004	0.075	6.15E-28	M1	GPX8
POM121C.3	4.35E-32	-0.144	0.051	0.158	6.51E-28	M1	POM121C
LYRM9.3	4.48E-32	-0.1759	0.074	0.193	6.70E-28	M1	LYRM9
INO80E.2	4.50E-32	-0.13011	0.111	0.249	6.72E-28	M1	INO80E
RRN3	4.54E-32	-0.18204	0.048	0.151	6.78E-28	M1	RRN3
TLL1.1	4.56E-32	-0.17326	0.02	0.105	6.82E-28	M1	TLL1
PCOLCE.3	4.61E-32	-0.24187	0.014	0.095	6.89E-28	M1	PCOLCE
SEC23A.1	4.62E-32	-0.128	0.088	0.214	6.90E-28	M1	SEC23A
TMEM8B	4.68E-32	-0.1374	0.004	0.074	6.99E-28	M1	TMEM8B
CD48.4	4.69E-32	0.284792	0.143	0.065	7.00E-28	M1	CD48
CCAR2.1	4.90E-32	-0.18557	0.056	0.165	7.33E-28	M1	CCAR2
B3GALNT1.4	4.97E-32	-0.14433	0.082	0.204	7.43E-28	M1	B3GALNT1
HELZ2.3	5.01E-32	-0.11643	0.025	0.115	7.49E-28	M1	HELZ2
ZNF790.1	5.10E-32	-0.17628	0.022	0.109	7.62E-28	M1	ZNF790
FAM46A.1	5.24E-32	-0.1346	0.09	0.217	7.83E-28	M1	FAM46A
NANOS3.2	5.36E-32	-0.14815	0.004	0.074	8.01E-28	M1	NANOS3
CENPT.2	5.37E-32	-0.10248	0.085	0.211	8.02E-28	M1	CENPT
CSTB.2	5.42E-32	0.135677	0.706	0.687	8.10E-28	M1	CSTB
KANK2.1	5.63E-32	-0.11004	0.02	0.105	8.42E-28	M1	KANK2
ACACA.1	5.64E-32	-0.1299	0.021	0.108	8.43E-28	M1	ACACA
ALG14.2	5.66E-32	-0.15881	0.06	0.17	8.47E-28	M1	ALG14
AC091729.5	5.72E-32	-0.16037	0.014	0.094	8.54E-28	M1	AC091729.9
NMT2.3	5.95E-32	-0.1708	0.024	0.113	8.89E-28	M1	NMT2
AP5S1.1	5.96E-32	-0.12965	0.024	0.112	8.91E-28	M1	AP5S1

NKIRAS2.1	6.20E-32	-0.1159	0.137	0.289	9.26E-28	M1	NKIRAS2
OXR1.3	6.20E-32	-0.13461	0.129	0.276	9.26E-28	M1	OXR1
BIK.1	6.21E-32	0.169381	0.039	0.007	9.29E-28	M1	BIK
ERBB2IP.3	6.27E-32	-0.14174	0.107	0.244	9.37E-28	M1	ERBB2IP
CECR5.3	6.64E-32	-0.16621	0.129	0.276	9.92E-28	M1	CECR5
LUC7L.2	6.70E-32	-0.12087	0.124	0.27	1.00E-27	M1	LUC7L
ZFAND2A.4	6.76E-32	-0.15033	0.153	0.309	1.01E-27	M1	ZFAND2A
KIAA0101.7	0.2E-32	-0.24585	0.038	0.133	1.05E-27	M1	KIAA0101
GPALPP1.2	7.18E-32	-0.12727	0.039	0.137	1.07E-27	M1	GPALPP1
ARHGAP35.7	2.2E-32	-0.10168	0.055	0.165	1.08E-27	M1	ARHGAP35
BMPR2.2	7.27E-32	-0.11578	0.077	0.198	1.09E-27	M1	BMPR2
CEP97.2	7.27E-32	-0.17414	0.011	0.089	1.09E-27	M1	CEP97
TBC1D2B.3	7.41E-32	0.321596	0.103	0.041	1.11E-27	M1	TBC1D2B
NUP35.1	7.41E-32	-0.20041	0.034	0.128	1.11E-27	M1	NUP35
CUEDC1.4	7.45E-32	-0.12593	0.035	0.131	1.11E-27	M1	CUEDC1
PRADC1.3	7.54E-32	-0.15349	0.105	0.239	1.13E-27	M1	PRADC1
VPS4A.2	7.63E-32	-0.11625	0.169	0.336	1.14E-27	M1	VPS4A
PLEKHH2.1	7.72E-32	-0.13388	0.007	0.081	1.15E-27	M1	PLEKHH2
PARD3.2	7.92E-32	-0.12067	0.002	0.071	1.18E-27	M1	PARD3
ZNF528.2	7.98E-32	-0.14356	0.031	0.123	1.19E-27	M1	ZNF528
SRRD.3	8.50E-32	-0.11414	0.036	0.132	1.27E-27	M1	SRRD
EPS15L1.8	5.2E-32	-0.11356	0.069	0.185	1.27E-27	M1	EPS15L1
YIPF6.3	9.09E-32	-0.11969	0.173	0.341	1.36E-27	M1	YIPF6
TUSC2.3	9.30E-32	-0.14693	0.191	0.364	1.39E-27	M1	TUSC2
PVRL1.3	9.39E-32	-0.19934	0.003	0.073	1.40E-27	M1	PVRL1
RHO.3	9.66E-32	-0.22986	0.049	0.151	1.44E-27	M1	RHO
FAM192A.2	9.67E-32	-0.15855	0.207	0.388	1.44E-27	M1	FAM192A
TMEM50B.2	9.74E-32	-0.14969	0.167	0.33	1.46E-27	M1	TMEM50B
IP6K1.1	9.89E-32	-0.13978	0.059	0.17	1.48E-27	M1	IP6K1
ZFP14.2	9.97E-32	-0.1811	0.033	0.127	1.49E-27	M1	ZFP14
TLR6.1	1.00E-31	0.200629	0.051	0.012	1.50E-27	M1	TLR6
EBAG9.2	1.03E-31	-0.15234	0.131	0.277	1.54E-27	M1	EBAG9
DIS3.1	1.08E-31	-0.14305	0.059	0.169	1.62E-27	M1	DIS3
PRMT6.1	1.12E-31	-0.13799	0.021	0.106	1.67E-27	M1	PRMT6
RAPGEF1.2	1.16E-31	0.394462	0.186	0.103	1.73E-27	M1	RAPGEF1
UBN2.1	1.16E-31	-0.11919	0.032	0.125	1.73E-27	M1	UBN2
CEP78.3	1.16E-31	-0.13924	0.035	0.129	1.74E-27	M1	CEP78
ZNF512B.3	1.17E-31	-0.12469	0.01	0.087	1.75E-27	M1	ZNF512B
HGS.3	1.23E-31	-0.12816	0.104	0.239	1.83E-27	M1	HGS
XPR1.2	1.24E-31	-0.16584	0.042	0.142	1.85E-27	M1	XPR1
C11orf68.1	2.5E-31	-0.13954	0.03	0.122	1.86E-27	M1	C11orf68
ZNF577.3	1.27E-31	-0.11537	0.021	0.106	1.89E-27	M1	ZNF577
NELFE.1	1.31E-31	-0.154	0.222	0.408	1.96E-27	M1	NELFE
ISYNA1.2	1.34E-31	-0.14644	0.048	0.151	2.01E-27	M1	ISYNA1
EXT2.3	1.37E-31	-0.114	0.073	0.191	2.04E-27	M1	EXT2
PDPK1.3	1.41E-31	-0.10491	0.084	0.208	2.11E-27	M1	PDPK1
ABHD12.3	1.46E-31	0.335044	0.431	0.371	2.19E-27	M1	ABHD12
TPRKB.2	1.47E-31	-0.20295	0.216	0.393	2.20E-27	M1	TPRKB
KHDC1.3	1.51E-31	-0.197	0.005	0.076	2.26E-27	M1	KHDC1
TOP2A.4	1.56E-31	-0.32653	0.018	0.1	2.33E-27	M1	TOP2A
SS18L1.1	1.57E-31	-0.13307	0.02	0.104	2.35E-27	M1	SS18L1

TOMM70A.3	1.67E-31	-0.10806	0.042	0.142	2.49E-27	M1	TOMM70A
C6orf48.2	1.71E-31	0.18295	0.657	0.645	2.56E-27	M1	C6orf48
TARSL2.3	1.74E-31	-0.16783	0.033	0.126	2.59E-27	M1	TARSL2
FAM129B.2	1.75E-31	-0.17028	0.01	0.086	2.61E-27	M1	FAM129B
CDCA4.2	1.77E-31	-0.18077	0.019	0.102	2.64E-27	M1	CDCA4
FAM174A.2	1.77E-31	-0.13534	0.109	0.245	2.64E-27	M1	FAM174A
SRPX2.2	1.77E-31	-0.24707	0.002	0.069	2.65E-27	M1	SRPX2
PPP1R14C.1	1.81E-31	-0.14338	0.003	0.072	2.71E-27	M1	PPP1R14C
ARHGAP33.1	1.84E-31	-0.17743	0.015	0.095	2.75E-27	M1	ARHGAP33
CRNKL1.2	1.84E-31	-0.10698	0.059	0.169	2.76E-27	M1	CRNKL1
GNAZ.2	1.86E-31	-0.18157	0.003	0.072	2.78E-27	M1	GNAZ
TRPM3.3	1.87E-31	-0.13417	0.008	0.081	2.79E-27	M1	TRPM3
ZMYM4.2	1.92E-31	-0.12713	0.042	0.142	2.87E-27	M1	ZMYM4
GOSR1.3	1.97E-31	-0.12507	0.141	0.293	2.94E-27	M1	GOSR1
SIK3.3	2.02E-31	-0.1521	0.03	0.121	3.02E-27	M1	SIK3
DNASE1L1.2	2.05E-31	0.330838	0.132	0.06	3.06E-27	M1	DNASE1L1
TMEM177.3	2.05E-31	-0.16882	0.013	0.092	3.07E-27	M1	TMEM177
USP10.1	2.08E-31	-0.12731	0.123	0.267	3.10E-27	M1	USP10
TMEM209.2	2.16E-31	-0.11969	0.037	0.134	3.22E-27	M1	TMEM209
DPY30.2	2.17E-31	-0.17839	0.32	0.53	3.25E-27	M1	DPY30
LENG8.1	2.20E-31	-0.12178	0.11	0.246	3.29E-27	M1	LENG8
TXNDC9.1	2.22E-31	-0.16809	0.138	0.285	3.31E-27	M1	TXNDC9
EIF5B.2	2.22E-31	-0.22774	0.345	0.557	3.32E-27	M1	EIF5B
ERBB4.3	2.25E-31	-0.21985	0.002	0.07	3.36E-27	M1	ERBB4
RAB2A.1	2.25E-31	-0.23378	0.419	0.626	3.36E-27	M1	RAB2A
FAM212B.3	2.30E-31	-0.11971	0.025	0.114	3.44E-27	M1	FAM212B
LAYN.3	2.37E-31	-0.1406	0.001	0.068	3.55E-27	M1	LAYN
STX7.4	2.39E-31	0.443299	0.338	0.253	3.58E-27	M1	STX7
PELO.3	2.42E-31	-0.18328	0.031	0.122	3.62E-27	M1	PELO
PUS3.2	2.46E-31	-0.15559	0.035	0.13	3.68E-27	M1	PUS3
PHF20L1.3	2.49E-31	-0.14082	0.171	0.335	3.72E-27	M1	PHF20L1
RP11-398K	2.55E-31	-0.14017	0.012	0.089	3.81E-27	M1	RP11-398K22.12
GLRB.2	2.62E-31	-0.1517	0.003	0.071	3.92E-27	M1	GLRB
CYTIP.4	2.62E-31	0.280181	0.177	0.089	3.92E-27	M1	CYTIP
CPNE2.4	2.68E-31	-0.17168	0.078	0.197	4.01E-27	M1	CPNE2
ZNF273.3	2.68E-31	-0.19619	0.017	0.098	4.01E-27	M1	ZNF273
SLC2A6.1	2.69E-31	-0.14064	0.009	0.083	4.01E-27	M1	SLC2A6
ARHGAP32.2	2.69E-31	-0.15124	0.017	0.098	4.02E-27	M1	ARHGAP32
TSC22D2.3	2.70E-31	0.418005	0.228	0.142	4.04E-27	M1	TSC22D2
RFC3.2	2.74E-31	-0.18164	0.019	0.101	4.09E-27	M1	RFC3
CHI3L1.4	2.77E-31	-0.70333	0.404	0.548	4.14E-27	M1	CHI3L1
ZNF430.1	2.79E-31	-0.16099	0.087	0.21	4.17E-27	M1	ZNF430
UBE20.3	2.82E-31	-0.10706	0.037	0.133	4.22E-27	M1	UBE20
COPB2.3	2.89E-31	-0.19454	0.172	0.333	4.32E-27	M1	COPB2
UBALD1.2	2.90E-31	-0.10085	0.07	0.187	4.33E-27	M1	UBALD1
NFAM1.3	2.94E-31	0.221953	0.077	0.025	4.39E-27	M1	NFAM1
RGAG4.1	2.95E-31	-0.12489	0.004	0.074	4.41E-27	M1	RGAG4
STX1A.2	3.00E-31	-0.22076	0.007	0.08	4.48E-27	M1	STX1A
ADAM22.3	3.03E-31	-0.18667	0.005	0.075	4.53E-27	M1	ADAM22
SCAF1.3	3.04E-31	-0.12015	0.061	0.172	4.54E-27	M1	SCAF1
HNRNPLL.2	3.10E-31	-0.15752	0.088	0.211	4.64E-27	M1	HNRNPLL

ZNF300.3	3.15E-31	-0.18289	0.008	0.082	4.71E-27	M1	ZNF300
Clorf35.3	3.20E-31	-0.15081	0.139	0.288	4.78E-27	M1	Clorf35
LRRC8C.4	3.23E-31	0.293713	0.113	0.048	4.83E-27	M1	LRRC8C
DPY19L3.2	3.26E-31	-0.14431	0.019	0.102	4.87E-27	M1	DPY19L3
TCTA.1	3.35E-31	-0.16472	0.067	0.18	5.01E-27	M1	TCTA
VPS37D.2	3.51E-31	-0.16975	0.003	0.071	5.24E-27	M1	VPS37D
TRMU	3.51E-31	-0.13495	0.047	0.149	5.25E-27	M1	TRMU
EYA4.2	3.68E-31	-0.11205	0.002	0.068	5.51E-27	M1	EYA4
SMIM18.3	3.72E-31	-0.22571	0.004	0.072	5.56E-27	M1	SMIM18
TMEM63B.1	3.80E-31	-0.10105	0.049	0.153	5.67E-27	M1	TMEM63B
RABL6.3	4.06E-31	-0.10944	0.125	0.271	6.06E-27	M1	RABL6
AIMP2.2	4.11E-31	-0.16184	0.124	0.264	6.14E-27	M1	AIMP2
POLR2D.1	4.20E-31	-0.13175	0.051	0.156	6.27E-27	M1	POLR2D
NCDN.1	4.23E-31	-0.1411	0.02	0.104	6.32E-27	M1	NCDN
ATRN.1	4.25E-31	-0.12147	0.042	0.141	6.35E-27	M1	ATRN
RAB6B.3	4.34E-31	-0.15335	0.006	0.077	6.49E-27	M1	RAB6B
ARHGEF25.4	4.44E-31	-0.19055	0.006	0.077	6.64E-27	M1	ARHGEF25
LNX1.1	4.44E-31	-0.22095	0.008	0.081	6.64E-27	M1	LNX1
ZFHx3.3	4.53E-31	0.444678	0.267	0.181	6.77E-27	M1	ZFHx3
ADAL	4.56E-31	-0.12148	0.035	0.13	6.81E-27	M1	ADAL
OGFOD3.3	4.60E-31	-0.15648	0.11	0.244	6.87E-27	M1	OGFOD3
CBX8.2	4.69E-31	-0.14544	0.01	0.084	7.01E-27	M1	CBX8
MAPKAPK3.4	4.79E-31	0.380245	0.245	0.156	7.16E-27	M1	MAPKAPK3
EIF3J-AS1	4.84E-31	-0.11275	0.044	0.144	7.24E-27	M1	EIF3J-AS1
DCK.4	4.91E-31	0.44032	0.334	0.253	7.34E-27	M1	DCK
NFS1.2	5.13E-31	-0.10345	0.048	0.151	7.66E-27	M1	NFS1
CAMK1.3	5.14E-31	-0.14936	0.113	0.248	7.68E-27	M1	CAMK1
TMEM68.2	5.57E-31	-0.13683	0.071	0.186	8.33E-27	M1	TMEM68
PTPRG.1	5.76E-31	-0.14714	0.01	0.085	8.60E-27	M1	PTPRG
CAPRIN2.2	5.82E-31	-0.11518	0.029	0.119	8.69E-27	M1	CAPRIN2
CDYL.4	5.86E-31	-0.1008	0.036	0.131	8.76E-27	M1	CDYL
MFAP1.2	5.94E-31	-0.14845	0.075	0.193	8.87E-27	M1	MFAP1
BTBD10.2	6.09E-31	-0.14311	0.08	0.201	9.10E-27	M1	BTBD10
EIF2B5.1	6.10E-31	-0.12588	0.083	0.204	9.12E-27	M1	EIF2B5
SSFA2.2	6.20E-31	-0.12135	0.084	0.206	9.26E-27	M1	SSFA2
IGSF11.2	6.21E-31	-0.15025	0.007	0.079	9.28E-27	M1	IGSF11
DNAJC30.2	6.28E-31	-0.15763	0.063	0.172	9.38E-27	M1	DNAJC30
MOAP1.2	6.38E-31	-0.13492	0.106	0.24	9.54E-27	M1	MOAP1
AARSD1.1	6.54E-31	-0.14942	0.03	0.12	9.77E-27	M1	AARSD1
KLHL22.1	6.66E-31	-0.16484	0.019	0.101	9.95E-27	M1	KLHL22
ANKRA2.1	6.69E-31	-0.14507	0.058	0.165	9.99E-27	M1	ANKRA2
C2orf76.1	6.75E-31	-0.15048	0.069	0.183	1.01E-26	M1	C2orf76
ZNF786.2	6.78E-31	-0.1617	0.01	0.084	1.01E-26	M1	ZNF786
MED13.2	6.78E-31	-0.1008	0.066	0.18	1.01E-26	M1	MED13
ZNF584.2	6.84E-31	-0.12802	0.018	0.1	1.02E-26	M1	ZNF584
RAN.3	6.86E-31	-0.24699	0.614	0.785	1.03E-26	M1	RAN
GTF3C1.1	6.91E-31	-0.14151	0.031	0.122	1.03E-26	M1	GTF3C1
ARMCX3.2	7.14E-31	-0.15302	0.264	0.463	1.07E-26	M1	ARMCX3
ANTXR1.2	7.42E-31	-0.14345	0.021	0.104	1.11E-26	M1	ANTXR1
SPIRE1.1	7.50E-31	-0.13167	0.025	0.112	1.12E-26	M1	SPIRE1
SLC9A3R1.7	7.57E-31	-0.13613	0.06	0.168	1.13E-26	M1	SLC9A3R1

WDR73. 2	7. 74E-31	-0. 10644	0. 053	0. 159	1. 16E-26	M1	WDR73
BPHL. 2	7. 85E-31	-0. 14588	0. 076	0. 194	1. 17E-26	M1	BPHL
MKRN2	7. 85E-31	-0. 1359	0. 061	0. 17	1. 17E-26	M1	MKRN2
CD99L2. 3	7. 92E-31	-0. 16314	0. 046	0. 147	1. 18E-26	M1	CD99L2
ZNF334. 1	8. 08E-31	-0. 13209	0. 01	0. 085	1. 21E-26	M1	ZNF334
TMEM186. 3	8. 09E-31	-0. 16409	0. 025	0. 111	1. 21E-26	M1	TMEM186
CARKD. 3	8. 09E-31	-0. 16574	0. 046	0. 146	1. 21E-26	M1	CARKD
LRPAP1. 2	8. 35E-31	0. 257914	0. 571	0. 542	1. 25E-26	M1	LRPAP1
ZNF395. 2	8. 47E-31	-0. 18724	0. 006	0. 076	1. 27E-26	M1	ZNF395
LRRFIP2. 2	8. 74E-31	-0. 10289	0. 085	0. 208	1. 31E-26	M1	LRRFIP2
DCTN1. 3	9. 30E-31	-0. 16484	0. 107	0. 237	1. 39E-26	M1	DCTN1
PLEKHG1	9. 41E-31	-0. 11432	0. 001	0. 066	1. 41E-26	M1	PLEKHG1
DRG1. 1	9. 82E-31	-0. 11421	0. 127	0. 269	1. 47E-26	M1	DRG1
FAT3. 2	9. 85E-31	-0. 1403	0. 002	0. 067	1. 47E-26	M1	FAT3
CBX4. 4	9. 87E-31	-0. 18449	0. 037	0. 131	1. 47E-26	M1	CBX4
RERE. 3	1. 01E-30	-0. 11786	0. 102	0. 232	1. 50E-26	M1	RERE
B4GALT3. 1	1. 06E-30	-0. 13949	0. 107	0. 24	1. 58E-26	M1	B4GALT3
TOM1L1. 2	1. 07E-30	-0. 11768	0. 002	0. 068	1. 59E-26	M1	TOM1L1
MGLL. 3	1. 07E-30	-0. 20287	0. 058	0. 163	1. 60E-26	M1	MGLL
KLF12. 3	1. 09E-30	-0. 16253	0. 018	0. 098	1. 63E-26	M1	KLF12
NOTCH3. 1	1. 11E-30	-0. 10175	0. 004	0. 072	1. 66E-26	M1	NOTCH3
RP13-1032	1. 12E-30	-0. 13253	0. 014	0. 092	1. 67E-26	M1	RP13-1032I1. 7
RRM2. 3	1. 12E-30	-0. 26994	0. 005	0. 074	1. 68E-26	M1	RRM2
PSMD7. 1	1. 18E-30	-0. 19896	0. 316	0. 525	1. 77E-26	M1	PSMD7
SMAD4. 2	1. 19E-30	-0. 10706	0. 041	0. 138	1. 77E-26	M1	SMAD4
GNL3. 2	1. 22E-30	-0. 19106	0. 204	0. 374	1. 82E-26	M1	GNL3
PGRMC2. 3	1. 24E-30	-0. 12805	0. 113	0. 248	1. 85E-26	M1	PGRMC2
DPYSL2. 3	1. 28E-30	-0. 21298	0. 27	0. 454	1. 91E-26	M1	DPYSL2
OSCP1. 3	1. 28E-30	-0. 14512	0. 007	0. 078	1. 91E-26	M1	OSCP1
PRMT1. 1	1. 29E-30	-0. 22221	0. 378	0. 589	1. 93E-26	M1	PRMT1
NPHP3. 1	1. 31E-30	-0. 12148	0. 033	0. 124	1. 96E-26	M1	NPHP3
PTRH1. 2	1. 33E-30	-0. 10961	0. 085	0. 207	1. 99E-26	M1	PTRH1
MKKS. 2	1. 35E-30	-0. 13364	0. 247	0. 436	2. 01E-26	M1	MKKS
TES. 4	1. 38E-30	0. 297092	0. 095	0. 036	2. 06E-26	M1	TES
SAMD10. 1	1. 41E-30	-0. 13345	0. 002	0. 068	2. 11E-26	M1	SAMD10
ORMDL3. 2	1. 44E-30	-0. 1741	0. 045	0. 143	2. 16E-26	M1	ORMDL3
NKX2-5. 2	1. 51E-30	-0. 22854	0. 006	0. 076	2. 26E-26	M1	NKX2-5
FH. 1	1. 52E-30	-0. 16147	0. 113	0. 248	2. 27E-26	M1	FH
C17orf89. 1	1. 56E-30	-0. 2183	0. 273	0. 451	2. 33E-26	M1	C17orf89
METTL16. 2	1. 65E-30	-0. 12907	0. 033	0. 124	2. 46E-26	M1	METTL16
INADL. 3	1. 70E-30	-0. 19613	0. 008	0. 079	2. 55E-26	M1	INADL
CNPY4. 3	1. 74E-30	-0. 13854	0. 035	0. 128	2. 59E-26	M1	CNPY4
ACBD3. 1	1. 74E-30	-0. 12237	0. 076	0. 194	2. 59E-26	M1	ACBD3
PTPN2. 3	1. 77E-30	0. 422871	0. 319	0. 234	2. 65E-26	M1	PTPN2
PRPF31. 2	1. 79E-30	-0. 15404	0. 236	0. 423	2. 68E-26	M1	PRPF31
TRMT11. 2	1. 79E-30	-0. 14219	0. 038	0. 133	2. 68E-26	M1	TRMT11
MPHOSPH9. 1	1. 81E-30	-0. 15001	0. 038	0. 133	2. 71E-26	M1	MPHOSPH9
PSMB4. 1	1. 82E-30	-0. 19492	0. 256	0. 45	2. 71E-26	M1	PSMB4
TATDN1. 1	1. 86E-30	-0. 12409	0. 121	0. 259	2. 78E-26	M1	TATDN1
ANLN. 3	1. 95E-30	-0. 27641	0. 005	0. 074	2. 91E-26	M1	ANLN
SPSB4. 3	2. 00E-30	-0. 12972	0. 003	0. 07	2. 98E-26	M1	SPSB4

ATP5SL. 2	2. 00E-30	-0. 12776	0. 117	0. 254	2. 99E-26	M1	ATP5SL
KXD1. 3	2. 00E-30	-0. 20348	0. 286	0. 481	2. 99E-26	M1	KXD1
HPCA. 2	2. 04E-30	-0. 21778	0. 004	0. 071	3. 05E-26	M1	HPCA
TXLNG. 2	2. 07E-30	-0. 16022	0. 049	0. 15	3. 09E-26	M1	TXLNG
TUG1. 3	2. 11E-30	-0. 10316	0. 077	0. 195	3. 15E-26	M1	TUG1
RP11-192H	2. 12E-30	-0. 11772	0. 036	0. 13	3. 17E-26	M1	RP11-192H23. 6
SSBP4. 2	2. 14E-30	-0. 14624	0. 145	0. 295	3. 20E-26	M1	SSBP4
SORBS3. 3	2. 17E-30	-0. 11163	0. 075	0. 192	3. 24E-26	M1	SORBS3
MAP7D1. 3	2. 17E-30	-0. 14043	0. 201	0. 375	3. 24E-26	M1	MAP7D1
SCAMP3. 2	2. 18E-30	-0. 14674	0. 159	0. 316	3. 26E-26	M1	SCAMP3
NTRK3. 1	2. 25E-30	-0. 16114	0. 007	0. 078	3. 36E-26	M1	NTRK3
PCDH1. 2	2. 32E-30	-0. 14698	0. 004	0. 071	3. 46E-26	M1	PCDH1
APITD1. 1	2. 33E-30	-0. 1611	0. 016	0. 095	3. 48E-26	M1	APITD1
KCNK13. 1	2. 34E-30	0. 192267	0. 059	0. 016	3. 50E-26	M1	KCNK13
FAM104B. 2	2. 35E-30	-0. 15784	0. 089	0. 211	3. 52E-26	M1	FAM104B
NDUFS4. 1	2. 37E-30	-0. 21307	0. 331	0. 54	3. 54E-26	M1	NDUFS4
EHD1. 3	2. 43E-30	-0. 16633	0. 042	0. 137	3. 64E-26	M1	EHD1
HMBOX1. 3	2. 45E-30	-0. 16025	0. 091	0. 213	3. 66E-26	M1	HMBOX1
SETD6. 2	2. 47E-30	-0. 14125	0. 021	0. 104	3. 69E-26	M1	SETD6
NAPB	2. 51E-30	-0. 16677	0. 014	0. 091	3. 74E-26	M1	NAPB
BRF2. 2	2. 52E-30	-0. 1798	0. 021	0. 104	3. 76E-26	M1	BRF2
TULP4. 3	2. 57E-30	-0. 16806	0. 056	0. 16	3. 85E-26	M1	TULP4
TAF9. 2	2. 62E-30	-0. 17968	0. 323	0. 535	3. 92E-26	M1	TAF9
RAD17. 1	2. 67E-30	-0. 13336	0. 047	0. 146	3. 99E-26	M1	RAD17
CTU1. 2	2. 73E-30	-0. 12085	0. 013	0. 09	4. 08E-26	M1	CTU1
DHX36. 2	2. 76E-30	-0. 15014	0. 263	0. 459	4. 13E-26	M1	DHX36
THAP7. 2	2. 85E-30	-0. 12252	0. 101	0. 231	4. 25E-26	M1	THAP7
EIF2B2. 2	2. 85E-30	-0. 12932	0. 076	0. 193	4. 25E-26	M1	EIF2B2
CHMP7. 3	2. 90E-30	-0. 15384	0. 079	0. 196	4. 33E-26	M1	CHMP7
LILRA1	2. 94E-30	0. 155357	0. 045	0. 01	4. 40E-26	M1	LILRA1
PLL. 3	2. 95E-30	-0. 35277	0. 009	0. 08	4. 42E-26	M1	PLL
STRN4. 3	3. 06E-30	-0. 11132	0. 042	0. 14	4. 57E-26	M1	STRN4
CAPN5. 1	3. 14E-30	-0. 13252	0. 009	0. 081	4. 69E-26	M1	CAPN5
LRRC24. 2	3. 16E-30	-0. 15768	0. 009	0. 08	4. 72E-26	M1	LRRC24
TTI1. 1	3. 26E-30	-0. 13183	0. 025	0. 111	4. 87E-26	M1	TTI1
IPCEF1. 2	3. 27E-30	0. 183447	0. 056	0. 015	4. 88E-26	M1	IPCEF1
CETN3. 2	3. 38E-30	-0. 16036	0. 059	0. 164	5. 05E-26	M1	CETN3
SLC2A10. 2	3. 42E-30	-0. 11396	0. 006	0. 076	5. 11E-26	M1	SLC2A10
PCDHB14. 1	3. 43E-30	-0. 18356	0. 001	0. 065	5. 13E-26	M1	PCDHB14
UBQLN1. 2	3. 46E-30	-0. 11521	0. 153	0. 307	5. 17E-26	M1	UBQLN1
TMCC1. 3	3. 56E-30	-0. 13886	0. 036	0. 129	5. 32E-26	M1	TMCC1
USP13. 2	3. 57E-30	-0. 14709	0. 011	0. 084	5. 34E-26	M1	USP13
JAGN1. 3	3. 71E-30	-0. 15265	0. 181	0. 348	5. 55E-26	M1	JAGN1
EIF2B4. 2	3. 84E-30	-0. 14139	0. 087	0. 208	5. 74E-26	M1	EIF2B4
AKNA. 3	3. 91E-30	0. 308192	0. 131	0. 06	5. 84E-26	M1	AKNA
SPAST. 2	3. 94E-30	-0. 12661	0. 035	0. 127	5. 89E-26	M1	SPAST
SYAP1. 3	3. 95E-30	0. 417615	0. 426	0. 379	5. 91E-26	M1	SYAP1
JPH4. 1	3. 96E-30	-0. 23199	0. 004	0. 071	5. 91E-26	M1	JPH4
FAM3B	4. 02E-30	0. 17586	0. 034	0. 006	6. 00E-26	M1	FAM3B
ZNHIT2. 1	4. 10E-30	-0. 13483	0. 018	0. 098	6. 12E-26	M1	ZNHIT2
C5orf30. 2	4. 10E-30	-0. 18108	0. 013	0. 088	6. 13E-26	M1	C5orf30

MYLK. 1	4. 17E-30	-0. 26054	0. 004	0. 07	6. 23E-26	M1	MYLK
CEACAM21.	4. 20E-30	0. 169903	0. 053	0. 014	6. 28E-26	M1	CEACAM21
CEP57L1. 3	4. 24E-30	-0. 14454	0. 035	0. 126	6. 34E-26	M1	CEP57L1
SUGT1. 2	4. 44E-30	-0. 14362	0. 201	0. 373	6. 63E-26	M1	SUGT1
URM1	4. 52E-30	-0. 16032	0. 212	0. 387	6. 76E-26	M1	URM1
LZTS1. 3	4. 58E-30	-0. 14227	0. 004	0. 071	6. 85E-26	M1	LZTS1
JAM2. 4	4. 59E-30	-0. 12552	0. 133	0. 276	6. 86E-26	M1	JAM2
IPP. 2	4. 62E-30	-0. 14725	0. 004	0. 071	6. 90E-26	M1	IPP
STK16. 1	4. 62E-30	-0. 12537	0. 087	0. 208	6. 90E-26	M1	STK16
GEMIN2	4. 63E-30	-0. 15795	0. 035	0. 126	6. 92E-26	M1	GEMIN2
TEX261. 2	4. 76E-30	-0. 11193	0. 071	0. 185	7. 11E-26	M1	TEX261
SPC25. 4	4. 83E-30	-0. 22943	0. 005	0. 073	7. 22E-26	M1	SPC25
ERCC4. 2	4. 85E-30	-0. 13826	0. 047	0. 146	7. 24E-26	M1	ERCC4
RFC5. 1	5. 12E-30	-0. 16353	0. 021	0. 103	7. 65E-26	M1	RFC5
USP33	5. 15E-30	-0. 11739	0. 081	0. 199	7. 69E-26	M1	USP33
EBF4. 1	5. 47E-30	-0. 12662	0. 002	0. 066	8. 18E-26	M1	EBF4
S100Z. 1	5. 48E-30	0. 138674	0. 038	0. 007	8. 19E-26	M1	S100Z
CCNL2. 2	5. 55E-30	-0. 12579	0. 161	0. 316	8. 30E-26	M1	CCNL2
CYB561. 3	5. 67E-30	-0. 14377	0. 015	0. 093	8. 48E-26	M1	CYB561
RAF1. 4	5. 70E-30	-0. 10458	0. 15	0. 302	8. 51E-26	M1	RAF1
SIX1. 2	5. 70E-30	-0. 16918	0. 003	0. 068	8. 52E-26	M1	SIX1
FAM60A. 2	5. 82E-30	-0. 14553	0. 078	0. 194	8. 69E-26	M1	FAM60A
KBTBD7. 2	5. 91E-30	-0. 16213	0. 02	0. 1	8. 83E-26	M1	KBTBD7
RFXAP. 1	5. 95E-30	-0. 14774	0. 025	0. 109	8. 89E-26	M1	RFXAP
NAP1L1. 2	6. 03E-30	0. 144815	0. 679	0. 673	9. 01E-26	M1	NAP1L1
FAM198B. 2	6. 14E-30	0. 248987	0. 116	0. 05	9. 18E-26	M1	FAM198B
RP11-345J	6. 21E-30	-0. 12674	0. 119	0. 258	9. 28E-26	M1	RP11-345J4. 5
TSC2. 2	6. 24E-30	-0. 10359	0. 051	0. 152	9. 33E-26	M1	TSC2
FAM127C. 1	6. 26E-30	-0. 18245	0. 031	0. 119	9. 36E-26	M1	FAM127C
SHROOM2. 3	6. 31E-30	-0. 14434	0. 004	0. 07	9. 43E-26	M1	SHROOM2
CACYBP. 1	6. 41E-30	-0. 17595	0. 334	0. 54	9. 58E-26	M1	CACYBP
IZUMO4. 2	6. 54E-30	-0. 14221	0. 008	0. 078	9. 77E-26	M1	IZUMO4
ATXN10. 1	6. 67E-30	-0. 16445	0. 264	0. 452	9. 97E-26	M1	ATXN10
DSCAM. 1	6. 95E-30	-0. 18204	0. 012	0. 087	1. 04E-25	M1	DSCAM
CENPU. 3	7. 33E-30	-0. 22666	0. 032	0. 12	1. 10E-25	M1	CENPU
CACNB3. 2	7. 38E-30	-0. 1393	0. 005	0. 072	1. 10E-25	M1	CACNB3
RNF4	7. 49E-30	-0. 13608	0. 08	0. 197	1. 12E-25	M1	RNF4
POFUT1. 2	7. 55E-30	-0. 10023	0. 038	0. 132	1. 13E-25	M1	POFUT1
CUL3. 2	7. 59E-30	-0. 11395	0. 096	0. 221	1. 13E-25	M1	CUL3
PARP2. 1	7. 78E-30	-0. 18265	0. 036	0. 126	1. 16E-25	M1	PARP2
CRYZ. 3	8. 08E-30	-0. 16591	0. 043	0. 14	1. 21E-25	M1	CRYZ
ASXL1. 3	8. 11E-30	-0. 11806	0. 079	0. 196	1. 21E-25	M1	ASXL1
PPIF. 4	8. 22E-30	0. 40121	0. 291	0. 207	1. 23E-25	M1	PPIF
PDCD2L. 2	8. 28E-30	-0. 16032	0. 031	0. 119	1. 24E-25	M1	PDCD2L
PLOD3. 2	8. 78E-30	-0. 11902	0. 108	0. 24	1. 31E-25	M1	PLOD3
GSDMD. 3	9. 39E-30	0. 392564	0. 258	0. 17	1. 40E-25	M1	GSDMD
IER5. 4	9. 50E-30	0. 471196	0. 27	0. 189	1. 42E-25	M1	IER5
TP53I3. 2	9. 51E-30	-0. 15065	0. 059	0. 163	1. 42E-25	M1	TP53I3
DGCR8. 1	9. 57E-30	-0. 14397	0. 017	0. 096	1. 43E-25	M1	DGCR8
EPAS1. 3	9. 64E-30	-0. 20471	0. 032	0. 119	1. 44E-25	M1	EPAS1
MICAL1. 4	9. 67E-30	0. 380698	0. 211	0. 127	1. 45E-25	M1	MICAL1

CRTC3. 1	9. 98E-30	-0. 13592	0. 038	0. 131	1. 49E-25	M1	CRTC3
CRIM1. 3	1. 03E-29	-0. 13532	0. 006	0. 075	1. 54E-25	M1	CRIM1
TMEM14C. 2	1. 06E-29	0. 213423	0. 603	0. 588	1. 59E-25	M1	TMEM14C
IMMP2L. 2	1. 07E-29	-0. 18226	0. 059	0. 162	1. 60E-25	M1	IMMP2L
ATG12	1. 10E-29	-0. 10023	0. 201	0. 374	1. 64E-25	M1	ATG12
ZNF451. 1	1. 12E-29	-0. 14745	0. 07	0. 181	1. 67E-25	M1	ZNF451
RAB40B. 4	1. 16E-29	-0. 20165	0. 049	0. 146	1. 74E-25	M1	RAB40B
FAM228B. 3	1. 17E-29	-0. 12707	0. 107	0. 237	1. 74E-25	M1	FAM228B
SDAD1. 2	1. 18E-29	-0. 13235	0. 11	0. 24	1. 77E-25	M1	SDAD1
SCAI. 1	1. 23E-29	-0. 15179	0. 018	0. 096	1. 84E-25	M1	SCAI
FGFRL1	1. 24E-29	-0. 1157	0. 002	0. 066	1. 85E-25	M1	FGFRL1
ARF1. 3	1. 25E-29	0. 151209	0. 695	0. 694	1. 87E-25	M1	ARF1
PSPC1. 3	1. 25E-29	-0. 11771	0. 104	0. 232	1. 87E-25	M1	PSPC1
BRD4. 3	1. 29E-29	-0. 12993	0. 188	0. 355	1. 93E-25	M1	BRD4
TMEM178B. 1	1. 33E-29	-0. 16008	0. 003	0. 067	1. 99E-25	M1	TMEM178B
C1orf50. 2	1. 35E-29	-0. 1226	0. 082	0. 2	2. 01E-25	M1	C1orf50
ZFP1. 1	1. 36E-29	-0. 13794	0. 008	0. 078	2. 03E-25	M1	ZFP1
OARD1. 2	1. 36E-29	-0. 15175	0. 119	0. 255	2. 04E-25	M1	OARD1
IGF1R. 2	1. 39E-29	-0. 17118	0. 01	0. 081	2. 08E-25	M1	IGF1R
MAP3K7. 1	1. 39E-29	-0. 11964	0. 1	0. 226	2. 08E-25	M1	MAP3K7
SLC35E3. 3	1. 43E-29	-0. 2242	0. 091	0. 206	2. 14E-25	M1	SLC35E3
NCAM2. 2	1. 44E-29	-0. 22348	0. 009	0. 079	2. 15E-25	M1	NCAM2
RHBDF1. 1	1. 45E-29	-0. 12576	0	0. 062	2. 16E-25	M1	RHBDF1
NUFIP1. 2	1. 45E-29	-0. 15304	0. 038	0. 13	2. 16E-25	M1	NUFIP1
PIP4K2B. 1	1. 58E-29	-0. 11239	0. 03	0. 118	2. 36E-25	M1	PIP4K2B
DLL1. 2	1. 71E-29	-0. 25448	0. 011	0. 083	2. 56E-25	M1	DLL1
THAP1	1. 75E-29	-0. 14742	0. 056	0. 158	2. 62E-25	M1	THAP1
SYTL2. 2	1. 76E-29	-0. 23887	0. 014	0. 088	2. 64E-25	M1	SYTL2
SLC16A4. 1	1. 79E-29	-0. 12861	0. 006	0. 073	2. 67E-25	M1	SLC16A4
AC113189. 1	1. 80E-29	-0. 18733	0. 008	0. 077	2. 69E-25	M1	AC113189. 5
MEX3B. 2	1. 84E-29	-0. 18679	0. 006	0. 074	2. 75E-25	M1	MEX3B
STK32A. 3	1. 87E-29	-0. 12785	0. 002	0. 066	2. 80E-25	M1	STK32A
SAPCD2. 3	1. 90E-29	-0. 17236	0. 003	0. 067	2. 84E-25	M1	SAPCD2
ZNF567. 1	1. 98E-29	-0. 14765	0. 026	0. 11	2. 97E-25	M1	ZNF567
TEAD4. 2	2. 00E-29	-0. 1133	0. 001	0. 062	2. 99E-25	M1	TEAD4
ADCK4. 2	2. 01E-29	-0. 13512	0. 046	0. 143	3. 01E-25	M1	ADCK4
RP1-79C4. 2	2. 03E-29	-0. 12572	0	0. 061	3. 03E-25	M1	RP1-79C4. 4
PHF19. 3	2. 11E-29	-0. 16831	0. 048	0. 145	3. 15E-25	M1	PHF19
CENPM. 3	2. 11E-29	-0. 19908	0. 013	0. 086	3. 15E-25	M1	CENPM
ZDHHC4. 4	2. 13E-29	-0. 15364	0. 211	0. 384	3. 18E-25	M1	ZDHHC4
ARVCF. 2	2. 14E-29	-0. 13445	0. 002	0. 066	3. 20E-25	M1	ARVCF
HNRNPAB. 3	2. 19E-29	-0. 17377	0. 248	0. 427	3. 28E-25	M1	HNRNPAB
DHX9. 2	2. 23E-29	-0. 12643	0. 153	0. 303	3. 33E-25	M1	DHX9
CTA-445C9. 2	2. 29E-29	-0. 16065	0. 003	0. 068	3. 42E-25	M1	CTA-445C9. 14
LRRN2	2. 29E-29	-0. 1084	0. 003	0. 067	3. 43E-25	M1	LRRN2
SPHK2. 2	2. 30E-29	-0. 1297	0. 047	0. 144	3. 43E-25	M1	SPHK2
TNFRSF10D	2. 40E-29	0. 140666	0. 036	0. 007	3. 59E-25	M1	TNFRSF10D
GPATCH2. 2	2. 47E-29	-0. 12203	0. 069	0. 18	3. 69E-25	M1	GPATCH2
SMC2. 2	2. 50E-29	-0. 189	0. 099	0. 22	3. 73E-25	M1	SMC2
AMN1	2. 50E-29	-0. 16601	0. 045	0. 14	3. 73E-25	M1	AMN1
POMT1. 3	2. 53E-29	-0. 11591	0. 053	0. 154	3. 78E-25	M1	POMT1



IFT46.2	2.53E-29	-0.15328	0.035	0.124	3.79E-25	M1	IFT46
FZR1.3	2.56E-29	-0.10035	0.065	0.173	3.82E-25	M1	FZR1
IL13RA2.3	2.60E-29	-0.2893	0.002	0.065	3.88E-25	M1	IL13RA2
SLC16A2.1	2.63E-29	-0.1261	0.002	0.064	3.92E-25	M1	SLC16A2
CTC-338M1	2.75E-29	-0.19504	0.01	0.08	4.10E-25	M1	CTC-338M12.5
ILF2.1	2.77E-29	-0.20351	0.403	0.608	4.13E-25	M1	ILF2
NSMF.1	2.93E-29	-0.12075	0.039	0.132	4.39E-25	M1	NSMF
WIPI1.3	2.95E-29	0.435457	0.255	0.171	4.40E-25	M1	WIPI1
MUL1.1	2.96E-29	-0.12309	0.069	0.179	4.43E-25	M1	MUL1
PLEKHA3.3	3.01E-29	-0.12642	0.119	0.254	4.50E-25	M1	PLEKHA3
SEPT3.3	3.03E-29	-0.19845	0.009	0.079	4.52E-25	M1	3-Sep
C17orf51.3	3.23E-29	-0.13227	0.009	0.08	4.82E-25	M1	C17orf51
DALRD3.2	3.25E-29	-0.10729	0.072	0.184	4.85E-25	M1	DALRD3
NEDD9.3	3.26E-29	0.52575	0.286	0.207	4.87E-25	M1	NEDD9
ANKRD36.2	3.29E-29	-0.13359	0.087	0.205	4.92E-25	M1	ANKRD36
ZNF580.3	3.34E-29	-0.15497	0.164	0.317	4.99E-25	M1	ZNF580
FLRT3.3	3.37E-29	-0.14476	0.004	0.068	5.03E-25	M1	FLRT3
MLH3.1	3.38E-29	-0.14706	0.033	0.12	5.05E-25	M1	MLH3
BANF1.2	3.44E-29	-0.26329	0.491	0.696	5.14E-25	M1	BANF1
SENCR.2	3.48E-29	0.210103	0.051	0.013	5.20E-25	M1	SENCR
GPBP1.1	3.75E-29	-0.15274	0.283	0.482	5.60E-25	M1	GPBP1
CIC.2	3.89E-29	-0.10895	0.041	0.135	5.81E-25	M1	CIC
CAHM.3	3.98E-29	-0.13975	0.023	0.105	5.94E-25	M1	CAHM
CRB1.1	3.99E-29	-0.21044	0.009	0.079	5.96E-25	M1	CRB1
RANBP1.3	4.24E-29	-0.24187	0.426	0.608	6.34E-25	M1	RANBP1
C9orf72.4	4.43E-29	0.420509	0.221	0.136	6.61E-25	M1	C9orf72
LINC00526	4.46E-29	-0.15107	0.016	0.092	6.66E-25	M1	LINC00526
PCED1B.2	4.46E-29	0.202779	0.078	0.027	6.67E-25	M1	PCED1B
LSM2.1	4.50E-29	-0.17724	0.286	0.48	6.72E-25	M1	LSM2
SNRPB2.2	4.61E-29	-0.23014	0.4	0.597	6.89E-25	M1	SNRPB2
ACOX2.1	4.62E-29	-0.13535	0.001	0.063	6.90E-25	M1	ACOX2
GM2A.3	4.64E-29	0.388839	0.214	0.129	6.94E-25	M1	GM2A
RP11-448A	4.69E-29	-0.13146	0.024	0.106	7.00E-25	M1	RP11-448A19.1
ABCA2.4	4.80E-29	-0.29099	0.027	0.109	7.17E-25	M1	ABCA2
MBP.1	4.87E-29	0.166609	0.329	0.22	7.27E-25	M1	MBP
ATRX.2	4.90E-29	-0.17951	0.287	0.476	7.32E-25	M1	ATRX
ZNF682.1	4.94E-29	-0.13377	0.014	0.089	7.38E-25	M1	ZNF682
H3F3B.4	5.01E-29	-0.15855	0.988	0.967	7.48E-25	M1	H3F3B
RP11-379H	5.12E-29	-0.11708	0.012	0.084	7.65E-25	M1	RP11-379H18.1
LRCH4.4	5.13E-29	0.40348	0.26	0.174	7.66E-25	M1	LRCH4
SLC12A5.4	5.22E-29	0.364986	0.154	0.08	7.80E-25	M1	SLC12A5
DSC2.3	5.50E-29	0.21868	0.073	0.024	8.21E-25	M1	DSC2
RP11-305L	5.53E-29	0.175901	0.032	0.005	8.26E-25	M1	RP11-305L7.3
NR2E1.1	5.55E-29	-0.1176	0.003	0.066	8.30E-25	M1	NR2E1
PM20D2.2	5.67E-29	-0.11502	0.019	0.098	8.47E-25	M1	PM20D2
EIF4H.1	5.77E-29	-0.22092	0.371	0.574	8.63E-25	M1	EIF4H
CLDN10.2	5.95E-29	-0.33294	0.003	0.066	8.89E-25	M1	CLDN10
NDUFA12.2	6.20E-29	-0.24179	0.385	0.593	9.27E-25	M1	NDUFA12
MYT1L.4	6.21E-29	-0.24102	0.005	0.07	9.27E-25	M1	MYT1L
TTC1.2	6.32E-29	-0.15473	0.226	0.403	9.45E-25	M1	TTC1
RPP14.2	6.44E-29	-0.10848	0.088	0.207	9.63E-25	M1	RPP14

MARC1. 2	7. 07E-29	-0. 1354	0. 005	0. 07	1. 06E-24 M1	1-Mar
ASH1L. 1	7. 41E-29	-0. 10773	0. 177	0. 336	1. 11E-24 M1	ASH1L
BABAM1	7. 43E-29	-0. 1625	0. 25	0. 437	1. 11E-24 M1	BABAM1
LGALSL. 2	7. 44E-29	-0. 14558	0. 007	0. 074	1. 11E-24 M1	LGALSL
SHISA5	7. 53E-29	-0. 18072	0. 19	0. 352	1. 13E-24 M1	SHISA5
POLRMT. 2	7. 77E-29	-0. 12024	0. 049	0. 147	1. 16E-24 M1	POLRMT
DYNC1LI1.	7. 91E-29	-0. 15156	0. 148	0. 29	1. 18E-24 M1	DYNC1LI1
CARD8. 3	8. 00E-29	0. 385859	0. 219	0. 134	1. 20E-24 M1	CARD8
RIC8A. 1	8. 02E-29	-0. 13282	0. 159	0. 311	1. 20E-24 M1	RIC8A
LRRC49	8. 14E-29	-0. 14703	0. 005	0. 07	1. 22E-24 M1	LRRC49
TASP1. 1	8. 31E-29	-0. 14457	0. 024	0. 106	1. 24E-24 M1	TASP1
AAMP. 2	8. 39E-29	-0. 15476	0. 266	0. 459	1. 25E-24 M1	AAMP
SLC25A37.	8. 51E-29	0. 406375	0. 372	0. 297	1. 27E-24 M1	SLC25A37
FN1. 2	8. 61E-29	-0. 25801	0. 068	0. 172	1. 29E-24 M1	FN1
ANKRD44. 3	8. 74E-29	0. 381328	0. 158	0. 083	1. 31E-24 M1	ANKRD44
AZGP1. 2	8. 82E-29	-0. 30907	0. 004	0. 067	1. 32E-24 M1	AZGP1
KCNJ16. 3	8. 98E-29	-0. 14082	0. 002	0. 064	1. 34E-24 M1	KCNJ16
GPN1. 1	9. 15E-29	-0. 15271	0. 115	0. 246	1. 37E-24 M1	GPN1
PRKAA2. 3	9. 25E-29	-0. 13628	0. 001	0. 062	1. 38E-24 M1	PRKAA2
DENR. 2	9. 29E-29	-0. 13768	0. 185	0. 348	1. 39E-24 M1	DENR
IQCG. 3	9. 43E-29	-0. 18618	0. 044	0. 138	1. 41E-24 M1	IQCG
INIP. 1	9. 47E-29	-0. 14023	0. 096	0. 217	1. 42E-24 M1	INIP
TMEM161A.	9. 58E-29	-0. 12519	0. 077	0. 19	1. 43E-24 M1	TMEM161A
MINOS1. 2	9. 72E-29	0. 149225	0. 644	0. 638	1. 45E-24 M1	MINOS1
ZBTB38	9. 88E-29	-0. 14777	0. 089	0. 207	1. 48E-24 M1	ZBTB38
ELMO1. 3	1. 01E-28	0. 35365	0. 27	0. 174	1. 50E-24 M1	ELMO1
GKAP1. 3	1. 01E-28	-0. 14408	0. 023	0. 103	1. 52E-24 M1	GKAP1
ARV1. 3	1. 03E-28	-0. 14129	0. 083	0. 198	1. 54E-24 M1	ARV1
SYNRG. 2	1. 05E-28	-0. 10025	0. 089	0. 209	1. 57E-24 M1	SYNRG
HOXC10. 2	1. 07E-28	-0. 20256	0. 002	0. 064	1. 60E-24 M1	HOXC10
SERTAD1. 2	1. 07E-28	0. 308101	0. 384	0. 302	1. 60E-24 M1	SERTAD1
ZNF599. 2	1. 10E-28	-0. 12785	0. 013	0. 086	1. 65E-24 M1	ZNF599
MAPK11. 1	1. 14E-28	-0. 10291	0. 003	0. 065	1. 70E-24 M1	MAPK11
MKI67. 3	1. 16E-28	-0. 25103	0. 007	0. 074	1. 73E-24 M1	MKI67
SUPT16H. 3	1. 16E-28	-0. 13985	0. 133	0. 271	1. 73E-24 M1	SUPT16H
SGOL1. 2	1. 17E-28	-0. 21247	0. 004	0. 068	1. 74E-24 M1	SGOL1
PDHX. 2	1. 23E-28	-0. 1191	0. 077	0. 19	1. 83E-24 M1	PDHX
LRRTM3. 2	1. 24E-28	-0. 11445	0. 001	0. 062	1. 86E-24 M1	LRRTM3
NPB	1. 32E-28	-0. 14843	0. 01	0. 079	1. 97E-24 M1	NPB
NUSAP1. 3	1. 33E-28	-0. 31271	0. 034	0. 119	1. 99E-24 M1	NUSAP1
TPR. 1	1. 35E-28	-0. 15303	0. 249	0. 436	2. 02E-24 M1	TPR
ZNF583. 2	1. 36E-28	-0. 13227	0. 033	0. 12	2. 03E-24 M1	ZNF583
SRP72. 1	1. 43E-28	-0. 1673	0. 298	0. 49	2. 14E-24 M1	SRP72
YJEFN3. 2	1. 46E-28	-0. 13132	0. 007	0. 074	2. 18E-24 M1	YJEFN3
MEX3D. 3	1. 52E-28	-0. 13273	0. 007	0. 073	2. 27E-24 M1	MEX3D
SLU7	1. 53E-28	-0. 12731	0. 181	0. 34	2. 29E-24 M1	SLU7
ZC3H6. 2	1. 53E-28	-0. 13602	0. 061	0. 164	2. 29E-24 M1	ZC3H6
SYT17. 2	1. 55E-28	-0. 12274	0. 069	0. 177	2. 32E-24 M1	SYT17
RIMKLA. 1	1. 57E-28	-0. 11528	0. 002	0. 063	2. 34E-24 M1	RIMKLA
RUSC1. 2	1. 57E-28	-0. 11515	0. 055	0. 155	2. 35E-24 M1	RUSC1
SLC2A9. 2	1. 59E-28	0. 200717	0. 061	0. 018	2. 37E-24 M1	SLC2A9

VIM. 3	1. 62E-28	-0. 26916	0. 659	0. 664	2. 42E-24 M1	VIM
RASD1. 2	1. 63E-28	-0. 29686	0. 054	0. 15	2. 43E-24 M1	RASD1
TSEN2. 3	1. 65E-28	-0. 15542	0. 022	0. 102	2. 46E-24 M1	TSEN2
HENMT1. 3	1. 67E-28	0. 224733	0. 072	0. 024	2. 50E-24 M1	HENMT1
TMEM43. 2	1. 68E-28	-0. 1176	0. 091	0. 211	2. 51E-24 M1	TMEM43
ZNF846. 3	1. 69E-28	0. 362292	0. 125	0. 059	2. 53E-24 M1	ZNF846
GATS. 1	1. 70E-28	-0. 18138	0. 007	0. 074	2. 55E-24 M1	GATS
ARAP3. 1	1. 74E-28	-0. 12388	0. 008	0. 076	2. 59E-24 M1	ARAP3
SET. 2	1. 76E-28	-0. 22963	0. 416	0. 59	2. 63E-24 M1	SET
AAED1. 4	1. 77E-28	0. 434889	0. 247	0. 168	2. 64E-24 M1	AAED1
RP3-47704	1. 77E-28	0. 200583	0. 066	0. 021	2. 64E-24 M1	RP3-47704. 14
ZNF117. 2	1. 89E-28	-0. 12574	0. 033	0. 12	2. 82E-24 M1	ZNF117
STUB1. 3	1. 93E-28	-0. 19398	0. 302	0. 493	2. 88E-24 M1	STUB1
DPYD. 2	1. 97E-28	0. 301721	0. 166	0. 087	2. 94E-24 M1	DPYD
R3HDM4. 3	1. 97E-28	-0. 10834	0. 098	0. 221	2. 94E-24 M1	R3HDM4
DGCR14	1. 97E-28	-0. 12427	0. 042	0. 135	2. 95E-24 M1	DGCR14
CEP19. 2	2. 02E-28	-0. 14755	0. 015	0. 089	3. 02E-24 M1	CEP19
DAZAP2. 3	2. 03E-28	0. 278592	0. 555	0. 533	3. 04E-24 M1	DAZAP2
REV1. 2	2. 04E-28	-0. 12032	0. 075	0. 186	3. 05E-24 M1	REV1
SCAMP4. 2	2. 12E-28	-0. 11	0. 146	0. 293	3. 17E-24 M1	SCAMP4
MICALL2. 2	2. 12E-28	-0. 13671	0. 011	0. 081	3. 18E-24 M1	MICALL2
MGAT4B. 1	2. 14E-28	-0. 10231	0. 032	0. 118	3. 20E-24 M1	MGAT4B
PITHD1. 3	2. 16E-28	-0. 15783	0. 207	0. 374	3. 23E-24 M1	PITHD1
CTNNA2. 2	2. 27E-28	-0. 20979	0. 005	0. 069	3. 39E-24 M1	CTNNA2
COG4. 2	2. 28E-28	-0. 11833	0. 091	0. 211	3. 41E-24 M1	COG4
FAM179B. 2	2. 30E-28	-0. 10599	0. 042	0. 134	3. 44E-24 M1	FAM179B
RDH14. 1	2. 40E-28	-0. 12289	0. 089	0. 207	3. 59E-24 M1	RDH14
GTF2IRD2. 2	2. 50E-28	-0. 14782	0. 041	0. 131	3. 73E-24 M1	GTF2IRD2
HOXA3. 3	2. 50E-28	-0. 20052	0. 004	0. 066	3. 74E-24 M1	HOXA3
NUP88. 2	2. 61E-28	-0. 12513	0. 048	0. 144	3. 90E-24 M1	NUP88
RBMX2. 1	2. 61E-28	-0. 1178	0. 124	0. 258	3. 90E-24 M1	RBMX2
METTL3. 1	2. 67E-28	-0. 14936	0. 045	0. 138	4. 00E-24 M1	METTL3
CINP	2. 84E-28	-0. 15196	0. 136	0. 275	4. 24E-24 M1	CINP
AMH. 2	2. 87E-28	-0. 1287	0. 004	0. 068	4. 29E-24 M1	AMH
ATF2	2. 90E-28	-0. 15677	0. 071	0. 178	4. 34E-24 M1	ATF2
RBM14. 1	2. 91E-28	-0. 10657	0. 092	0. 212	4. 35E-24 M1	RBM14
TAF13. 1	2. 94E-28	-0. 10828	0. 054	0. 154	4. 39E-24 M1	TAF13
CSRP2BP	3. 04E-28	-0. 12171	0. 015	0. 089	4. 54E-24 M1	CSRP2BP
KLHL9. 2	3. 13E-28	-0. 1143	0. 036	0. 124	4. 68E-24 M1	KLHL9
BAMBI. 2	3. 16E-28	-0. 1458	0. 011	0. 081	4. 72E-24 M1	BAMBI
NUDT10. 1	3. 23E-28	-0. 17651	0. 001	0. 06	4. 83E-24 M1	NUDT10
TMEM145. 2	3. 24E-28	-0. 16172	0. 011	0. 081	4. 84E-24 M1	TMEM145
NFKBIL1. 1	3. 26E-28	-0. 10148	0. 101	0. 225	4. 87E-24 M1	NFKBIL1
CDC23. 2	3. 46E-28	-0. 13875	0. 046	0. 141	5. 16E-24 M1	CDC23
RNFT2. 3	3. 59E-28	-0. 12517	0. 011	0. 08	5. 37E-24 M1	RNFT2
MFAP3L. 2	3. 80E-28	-0. 13423	0. 003	0. 065	5. 68E-24 M1	MFAP3L
LINC00657	3. 84E-28	-0. 11129	0. 195	0. 359	5. 73E-24 M1	LINC00657
MIEN1	3. 97E-28	-0. 17575	0. 316	0. 518	5. 94E-24 M1	MIEN1
TBC1D12. 4	4. 11E-28	0. 363705	0. 17	0. 095	6. 15E-24 M1	TBC1D12
ZNF620. 1	4. 19E-28	-0. 15387	0. 006	0. 07	6. 26E-24 M1	ZNF620
CRADD. 2	4. 21E-28	-0. 15451	0. 034	0. 119	6. 30E-24 M1	CRADD

MTMR11.1	4.22E-28	-0.15072	0.012	0.083	6.30E-24	M1	MTMR11
VASP.4	4.22E-28	0.380734	0.307	0.226	6.31E-24	M1	VASP
GPHN.1	4.27E-28	-0.14054	0.01	0.078	6.39E-24	M1	GPHN
LDHB.2	4.29E-28	-0.24233	0.657	0.803	6.41E-24	M1	LDHB
RP3-522D1	4.33E-28	0.260968	0.079	0.029	6.48E-24	M1	RP3-522D1.1
HAGH.3	4.39E-28	-0.11828	0.21	0.382	6.56E-24	M1	HAGH
Clorf228.	4.46E-28	0.240129	0.071	0.024	6.66E-24	M1	Clorf228
CLSTN3.1	4.46E-28	-0.15457	0.005	0.069	6.66E-24	M1	CLSTN3
DCP1A.1	4.49E-28	-0.12189	0.118	0.248	6.71E-24	M1	DCP1A
GIMAP5.3	4.51E-28	0.245748	0.099	0.041	6.74E-24	M1	GIMAP5
ZNF354A.1	4.62E-28	-0.12105	0.043	0.136	6.90E-24	M1	ZNF354A
SEMA3A	5.07E-28	-0.10782	0.001	0.06	7.58E-24	M1	SEMA3A
RFXANK.1	5.13E-28	-0.16089	0.193	0.351	7.66E-24	M1	RFXANK
NT5E.1	5.27E-28	-0.16845	0.007	0.073	7.87E-24	M1	NT5E
ZBTB17.1	5.30E-28	-0.13249	0.038	0.126	7.91E-24	M1	ZBTB17
SCMH1	5.36E-28	-0.12709	0.017	0.091	8.01E-24	M1	SCMH1
MTPN.2	5.39E-28	-0.13617	0.274	0.464	8.06E-24	M1	MTPN
CENPN.2	5.63E-28	-0.17981	0.022	0.1	8.41E-24	M1	CENPN
RRP15.1	5.70E-28	-0.13849	0.113	0.241	8.51E-24	M1	RRP15
LAMB2.2	5.75E-28	-0.10078	0.027	0.109	8.60E-24	M1	LAMB2
CERS6.3	5.77E-28	-0.1435	0.048	0.142	8.62E-24	M1	CERS6
DPM1.3	6.11E-28	-0.13605	0.229	0.408	9.13E-24	M1	DPM1
STK4.4	6.34E-28	0.458533	0.344	0.275	9.47E-24	M1	STK4
SEPW1.2	6.39E-28	-0.24388	0.515	0.704	9.54E-24	M1	SEPW1
IPO13.2	6.40E-28	-0.1321	0.035	0.122	9.56E-24	M1	IPO13
PSME3.2	6.42E-28	-0.13127	0.118	0.248	9.59E-24	M1	PSME3
OMG.2	6.76E-28	-0.31066	0.018	0.092	1.01E-23	M1	OMG
PFN1.4	6.93E-28	0.105204	0.848	0.801	1.04E-23	M1	PFN1
AMOTL1.2	6.93E-28	-0.10985	0.01	0.078	1.04E-23	M1	AMOTL1
PDCD2.3	7.07E-28	-0.11741	0.166	0.32	1.06E-23	M1	PDCD2
EXOSC4.1	7.11E-28	-0.12453	0.136	0.275	1.06E-23	M1	EXOSC4
JMY.2	7.15E-28	-0.12436	0.031	0.115	1.07E-23	M1	JMY
POLR3D.2	7.27E-28	-0.12179	0.047	0.141	1.09E-23	M1	POLR3D
WSB1.2	7.40E-28	0.199378	0.662	0.65	1.11E-23	M1	WSB1
SLC46A3.4	7.42E-28	0.304008	0.108	0.047	1.11E-23	M1	SLC46A3
PARD6A.1	7.51E-28	-0.12182	0.027	0.108	1.12E-23	M1	PARD6A
ZNF467.3	7.54E-28	0.219787	0.074	0.026	1.13E-23	M1	ZNF467
SEMA4B	7.56E-28	-0.12544	0.002	0.062	1.13E-23	M1	SEMA4B
DOK1.4	7.87E-28	0.411317	0.221	0.141	1.18E-23	M1	DOK1
DNAL1.1	8.07E-28	-0.10705	0.033	0.118	1.21E-23	M1	DNAL1
ARRB1.3	8.16E-28	0.240878	0.086	0.033	1.22E-23	M1	ARRB1
ZNF232.2	8.24E-28	-0.12017	0.018	0.092	1.23E-23	M1	ZNF232
ZBTB80S.1	8.25E-28	-0.11528	0.168	0.319	1.23E-23	M1	ZBTB80S
CIZ1.1	8.33E-28	-0.10477	0.084	0.199	1.24E-23	M1	CIZ1
ANKZF1.2	8.52E-28	-0.12026	0.053	0.15	1.27E-23	M1	ANKZF1
ISCA2.1	8.66E-28	-0.19321	0.16	0.306	1.29E-23	M1	ISCA2
NDRG3.3	8.80E-28	-0.11677	0.083	0.196	1.32E-23	M1	NDRG3
EFCAB7.1	9.62E-28	-0.15208	0.012	0.081	1.44E-23	M1	EFCAB7
KDM4B.2	9.63E-28	-0.11307	0.051	0.148	1.44E-23	M1	KDM4B
ARHGEF4.1	9.65E-28	-0.12525	0.003	0.064	1.44E-23	M1	ARHGEF4
PTPN12.2	9.66E-28	-0.11736	0.115	0.243	1.44E-23	M1	PTPN12

ATP13A2.3	9.79E-28	-0.11089	0.057	0.157	1.46E-23	M1	ATP13A2
GORAB.4	9.84E-28	-0.10563	0.015	0.087	1.47E-23	M1	GORAB
MIS12.2	9.96E-28	-0.103	0.058	0.159	1.49E-23	M1	MIS12
LPIN1.1	1.01E-27	-0.13028	0.056	0.153	1.50E-23	M1	LPIN1
SMARCAD1.1	1.02E-27	-0.12147	0.035	0.121	1.53E-23	M1	SMARCAD1
HAAO.3	1.04E-27	0.252754	0.056	0.016	1.56E-23	M1	HAAO
SNAPIN.1	1.05E-27	-0.1395	0.23	0.406	1.57E-23	M1	SNAPIN
KCND3.3	1.05E-27	-0.1219	0.005	0.068	1.57E-23	M1	KCND3
RP11-1114	1.06E-27	-0.12594	0.02	0.097	1.59E-23	M1	RP11-1114A5.4
NTPCR.2	1.09E-27	-0.13649	0.153	0.297	1.63E-23	M1	NTPCR
BMI1.2	1.11E-27	-0.11403	0.057	0.156	1.66E-23	M1	BMI1
EFNA2.2	1.12E-27	-0.13233	0.002	0.061	1.68E-23	M1	EFNA2
BNIP2.4	1.16E-27	0.429157	0.323	0.252	1.73E-23	M1	BNIP2
BACE1.3	1.17E-27	-0.16891	0.043	0.133	1.75E-23	M1	BACE1
EIF1AX.2	1.18E-27	-0.21201	0.389	0.594	1.77E-23	M1	EIF1AX
DUS4L.1	1.19E-27	-0.14525	0.018	0.092	1.78E-23	M1	DUS4L
KIF22.1	1.21E-27	-0.20063	0.1	0.216	1.81E-23	M1	KIF22
ASIC1.2	1.22E-27	-0.17202	0.002	0.062	1.82E-23	M1	ASIC1
LARP1B.2	1.26E-27	-0.1089	0.044	0.135	1.88E-23	M1	LARP1B
SASH1.1	1.26E-27	-0.16354	0.012	0.082	1.89E-23	M1	SASH1
ZNF766	1.27E-27	-0.1108	0.048	0.142	1.90E-23	M1	ZNF766
ZBED1.2	1.30E-27	-0.11418	0.057	0.156	1.95E-23	M1	ZBED1
USP16.1	1.41E-27	-0.12222	0.218	0.392	2.11E-23	M1	USP16
BGN.3	1.45E-27	-0.30365	0.009	0.076	2.17E-23	M1	BGN
PRKD1.1	1.45E-27	-0.10291	0.002	0.061	2.17E-23	M1	PRKD1
ARHGAP1.1	1.46E-27	-0.14318	0.072	0.177	2.18E-23	M1	ARHGAP1
MON1A.2	1.47E-27	-0.12716	0.022	0.099	2.19E-23	M1	MON1A
CCDC51	1.48E-27	-0.10643	0.031	0.114	2.22E-23	M1	CCDC51
PXN-AS1.1	1.52E-27	-0.12591	0.019	0.093	2.28E-23	M1	PXN-AS1
RHNO1.1	1.57E-27	-0.1424	0.097	0.215	2.34E-23	M1	RHNO1
OSBP	1.57E-27	-0.11605	0.025	0.104	2.35E-23	M1	OSBP
FDFT1.2	1.60E-27	-0.12623	0.177	0.332	2.40E-23	M1	FDFT1
LRRC59.2	1.63E-27	-0.12836	0.217	0.386	2.44E-23	M1	LRRC59
EXD2	1.66E-27	-0.10781	0.027	0.108	2.48E-23	M1	EXD2
ZNF227.1	1.72E-27	-0.13454	0.03	0.113	2.57E-23	M1	ZNF227
RAB9B.1	1.77E-27	-0.18111	0.003	0.063	2.64E-23	M1	RAB9B
SLC27A3.2	1.83E-27	-0.16129	0.046	0.138	2.74E-23	M1	SLC27A3
DUOX1.4	1.84E-27	-0.17646	0.009	0.074	2.75E-23	M1	DUOX1
NIFK-AS1	1.84E-27	-0.16829	0.023	0.101	2.75E-23	M1	NIFK-AS1
ISOC1.1	1.87E-27	-0.13334	0.075	0.182	2.80E-23	M1	ISOC1
RNF20.1	1.88E-27	-0.1265	0.064	0.166	2.81E-23	M1	RNF20
TAX1BP1.1	1.88E-27	-0.19653	0.347	0.545	2.82E-23	M1	TAX1BP1
TMEM42.2	2.02E-27	-0.12824	0.072	0.179	3.02E-23	M1	TMEM42
GIMAP7.2	2.02E-27	0.215282	0.105	0.044	3.02E-23	M1	GIMAP7
DLX6.4	2.03E-27	-0.23651	0.005	0.067	3.04E-23	M1	DLX6
ZNF582-AS	2.05E-27	-0.19186	0.016	0.088	3.07E-23	M1	ZNF582-AS1
C5orf51	2.13E-27	-0.10839	0.026	0.106	3.18E-23	M1	C5orf51
PEX2.1	2.14E-27	-0.13066	0.149	0.292	3.20E-23	M1	PEX2
CCDC126.1	2.17E-27	-0.16385	0.042	0.13	3.24E-23	M1	CCDC126
TCEB3.2	2.20E-27	-0.10202	0.082	0.195	3.29E-23	M1	TCEB3
FBXW7.2	2.27E-27	-0.12808	0.049	0.143	3.39E-23	M1	FBXW7

ZNF337.1	2.27E-27	-0.12696	0.013	0.082	3.39E-23	M1	ZNF337
CACNG4.1	2.28E-27	-0.15212	0.001	0.059	3.41E-23	M1	CACNG4
TFPI.1	2.30E-27	-0.1793	0.003	0.063	3.44E-23	M1	TFPI
RNF135.4	2.33E-27	0.346552	0.173	0.098	3.47E-23	M1	RNF135
ZNF134	2.34E-27	-0.1415	0.017	0.089	3.49E-23	M1	ZNF134
REPS1.3	2.35E-27	-0.11221	0.049	0.143	3.52E-23	M1	REPS1
TCHP.1	2.38E-27	-0.11113	0.038	0.126	3.56E-23	M1	TCHP
CDC20.2	2.41E-27	-0.24043	0.012	0.08	3.61E-23	M1	CDC20
NENF.2	2.41E-27	-0.2441	0.348	0.523	3.61E-23	M1	NENF
CCER2.3	2.45E-27	-0.22494	0.004	0.065	3.66E-23	M1	CCER2
LTBP1.2	2.51E-27	-0.11788	0.002	0.06	3.76E-23	M1	LTBP1
UNC119B.1	2.53E-27	-0.12035	0.008	0.074	3.78E-23	M1	UNC119B
PTPRK.1	2.58E-27	-0.23404	0.005	0.067	3.85E-23	M1	PTPRK
USP42.2	2.60E-27	-0.12415	0.046	0.138	3.88E-23	M1	USP42
PCM1.3	2.64E-27	-0.10478	0.189	0.351	3.95E-23	M1	PCM1
TP53I11.3	2.65E-27	0.297788	0.128	0.062	3.95E-23	M1	TP53I11
PDZRN3.2	2.68E-27	-0.16613	0.005	0.067	4.00E-23	M1	PDZRN3
CA8.3	2.75E-27	-0.23973	0.004	0.065	4.10E-23	M1	CA8
FAM19A5.1	2.76E-27	-0.16433	0	0.057	4.12E-23	M1	FAM19A5
FBXO22	2.77E-27	-0.15414	0.057	0.154	4.14E-23	M1	FBXO22
ZFHx4-AS1	2.77E-27	-0.10845	0.002	0.06	4.14E-23	M1	ZFHx4-AS1
C17orf80.	2.85E-27	-0.10395	0.021	0.097	4.25E-23	M1	C17orf80
CPQ.2	2.90E-27	0.358503	0.25	0.163	4.34E-23	M1	CPQ
POGK.2	2.95E-27	-0.10961	0.05	0.145	4.40E-23	M1	POGK
LINC00667	2.98E-27	-0.11674	0.131	0.266	4.45E-23	M1	LINC00667
DLEU1	3.04E-27	-0.12097	0.024	0.102	4.55E-23	M1	DLEU1
NFKB1.4	3.10E-27	0.381376	0.165	0.092	4.63E-23	M1	NFKB1
GPKOW.1	3.18E-27	-0.13656	0.057	0.154	4.75E-23	M1	GPKOW
OTUD6B.2	3.19E-27	-0.10531	0.044	0.135	4.76E-23	M1	OTUD6B
TACC2.1	3.23E-27	-0.1206	0.005	0.067	4.82E-23	M1	TACC2
DHX57.1	3.29E-27	-0.13604	0.028	0.108	4.91E-23	M1	DHX57
MZF1	3.34E-27	-0.12222	0.026	0.105	5.00E-23	M1	MZF1
ZNF408.2	3.46E-27	-0.11441	0.016	0.087	5.17E-23	M1	ZNF408
NUDC.3	3.50E-27	-0.19992	0.409	0.614	5.23E-23	M1	NUDC
MFSD6.1	3.53E-27	-0.15761	0.009	0.075	5.28E-23	M1	MFSD6
CTC-524C5	3.57E-27	-0.1129	0.043	0.133	5.34E-23	M1	CTC-524C5.2
LSG1.2	3.71E-27	-0.13132	0.05	0.144	5.54E-23	M1	LSG1
ZNF136.2	3.77E-27	-0.14539	0.03	0.111	5.64E-23	M1	ZNF136
TMEM17.1	3.81E-27	-0.13897	0.004	0.065	5.69E-23	M1	TMEM17
TRAF3IP2	3.84E-27	-0.13262	0.029	0.109	5.74E-23	M1	TRAF3IP2
FAM216A.2	3.87E-27	-0.13265	0.046	0.137	5.78E-23	M1	FAM216A
TMEM231.2	3.92E-27	-0.12814	0.008	0.073	5.86E-23	M1	TMEM231
ADAM23.1	3.98E-27	-0.12294	0.001	0.059	5.94E-23	M1	ADAM23
ZCCHC24.2	4.04E-27	-0.20539	0.032	0.113	6.04E-23	M1	ZCCHC24
PHPT1.2	4.06E-27	-0.23137	0.5	0.682	6.07E-23	M1	PHPT1
FAM184A.1	4.12E-27	-0.12228	0.002	0.061	6.15E-23	M1	FAM184A
CLEC12A.2	4.13E-27	0.175038	0.05	0.014	6.17E-23	M1	CLEC12A
PSMD6.2	4.17E-27	-0.15356	0.212	0.378	6.23E-23	M1	PSMD6
CTNNA1.1	4.25E-27	-0.18887	0.27	0.452	6.35E-23	M1	CTNNA1
DLAT.1	4.31E-27	-0.11178	0.048	0.142	6.43E-23	M1	DLAT
TIMM10.2	4.32E-27	-0.1764	0.216	0.382	6.46E-23	M1	TIMM10

RNF146.1	4.32E-27	-0.10817	0.139	0.278	6.46E-23	M1	RNF146
THBS4.2	4.44E-27	-0.13353	0.002	0.061	6.63E-23	M1	THBS4
ZBED3.2	4.55E-27	-0.11411	0.024	0.101	6.80E-23	M1	ZBED3
SALL1.3	4.60E-27	-0.11295	0.056	0.154	6.88E-23	M1	SALL1
SMCR5.2	4.76E-27	-0.10356	0.026	0.105	7.11E-23	M1	SMCR5
NDUFS3.2	4.88E-27	-0.19149	0.324	0.523	7.29E-23	M1	NDUFS3
ZNF174.2	4.97E-27	-0.12101	0.013	0.082	7.43E-23	M1	ZNF174
UBQLN4.1	5.04E-27	-0.11932	0.033	0.116	7.53E-23	M1	UBQLN4
CCDC8.1	5.30E-27	-0.12005	0.001	0.057	7.93E-23	M1	CCDC8
PHB.2	5.47E-27	-0.22406	0.398	0.586	8.18E-23	M1	PHB
ZNF530.2	5.48E-27	-0.13882	0.007	0.07	8.19E-23	M1	ZNF530
LSM4.2	5.49E-27	-0.20666	0.404	0.592	8.21E-23	M1	LSM4
TNNI2.3	5.50E-27	0.192532	0.049	0.013	8.22E-23	M1	TNNI2
MSRB1.1	5.56E-27	-0.10186	0.114	0.241	8.30E-23	M1	MSRB1
DUSP8.2	5.79E-27	-0.16671	0.002	0.06	8.66E-23	M1	DUSP8
ANK3.3	5.80E-27	-0.20034	0.007	0.071	8.67E-23	M1	ANK3
MTCH2.1	5.96E-27	-0.15995	0.274	0.459	8.90E-23	M1	MTCH2
POMT2	5.98E-27	-0.11737	0.014	0.083	8.93E-23	M1	POMT2
ZFP64.1	6.00E-27	-0.12045	0.017	0.089	8.96E-23	M1	ZFP64
AADAT.1	6.01E-27	-0.12505	0.003	0.062	8.98E-23	M1	AADAT
CPSF6.2	6.10E-27	-0.13276	0.199	0.356	9.11E-23	M1	CPSF6
SUPT7L	6.27E-27	-0.10546	0.092	0.209	9.37E-23	M1	SUPT7L
TBC1D10B.6	6.28E-27	-0.12618	0.032	0.113	9.39E-23	M1	TBC1D10B
P2RY8	6.29E-27	0.142122	0.04	0.009	9.39E-23	M1	P2RY8
RNF220.3	6.32E-27	-0.13188	0.064	0.165	9.44E-23	M1	RNF220
DNASE1.1	6.55E-27	-0.12228	0.02	0.094	9.79E-23	M1	DNASE1
PDE8B.1	6.60E-27	-0.12307	0.001	0.057	9.86E-23	M1	PDE8B
EIF2S1.1	6.63E-27	-0.14231	0.188	0.346	9.91E-23	M1	EIF2S1
ZNF514.2	6.70E-27	-0.15611	0.021	0.096	1.00E-22	M1	ZNF514
ZSCAN16-A.6	6.84E-27	-0.12171	0.142	0.281	1.02E-22	M1	ZSCAN16-AS1
EFNA3.1	6.93E-27	-0.18935	0.007	0.07	1.04E-22	M1	EFNA3
LRTOMT.2	6.99E-27	-0.16011	0.014	0.083	1.04E-22	M1	LRTOMT
FKBP11.2	7.33E-27	-0.17953	0.043	0.131	1.09E-22	M1	FKBP11
MSN.4	7.48E-27	0.338317	0.423	0.366	1.12E-22	M1	MSN
ST3GAL3.2	7.65E-27	-0.11351	0.023	0.099	1.14E-22	M1	ST3GAL3
TMEM169.2	7.66E-27	-0.14115	0.006	0.068	1.14E-22	M1	TMEM169
ORC5.3	7.77E-27	-0.18234	0.032	0.113	1.16E-22	M1	ORC5
ING5.1	7.94E-27	-0.12693	0.042	0.131	1.19E-22	M1	ING5
B3GAT3.2	8.10E-27	-0.18331	0.236	0.407	1.21E-22	M1	B3GAT3
FGF9.3	8.14E-27	-0.2043	0.002	0.06	1.22E-22	M1	FGF9
HIGD1A.2	8.19E-27	-0.18777	0.276	0.458	1.22E-22	M1	HIGD1A
GPR75-ASE.8	8.36E-27	-0.14064	0.023	0.099	1.25E-22	M1	GPR75-ASB3
CAP2.1	8.57E-27	-0.16424	0.006	0.067	1.28E-22	M1	CAP2
ARHGAP23.8	8.71E-27	-0.15443	0.003	0.062	1.30E-22	M1	ARHGAP23
B3GALT1.2	8.87E-27	-0.11044	0.002	0.06	1.33E-22	M1	B3GALT1
VPS16.1	9.48E-27	-0.10199	0.083	0.193	1.42E-22	M1	VPS16
HID1.1	9.58E-27	-0.14813	0.003	0.062	1.43E-22	M1	HID1
HAUS4.4	9.89E-27	0.32168	0.112	0.051	1.48E-22	M1	HAUS4
LGALS1.3	1.00E-26	-0.30871	0.67	0.711	1.50E-22	M1	LGALS1
XKR4.2	1.02E-26	-0.16468	0.006	0.067	1.53E-22	M1	XKR4
TRIM23.1	1.06E-26	-0.14902	0.019	0.092	1.58E-22	M1	TRIM23

CPSF3L. 1	1. 09E-26	-0. 11962	0. 155	0. 298	1. 63E-22 M1	CPSF3L
TOR4A. 3	1. 10E-26	0. 17512	0. 06	0. 018	1. 65E-22 M1	TOR4A
LCA5. 1	1. 14E-26	-0. 12554	0. 002	0. 06	1. 70E-22 M1	LCA5
PAQR3. 2	1. 16E-26	-0. 13414	0. 017	0. 089	1. 73E-22 M1	PAQR3
CXCL14. 1	1. 16E-26	-0. 20842	0. 06	0. 158	1. 73E-22 M1	CXCL14
BTBD17. 3	1. 26E-26	-0. 20044	0. 003	0. 062	1. 88E-22 M1	BTBD17
KCNK6. 2	1. 31E-26	0. 242528	0. 082	0. 031	1. 95E-22 M1	KCNK6
CYP3A5. 1	1. 31E-26	-0. 13887	0. 007	0. 07	1. 96E-22 M1	CYP3A5
BCR. 2	1. 32E-26	-0. 13931	0. 009	0. 074	1. 97E-22 M1	BCR
STK38L. 3	1. 35E-26	0. 424235	0. 215	0. 137	2. 02E-22 M1	STK38L
TMEM38B. 1	1. 39E-26	-0. 16163	0. 078	0. 184	2. 08E-22 M1	TMEM38B
ALDH1L1. 3	1. 42E-26	-0. 26735	0. 01	0. 074	2. 12E-22 M1	ALDH1L1
RAB4A. 2	1. 54E-26	-0. 11029	0. 203	0. 369	2. 30E-22 M1	RAB4A
NPHP1. 2	1. 55E-26	-0. 12356	0. 013	0. 08	2. 31E-22 M1	NPHP1
SYNCRIP. 3	1. 56E-26	-0. 13672	0. 238	0. 413	2. 32E-22 M1	SYNCRIP
ATPAF1. 4	1. 59E-26	-0. 11988	0. 13	0. 262	2. 38E-22 M1	ATPAF1
CTC-459F4	1. 61E-26	-0. 12399	0. 01	0. 076	2. 41E-22 M1	CTC-459F4. 3
ACO16831. 1	1. 63E-26	0. 320467	0. 125	0. 06	2. 44E-22 M1	ACO16831. 7
CPNE5. 2	1. 67E-26	-0. 10952	0. 003	0. 061	2. 49E-22 M1	CPNE5
GTF2H1. 1	1. 77E-26	-0. 10253	0. 085	0. 195	2. 64E-22 M1	GTF2H1
RP11-421L	1. 77E-26	-0. 15951	0. 02	0. 094	2. 65E-22 M1	RP11-421L21. 3
NME5. 2	1. 81E-26	-0. 13466	0. 002	0. 058	2. 71E-22 M1	NME5
POLR1E. 1	1. 82E-26	-0. 12662	0. 04	0. 127	2. 72E-22 M1	POLR1E
BLM	1. 88E-26	-0. 12668	0. 019	0. 092	2. 81E-22 M1	BLM
SKIV2L2. 2	1. 89E-26	-0. 12221	0. 07	0. 173	2. 83E-22 M1	SKIV2L2
FUBP1. 3	1. 97E-26	-0. 14166	0. 121	0. 245	2. 94E-22 M1	FUBP1
MKS1	2. 03E-26	-0. 11595	0. 026	0. 103	3. 03E-22 M1	MKS1
UMPS. 2	2. 05E-26	-0. 13188	0. 055	0. 149	3. 07E-22 M1	UMPS
RP11-66B2	2. 06E-26	0. 153097	0. 036	0. 007	3. 08E-22 M1	RP11-66B24. 2
CHRNA9. 1	2. 08E-26	-0. 13602	0. 002	0. 058	3. 10E-22 M1	CHRNA9
CDIP1	2. 17E-26	-0. 10179	0. 092	0. 205	3. 24E-22 M1	CDIP1
SNN. 4	2. 18E-26	-0. 14775	0. 123	0. 246	3. 25E-22 M1	SNN
AKAP11. 3	2. 25E-26	-0. 12493	0. 066	0. 167	3. 36E-22 M1	AKAP11
PRC1. 3	2. 26E-26	-0. 21334	0. 024	0. 098	3. 38E-22 M1	PRC1
DBF4. 2	2. 27E-26	-0. 16509	0. 047	0. 136	3. 39E-22 M1	DBF4
FRS2. 3	2. 29E-26	-0. 18637	0. 041	0. 125	3. 42E-22 M1	FRS2
SCFD1. 2	2. 29E-26	-0. 11663	0. 14	0. 275	3. 43E-22 M1	SCFD1
CTPS1. 1	2. 30E-26	-0. 12596	0. 036	0. 12	3. 44E-22 M1	CTPS1
GEMIN6. 1	2. 37E-26	-0. 14185	0. 075	0. 18	3. 54E-22 M1	GEMIN6
ACO11043. 1	2. 39E-26	-0. 13249	0. 009	0. 073	3. 57E-22 M1	ACO11043. 1
NVL. 2	2. 43E-26	-0. 14136	0. 038	0. 123	3. 63E-22 M1	NVL
KCTD17. 3	2. 47E-26	-0. 11508	0. 056	0. 151	3. 69E-22 M1	KCTD17
ARRDC1. 4	2. 53E-26	0. 396527	0. 197	0. 122	3. 78E-22 M1	ARRDC1
HOMER2	2. 53E-26	-0. 10361	0. 005	0. 065	3. 78E-22 M1	HOMER2
ARL1. 2	2. 64E-26	-0. 19184	0. 189	0. 338	3. 94E-22 M1	ARL1
DENND5A. 2	2. 73E-26	-0. 10909	0. 086	0. 197	4. 08E-22 M1	DENND5A
RUNX1. 4	2. 76E-26	0. 42613	0. 253	0. 178	4. 12E-22 M1	RUNX1
EIF3E. 3	2. 78E-26	0. 166394	0. 641	0. 648	4. 16E-22 M1	EIF3E
CDT1. 2	2. 90E-26	-0. 1601	0. 008	0. 071	4. 33E-22 M1	CDT1
SCRIB. 1	2. 90E-26	-0. 1141	0. 026	0. 104	4. 34E-22 M1	SCRIB
SAMD1. 2	2. 97E-26	-0. 11837	0. 034	0. 116	4. 44E-22 M1	SAMD1



PCDH8	2.99E-26	-0.13806	0.001	0.057	4.46E-22	M1	PCDH8
CDCA3.3	3.05E-26	-0.18307	0.004	0.062	4.56E-22	M1	CDCA3
EXOC4.1	3.22E-26	-0.11801	0.076	0.181	4.82E-22	M1	EXOC4
MICU2.1	3.29E-26	-0.1109	0.127	0.256	4.91E-22	M1	MICU2
LRP4.1	3.31E-26	-0.15271	0.007	0.069	4.95E-22	M1	LRP4
PCNP.3	3.36E-26	-0.18004	0.368	0.571	5.01E-22	M1	PCNP
UBA6-AS1.	3.38E-26	-0.15684	0.022	0.096	5.06E-22	M1	UBA6-AS1
PSMC2.2	3.46E-26	-0.18205	0.299	0.491	5.17E-22	M1	PSMC2
JADE1.2	3.54E-26	-0.14731	0.049	0.139	5.30E-22	M1	JADE1
HCG18.1	3.55E-26	-0.1132	0.041	0.127	5.31E-22	M1	HCG18
E4F1.1	3.56E-26	-0.11451	0.042	0.13	5.32E-22	M1	E4F1
TOP1MT.1	3.73E-26	-0.12561	0.016	0.085	5.57E-22	M1	TOP1MT
NDUFB9.2	3.85E-26	-0.23472	0.532	0.72	5.76E-22	M1	NDUFB9
ZNF133.1	3.92E-26	-0.10937	0.019	0.091	5.85E-22	M1	ZNF133
ILVBL.1	4.12E-26	-0.12159	0.139	0.274	6.16E-22	M1	ILVBL
RGS11.1	4.14E-26	-0.14737	0.001	0.057	6.18E-22	M1	RGS11
PSME1.3	4.19E-26	0.156942	0.615	0.577	6.26E-22	M1	PSME1
ANAPC5.2	4.22E-26	-0.11129	0.247	0.426	6.30E-22	M1	ANAPC5
TRIP6.4	4.26E-26	-0.17565	0.139	0.271	6.36E-22	M1	TRIP6
TMEM106A.	4.27E-26	0.279647	0.115	0.053	6.39E-22	M1	TMEM106A
SCAP.2	4.32E-26	-0.11587	0.071	0.174	6.45E-22	M1	SCAP
WDR25.1	4.35E-26	-0.1003	0.031	0.111	6.50E-22	M1	WDR25
PCDH12	4.37E-26	0.153663	0.043	0.01	6.53E-22	M1	PCDH12
EYA2.1	4.43E-26	-0.10868	0.018	0.09	6.62E-22	M1	EYA2
ABLIM1.3	4.47E-26	-0.13213	0.004	0.063	6.68E-22	M1	ABLIM1
RIOK3.2	4.60E-26	-0.10923	0.097	0.212	6.87E-22	M1	RIOK3
RHPN1.1	5.12E-26	-0.12184	0.002	0.059	7.65E-22	M1	RHPN1
SEPT6.4	5.23E-26	0.401687	0.232	0.153	7.82E-22	M1	6-Sep
POM121.1	5.39E-26	-0.10777	0.071	0.174	8.05E-22	M1	POM121
LEMD1.1	5.45E-26	-0.16267	0.001	0.055	8.14E-22	M1	LEMD1
RASSF3.3	5.46E-26	0.239473	0.084	0.033	8.16E-22	M1	RASSF3
ARL14EP.1	5.47E-26	-0.12667	0.089	0.199	8.17E-22	M1	ARL14EP
LAMTOR1.2	5.63E-26	0.141149	0.662	0.653	8.41E-22	M1	LAMTOR1
ZNF768.2	5.71E-26	-0.10752	0.029	0.108	8.53E-22	M1	ZNF768
VPS45.1	5.73E-26	-0.11931	0.08	0.186	8.57E-22	M1	VPS45
PMEPA1.4	5.75E-26	-0.13141	0.104	0.221	8.59E-22	M1	PMEPA1
HAP1.1	5.85E-26	-0.14137	0.013	0.079	8.74E-22	M1	HAP1
RNF115.2	5.87E-26	-0.10588	0.133	0.265	8.77E-22	M1	RNF115
IRGQ.2	5.87E-26	-0.12487	0.024	0.1	8.77E-22	M1	IRGQ
CLHC1.1	5.99E-26	-0.13666	0.013	0.079	8.95E-22	M1	CLHC1
LAMTOR3.1	6.02E-26	-0.10418	0.146	0.283	9.00E-22	M1	LAMTOR3
C1QTNF4.2	6.05E-26	-0.18038	0.006	0.066	9.05E-22	M1	C1QTNF4
ERBB2	6.12E-26	-0.13733	0.007	0.069	9.14E-22	M1	ERBB2
GTPBP3.1	6.13E-26	-0.13056	0.041	0.127	9.16E-22	M1	GTPBP3
SDC1.1	6.14E-26	-0.11305	0.002	0.057	9.18E-22	M1	SDC1
SEMA3E.1	6.36E-26	-0.12401	0.004	0.061	9.50E-22	M1	SEMA3E
ARL11.3	6.40E-26	0.219268	0.08	0.031	9.57E-22	M1	ARL11
ZSCAN32.1	6.82E-26	-0.12843	0.012	0.078	1.02E-21	M1	ZSCAN32
OTP	6.90E-26	-0.10733	0	0.054	1.03E-21	M1	OTP
C3orf17.1	7.03E-26	-0.12657	0.062	0.159	1.05E-21	M1	C3orf17
MPP5.2	7.08E-26	-0.13453	0.03	0.109	1.06E-21	M1	MPP5

ZNF585A.1	7.13E-26	-0.12636	0.008	0.07	1.07E-21	M1	ZNF585A
PRPF40A.2	7.54E-26	-0.15826	0.292	0.482	1.13E-21	M1	PRPF40A
RRAS	7.63E-26	-0.10953	0.037	0.12	1.14E-21	M1	RRAS
GBE1.2	7.67E-26	-0.20546	0.095	0.203	1.15E-21	M1	GBE1
IGFBP6.2	7.88E-26	-0.21961	0.012	0.077	1.18E-21	M1	IGFBP6
GRIA1	7.92E-26	-0.10586	0.002	0.057	1.18E-21	M1	GRIA1
P2RY1	8.25E-26	-0.10079	0.001	0.056	1.23E-21	M1	P2RY1
GAS8.1	8.25E-26	-0.13803	0.013	0.079	1.23E-21	M1	GAS8
POLR1C.4	8.42E-26	-0.12267	0.047	0.136	1.26E-21	M1	POLR1C
RP11-798M	8.61E-26	-0.13222	0.066	0.165	1.29E-21	M1	RP11-798M19.6
SMO.2	8.78E-26	-0.10901	0.004	0.061	1.31E-21	M1	SMO
SYNGAP1.2	8.88E-26	-0.13196	0.005	0.064	1.33E-21	M1	SYNGAP1
RP11-486G	9.18E-26	-0.14863	0.001	0.055	1.37E-21	M1	RP11-486G15.2
CHMP1A.2	9.50E-26	-0.10837	0.156	0.297	1.42E-21	M1	CHMP1A
TSHZ2.2	9.85E-26	-0.22377	0.003	0.059	1.47E-21	M1	TSHZ2
C5orf56.3	9.92E-26	-0.14371	0.041	0.125	1.48E-21	M1	C5orf56
COL8A2.1	9.92E-26	0.188038	0.055	0.017	1.48E-21	M1	COL8A2
CTSF.3	1.05E-25	-0.12327	0.153	0.293	1.56E-21	M1	CTSF
ST3GAL1.4	1.05E-25	0.338119	0.163	0.09	1.58E-21	M1	ST3GAL1
IDH3B.1	1.12E-25	-0.14149	0.271	0.454	1.67E-21	M1	IDH3B
SHC3	1.14E-25	-0.10018	0.002	0.058	1.71E-21	M1	SHC3
GFPT2.1	1.22E-25	-0.15779	0.004	0.062	1.83E-21	M1	GFPT2
SLC16A9.2	1.23E-25	-0.11576	0.002	0.057	1.84E-21	M1	SLC16A9
SLC45A1.1	1.24E-25	-0.12689	0.003	0.06	1.85E-21	M1	SLC45A1
GTSE1.2	1.25E-25	-0.16349	0.007	0.068	1.87E-21	M1	GTSE1
PHF21A.1	1.30E-25	-0.10218	0.041	0.127	1.94E-21	M1	PHF21A
FBLN7	1.31E-25	-0.10733	0.002	0.057	1.96E-21	M1	FBLN7
TMA16.1	1.36E-25	-0.11324	0.104	0.22	2.03E-21	M1	TMA16
DECR2	1.41E-25	-0.15559	0.029	0.105	2.11E-21	M1	DECR2
C21orf58.1	1.43E-25	-0.12705	0.005	0.063	2.13E-21	M1	C21orf58
MOXD1.2	1.43E-25	-0.12774	0.005	0.063	2.14E-21	M1	MOXD1
KRI1.1	1.76E-25	-0.12386	0.036	0.117	2.63E-21	M1	KRI1
SH2B2.3	1.78E-25	-0.12377	0.039	0.122	2.65E-21	M1	SH2B2
KAT6B.2	1.78E-25	-0.12266	0.048	0.137	2.67E-21	M1	KAT6B
CCNA2.3	1.79E-25	-0.18926	0.007	0.066	2.68E-21	M1	CCNA2
GOLGA8B	1.82E-25	-0.1241	0.003	0.059	2.73E-21	M1	GOLGA8B
AATF.1	1.86E-25	-0.10479	0.169	0.315	2.78E-21	M1	AATF
RASGRP4.1	1.89E-25	0.177208	0.05	0.014	2.82E-21	M1	RASGRP4
METTL6	1.95E-25	-0.11816	0.036	0.118	2.91E-21	M1	METTL6
ELK1.1	1.96E-25	-0.10898	0.034	0.114	2.93E-21	M1	ELK1
MGP.3	2.02E-25	-0.77528	0.039	0.117	3.01E-21	M1	MGP
UBA6.1	2.03E-25	-0.12694	0.1	0.214	3.04E-21	M1	UBA6
SPC24.4	2.07E-25	-0.1616	0.003	0.058	3.09E-21	M1	SPC24
CTDNEP1.3	2.08E-25	-0.13145	0.19	0.338	3.11E-21	M1	CTDNEP1
NOM1.2	2.14E-25	-0.11698	0.044	0.13	3.19E-21	M1	NOM1
APRT.2	2.16E-25	0.17919	0.561	0.525	3.23E-21	M1	APRT
LINC00909	2.22E-25	-0.10958	0.041	0.126	3.32E-21	M1	LINC00909
BBX.1	2.22E-25	-0.14481	0.259	0.436	3.32E-21	M1	BBX
AURKB.3	2.26E-25	-0.20931	0.003	0.058	3.38E-21	M1	AURKB
ZNF324.2	2.35E-25	-0.12477	0.022	0.094	3.51E-21	M1	ZNF324
MKL2.3	2.37E-25	-0.1193	0.019	0.089	3.55E-21	M1	MKL2

LRPPRC. 2	2. 48E-25	-0. 11946	0. 08	0. 185	3. 70E-21	M1	LRPPRC
SORBS2. 2	2. 51E-25	-0. 18905	0. 004	0. 06	3. 75E-21	M1	SORBS2
ZNF286A. 1	2. 59E-25	-0. 14001	0. 008	0. 069	3. 87E-21	M1	ZNF286A
WDR41. 1	2. 61E-25	-0. 10966	0. 122	0. 246	3. 91E-21	M1	WDR41
TTL4. 1	2. 65E-25	-0. 1392	0. 015	0. 082	3. 96E-21	M1	TTL4
ST3GAL2. 1	2. 68E-25	-0. 10341	0. 033	0. 113	4. 01E-21	M1	ST3GAL2
NCS1. 2	2. 78E-25	-0. 12753	0. 009	0. 071	4. 15E-21	M1	NCS1
RNF182. 2	2. 83E-25	-0. 13451	0. 003	0. 058	4. 23E-21	M1	RNF182
IL17RB. 2	2. 88E-25	-0. 1735	0. 001	0. 055	4. 31E-21	M1	IL17RB
NIP7. 3	2. 91E-25	-0. 10233	0. 084	0. 19	4. 35E-21	M1	NIP7
HSD17B14. 2	2. 93E-25	0. 330972	0. 151	0. 08	4. 38E-21	M1	HSD17B14
AVPI1. 4	2. 95E-25	0. 35641	0. 151	0. 082	4. 41E-21	M1	AVPI1
GDPD1. 2	2. 97E-25	-0. 10963	0. 013	0. 078	4. 44E-21	M1	GDPD1
PEX11B. 2	3. 00E-25	-0. 12747	0. 056	0. 148	4. 49E-21	M1	PEX11B
ZEB2-AS1. 3	3. 05E-25	0. 286619	0. 072	0. 026	4. 56E-21	M1	ZEB2-AS1
JOSD2. 2	3. 06E-25	-0. 14136	0. 205	0. 361	4. 58E-21	M1	JOSD2
MOB3B. 3	3. 11E-25	-0. 16853	0. 03	0. 107	4. 64E-21	M1	MOB3B
NOA1. 2	3. 21E-25	-0. 13114	0. 064	0. 159	4. 80E-21	M1	NOA1
MCM6	3. 25E-25	-0. 15012	0. 029	0. 105	4. 85E-21	M1	MCM6
ZFYVE21. 3	3. 26E-25	-0. 14626	0. 153	0. 289	4. 87E-21	M1	ZFYVE21
RASSF8. 1	3. 30E-25	-0. 10574	0. 025	0. 1	4. 93E-21	M1	RASSF8
GAB1. 2	3. 32E-25	-0. 10363	0. 035	0. 115	4. 95E-21	M1	GAB1
AGK. 1	3. 32E-25	-0. 13414	0. 034	0. 113	4. 95E-21	M1	AGK
STOML1. 2	3. 38E-25	-0. 14196	0. 035	0. 114	5. 05E-21	M1	STOML1
MED8. 1	3. 45E-25	-0. 14223	0. 121	0. 245	5. 15E-21	M1	MED8
HAS2. 1	3. 46E-25	-0. 13891	0. 005	0. 062	5. 17E-21	M1	HAS2
HS3ST3B1. 3	3. 49E-25	0. 201379	0. 083	0. 033	5. 21E-21	M1	HS3ST3B1
DPH2. 2	3. 53E-25	-0. 12345	0. 045	0. 13	5. 28E-21	M1	DPH2
ERCC1. 4	3. 54E-25	0. 317829	0. 497	0. 467	5. 30E-21	M1	ERCC1
EFHD1. 1	3. 55E-25	-0. 29164	0. 008	0. 068	5. 30E-21	M1	EFHD1
PGBD1. 2	3. 58E-25	-0. 10368	0. 015	0. 082	5. 35E-21	M1	PGBD1
G3BP1. 1	3. 71E-25	-0. 11558	0. 186	0. 339	5. 55E-21	M1	G3BP1
SLC25A13	3. 71E-25	-0. 13789	0. 052	0. 142	5. 55E-21	M1	SLC25A13
SDF2. 1	3. 78E-25	-0. 10237	0. 218	0. 384	5. 65E-21	M1	SDF2
PPP2R3A. 1	3. 78E-25	-0. 11482	0. 009	0. 071	5. 65E-21	M1	PPP2R3A
PIGZ. 2	3. 80E-25	-0. 10969	0. 01	0. 073	5. 67E-21	M1	PIGZ
COG8. 1	3. 84E-25	-0. 11592	0. 029	0. 105	5. 73E-21	M1	COG8
KLF10. 2	3. 87E-25	0. 371235	0. 301	0. 219	5. 78E-21	M1	KLF10
RP11-362F	4. 11E-25	0. 174026	0. 042	0. 01	6. 14E-21	M1	RP11-362F19. 1
DNAJC6. 1	4. 21E-25	-0. 1607	0. 005	0. 062	6. 30E-21	M1	DNAJC6
CCDC74A. 2	4. 22E-25	-0. 13804	0. 003	0. 058	6. 30E-21	M1	CCDC74A
HECTD4. 1	4. 26E-25	-0. 12004	0. 028	0. 103	6. 36E-21	M1	HECTD4
PAK7. 3	4. 31E-25	-0. 17496	0. 002	0. 055	6. 44E-21	M1	PAK7
CCNB1IP1. 4	4. 46E-25	-0. 10254	0. 079	0. 182	6. 66E-21	M1	CCNB1IP1
F13A1. 1	4. 48E-25	0. 13675	0. 237	0. 143	6. 69E-21	M1	F13A1
WDR45B. 2	4. 53E-25	-0. 13696	0. 255	0. 433	6. 77E-21	M1	WDR45B
CCDC92. 2	4. 60E-25	-0. 13074	0. 035	0. 115	6. 87E-21	M1	CCDC92
FAM96B. 3	4. 68E-25	-0. 20886	0. 492	0. 691	7. 00E-21	M1	FAM96B
TF. 4	4. 82E-25	-0. 39909	0. 017	0. 084	7. 21E-21	M1	TF
ZNF558. 1	4. 93E-25	-0. 12448	0. 019	0. 089	7. 36E-21	M1	ZNF558
HSPB6. 3	5. 10E-25	-0. 14542	0. 009	0. 07	7. 62E-21	M1	HSPB6

PIP4K2C. 2	5. 12E-25	-0. 18841	0. 041	0. 123	7. 65E-21 M1	PIP4K2C
BNIP1. 3	5. 15E-25	-0. 16529	0. 048	0. 134	7. 69E-21 M1	BNIP1
ARPP21. 2	5. 20E-25	-0. 1708	0. 004	0. 059	7. 77E-21 M1	ARPP21
TMEM185A. 5	5. 21E-25	-0. 1046	0. 021	0. 092	7. 79E-21 M1	TMEM185A
WDR47. 1	5. 42E-25	-0. 13201	0. 037	0. 117	8. 10E-21 M1	WDR47
MCUR1. 3	5. 44E-25	-0. 10484	0. 148	0. 285	8. 13E-21 M1	MCUR1
PRMT5. 3	5. 74E-25	-0. 17237	0. 07	0. 167	8. 57E-21 M1	PRMT5
ZCCHC6. 4	5. 85E-25	0. 378452	0. 197	0. 123	8. 74E-21 M1	ZCCHC6
CAB39L. 2	5. 86E-25	-0. 12587	0. 017	0. 085	8. 75E-21 M1	CAB39L
FRMD3. 2	5. 88E-25	-0. 17793	0. 007	0. 065	8. 79E-21 M1	FRMD3
GLMN. 1	5. 92E-25	-0. 14349	0. 028	0. 103	8. 84E-21 M1	GLMN
EIF5A2. 1	5. 94E-25	-0. 12123	0. 008	0. 067	8. 87E-21 M1	EIF5A2
PDZD4. 2	6. 08E-25	-0. 14558	0. 002	0. 056	9. 08E-21 M1	PDZD4
IFT80. 1	6. 27E-25	-0. 1012	0. 015	0. 082	9. 38E-21 M1	IFT80
RPUSD2. 1	6. 33E-25	-0. 11001	0. 014	0. 079	9. 46E-21 M1	RPUSD2
YAF2. 2	6. 44E-25	-0. 10596	0. 213	0. 373	9. 62E-21 M1	YAF2
COX7A2. 1	6. 45E-25	-0. 18504	0. 725	0. 827	9. 63E-21 M1	COX7A2
SGIP1. 1	6. 53E-25	-0. 18981	0. 004	0. 059	9. 76E-21 M1	SGIP1
MYNN	6. 69E-25	-0. 11886	0. 036	0. 116	1. 00E-20 M1	MYNN
ZFYVE9	6. 85E-25	-0. 12079	0. 003	0. 057	1. 02E-20 M1	ZFYVE9
KDEL3	6. 87E-25	-0. 11868	0. 009	0. 07	1. 03E-20 M1	KDEL3
NUDCD1. 2	7. 17E-25	-0. 11212	0. 035	0. 114	1. 07E-20 M1	NUDCD1
VAV3. 1	7. 47E-25	-0. 10754	0. 012	0. 076	1. 12E-20 M1	VAV3
MID1. 1	7. 83E-25	-0. 13797	0. 004	0. 059	1. 17E-20 M1	MID1
CSPP1. 2	7. 84E-25	-0. 12017	0. 038	0. 119	1. 17E-20 M1	CSPP1
COQ5. 2	8. 16E-25	-0. 10494	0. 101	0. 215	1. 22E-20 M1	COQ5
GINS1. 1	8. 37E-25	-0. 11496	0. 006	0. 064	1. 25E-20 M1	GINS1
CHD3. 2	8. 60E-25	-0. 15887	0. 045	0. 129	1. 28E-20 M1	CHD3
TMEM161B	8. 94E-25	-0. 1121	0. 013	0. 077	1. 34E-20 M1	TMEM161B
PRPF4B. 2	9. 06E-25	-0. 11806	0. 157	0. 297	1. 35E-20 M1	PRPF4B
NARS2	9. 11E-25	-0. 10575	0. 044	0. 129	1. 36E-20 M1	NARS2
PLSCR4. 1	9. 21E-25	-0. 12923	0. 002	0. 056	1. 38E-20 M1	PLSCR4
RP11-24F1	9. 42E-25	0. 123579	0. 041	0. 01	1. 41E-20 M1	RP11-24F11. 2
TIGD1. 1	9. 50E-25	-0. 1213	0. 012	0. 075	1. 42E-20 M1	TIGD1
RABL2A. 1	9. 53E-25	-0. 14583	0. 019	0. 088	1. 42E-20 M1	RABL2A
FN3KRP. 1	9. 56E-25	-0. 12069	0. 12	0. 241	1. 43E-20 M1	FN3KRP
CYSLTR1. 3	1. 04E-24	0. 175979	0. 058	0. 018	1. 55E-20 M1	CYSLTR1
ZNF627. 1	1. 06E-24	-0. 10583	0. 02	0. 089	1. 59E-20 M1	ZNF627
PSMD11. 2	1. 08E-24	-0. 13798	0. 259	0. 437	1. 62E-20 M1	PSMD11
SGOL2. 2	1. 08E-24	-0. 14606	0. 028	0. 102	1. 62E-20 M1	SGOL2
LOXL3. 1	1. 09E-24	0. 300544	0. 125	0. 063	1. 62E-20 M1	LOXL3
EHD4. 4	1. 09E-24	0. 322051	0. 147	0. 08	1. 63E-20 M1	EHD4
CAPZA1. 4	1. 14E-24	0. 311415	0. 422	0. 386	1. 70E-20 M1	CAPZA1
GTF2H2C. 1	1. 16E-24	-0. 10304	0. 025	0. 099	1. 74E-20 M1	GTF2H2C
ANKRD13B. 1	1. 18E-24	-0. 12789	0. 004	0. 059	1. 76E-20 M1	ANKRD13B
NME4. 2	1. 22E-24	-0. 13899	0. 243	0. 41	1. 83E-20 M1	NME4
CEP85L. 1	1. 23E-24	-0. 10349	0. 043	0. 127	1. 84E-20 M1	CEP85L
CASP6. 3	1. 24E-24	-0. 11212	0. 078	0. 18	1. 85E-20 M1	CASP6
RP11-783K	1. 25E-24	-0. 17333	0. 003	0. 058	1. 86E-20 M1	RP11-783K16. 5
JMJD6. 3	1. 25E-24	0. 424253	0. 335	0. 272	1. 87E-20 M1	JMJD6
ZNF74. 1	1. 27E-24	-0. 12003	0. 008	0. 068	1. 90E-20 M1	ZNF74

ITGAL. 1	1. 28E-24	0. 15822	0. 057	0. 018	1. 92E-20 M1	ITGAL
GBP2. 3	1. 30E-24	0. 24259	0. 283	0. 193	1. 95E-20 M1	GBP2
PUS7L. 1	1. 38E-24	-0. 10374	0. 077	0. 179	2. 06E-20 M1	PUS7L
PKP4. 3	1. 41E-24	-0. 12685	0. 006	0. 064	2. 11E-20 M1	PKP4
SNUPN. 2	1. 46E-24	-0. 10655	0. 077	0. 179	2. 18E-20 M1	SNUPN
KCTD15	1. 52E-24	-0. 12478	0. 002	0. 054	2. 28E-20 M1	KCTD15
YAP1. 1	1. 52E-24	-0. 10334	0	0. 051	2. 28E-20 M1	YAP1
GPATCH1. 1	1. 53E-24	-0. 14138	0. 018	0. 086	2. 29E-20 M1	GPATCH1
ANP32E. 2	1. 56E-24	-0. 13518	0. 156	0. 29	2. 33E-20 M1	ANP32E
GTF3C6. 1	1. 58E-24	-0. 18701	0. 35	0. 547	2. 36E-20 M1	GTF3C6
TROAP. 3	1. 63E-24	-0. 16039	0. 002	0. 055	2. 43E-20 M1	TROAP
ARL13B. 4	1. 64E-24	-0. 12914	0. 064	0. 158	2. 45E-20 M1	ARL13B
PINK1. 3	1. 64E-24	-0. 10609	0. 11	0. 227	2. 45E-20 M1	PINK1
SNHG7. 1	1. 73E-24	-0. 11225	0. 213	0. 373	2. 59E-20 M1	SNHG7
FTH1. 4	1. 74E-24	-0. 11353	0. 97	0. 925	2. 60E-20 M1	FTH1
RNF5. 1	1. 74E-24	-0. 14051	0. 25	0. 418	2. 60E-20 M1	RNF5
CAPN10. 2	1. 79E-24	-0. 1234	0. 026	0. 099	2. 67E-20 M1	CAPN10
MARCH3. 2	1. 82E-24	0. 36495	0. 163	0. 093	2. 71E-20 M1	3-Mar
CA14. 3	1. 87E-24	-0. 18931	0. 005	0. 06	2. 79E-20 M1	CA14
NDUFS6. 2	1. 88E-24	-0. 23618	0. 487	0. 656	2. 80E-20 M1	NDUFS6
N4BP2. 2	1. 88E-24	-0. 11533	0. 046	0. 131	2. 80E-20 M1	N4BP2
ETFDH. 1	1. 88E-24	-0. 14295	0. 05	0. 136	2. 81E-20 M1	ETFDH
PLK1. 2	1. 90E-24	-0. 19241	0. 007	0. 064	2. 84E-20 M1	PLK1
SEPHS1. 2	1. 91E-24	-0. 10372	0. 043	0. 127	2. 86E-20 M1	SEPHS1
TM2D1. 1	2. 01E-24	-0. 10442	0. 24	0. 416	3. 01E-20 M1	TM2D1
DNAJC24. 2	2. 04E-24	-0. 11494	0. 038	0. 118	3. 04E-20 M1	DNAJC24
AKAP8. 1	2. 09E-24	-0. 12227	0. 059	0. 15	3. 12E-20 M1	AKAP8
ZNF454. 2	2. 11E-24	-0. 1143	0. 003	0. 056	3. 15E-20 M1	ZNF454
KCNJ10. 2	2. 15E-24	-0. 19367	0. 005	0. 061	3. 22E-20 M1	KCNJ10
FBXL3. 1	2. 16E-24	-0. 1089	0. 088	0. 194	3. 22E-20 M1	FBXL3
PRDM4. 2	2. 32E-24	-0. 10487	0. 025	0. 098	3. 47E-20 M1	PRDM4
SNRPA. 1	2. 34E-24	-0. 10804	0. 144	0. 274	3. 50E-20 M1	SNRPA
PSMC6. 2	2. 38E-24	-0. 13883	0. 245	0. 416	3. 56E-20 M1	PSMC6
TMEM246. 2	2. 51E-24	-0. 16815	0. 003	0. 057	3. 76E-20 M1	TMEM246
PEA15. 2	2. 62E-24	-0. 18684	0. 297	0. 472	3. 91E-20 M1	PEA15
ZBTB10	2. 66E-24	-0. 11716	0. 028	0. 102	3. 97E-20 M1	ZBTB10
GPR19. 1	2. 72E-24	-0. 19483	0. 002	0. 054	4. 06E-20 M1	GPR19
TXNL4B. 1	2. 75E-24	-0. 14032	0. 032	0. 108	4. 11E-20 M1	TXNL4B
ATAD2. 2	2. 93E-24	-0. 12585	0. 019	0. 087	4. 37E-20 M1	ATAD2
PLCE1. 2	2. 93E-24	-0. 10601	0. 013	0. 075	4. 38E-20 M1	PLCE1
SUMO2. 2	2. 97E-24	-0. 1622	0. 751	0. 835	4. 44E-20 M1	SUMO2
SLC44A2. 2	2. 97E-24	-0. 10297	0. 106	0. 222	4. 44E-20 M1	SLC44A2
B4GALNT4	3. 02E-24	-0. 12615	0. 002	0. 054	4. 51E-20 M1	B4GALNT4
FOXRED1	3. 15E-24	-0. 14183	0. 04	0. 12	4. 71E-20 M1	FOXRED1
YLPM1. 2	3. 24E-24	-0. 10656	0. 045	0. 129	4. 85E-20 M1	YLPM1
RCOR2. 2	3. 32E-24	-0. 15121	0. 002	0. 055	4. 96E-20 M1	RCOR2
WWOX. 1	3. 38E-24	-0. 11075	0. 034	0. 111	5. 05E-20 M1	WWOX
FERMT1. 2	3. 39E-24	-0. 17415	0. 004	0. 059	5. 07E-20 M1	FERMT1
SF3B3. 1	3. 50E-24	-0. 12885	0. 098	0. 208	5. 23E-20 M1	SF3B3
PINX1	3. 65E-24	-0. 13419	0. 035	0. 112	5. 46E-20 M1	PINX1
GLI4. 2	3. 72E-24	-0. 11399	0. 043	0. 125	5. 56E-20 M1	GLI4

FAM118B.2	3.	85E-24	-0.11506	0.067	0.162	5.76E-20	M1	FAM118B
ZMIZ2.2	4.	02E-24	-0.1073	0.035	0.112	6.01E-20	M1	ZMIZ2
CASKIN2.1	4.	05E-24	-0.12026	0.002	0.053	6.06E-20	M1	CASKIN2
ITGA9	4.	07E-24	0.15297	0.04	0.01	6.09E-20	M1	ITGA9
ZNF853.2	4.	14E-24	-0.10197	0.003	0.057	6.19E-20	M1	ZNF853
YBX1.2	4.	15E-24	-0.13544	0.736	0.769	6.20E-20	M1	YBX1
SLMAP.1	4.	18E-24	-0.10851	0.053	0.142	6.24E-20	M1	SLMAP
PPFIA2	4.	41E-24	-0.17339	0.002	0.054	6.59E-20	M1	PPFIA2
PIFO.2	4.	45E-24	-0.24995	0.004	0.058	6.65E-20	M1	PIFO
CCDC88A.3	4.	62E-24	-0.10435	0.269	0.446	6.90E-20	M1	CCDC88A
GJA1.1	4.	62E-24	-0.25884	0.022	0.09	6.91E-20	M1	GJA1
SYT5.2	4.	77E-24	-0.17084	0.001	0.052	7.13E-20	M1	SYT5
CDK20.2	4.	82E-24	-0.13615	0.009	0.068	7.20E-20	M1	CDK20
YPEL5.2	4.	85E-24	0.34471	0.476	0.447	7.24E-20	M1	YPEL5
HSPA4.2	5.	09E-24	-0.12019	0.161	0.299	7.61E-20	M1	HSPA4
E2F1.1	5.	60E-24	-0.12941	0.007	0.064	8.37E-20	M1	E2F1
PRDX4.4	5.	67E-24	-0.21374	0.386	0.579	8.48E-20	M1	PRDX4
PYGL.3	5.	94E-24	0.324444	0.259	0.179	8.88E-20	M1	PYGL
MANSC1.1	5.	97E-24	-0.11205	0.009	0.067	8.92E-20	M1	MANSC1
ITM2A.3	6.	07E-24	-0.26804	0.008	0.065	9.08E-20	M1	ITM2A
LRP5.1	6.	07E-24	-0.10897	0.005	0.06	9.08E-20	M1	LRP5
RPGRIP1L.6	6.	08E-24	-0.11572	0.009	0.067	9.09E-20	M1	RPGRIP1L
DBNL.4	6.	09E-24	0.299408	0.457	0.419	9.10E-20	M1	DBNL
STAU2.2	6.	12E-24	-0.12608	0.087	0.191	9.14E-20	M1	STAU2
SCAMP1.2	6.	19E-24	-0.1024	0.116	0.234	9.26E-20	M1	SCAMP1
DNAJC9.2	6.	25E-24	-0.13163	0.079	0.179	9.34E-20	M1	DNAJC9
ANKRD37.2	6.	28E-24	0.373951	0.203	0.129	9.39E-20	M1	ANKRD37
WBP1L.4	6.	33E-24	0.369216	0.167	0.098	9.46E-20	M1	WBP1L
ZNF274.1	6.	36E-24	-0.12739	0.043	0.125	9.50E-20	M1	ZNF274
HDLBP.1	6.	37E-24	-0.10916	0.205	0.362	9.52E-20	M1	HDLBP
SYNJ2	6.	47E-24	-0.13875	0.002	0.054	9.67E-20	M1	SYNJ2
ONECUT2.1	6.	48E-24	-0.16365	0.001	0.052	9.68E-20	M1	ONECUT2
HGF	6.	59E-24	0.208038	0.063	0.022	9.84E-20	M1	HGF
CHCHD4.1	6.	81E-24	-0.10984	0.045	0.128	1.02E-19	M1	CHCHD4
NAA16.2	7.	12E-24	-0.10194	0.05	0.136	1.06E-19	M1	NAA16
METRNL.4	7.	13E-24	0.316068	0.137	0.072	1.06E-19	M1	METRNL
AKAP9.2	7.	42E-24	-0.1394	0.302	0.479	1.11E-19	M1	AKAP9
LIPE.1	7.	42E-24	-0.12419	0.011	0.071	1.11E-19	M1	LIPE
SREK1IP1.7	7.	52E-24	-0.10008	0.207	0.365	1.12E-19	M1	SREK1IP1
GPC4.1	7.	53E-24	-0.11226	0.006	0.061	1.13E-19	M1	GPC4
ZNF433.1	7.	56E-24	-0.1257	0.008	0.065	1.13E-19	M1	ZNF433
SMAD7.2	7.	59E-24	0.228842	0.071	0.026	1.13E-19	M1	SMAD7
UNC45A.1	7.	64E-24	-0.10356	0.077	0.177	1.14E-19	M1	UNC45A
YY1.3	7.	67E-24	-0.12252	0.207	0.367	1.15E-19	M1	YY1
TSHZ1.3	7.	79E-24	-0.14444	0.019	0.085	1.16E-19	M1	TSHZ1
UBXN6.2	7.	90E-24	-0.11804	0.178	0.323	1.18E-19	M1	UBXN6
ABI1.4	7.	98E-24	0.397504	0.299	0.229	1.19E-19	M1	ABI1
ZFP37.1	8.	09E-24	-0.11917	0.005	0.06	1.21E-19	M1	ZFP37
ZNF573.1	8.	53E-24	-0.13572	0.013	0.074	1.27E-19	M1	ZNF573
DNAJB1.1	8.	80E-24	0.168178	0.62	0.608	1.32E-19	M1	DNAJB1
ZNF569.1	9.	14E-24	-0.12465	0.016	0.08	1.37E-19	M1	ZNF569

SHMT2. 2	9. 18E-24	-0. 1357	0. 13	0. 252	1. 37E-19 M1	SHMT2
PPP1CB. 1	9. 19E-24	-0. 21091	0. 374	0. 532	1. 37E-19 M1	PPP1CB
SENP2. 2	9. 40E-24	-0. 12057	0. 058	0. 147	1. 41E-19 M1	SENP2
AFF3. 2	9. 62E-24	-0. 14676	0. 006	0. 062	1. 44E-19 M1	AFF3
PPP1R11. 1	1. 01E-23	-0. 13119	0. 225	0. 387	1. 51E-19 M1	PPP1R11
ZNF598. 2	1. 07E-23	-0. 10357	0. 017	0. 081	1. 60E-19 M1	ZNF598
INTS3. 1	1. 08E-23	-0. 10254	0. 042	0. 123	1. 61E-19 M1	INTS3
ANKRD39. 3	1. 09E-23	-0. 10276	0. 083	0. 184	1. 63E-19 M1	ANKRD39
MOSPD1. 2	1. 09E-23	-0. 11143	0. 056	0. 144	1. 63E-19 M1	MOSPD1
RELT. 3	1. 09E-23	0. 323566	0. 137	0. 074	1. 63E-19 M1	RELT
DYNLT1. 2	1. 09E-23	-0. 20267	0. 47	0. 66	1. 64E-19 M1	DYNLT1
TTC26. 3	1. 10E-23	-0. 15899	0. 004	0. 057	1. 64E-19 M1	TTC26
PTCH1. 1	1. 11E-23	-0. 1288	0. 005	0. 06	1. 66E-19 M1	PTCH1
MCM2. 1	1. 16E-23	-0. 13233	0. 014	0. 076	1. 73E-19 M1	MCM2
CYB5R3. 3	1. 18E-23	-0. 10081	0. 226	0. 388	1. 76E-19 M1	CYB5R3
ST7L. 1	1. 18E-23	-0. 10388	0. 044	0. 127	1. 77E-19 M1	ST7L
GRIK3. 1	1. 27E-23	-0. 12047	0. 002	0. 053	1. 90E-19 M1	GRIK3
IGFBP4	1. 31E-23	-0. 16208	0. 014	0. 076	1. 96E-19 M1	IGFBP4
CYP27A1. 2	1. 32E-23	-0. 12246	0. 082	0. 181	1. 98E-19 M1	CYP27A1
ZNF446. 1	1. 34E-23	-0. 10915	0. 02	0. 086	2. 00E-19 M1	ZNF446
THAP8. 1	1. 35E-23	-0. 14036	0. 022	0. 091	2. 02E-19 M1	THAP8
JAZF1. 4	1. 44E-23	0. 394439	0. 171	0. 102	2. 15E-19 M1	JAZF1
CDCP1. 2	1. 44E-23	0. 210583	0. 07	0. 026	2. 15E-19 M1	CDCP1
PGAP2. 1	1. 46E-23	-0. 11332	0. 047	0. 131	2. 19E-19 M1	PGAP2
PPP3CC. 2	1. 47E-23	-0. 12967	0. 059	0. 147	2. 20E-19 M1	PPP3CC
AR. 1	1. 50E-23	-0. 12714	0. 003	0. 055	2. 24E-19 M1	AR
FGF14-AS2	1. 53E-23	-0. 11811	0. 006	0. 06	2. 29E-19 M1	FGF14-AS2
C11orf74. 1	1. 58E-23	-0. 11376	0. 086	0. 189	2. 37E-19 M1	C11orf74
ZNF93. 1	1. 74E-23	-0. 11922	0. 009	0. 067	2. 60E-19 M1	ZNF93
KIFC2. 1	1. 78E-23	-0. 11531	0. 015	0. 078	2. 66E-19 M1	KIFC2
LSM3	1. 87E-23	-0. 20703	0. 4	0. 592	2. 79E-19 M1	LSM3
EFNB1. 1	1. 98E-23	-0. 12219	0. 034	0. 108	2. 95E-19 M1	EFNB1
COQ10A. 1	2. 00E-23	-0. 11953	0. 037	0. 113	2. 99E-19 M1	COQ10A
C6orf52	2. 00E-23	-0. 12429	0. 003	0. 054	2. 99E-19 M1	C6orf52
PIGM	2. 01E-23	-0. 12605	0. 026	0. 097	3. 00E-19 M1	PIGM
HRASLS. 2	2. 11E-23	-0. 11406	0. 004	0. 057	3. 15E-19 M1	HRASLS
CHD1. 4	2. 21E-23	0. 413164	0. 338	0. 284	3. 31E-19 M1	CHD1
DLGAP1. 1	2. 24E-23	-0. 13333	0. 003	0. 054	3. 35E-19 M1	DLGAP1
LZTFL1. 2	2. 25E-23	-0. 13753	0. 02	0. 086	3. 36E-19 M1	LZTFL1
RAB32. 4	2. 25E-23	0. 396246	0. 292	0. 228	3. 36E-19 M1	RAB32
TIGD7	2. 32E-23	-0. 11548	0. 003	0. 055	3. 47E-19 M1	TIGD7
ZNF275. 2	2. 34E-23	-0. 11993	0. 009	0. 066	3. 49E-19 M1	ZNF275
CCND1. 2	2. 37E-23	0. 346088	0. 284	0. 206	3. 54E-19 M1	CCND1
MTFP1	2. 37E-23	-0. 15598	0. 015	0. 078	3. 55E-19 M1	MTFP1
RGP1. 1	2. 39E-23	-0. 11892	0. 03	0. 103	3. 58E-19 M1	RGP1
CDC37L1. 2	2. 47E-23	-0. 11184	0. 063	0. 154	3. 70E-19 M1	CDC37L1
QRICH1. 2	2. 50E-23	-0. 10204	0. 07	0. 165	3. 74E-19 M1	QRICH1
PLXNA3. 1	2. 61E-23	-0. 13448	0. 014	0. 076	3. 90E-19 M1	PLXNA3
ICK. 2	2. 62E-23	-0. 10629	0. 026	0. 097	3. 91E-19 M1	ICK
NUCB1. 3	2. 64E-23	0. 279567	0. 472	0. 44	3. 94E-19 M1	NUCB1
PTMA. 4	2. 69E-23	-0. 18196	0. 984	0. 963	4. 02E-19 M1	PTMA

DDX55. 2	2. 78E-23	-0. 10661	0. 048	0. 132	4. 15E-19 M1	DDX55
CENPJ	2. 81E-23	-0. 12802	0. 014	0. 076	4. 20E-19 M1	CENPJ
LSM6. 2	2. 82E-23	-0. 12621	0. 207	0. 356	4. 21E-19 M1	LSM6
TMOD1. 2	2. 85E-23	-0. 19519	0. 079	0. 173	4. 25E-19 M1	TMOD1
ZKSCAN5. 2	2. 85E-23	-0. 11082	0. 014	0. 076	4. 26E-19 M1	ZKSCAN5
BACE2. 3	2. 89E-23	-0. 13329	0. 008	0. 064	4. 32E-19 M1	BACE2
PLEKHF1. 1	2. 96E-23	-0. 10909	0. 002	0. 052	4. 42E-19 M1	PLEKHF1
NEDD4L. 4	2. 97E-23	-0. 12743	0. 045	0. 126	4. 43E-19 M1	NEDD4L
TMTC2. 1	3. 02E-23	-0. 15642	0. 006	0. 06	4. 52E-19 M1	TMTC2
CDR2L. 1	3. 06E-23	-0. 1159	0. 013	0. 074	4. 57E-19 M1	CDR2L
POMZP3. 4	3. 24E-23	-0. 1178	0. 028	0. 098	4. 85E-19 M1	POMZP3
CPSF7	3. 33E-23	-0. 10886	0. 098	0. 205	4. 98E-19 M1	CPSF7
SMPD4. 1	3. 37E-23	-0. 10187	0. 039	0. 117	5. 03E-19 M1	SMPD4
FAM169A. 1	3. 38E-23	-0. 12168	0. 004	0. 057	5. 05E-19 M1	FAM169A
AP006621. 1	3. 77E-23	-0. 10187	0. 012	0. 071	5. 63E-19 M1	AP006621. 5
PRPF3	3. 85E-23	-0. 13077	0. 047	0. 128	5. 76E-19 M1	PRPF3
NR2F2. 2	3. 96E-23	-0. 16943	0. 003	0. 053	5. 91E-19 M1	NR2F2
MAST4. 1	4. 09E-23	-0. 16519	0. 007	0. 061	6. 11E-19 M1	MAST4
EMC2	4. 16E-23	-0. 16144	0. 125	0. 242	6. 22E-19 M1	EMC2
FIBP. 2	4. 23E-23	-0. 14386	0. 326	0. 514	6. 33E-19 M1	FIBP
FBXL16. 1	4. 28E-23	-0. 11387	0. 002	0. 052	6. 40E-19 M1	FBXL16
C2orf42	4. 44E-23	-0. 11122	0. 011	0. 07	6. 63E-19 M1	C2orf42
NOMO1. 1	4. 47E-23	-0. 10834	0. 037	0. 114	6. 69E-19 M1	NOMO1
ORAOV1. 1	4. 59E-23	-0. 11203	0. 025	0. 094	6. 85E-19 M1	ORAOV1
WARS. 3	4. 59E-23	-0. 12973	0. 11	0. 22	6. 87E-19 M1	WARS
TMEM150C	4. 66E-23	-0. 13952	0. 003	0. 053	6. 97E-19 M1	TMEM150C
CNDP2. 4	4. 76E-23	0. 280454	0. 451	0. 427	7. 11E-19 M1	CNDP2
PLAU. 4	4. 85E-23	0. 394391	0. 224	0. 151	7. 25E-19 M1	PLAU
GPD1. 3	5. 17E-23	-0. 23129	0. 005	0. 057	7. 72E-19 M1	GPD1
DLG4. 1	5. 39E-23	-0. 1047	0. 019	0. 084	8. 05E-19 M1	DLG4
PVR. 2	5. 41E-23	-0. 1078	0. 016	0. 078	8. 08E-19 M1	PVR
CLCN4. 3	5. 52E-23	-0. 14507	0. 008	0. 064	8. 26E-19 M1	CLCN4
GNB1. 3	6. 02E-23	-0. 1217	0. 27	0. 444	9. 00E-19 M1	GNB1
NMRAL1. 1	6. 05E-23	-0. 17533	0. 139	0. 259	9. 04E-19 M1	NMRAL1
ZNF250. 1	6. 10E-23	-0. 1445	0. 024	0. 092	9. 12E-19 M1	ZNF250
MYEOV2. 2	6. 16E-23	-0. 22179	0. 523	0. 704	9. 20E-19 M1	MYEOV2
ACHE. 1	6. 18E-23	-0. 14783	0. 002	0. 052	9. 23E-19 M1	ACHE
CKAP2L. 3	6. 42E-23	-0. 15074	0. 003	0. 054	9. 59E-19 M1	CKAP2L
NEK8	6. 43E-23	-0. 10257	0. 008	0. 063	9. 61E-19 M1	NEK8
P2RX7. 1	6. 76E-23	0. 320629	0. 135	0. 072	1. 01E-18 M1	P2RX7
LIN7A. 1	6. 78E-23	-0. 11227	0. 001	0. 05	1. 01E-18 M1	LIN7A
NUF2. 4	6. 93E-23	-0. 17402	0. 013	0. 072	1. 04E-18 M1	NUF2
SOCS6. 3	7. 18E-23	0. 42678	0. 282	0. 219	1. 07E-18 M1	SOCS6
ZNF587	7. 22E-23	-0. 11096	0. 026	0. 095	1. 08E-18 M1	ZNF587
ATAD5. 2	7. 38E-23	-0. 12065	0. 021	0. 086	1. 10E-18 M1	ATAD5
CBLL1. 1	7. 51E-23	-0. 12147	0. 042	0. 12	1. 12E-18 M1	CBLL1
PTP4A2. 3	7. 52E-23	-0. 19581	0. 317	0. 48	1. 12E-18 M1	PTP4A2
RP11-539L	7. 75E-23	-0. 14534	0. 035	0. 108	1. 16E-18 M1	RP11-539L10. 3
SDS. 4	7. 89E-23	0. 232207	0. 106	0. 049	1. 18E-18 M1	SDS
FAM8A1. 1	8. 08E-23	-0. 1047	0. 026	0. 095	1. 21E-18 M1	FAM8A1
ZBTB44. 1	8. 19E-23	-0. 12492	0. 051	0. 134	1. 22E-18 M1	ZBTB44



CNOT8. 2	9. 15E-23	-0. 11267	0. 094	0. 199	1. 37E-18 M1	CNOT8
NDUFS8. 3	9. 31E-23	-0. 22022	0. 45	0. 64	1. 39E-18 M1	NDUFS8
C16orf46.	9. 87E-23	-0. 10058	0. 005	0. 058	1. 48E-18 M1	C16orf46
OXTR	9. 92E-23	-0. 10332	0. 002	0. 05	1. 48E-18 M1	OXTR
KLHL28. 2	1. 01E-22	-0. 12003	0. 05	0. 133	1. 51E-18 M1	KLHL28
PDXK. 4	1. 02E-22	0. 364105	0. 334	0. 275	1. 52E-18 M1	PDXK
MELK. 1	1. 02E-22	-0. 13697	0. 004	0. 055	1. 53E-18 M1	MELK
OPHN1. 2	1. 04E-22	-0. 14102	0. 018	0. 082	1. 55E-18 M1	OPHN1
PEX12. 2	1. 06E-22	-0. 12064	0. 007	0. 061	1. 58E-18 M1	PEX12
APOBEC3C.	1. 06E-22	0. 321548	0. 188	0. 116	1. 58E-18 M1	APOBEC3C
ZNF140. 1	1. 06E-22	-0. 12309	0. 042	0. 12	1. 58E-18 M1	ZNF140
MFAP4. 2	1. 07E-22	-0. 1757	0. 008	0. 063	1. 60E-18 M1	MFAP4
CDC42EP3.	1. 10E-22	-0. 16283	0. 055	0. 138	1. 64E-18 M1	CDC42EP3
PSMA3. 3	1. 10E-22	-0. 1733	0. 294	0. 47	1. 65E-18 M1	PSMA3
MYH9. 4	1. 11E-22	0. 372078	0. 25	0. 176	1. 66E-18 M1	MYH9
LACTB. 4	1. 12E-22	0. 345457	0. 227	0. 154	1. 67E-18 M1	LACTB
ZNF71. 2	1. 15E-22	-0. 11036	0. 027	0. 096	1. 71E-18 M1	ZNF71
STARD10. 1	1. 15E-22	-0. 10752	0. 022	0. 089	1. 72E-18 M1	STARD10
PARP10. 2	1. 18E-22	0. 290691	0. 14	0. 076	1. 76E-18 M1	PARP10
BMP1. 1	1. 20E-22	-0. 10065	0. 014	0. 074	1. 79E-18 M1	BMP1
FAM188A. 2	1. 22E-22	-0. 10809	0. 031	0. 103	1. 82E-18 M1	FAM188A
C1orf27. 2	1. 22E-22	-0. 1157	0. 093	0. 196	1. 82E-18 M1	C1orf27
DDR2. 2	1. 23E-22	-0. 10868	0. 01	0. 066	1. 84E-18 M1	DDR2
MDM1	1. 27E-22	-0. 10552	0. 019	0. 083	1. 89E-18 M1	MDM1
CRB2. 2	1. 29E-22	-0. 17296	0. 003	0. 052	1. 93E-18 M1	CRB2
CGREF1	1. 31E-22	-0. 10331	0. 001	0. 049	1. 95E-18 M1	CGREF1
PSMD2. 1	1. 37E-22	-0. 15153	0. 311	0. 491	2. 04E-18 M1	PSMD2
POT1. 1	1. 39E-22	-0. 12186	0. 025	0. 093	2. 08E-18 M1	POT1
C17orf97.	1. 39E-22	-0. 12246	0. 01	0. 066	2. 08E-18 M1	C17orf97
ZNHIT6. 1	1. 42E-22	-0. 10367	0. 033	0. 106	2. 13E-18 M1	ZNHIT6
LYSMD2. 3	1. 44E-22	0. 369797	0. 248	0. 182	2. 14E-18 M1	LYSMD2
TMEM245. 1	1. 53E-22	-0. 1075	0. 061	0. 148	2. 28E-18 M1	TMEM245
FKBP7. 1	1. 53E-22	-0. 13865	0. 032	0. 103	2. 29E-18 M1	FKBP7
JAK3. 1	1. 57E-22	0. 160457	0. 06	0. 021	2. 34E-18 M1	JAK3
SALL3. 1	1. 59E-22	-0. 11517	0. 001	0. 049	2. 38E-18 M1	SALL3
SPATA2. 1	1. 60E-22	-0. 1092	0. 016	0. 078	2. 39E-18 M1	SPATA2
BBS4. 1	1. 63E-22	-0. 11019	0. 028	0. 097	2. 43E-18 M1	BBS4
RUNX2. 1	1. 63E-22	0. 195042	0. 062	0. 022	2. 44E-18 M1	RUNX2
PRKAR2B. 3	1. 72E-22	-0. 15247	0. 017	0. 079	2. 57E-18 M1	PRKAR2B
GJB2. 1	1. 80E-22	-0. 16842	0. 006	0. 058	2. 69E-18 M1	GJB2
RINT1. 2	1. 81E-22	-0. 13359	0. 035	0. 107	2. 71E-18 M1	RINT1
VPS41. 2	1. 83E-22	-0. 11601	0. 11	0. 219	2. 73E-18 M1	VPS41
CADPS. 2	1. 88E-22	-0. 22414	0. 002	0. 051	2. 81E-18 M1	CADPS
CASD1. 2	1. 89E-22	-0. 13292	0. 022	0. 088	2. 82E-18 M1	CASD1
TIPRL. 1	1. 93E-22	-0. 12177	0. 158	0. 287	2. 89E-18 M1	TIPRL
DSCC1. 1	1. 99E-22	-0. 1206	0. 012	0. 069	2. 98E-18 M1	DSCC1
CTH. 1	2. 06E-22	-0. 13572	0. 009	0. 065	3. 08E-18 M1	CTH
DYNC2H1. 1	2. 11E-22	-0. 11142	0. 007	0. 06	3. 15E-18 M1	DYNC2H1
ZNF212. 1	2. 12E-22	-0. 10898	0. 017	0. 078	3. 17E-18 M1	ZNF212
SCFD2. 1	2. 14E-22	-0. 1384	0. 03	0. 1	3. 20E-18 M1	SCFD2
AC005618.	2. 15E-22	-0. 15141	0. 002	0. 051	3. 22E-18 M1	AC005618. 6

CCNE2. 1	2. 18E-22	-0. 18593	0. 011	0. 068	3. 26E-18 M1	CCNE2
AIMP1. 2	2. 21E-22	-0. 13555	0. 238	0. 398	3. 31E-18 M1	AIMP1
KBTBD4. 2	2. 30E-22	-0. 11891	0. 031	0. 101	3. 43E-18 M1	KBTBD4
PDE1B. 1	2. 32E-22	0. 141128	0. 048	0. 015	3. 46E-18 M1	PDE1B
NCAPG2. 1	2. 33E-22	-0. 12261	0. 014	0. 073	3. 48E-18 M1	NCAPG2
COQ3. 2	2. 34E-22	-0. 13012	0. 017	0. 078	3. 49E-18 M1	COQ3
COPG2. 2	2. 43E-22	-0. 11454	0. 05	0. 131	3. 63E-18 M1	COPG2
CACNA1A. 3	2. 51E-22	-0. 20379	0. 036	0. 108	3. 75E-18 M1	CACNA1A
FHOD1. 4	2. 52E-22	0. 258922	0. 1	0. 047	3. 77E-18 M1	FHOD1
PNISR. 1	2. 56E-22	-0. 15598	0. 452	0. 644	3. 83E-18 M1	PNISR
MEGF9. 1	2. 68E-22	-0. 10957	0. 033	0. 105	4. 01E-18 M1	MEGF9
TBC1D19	2. 84E-22	-0. 12416	0. 013	0. 071	4. 24E-18 M1	TBC1D19
NGRN. 2	2. 85E-22	-0. 10003	0. 024	0. 091	4. 25E-18 M1	NGRN
NDRG1. 1	2. 88E-22	-0. 3862	0. 096	0. 187	4. 30E-18 M1	NDRG1
SLC25A42	2. 89E-22	-0. 10831	0. 006	0. 058	4. 31E-18 M1	SLC25A42
DTD2. 1	2. 97E-22	-0. 12549	0. 019	0. 081	4. 43E-18 M1	DTD2
TMEM151A. 3	0.3E-22	-0. 18397	0. 002	0. 05	4. 52E-18 M1	TMEM151A
DCUN1D4. 1	3. 37E-22	-0. 10938	0. 038	0. 112	5. 03E-18 M1	DCUN1D4
RACGAP1. 2	3. 47E-22	-0. 16419	0. 027	0. 094	5. 19E-18 M1	RACGAP1
KIAA1524. 3	3. 58E-22	-0. 12924	0. 006	0. 058	5. 35E-18 M1	KIAA1524
SERPINI1. 3	3. 64E-22	-0. 18217	0. 008	0. 062	5. 44E-18 M1	SERPINI1
GSPT1. 3	3. 66E-22	-0. 12545	0. 218	0. 374	5. 47E-18 M1	GSPT1
UAP1. 2	3. 66E-22	-0. 10335	0. 098	0. 202	5. 47E-18 M1	UAP1
ASPM. 4	3. 71E-22	-0. 17096	0. 005	0. 055	5. 54E-18 M1	ASPM
FAM229A. 1	3. 94E-22	-0. 11671	0. 004	0. 053	5. 89E-18 M1	FAM229A
COPS4	4. 03E-22	-0. 13269	0. 203	0. 348	6. 02E-18 M1	COPS4
SC5D. 2	4. 11E-22	-0. 1303	0. 091	0. 19	6. 14E-18 M1	SC5D
TOPBP1. 2	4. 25E-22	-0. 10521	0. 033	0. 105	6. 35E-18 M1	TOPBP1
HRH2. 2	4. 51E-22	0. 254255	0. 077	0. 032	6. 74E-18 M1	HRH2
ZFP30	4. 66E-22	-0. 10321	0. 006	0. 058	6. 96E-18 M1	ZFP30
CA9. 2	5. 02E-22	-0. 20411	0. 001	0. 048	7. 50E-18 M1	CA9
STOML2. 1	5. 08E-22	-0. 10623	0. 275	0. 45	7. 59E-18 M1	STOML2
LUZP2. 1	5. 16E-22	-0. 1656	0. 006	0. 057	7. 71E-18 M1	LUZP2
COQ2. 3	5. 19E-22	0. 370945	0. 236	0. 168	7. 76E-18 M1	COQ2
FAM173B. 2	5. 29E-22	-0. 10675	0. 015	0. 074	7. 91E-18 M1	FAM173B
AP5B1. 1	5. 78E-22	0. 247995	0. 094	0. 043	8. 64E-18 M1	AP5B1
TPSAB1. 1	6. 29E-22	0. 220447	0. 051	0. 016	9. 40E-18 M1	TPSAB1
ZNF536. 2	6. 38E-22	-0. 1789	0. 003	0. 051	9. 54E-18 M1	ZNF536
DNAJC25. 2	6. 43E-22	-0. 11101	0. 028	0. 096	9. 61E-18 M1	DNAJC25
BRAP	6. 62E-22	-0. 10609	0. 043	0. 119	9. 90E-18 M1	BRAP
FOXO1. 1	6. 98E-22	-0. 12304	0. 021	0. 084	1. 04E-17 M1	FOXO1
CCNB2. 3	7. 03E-22	-0. 1924	0. 015	0. 073	1. 05E-17 M1	CCNB2
ORMDL2. 2	7. 07E-22	0. 352703	0. 332	0. 26	1. 06E-17 M1	ORMDL2
MUC12. 2	7. 09E-22	-0. 20611	0. 003	0. 051	1. 06E-17 M1	MUC12
BID. 4	7. 10E-22	0. 353632	0. 397	0. 349	1. 06E-17 M1	BID
CHI3L2. 2	7. 16E-22	-0. 73342	0. 107	0. 195	1. 07E-17 M1	CHI3L2
SERPINF2. 7	7. 24E-22	0. 179427	0. 057	0. 02	1. 08E-17 M1	SERPINF2
TNRC6B. 2	7. 35E-22	-0. 10356	0. 224	0. 378	1. 10E-17 M1	TNRC6B
TMBIM1. 1	7. 47E-22	0. 340119	0. 303	0. 233	1. 12E-17 M1	TMBIM1
TUBE1. 1	7. 67E-22	-0. 10726	0. 034	0. 106	1. 15E-17 M1	TUBE1
PEX1	7. 76E-22	-0. 10168	0. 025	0. 092	1. 16E-17 M1	PEX1

SUGP1.1	7.88E-22	-0.11132	0.063	0.15	1.18E-17	M1	SUGP1
RANBP6.1	8.42E-22	-0.12088	0.018	0.079	1.26E-17	M1	RANBP6
SNAI2.1	8.47E-22	-0.10887	0.001	0.047	1.27E-17	M1	SNAI2
CYB5A.3	9.05E-22	-0.14782	0.218	0.366	1.35E-17	M1	CYB5A
MED22.2	9.11E-22	-0.12333	0.042	0.118	1.36E-17	M1	MED22
RPN2	9.24E-22	0.160256	0.629	0.622	1.38E-17	M1	RPN2
C10orf128	9.25E-22	0.213564	0.064	0.024	1.38E-17	M1	C10orf128
RP11-707A	9.56E-22	0.103317	0.02	0.003	1.43E-17	M1	RP11-707A18.1
NUP188	9.68E-22	-0.10355	0.026	0.093	1.45E-17	M1	NUP188
AP000476	9.71E-22	0.105552	0.031	0.007	1.45E-17	M1	AP000476.1
ZC3H15.1	9.75E-22	-0.1422	0.347	0.535	1.46E-17	M1	ZC3H15
DLG2.1	1.03E-21	-0.14955	0.006	0.056	1.54E-17	M1	DLG2
CDK5RAP2	1.04E-21	-0.13547	0.047	0.126	1.56E-17	M1	CDK5RAP2
ZIK1.1	1.05E-21	-0.12082	0.008	0.06	1.58E-17	M1	ZIK1
C17orf75	1.08E-21	-0.11805	0.035	0.107	1.61E-17	M1	C17orf75
CUL1	1.13E-21	-0.11665	0.137	0.254	1.69E-17	M1	CUL1
NDUFA9.1	1.14E-21	-0.13143	0.249	0.411	1.70E-17	M1	NDUFA9
UBR7.1	1.15E-21	-0.11567	0.05	0.13	1.72E-17	M1	UBR7
GPR137C.1	1.16E-21	-0.11494	0.006	0.057	1.74E-17	M1	GPR137C
CHAF1A.3	1.18E-21	-0.10052	0.031	0.1	1.77E-17	M1	CHAF1A
MAPK8IP3	1.20E-21	-0.12351	0.031	0.1	1.79E-17	M1	MAPK8IP3
CCDC57.4	1.22E-21	0.332479	0.162	0.096	1.82E-17	M1	CCDC57
APOA1BP	1.22E-21	-0.11907	0.241	0.402	1.82E-17	M1	APOA1BP
PSMF1.1	1.28E-21	-0.13522	0.26	0.427	1.91E-17	M1	PSMF1
PHC1.2	1.30E-21	-0.10338	0.024	0.089	1.95E-17	M1	PHC1
SLC05A1.2	1.33E-21	-0.15789	0.002	0.049	1.99E-17	M1	SLC05A1
AP5M1.1	1.37E-21	-0.10556	0.078	0.171	2.05E-17	M1	AP5M1
CLSPN.3	1.38E-21	-0.16019	0.014	0.072	2.06E-17	M1	CLSPN
RP4-639F2	1.39E-21	-0.10237	0.002	0.048	2.08E-17	M1	RP4-639F20.1
PPIL6.3	1.42E-21	-0.12267	0.006	0.056	2.13E-17	M1	PPIL6
SETMAR.1	1.44E-21	-0.14064	0.01	0.065	2.15E-17	M1	SETMAR
DNAJA4.3	1.46E-21	0.290493	0.107	0.053	2.18E-17	M1	DNAJA4
NIF3L1	1.52E-21	-0.13297	0.053	0.134	2.27E-17	M1	NIF3L1
ATOX1.4	1.53E-21	-0.23248	0.461	0.634	2.29E-17	M1	ATOX1
UCK2.1	1.53E-21	-0.10249	0.03	0.098	2.29E-17	M1	UCK2
NRG2.1	1.65E-21	-0.11633	0.002	0.048	2.46E-17	M1	NRG2
UBE3C.2	1.78E-21	-0.10695	0.046	0.123	2.66E-17	M1	UBE3C
IRAK2	1.78E-21	0.275781	0.091	0.042	2.67E-17	M1	IRAK2
PRKAB2	1.82E-21	-0.11528	0.013	0.07	2.71E-17	M1	PRKAB2
EVI5L.1	1.83E-21	-0.10355	0.013	0.069	2.74E-17	M1	EVI5L
CDK17.2	2.10E-21	-0.11235	0.05	0.13	3.14E-17	M1	CDK17
GSE1.3	2.27E-21	-0.15241	0.034	0.103	3.39E-17	M1	GSE1
GSTZ1.2	2.29E-21	-0.15023	0.08	0.173	3.43E-17	M1	GSTZ1
SPTSSB.1	2.38E-21	-0.16247	0	0.044	3.56E-17	M1	SPTSSB
SEMA4D.4	2.40E-21	0.254757	0.132	0.07	3.59E-17	M1	SEMA4D
ST8SIA5.1	2.42E-21	-0.12681	0.003	0.051	3.61E-17	M1	ST8SIA5
TGFB2.3	2.44E-21	-0.12857	0.017	0.077	3.64E-17	M1	TGFB2
CWC22.1	2.44E-21	-0.10615	0.058	0.141	3.65E-17	M1	CWC22
CIPC	2.45E-21	-0.12797	0.025	0.089	3.66E-17	M1	CIPC
PIK3CD.2	2.48E-21	0.181344	0.064	0.024	3.71E-17	M1	PIK3CD
PUS7.1	2.56E-21	-0.10697	0.014	0.07	3.82E-17	M1	PUS7

AAGAB. 1	2.59E-21	-0.10652	0.049	0.128	3.88E-17 M1	AAGAB
DACT3. 2	2.60E-21	-0.12874	0.024	0.088	3.88E-17 M1	DACT3
NUP37. 1	2.67E-21	-0.12684	0.061	0.145	3.99E-17 M1	NUP37
SIRT2. 4	2.78E-21	-0.16928	0.28	0.443	4.15E-17 M1	SIRT2
TUBA4A. 1	2.85E-21	-0.23139	0.01	0.063	4.25E-17 M1	TUBA4A
SP9. 3	2.90E-21	-0.17174	0.002	0.048	4.34E-17 M1	SP9
Clorf174. 2	2.92E-21	-0.10517	0.077	0.169	4.36E-17 M1	Clorf174
SLX4IP	2.96E-21	-0.1001	0.012	0.067	4.42E-17 M1	SLX4IP
ZC4H2. 2	3.01E-21	-0.14913	0.009	0.061	4.49E-17 M1	ZC4H2
DOK4. 2	3.01E-21	-0.11766	0.005	0.054	4.49E-17 M1	DOK4
KITLG	3.03E-21	-0.10238	0.003	0.05	4.52E-17 M1	KITLG
H2AFX. 3	3.04E-21	-0.12174	0.127	0.238	4.55E-17 M1	H2AFX
FAM149A. 2	3.08E-21	0.223047	0.066	0.026	4.61E-17 M1	FAM149A
NAV3	3.26E-21	0.178074	0.06	0.021	4.87E-17 M1	NAV3
XRCC2	3.28E-21	-0.1167	0.003	0.049	4.90E-17 M1	XRCC2
AGAP3. 3	3.29E-21	-0.10742	0.039	0.112	4.92E-17 M1	AGAP3
ECM1	3.31E-21	-0.137	0.003	0.049	4.94E-17 M1	ECM1
CCSAP. 1	3.34E-21	-0.12505	0.039	0.112	4.99E-17 M1	CCSAP
ZDHHC22. 2	3.52E-21	-0.1339	0.004	0.051	5.26E-17 M1	ZDHHC22
CAPNS1. 3	3.57E-21	-0.11943	0.215	0.364	5.33E-17 M1	CAPNS1
SF3B2. 1	3.66E-21	-0.13925	0.367	0.556	5.47E-17 M1	SF3B2
PRRT1. 1	3.66E-21	-0.10631	0.008	0.06	5.48E-17 M1	PRRT1
GAB3. 2	3.70E-21	0.219945	0.067	0.026	5.53E-17 M1	GAB3
EIF4E2. 2	3.75E-21	-0.10001	0.208	0.358	5.61E-17 M1	EIF4E2
UFM1	3.87E-21	-0.10164	0.218	0.367	5.79E-17 M1	UFM1
FOXMI. 2	3.98E-21	-0.13783	0.009	0.061	5.94E-17 M1	FOXMI
PROC	4.10E-21	0.132925	0.03	0.006	6.13E-17 M1	PROC
BEST1. 2	4.13E-21	0.38912	0.33	0.264	6.17E-17 M1	BEST1
KIFC1. 2	4.15E-21	-0.13869	0.013	0.068	6.21E-17 M1	KIFC1
RP11-138A	4.46E-21	0.35361	0.182	0.114	6.67E-17 M1	RP11-138A9. 1
MFSD2A. 2	4.47E-21	-0.14153	0.039	0.111	6.68E-17 M1	MFSD2A
IL33. 2	4.60E-21	-0.12699	0.005	0.053	6.88E-17 M1	IL33
SLC9B2	4.66E-21	-0.12909	0.005	0.053	6.97E-17 M1	SLC9B2
MED4	4.77E-21	-0.11187	0.273	0.445	7.13E-17 M1	MED4
HIST1H2BC	5.08E-21	0.231556	0.05	0.016	7.60E-17 M1	HIST1H2BC
PSD2. 1	5.10E-21	-0.14724	0.003	0.049	7.62E-17 M1	PSD2
ZNF211. 1	5.12E-21	-0.1204	0.017	0.076	7.66E-17 M1	ZNF211
MMP19. 1	5.14E-21	0.234436	0.102	0.049	7.69E-17 M1	MMP19
FGFR2. 2	5.20E-21	-0.19906	0.006	0.056	7.78E-17 M1	FGFR2
IL10RB. 4	5.38E-21	0.386942	0.298	0.232	8.03E-17 M1	IL10RB
PRMT2. 1	6.03E-21	-0.11492	0.301	0.479	9.00E-17 M1	PRMT2
CPPED1. 4	6.03E-21	0.227473	0.115	0.058	9.01E-17 M1	CPPED1
ZC3H13. 4	6.06E-21	-0.10036	0.212	0.358	9.06E-17 M1	ZC3H13
NEK11. 2	6.12E-21	-0.13027	0.006	0.056	9.15E-17 M1	NEK11
TLN2. 3	6.56E-21	0.379059	0.144	0.084	9.81E-17 M1	TLN2
NDUFB6. 1	6.91E-21	-0.14781	0.344	0.528	1.03E-16 M1	NDUFB6
FKBPL. 1	7.02E-21	-0.10597	0.017	0.075	1.05E-16 M1	FKBPL
ARMCX2. 3	7.11E-21	-0.11375	0.072	0.161	1.06E-16 M1	ARMCX2
UGT8. 3	7.87E-21	-0.24654	0.008	0.058	1.18E-16 M1	UGT8
KCNJ5	8.00E-21	0.178727	0.049	0.016	1.20E-16 M1	KCNJ5
FBLN5. 1	8.00E-21	-0.20733	0.002	0.047	1.20E-16 M1	FBLN5

PTGDS. 1	8. 37E-21	-0. 64238	0. 1	0. 184	1. 25E-16 M1	PTGDS
SMIM10. 1	8. 55E-21	-0. 12622	0. 007	0. 056	1. 28E-16 M1	SMIM10
MAST2. 1	8. 62E-21	-0. 1122	0. 02	0. 08	1. 29E-16 M1	MAST2
POLD3	8. 79E-21	-0. 10331	0. 037	0. 108	1. 31E-16 M1	POLD3
NET1. 3	9. 27E-21	0. 284209	0. 077	0. 033	1. 39E-16 M1	NET1
POC1A. 2	9. 45E-21	-0. 1247	0. 012	0. 066	1. 41E-16 M1	POC1A
SIGLEC11	9. 58E-21	0. 142884	0. 033	0. 008	1. 43E-16 M1	SIGLEC11
ZNF776. 1	9. 72E-21	-0. 11306	0. 013	0. 068	1. 45E-16 M1	ZNF776
BMPER	9. 84E-21	-0. 12271	0	0. 043	1. 47E-16 M1	BMPER
FAM49A. 3	1. 02E-20	0. 424433	0. 226	0. 16	1. 52E-16 M1	FAM49A
KIF2C. 2	1. 04E-20	-0. 14131	0. 004	0. 051	1. 55E-16 M1	KIF2C
CLOCK. 3	1. 06E-20	-0. 11751	0. 06	0. 142	1. 58E-16 M1	CLOCK
FHL2. 1	1. 06E-20	-0. 11477	0. 006	0. 054	1. 59E-16 M1	FHL2
BTBD19	1. 09E-20	0. 162583	0. 046	0. 015	1. 63E-16 M1	BTBD19
KCNN2. 1	1. 10E-20	-0. 11754	0	0. 043	1. 64E-16 M1	KCNN2
VWA3B. 1	1. 17E-20	-0. 10675	0. 001	0. 045	1. 75E-16 M1	VWA3B
GUCY1A2	1. 20E-20	-0. 11704	0. 001	0. 044	1. 79E-16 M1	GUCY1A2
ECT2. 2	1. 21E-20	-0. 12188	0. 008	0. 058	1. 81E-16 M1	ECT2
TMEM86A. 3	1. 22E-20	0. 227462	0. 086	0. 039	1. 82E-16 M1	TMEM86A
SSH2. 4	1. 22E-20	0. 395675	0. 232	0. 165	1. 82E-16 M1	SSH2
ALDOA. 3	1. 25E-20	-0. 22833	0. 796	0. 855	1. 87E-16 M1	ALDOA
EIF3H. 2	1. 31E-20	0. 149851	0. 653	0. 672	1. 96E-16 M1	EIF3H
AACS	1. 31E-20	-0. 11176	0. 016	0. 073	1. 96E-16 M1	AACS
ACTN2	1. 32E-20	-0. 11422	0. 004	0. 05	1. 97E-16 M1	ACTN2
RHPN2. 1	1. 34E-20	-0. 124	0. 002	0. 046	2. 00E-16 M1	RHPN2
VWA5A. 2	1. 35E-20	-0. 14751	0. 034	0. 101	2. 01E-16 M1	VWA5A
SCN1B. 3	1. 36E-20	0. 307637	0. 116	0. 061	2. 03E-16 M1	SCN1B
BRSK2. 1	1. 40E-20	-0. 11682	0. 002	0. 047	2. 09E-16 M1	BRSK2
HNRNPK. 2	1. 40E-20	-0. 18614	0. 678	0. 811	2. 10E-16 M1	HNRNPK
BTG1. 4	1. 41E-20	0. 121136	0. 736	0. 679	2. 10E-16 M1	BTG1
NECAB1. 3	1. 45E-20	-0. 20026	0. 001	0. 045	2. 17E-16 M1	NECAB1
LRRC23	1. 48E-20	-0. 10691	0. 061	0. 144	2. 21E-16 M1	LRRC23
PLXND1. 3	1. 50E-20	0. 337743	0. 15	0. 088	2. 25E-16 M1	PLXND1
SNRPC. 1	1. 51E-20	-0. 15441	0. 354	0. 544	2. 25E-16 M1	SNRPC
UBE2E1. 2	1. 51E-20	-0. 13674	0. 307	0. 48	2. 25E-16 M1	UBE2E1
FLVCR2. 1	1. 53E-20	0. 17372	0. 069	0. 028	2. 29E-16 M1	FLVCR2
PDZRN4. 2	1. 54E-20	-0. 16653	0. 002	0. 046	2. 29E-16 M1	PDZRN4
KLF15	1. 56E-20	-0. 12694	0. 002	0. 047	2. 33E-16 M1	KLF15
SYN1	1. 59E-20	-0. 13038	0. 001	0. 045	2. 38E-16 M1	SYN1
MMD. 3	1. 60E-20	0. 364886	0. 295	0. 234	2. 39E-16 M1	MMD
HHLA3. 4	1. 66E-20	-0. 12551	0. 068	0. 154	2. 48E-16 M1	HHLA3
FBXO16	1. 74E-20	-0. 12213	0. 003	0. 048	2. 60E-16 M1	FBXO16
PSMC5. 1	1. 78E-20	-0. 18058	0. 401	0. 585	2. 65E-16 M1	PSMC5
RP11-430H	1. 83E-20	-0. 11212	0. 002	0. 046	2. 73E-16 M1	RP11-430H10. 1
RP11-315A	1. 89E-20	-0. 13251	0	0. 042	2. 83E-16 M1	RP11-315A16. 1
GFPT1. 3	1. 91E-20	-0. 11324	0. 037	0. 107	2. 85E-16 M1	GFPT1
SH3YL1. 3	2. 06E-20	-0. 12701	0. 099	0. 198	3. 07E-16 M1	SH3YL1
AC018647.	2. 12E-20	-0. 24928	0. 004	0. 049	3. 16E-16 M1	AC018647. 3
BNC2	2. 16E-20	0. 194205	0. 056	0. 02	3. 23E-16 M1	BNC2
ARX. 3	2. 21E-20	-0. 15933	0. 003	0. 047	3. 31E-16 M1	ARX
KCNQ3. 1	2. 26E-20	0. 221653	0. 079	0. 034	3. 37E-16 M1	KCNQ3

SAA1. 3	2. 31E-20	-0. 94708	0. 059	0. 131	3. 45E-16	M1	SAA1
ARG2. 2	2. 39E-20	0. 333944	0. 151	0. 089	3. 57E-16	M1	ARG2
EGLN3. 1	2. 54E-20	-0. 18076	0. 016	0. 072	3. 80E-16	M1	EGLN3
PGAM2. 3	2. 61E-20	-0. 19635	0. 007	0. 056	3. 90E-16	M1	PGAM2
SLC6A9	2. 62E-20	-0. 13217	0. 005	0. 051	3. 92E-16	M1	SLC6A9
C22orf29.	2. 65E-20	-0. 11002	0. 016	0. 073	3. 95E-16	M1	C22orf29
INTS7	2. 73E-20	-0. 12392	0. 014	0. 068	4. 08E-16	M1	INTS7
RNF144A. 1	2. 74E-20	-0. 13882	0. 004	0. 05	4. 09E-16	M1	RNF144A
NARS. 1	2. 75E-20	-0. 13958	0. 292	0. 466	4. 11E-16	M1	NARS
RP11-412E	2. 79E-20	-0. 11142	0. 004	0. 049	4. 17E-16	M1	RP11-412D9. 4
GRHPR. 2	3. 01E-20	-0. 10784	0. 259	0. 419	4. 49E-16	M1	GRHPR
TAGLN2. 4	3. 17E-20	-0. 2813	0. 406	0. 536	4. 73E-16	M1	TAGLN2
MKRN3. 1	3. 21E-20	-0. 12192	0. 005	0. 052	4. 79E-16	M1	MKRN3
PPP1R10. 3	3. 23E-20	0. 400759	0. 33	0. 279	4. 83E-16	M1	PPP1R10
RP5-1177M	3. 35E-20	-0. 20334	0. 006	0. 053	5. 01E-16	M1	RP5-1177M21. 1
SAAL1	3. 39E-20	-0. 12146	0. 061	0. 141	5. 07E-16	M1	SAAL1
MRPS25	3. 42E-20	-0. 12119	0. 16	0. 285	5. 11E-16	M1	MRPS25
ZNF441	3. 48E-20	-0. 1031	0. 006	0. 053	5. 20E-16	M1	ZNF441
WDR86	3. 52E-20	-0. 1105	0. 005	0. 051	5. 27E-16	M1	WDR86
C19orf60.	3. 55E-20	0. 219034	0. 512	0. 5	5. 31E-16	M1	C19orf60
KCND2. 1	3. 57E-20	-0. 12429	0. 001	0. 043	5. 34E-16	M1	KCND2
RALGPS1. 1	3. 62E-20	-0. 11908	0. 011	0. 062	5. 41E-16	M1	RALGPS1
PDE1C	3. 66E-20	-0. 16447	0. 003	0. 047	5. 47E-16	M1	PDE1C
DEPDC1B	3. 92E-20	-0. 11241	0. 001	0. 043	5. 86E-16	M1	DEPDC1B
EPHB1. 1	3. 97E-20	-0. 13837	0. 006	0. 054	5. 93E-16	M1	EPHB1
BCO2	4. 03E-20	0. 3319	0. 085	0. 039	6. 02E-16	M1	BCO2
MCM5. 4	4. 03E-20	0. 340684	0. 207	0. 138	6. 03E-16	M1	MCM5
SPATA13. 3	4. 14E-20	0. 416755	0. 218	0. 154	6. 18E-16	M1	SPATA13
NBL1. 4	4. 15E-20	0. 396076	0. 23	0. 168	6. 20E-16	M1	NBL1
NSMCE1. 2	4. 18E-20	-0. 13053	0. 27	0. 431	6. 25E-16	M1	NSMCE1
MEAF6. 3	4. 27E-20	-0. 11136	0. 325	0. 507	6. 39E-16	M1	MEAF6
PCMT1. 2	4. 28E-20	-0. 14859	0. 385	0. 572	6. 39E-16	M1	PCMT1
VRK2. 4	4. 38E-20	0. 263456	0. 096	0. 046	6. 54E-16	M1	VRK2
SOD3. 2	4. 52E-20	-0. 11109	0. 003	0. 047	6. 75E-16	M1	SOD3
RP11-127E	4. 64E-20	-0. 10409	0. 007	0. 055	6. 93E-16	M1	RP11-127B20. 2
RALGDS. 3	4. 73E-20	-0. 15642	0. 08	0. 167	7. 06E-16	M1	RALGDS
MYBL2. 3	4. 78E-20	-0. 10337	0. 006	0. 053	7. 15E-16	M1	MYBL2
RIPPLY2	5. 03E-20	-0. 10579	0. 002	0. 045	7. 52E-16	M1	RIPPLY2
CENPA. 4	5. 40E-20	-0. 15117	0. 008	0. 057	8. 06E-16	M1	CENPA
CPLX1. 1	5. 47E-20	-0. 16027	0. 004	0. 05	8. 18E-16	M1	CPLX1
SNX9. 4	5. 48E-20	0. 391904	0. 242	0. 179	8. 18E-16	M1	SNX9
NDUFA6. 2	5. 50E-20	-0. 21349	0. 423	0. 601	8. 22E-16	M1	NDUFA6
DDX25. 1	5. 59E-20	-0. 12799	0. 003	0. 047	8. 35E-16	M1	DDX25
CDKAL1. 1	5. 86E-20	-0. 1216	0. 037	0. 105	8. 75E-16	M1	CDKAL1
CCT4. 1	5. 87E-20	-0. 14187	0. 402	0. 592	8. 77E-16	M1	CCT4
DHFRL1. 1	5. 97E-20	-0. 1119	0. 018	0. 075	8. 93E-16	M1	DHFRL1
SUSD4. 1	6. 05E-20	-0. 13567	0. 004	0. 048	9. 04E-16	M1	SUSD4
GPC6. 1	6. 14E-20	-0. 12799	0. 004	0. 049	9. 18E-16	M1	GPC6
C15orf48.	6. 29E-20	0. 229365	0. 117	0. 06	9. 40E-16	M1	C15orf48
TTC39C. 1	6. 40E-20	-0. 11179	0. 028	0. 091	9. 57E-16	M1	TTC39C
SLC39A4. 2	6. 49E-20	0. 248761	0. 142	0. 08	9. 70E-16	M1	SLC39A4

TNR. 3	6.60E-20	-0.18652	0.012	0.063	9.87E-16	M1	TNR
CLEC11A. 3	6.76E-20	-0.10192	0.138	0.25	1.01E-15	M1	CLEC11A
DEPDC1. 1	6.77E-20	-0.11395	0.001	0.042	1.01E-15	M1	DEPDC1
DLGAP5. 3	6.86E-20	-0.1283	0.001	0.042	1.03E-15	M1	DLGAP5
RUNX1T1. 1	6.99E-20	-0.11862	0	0.041	1.04E-15	M1	RUNX1T1
ID3. 4	7.42E-20	-0.28306	0.17	0.283	1.11E-15	M1	ID3
STAT5A. 4	7.42E-20	0.213192	0.092	0.044	1.11E-15	M1	STAT5A
SHMT1. 3	7.48E-20	0.375917	0.17	0.107	1.12E-15	M1	SHMT1
SGPP1. 3	7.64E-20	0.261689	0.126	0.069	1.14E-15	M1	SGPP1
NDC80. 2	7.76E-20	-0.15566	0.008	0.056	1.16E-15	M1	NDC80
EEF1A2	7.85E-20	-0.1055	0.002	0.045	1.17E-15	M1	EEF1A2
UNC80	7.95E-20	-0.10304	0.003	0.047	1.19E-15	M1	UNC80
MND1. 1	8.11E-20	-0.11817	0.006	0.052	1.21E-15	M1	MND1
METTL14. 2	8.13E-20	-0.10527	0.036	0.104	1.21E-15	M1	METTL14
C14orf37. 8	8.39E-20	-0.11367	0.05	0.124	1.25E-15	M1	C14orf37
ATP1A2. 2	8.84E-20	-0.2704	0.017	0.071	1.32E-15	M1	ATP1A2
KCNMA1. 3	8.95E-20	0.372361	0.197	0.132	1.34E-15	M1	KCNMA1
RAB31. 4	9.44E-20	0.250679	0.484	0.455	1.41E-15	M1	RAB31
KIF23. 2	9.56E-20	-0.11983	0.003	0.047	1.43E-15	M1	KIF23
ADCYAP1R1	9.73E-20	-0.11856	0.008	0.056	1.45E-15	M1	ADCYAP1R1
DICER1-AS	9.82E-20	-0.13111	0.011	0.062	1.47E-15	M1	DICER1-AS1
FHOD3	9.91E-20	-0.10457	0.001	0.043	1.48E-15	M1	FHOD3
KRT7. 1	9.97E-20	-0.15833	0.003	0.046	1.49E-15	M1	KRT7
ZNF14. 1	1.00E-19	-0.11122	0.009	0.059	1.50E-15	M1	ZNF14
EPB41L4A-	1.01E-19	-0.12089	0.187	0.315	1.52E-15	M1	EPB41L4A-AS1
NUDT3. 4	1.03E-19	0.326986	0.418	0.396	1.53E-15	M1	NUDT3
LINGO1. 1	1.09E-19	-0.12977	0.001	0.043	1.63E-15	M1	LINGO1
LIMD2. 4	1.13E-19	0.411246	0.296	0.239	1.69E-15	M1	LIMD2
ERP29. 1	1.16E-19	0.168582	0.606	0.612	1.74E-15	M1	ERP29
MIR7-3HG.	1.20E-19	-0.20837	0	0.041	1.80E-15	M1	MIR7-3HG
MAL. 3	1.21E-19	-0.28086	0.003	0.047	1.80E-15	M1	MAL
MAPK8IP2.	1.23E-19	-0.10908	0.005	0.05	1.83E-15	M1	MAPK8IP2
GPR160. 1	1.23E-19	0.154515	0.053	0.019	1.83E-15	M1	GPR160
UBE2N. 2	1.23E-19	-0.1449	0.366	0.553	1.84E-15	M1	UBE2N
ALPK3	1.27E-19	0.161396	0.048	0.016	1.89E-15	M1	ALPK3
HPRT1. 4	1.31E-19	0.339894	0.289	0.219	1.96E-15	M1	HPRT1
BCL11A. 2	1.32E-19	-0.13053	0.008	0.056	1.98E-15	M1	BCL11A
TRO. 1	1.33E-19	-0.11202	0.016	0.071	1.98E-15	M1	TRO
TJP2. 1	1.38E-19	-0.14757	0.011	0.062	2.06E-15	M1	TJP2
HNRNPH3. 3	1.41E-19	-0.1099	0.303	0.474	2.10E-15	M1	HNRNPH3
APOBR. 3	1.45E-19	0.187553	0.073	0.031	2.17E-15	M1	APOBR
ERGIC3. 2	1.47E-19	-0.18894	0.44	0.603	2.20E-15	M1	ERGIC3
OIP5. 2	1.48E-19	-0.11309	0.004	0.049	2.22E-15	M1	OIP5
NGFR. 1	1.59E-19	-0.14187	0.002	0.043	2.37E-15	M1	NGFR
CITED2. 3	1.59E-19	0.318737	0.395	0.344	2.38E-15	M1	CITED2
GIMAP8. 1	1.64E-19	0.145619	0.044	0.014	2.45E-15	M1	GIMAP8
ZNF385A. 4	1.64E-19	0.310059	0.192	0.125	2.46E-15	M1	ZNF385A
CLGN	1.66E-19	-0.13342	0.002	0.043	2.48E-15	M1	CLGN
SUMO3. 4	1.68E-19	0.267641	0.463	0.434	2.51E-15	M1	SUMO3
PFDN2. 2	1.70E-19	-0.16529	0.452	0.642	2.55E-15	M1	PFDN2
FABP6. 3	1.72E-19	-0.16277	0.003	0.045	2.57E-15	M1	FABP6

SCAND1.3	1.81E-19	-0.15195	0.438	0.597	2.71E-15	M1	SCAND1
SLC32A1.2	1.85E-19	-0.16841	0.002	0.044	2.76E-15	M1	SLC32A1
NR1D1.3	1.91E-19	-0.10801	0.009	0.057	2.86E-15	M1	NR1D1
SPIB.1	1.96E-19	0.145466	0.033	0.008	2.93E-15	M1	SPIB
SPTLC3	1.97E-19	0.16878	0.038	0.011	2.95E-15	M1	SPTLC3
BCAT2.2	1.98E-19	-0.12607	0.07	0.152	2.96E-15	M1	BCAT2
PSORS1C1.	2.00E-19	-0.14908	0.002	0.043	2.99E-15	M1	PSORS1C1
NAT8L.1	2.13E-19	-0.10563	0.009	0.058	3.19E-15	M1	NAT8L
CD180.3	2.14E-19	0.206211	0.071	0.03	3.20E-15	M1	CD180
HMMR.1	2.23E-19	-0.13499	0.004	0.047	3.33E-15	M1	HMMR
RMI1.1	2.29E-19	-0.11366	0.015	0.069	3.42E-15	M1	RMI1
UTP3.1	2.33E-19	-0.10138	0.069	0.152	3.48E-15	M1	UTP3
ZNF419.1	2.38E-19	-0.12301	0.017	0.071	3.55E-15	M1	ZNF419
PKMYT1.2	2.40E-19	-0.12194	0.005	0.05	3.59E-15	M1	PKMYT1
AP3S1.1	2.43E-19	-0.10629	0.288	0.455	3.63E-15	M1	AP3S1
EXOSC2.1	2.48E-19	-0.10288	0.037	0.104	3.71E-15	M1	EXOSC2
DNAJC3-AS	2.52E-19	-0.12288	0.009	0.058	3.77E-15	M1	DNAJC3-AS1
C11orf95	2.55E-19	-0.1001	0.005	0.05	3.81E-15	M1	C11orf95
ZWINT.3	2.60E-19	-0.16354	0.038	0.104	3.89E-15	M1	ZWINT
SCN9A.1	2.60E-19	-0.15668	0.001	0.042	3.89E-15	M1	SCN9A
FAHD2B.1	2.62E-19	-0.10785	0.03	0.093	3.91E-15	M1	FAHD2B
RP4-798A1	2.72E-19	-0.10974	0.004	0.047	4.06E-15	M1	RP4-798A10.7
ZNF550.2	2.77E-19	-0.12485	0.008	0.056	4.14E-15	M1	ZNF550
FSD1L.1	2.82E-19	-0.1001	0.01	0.059	4.22E-15	M1	FSD1L
GDF15.3	2.86E-19	-0.23933	0.022	0.079	4.28E-15	M1	GDF15
PA2G4	2.97E-19	-0.17235	0.385	0.57	4.43E-15	M1	PA2G4
CAT.3	3.01E-19	0.311988	0.353	0.295	4.50E-15	M1	CAT
SSR3.4	3.04E-19	0.186676	0.538	0.524	4.54E-15	M1	SSR3
TRIT1.1	3.13E-19	-0.11037	0.034	0.098	4.68E-15	M1	TRIT1
CHST13.1	3.15E-19	0.115989	0.041	0.012	4.71E-15	M1	CHST13
NCAPG.2	3.19E-19	-0.12316	0.005	0.049	4.77E-15	M1	NCAPG
BCL11B.1	3.20E-19	-0.15588	0	0.04	4.78E-15	M1	BCL11B
GABARAPL1	3.28E-19	0.384582	0.343	0.288	4.90E-15	M1	GABARAPL1
ERBB3.2	3.35E-19	-0.1911	0.003	0.045	5.01E-15	M1	ERBB3
RNF112	3.43E-19	-0.10409	0.002	0.044	5.12E-15	M1	RNF112
RORB.1	3.45E-19	-0.14954	0.003	0.045	5.15E-15	M1	RORB
DAPP1.3	3.68E-19	0.175716	0.058	0.022	5.50E-15	M1	DAPP1
INA.2	3.69E-19	-0.14567	0.005	0.05	5.52E-15	M1	INA
RAPGEF5.2	3.70E-19	-0.21641	0.005	0.05	5.53E-15	M1	RAPGEF5
TCEAL6.1	4.09E-19	-0.17385	0.002	0.043	6.11E-15	M1	TCEAL6
CDK5R2.1	4.31E-19	-0.14172	0.001	0.04	6.44E-15	M1	CDK5R2
RHOC.3	4.44E-19	-0.22049	0.416	0.557	6.64E-15	M1	RHOC
BCYRN1.1	4.61E-19	-0.10939	0.011	0.06	6.89E-15	M1	BCYRN1
CD300LB.1	4.70E-19	0.124093	0.028	0.006	7.03E-15	M1	CD300LB
FIS1.3	4.88E-19	-0.18072	0.483	0.669	7.29E-15	M1	FIS1
ARMCX5.1	5.16E-19	-0.10433	0.025	0.085	7.71E-15	M1	ARMCX5
ZNF398.3	5.19E-19	-0.10377	0.014	0.066	7.75E-15	M1	ZNF398
MCAM.1	5.23E-19	-0.10452	0.005	0.05	7.82E-15	M1	MCAM
PAQR6.2	5.23E-19	-0.14026	0.024	0.082	7.82E-15	M1	PAQR6
RP11-930F	5.40E-19	0.111797	0.017	0.002	8.07E-15	M1	RP11-930P14.1
ZFR2.1	5.67E-19	-0.13219	0.003	0.045	8.47E-15	M1	ZFR2



COMT. 4	5.86E-19	0.178525	0.555	0.546	8.76E-15	M1	COMT
RIPK2. 4	5.97E-19	0.376098	0.222	0.157	8.93E-15	M1	RIPK2
LINC01004	5.99E-19	0.146939	0.037	0.01	8.95E-15	M1	LINC01004
ARPP19. 2	6.00E-19	-0.10894	0.287	0.453	8.96E-15	M1	ARPP19
HPS3. 2	6.03E-19	0.372045	0.193	0.132	9.00E-15	M1	HPS3
RP11-1143	6.31E-19	0.237464	0.091	0.044	9.44E-15	M1	RP11-1143G9. 4
USP31. 3	6.48E-19	-0.10554	0.011	0.06	9.68E-15	M1	USP31
RAB3C	6.48E-19	-0.14118	0.003	0.045	9.69E-15	M1	RAB3C
CDCA5. 2	6.89E-19	-0.11685	0.007	0.053	1.03E-14	M1	CDCA5
LRRC61. 3	7.02E-19	-0.15142	0.019	0.073	1.05E-14	M1	LRRC61
NOVA1-AS1	7.17E-19	-0.10355	0.001	0.041	1.07E-14	M1	NOVA1-AS1
CTDSP2. 2	7.32E-19	-0.13805	0.178	0.296	1.09E-14	M1	CTDSP2
LRCH2	7.33E-19	-0.11678	0.001	0.04	1.10E-14	M1	LRCH2
MSRA. 3	7.59E-19	-0.12482	0.161	0.275	1.13E-14	M1	MSRA
MLKL. 1	7.80E-19	0.174569	0.058	0.022	1.17E-14	M1	MLKL
MASP1. 1	8.49E-19	-0.14811	0.004	0.047	1.27E-14	M1	MASP1
PGAM1. 2	9.44E-19	-0.19964	0.365	0.529	1.41E-14	M1	PGAM1
PERP. 1	9.56E-19	-0.11204	0.002	0.043	1.43E-14	M1	PERP
IBSP. 2	9.56E-19	0.193987	0.051	0.018	1.43E-14	M1	IBSP
DECR1. 2	9.69E-19	-0.13368	0.281	0.438	1.45E-14	M1	DECR1
METTL18	1.02E-18	-0.10768	0.022	0.078	1.52E-14	M1	METTL18
H2AFV. 3	1.03E-18	-0.17407	0.384	0.55	1.54E-14	M1	H2AFV
ATP6VOD1.	1.06E-18	0.228883	0.509	0.51	1.58E-14	M1	ATP6VOD1
LOX. 2	1.09E-18	-0.19854	0.007	0.052	1.63E-14	M1	LOX
CNTN2. 2	1.16E-18	-0.28764	0.005	0.048	1.73E-14	M1	CNTN2
RABGAP1L.	1.16E-18	0.297492	0.16	0.1	1.74E-14	M1	RABGAP1L
FOSL2. 4	1.25E-18	0.375925	0.238	0.176	1.86E-14	M1	FOSL2
MCM3. 2	1.30E-18	-0.12678	0.074	0.156	1.94E-14	M1	MCM3
PACRG. 1	1.42E-18	-0.13832	0.003	0.043	2.12E-14	M1	PACRG
C8orf59. 2	1.42E-18	-0.13612	0.262	0.419	2.13E-14	M1	C8orf59
L1CAM. 1	1.45E-18	-0.14968	0.002	0.041	2.17E-14	M1	L1CAM
FBRSL1. 1	1.45E-18	-0.10441	0.013	0.063	2.17E-14	M1	FBRSL1
CADM1. 2	1.50E-18	-0.12872	0.215	0.347	2.25E-14	M1	CADM1
TFAP2A. 1	1.51E-18	-0.13876	0.003	0.043	2.25E-14	M1	TFAP2A
EIF6	1.51E-18	-0.14367	0.375	0.55	2.25E-14	M1	EIF6
CALCRL	1.51E-18	-0.12125	0.005	0.048	2.26E-14	M1	CALCRL
GSDMA	1.54E-18	0.106675	0.039	0.012	2.30E-14	M1	GSDMA
PNP. 2	1.57E-18	0.31793	0.153	0.093	2.34E-14	M1	PNP
CSF2RB. 3	1.58E-18	0.165955	0.052	0.019	2.35E-14	M1	CSF2RB
HJURP. 2	1.58E-18	-0.12386	0.004	0.046	2.37E-14	M1	HJURP
GPR173	1.63E-18	-0.10189	0.002	0.042	2.44E-14	M1	GPR173
PABPC3. 1	1.64E-18	0.166656	0.052	0.019	2.46E-14	M1	PABPC3
FCGR3B	1.67E-18	0.11876	0.02	0.003	2.50E-14	M1	FCGR3B
C19orf53.	1.69E-18	-0.22198	0.569	0.706	2.53E-14	M1	C19orf53
FLT1. 2	1.71E-18	0.142658	0.045	0.015	2.55E-14	M1	FLT1
BUB3. 2	1.72E-18	-0.1078	0.2	0.329	2.57E-14	M1	BUB3
ANXA7. 3	1.81E-18	0.311058	0.376	0.331	2.71E-14	M1	ANXA7
WDR19. 3	1.88E-18	-0.10352	0.009	0.055	2.81E-14	M1	WDR19
MEA1	1.91E-18	-0.12821	0.295	0.461	2.85E-14	M1	MEA1
ACO06129.	1.91E-18	0.168523	0.034	0.009	2.85E-14	M1	ACO06129. 2
OSGEPL1	1.99E-18	-0.10783	0.022	0.078	2.98E-14	M1	OSGEPL1

MAP2K3. 4	2. 00E-18	0. 382659	0. 238	0. 179	2. 99E-14	M1	MAP2K3
DARS. 3	2. 04E-18	-0. 12451	0. 274	0. 428	3. 05E-14	M1	DARS
FANCI. 2	2. 07E-18	-0. 10397	0. 008	0. 054	3. 09E-14	M1	FANCI
ANXA1. 2	2. 09E-18	0. 115543	0. 497	0. 392	3. 13E-14	M1	ANXA1
CCDC109B. 2	2. 14E-18	-0. 13644	0. 239	0. 371	3. 20E-14	M1	CCDC109B
NBEA	2. 19E-18	-0. 11924	0. 01	0. 057	3. 27E-14	M1	NBEA
SIRPB2. 1	2. 19E-18	0. 141743	0. 038	0. 011	3. 28E-14	M1	SIRPB2
FAM124A. 1	2. 22E-18	-0. 125	0. 003	0. 044	3. 32E-14	M1	FAM124A
NEK2. 2	2. 24E-18	-0. 12708	0. 001	0. 04	3. 35E-14	M1	NEK2
FAM13C. 1	2. 32E-18	-0. 12534	0. 005	0. 047	3. 47E-14	M1	FAM13C
MAT2A. 3	2. 40E-18	0. 315258	0. 407	0. 379	3. 59E-14	M1	MAT2A
PLA2G4C. 1	2. 45E-18	-0. 10982	0. 007	0. 051	3. 65E-14	M1	PLA2G4C
ALPK1	2. 53E-18	0. 214496	0. 069	0. 03	3. 78E-14	M1	ALPK1
TK1. 3	2. 84E-18	-0. 17202	0. 024	0. 08	4. 24E-14	M1	TK1
HOXB2. 3	2. 85E-18	-0. 1696	0. 034	0. 094	4. 26E-14	M1	HOXB2
KCNC3	2. 87E-18	0. 149098	0. 04	0. 012	4. 29E-14	M1	KCNC3
CTSK. 2	2. 90E-18	-0. 12401	0. 011	0. 058	4. 34E-14	M1	CTSK
HNRNPA2B1	3. 11E-18	-0. 16799	0. 792	0. 856	4. 64E-14	M1	HNRNPA2B1
MXD3. 3	3. 12E-18	-0. 13069	0. 019	0. 072	4. 66E-14	M1	MXD3
RP11-138A	3. 21E-18	0. 292734	0. 148	0. 089	4. 80E-14	M1	RP11-138A9. 2
ZNF236. 2	3. 33E-18	-0. 10458	0. 024	0. 081	4. 98E-14	M1	ZNF236
MTHFD1L. 4	3. 36E-18	0. 355241	0. 185	0. 126	5. 02E-14	M1	MTHFD1L
SLITRK2. 1	3. 41E-18	-0. 11805	0. 002	0. 041	5. 10E-14	M1	SLITRK2
TMEM126B	3. 48E-18	-0. 11022	0. 199	0. 331	5. 19E-14	M1	TMEM126B
TMEM160. 3	3. 48E-18	-0. 13307	0. 327	0. 494	5. 20E-14	M1	TMEM160
KIAA1107	3. 62E-18	-0. 13498	0. 007	0. 05	5. 41E-14	M1	KIAA1107
METTL9. 3	3. 68E-18	-0. 14023	0. 331	0. 496	5. 50E-14	M1	METTL9
STC2. 1	3. 71E-18	-0. 17286	0. 006	0. 048	5. 55E-14	M1	STC2
SDCBP2. 1	3. 72E-18	-0. 1142	0. 007	0. 051	5. 55E-14	M1	SDCBP2
C20orf24. 3	3. 88E-18	-0. 13907	0. 33	0. 495	5. 80E-14	M1	C20orf24
LINC01114	3. 97E-18	-0. 12881	0. 001	0. 039	5. 94E-14	M1	LINC01114
ATP5J. 2	4. 16E-18	-0. 20561	0. 627	0. 776	6. 21E-14	M1	ATP5J
WIPF3. 4	4. 25E-18	0. 303074	0. 138	0. 083	6. 36E-14	M1	WIPF3
YBX3. 1	4. 33E-18	0. 258094	0. 431	0. 399	6. 48E-14	M1	YBX3
CDCA8. 2	4. 34E-18	-0. 1274	0. 005	0. 046	6. 49E-14	M1	CDCA8
WDR91. 3	4. 38E-18	0. 330959	0. 131	0. 077	6. 54E-14	M1	WDR91
MTRR. 2	4. 39E-18	-0. 10128	0. 033	0. 094	6. 56E-14	M1	MTRR
NME8	4. 44E-18	0. 102465	0. 02	0. 003	6. 64E-14	M1	NME8
RCAN2. 1	4. 44E-18	-0. 16004	0. 007	0. 051	6. 64E-14	M1	RCAN2
NYAP1. 2	4. 64E-18	-0. 12004	0. 003	0. 043	6. 94E-14	M1	NYAP1
CLCF1. 2	4. 65E-18	-0. 14886	0. 006	0. 048	6. 95E-14	M1	CLCF1
LDHD	4. 66E-18	0. 140267	0. 047	0. 016	6. 96E-14	M1	LDHD
DDX21. 2	4. 90E-18	0. 342096	0. 341	0. 292	7. 32E-14	M1	DDX21
HOXC8	4. 92E-18	-0. 14247	0. 002	0. 04	7. 35E-14	M1	HOXC8
HSPD1. 3	5. 06E-18	-0. 17386	0. 47	0. 644	7. 56E-14	M1	HSPD1
LIFR-AS1	5. 52E-18	-0. 10693	0. 001	0. 039	8. 25E-14	M1	LIFR-AS1
COA7. 2	5. 58E-18	-0. 10149	0. 019	0. 072	8. 34E-14	M1	COA7
IL17D	5. 59E-18	-0. 10447	0. 002	0. 04	8. 35E-14	M1	IL17D
RAB14. 1	5. 74E-18	-0. 11159	0. 281	0. 444	8. 57E-14	M1	RAB14
ALDH18A1. 5	5. 79E-18	-0. 10721	0. 034	0. 095	8. 66E-14	M1	ALDH18A1
BUB1. 2	6. 03E-18	-0. 11242	0. 005	0. 047	9. 01E-14	M1	BUB1

EIF3D. 3	6. 37E-18	0. 276397	0. 477	0. 476	9. 52E-14	M1	EIF3D
PRCD. 1	6. 55E-18	-0. 19334	0. 002	0. 04	9. 79E-14	M1	PRCD
FGF12. 1	6. 69E-18	-0. 1575	0. 01	0. 055	9. 99E-14	M1	FGF12
DOCK11. 4	7. 50E-18	0. 239011	0. 093	0. 046	1. 12E-13	M1	DOCK11
SIRPB1. 1	7. 64E-18	0. 112058	0. 03	0. 008	1. 14E-13	M1	SIRPB1
MAP3K7CL.	7. 76E-18	-0. 12263	0. 007	0. 05	1. 16E-13	M1	MAP3K7CL
REC8. 2	8. 58E-18	-0. 13087	0. 029	0. 087	1. 28E-13	M1	REC8
STAT1. 2	8. 81E-18	-0. 10411	0. 141	0. 247	1. 32E-13	M1	STAT1
HBA2. 3	8. 93E-18	0. 197533	0. 256	0. 186	1. 33E-13	M1	HBA2
CCDC142	9. 46E-18	-0. 10747	0. 02	0. 073	1. 41E-13	M1	CCDC142
TRAPPC2L.	1. 05E-17	-0. 12721	0. 288	0. 446	1. 57E-13	M1	TRAPPC2L
MPEG1. 3	1. 07E-17	0. 184298	0. 077	0. 035	1. 61E-13	M1	MPEG1
COL4A5	1. 09E-17	-0. 12183	0. 001	0. 037	1. 63E-13	M1	COL4A5
PIR. 2	1. 09E-17	-0. 13392	0. 015	0. 065	1. 63E-13	M1	PIR
STAP2	1. 09E-17	-0. 11508	0. 005	0. 047	1. 64E-13	M1	STAP2
ABTB1. 4	1. 10E-17	0. 321558	0. 152	0. 094	1. 65E-13	M1	ABTB1
TECR. 2	1. 22E-17	-0. 18497	0. 406	0. 57	1. 82E-13	M1	TECR
DPCD. 2	1. 24E-17	-0. 11372	0. 09	0. 175	1. 85E-13	M1	DPCD
AC084219.	1. 26E-17	-0. 10972	0. 003	0. 042	1. 89E-13	M1	AC084219. 4
LOXL2. 1	1. 31E-17	-0. 10773	0. 001	0. 038	1. 96E-13	M1	LOXL2
SLC8A1. 3	1. 39E-17	0. 336378	0. 195	0. 135	2. 07E-13	M1	SLC8A1
CLIC2. 2	1. 39E-17	0. 187582	0. 079	0. 037	2. 08E-13	M1	CLIC2
LINC00237	1. 42E-17	-0. 10789	0. 002	0. 04	2. 12E-13	M1	LINC00237
CD44. 2	1. 44E-17	-0. 32454	0. 288	0. 402	2. 15E-13	M1	CD44
SHROOM1	1. 44E-17	-0. 10545	0. 019	0. 071	2. 15E-13	M1	SHROOM1
HOXA9	1. 50E-17	-0. 12976	0. 003	0. 041	2. 24E-13	M1	HOXA9
XRCC6BP1	1. 57E-17	-0. 14398	0. 032	0. 09	2. 35E-13	M1	XRCC6BP1
SRSF9. 3	1. 58E-17	-0. 16195	0. 431	0. 588	2. 36E-13	M1	SRSF9
RP11-455F	1. 68E-17	-0. 10786	0. 002	0. 04	2. 52E-13	M1	RP11-455F5. 3
PLP1. 3	1. 80E-17	-0. 49326	0. 104	0. 184	2. 70E-13	M1	PLP1
TAF1A	1. 94E-17	-0. 1167	0. 015	0. 064	2. 90E-13	M1	TAF1A
PSMB9. 3	1. 94E-17	0. 174756	0. 448	0. 397	2. 90E-13	M1	PSMB9
CDK18. 1	2. 06E-17	-0. 17417	0. 03	0. 087	3. 08E-13	M1	CDK18
MYT1. 2	2. 08E-17	-0. 13823	0. 005	0. 046	3. 12E-13	M1	MYT1
TSPAN15. 3	2. 27E-17	0. 240755	0. 122	0. 069	3. 40E-13	M1	TSPAN15
AIM2	2. 31E-17	0. 128113	0. 036	0. 011	3. 45E-13	M1	AIM2
FAM83D. 1	2. 43E-17	-0. 10163	0. 003	0. 042	3. 63E-13	M1	FAM83D
SERINC5. 1	2. 52E-17	-0. 10585	0. 022	0. 076	3. 77E-13	M1	SERINC5
PPARD. 4	2. 61E-17	0. 354547	0. 155	0. 099	3. 90E-13	M1	PPARD
PYURF. 1	2. 78E-17	-0. 14298	0. 397	0. 569	4. 16E-13	M1	PYURF
KCNMB2	2. 91E-17	-0. 12461	0. 002	0. 039	4. 35E-13	M1	KCNMB2
WFDC2	2. 92E-17	-0. 12159	0. 001	0. 036	4. 37E-13	M1	WFDC2
GSTP1. 3	2. 94E-17	-0. 21696	0. 731	0. 84	4. 39E-13	M1	GSTP1
FNTB. 2	3. 09E-17	-0. 10082	0. 036	0. 096	4. 61E-13	M1	FNTB
HSPA2. 1	3. 17E-17	-0. 35969	0. 068	0. 136	4. 73E-13	M1	HSPA2
KIF4A	3. 28E-17	-0. 10207	0. 003	0. 041	4. 91E-13	M1	KIF4A
ST6GAL2. 2	3. 31E-17	-0. 1053	0. 004	0. 044	4. 95E-13	M1	ST6GAL2
CLDN15. 2	3. 39E-17	-0. 10282	0. 02	0. 072	5. 07E-13	M1	CLDN15
KAT2B. 2	3. 44E-17	-0. 11191	0. 026	0. 081	5. 14E-13	M1	KAT2B
SLC44A3. 1	3. 60E-17	-0. 13341	0. 001	0. 036	5. 38E-13	M1	SLC44A3
FGD3. 3	3. 65E-17	0. 207575	0. 072	0. 033	5. 46E-13	M1	FGD3

SEPT2.1	3.76E-17	-0.17174	0.439	0.61	5.61E-13	M1	2-Sep
SLIRP.1	3.92E-17	-0.18904	0.489	0.648	5.86E-13	M1	SLIRP
CLTB.3	4.21E-17	-0.1217	0.307	0.468	6.29E-13	M1	CLTB
USF2.3	4.35E-17	0.317699	0.358	0.319	6.51E-13	M1	USF2
EMILIN3.1	4.40E-17	-0.11182	0.002	0.038	6.58E-13	M1	EMILIN3
HCFC1R1.1	4.77E-17	-0.12509	0.187	0.301	7.12E-13	M1	HCFC1R1
MVB12B.3	4.96E-17	-0.1122	0.046	0.111	7.41E-13	M1	MVB12B
HDAC11.1	5.08E-17	-0.13427	0.021	0.073	7.60E-13	M1	HDAC11
SMIM1	5.15E-17	0.162811	0.039	0.013	7.70E-13	M1	SMIM1
WBSCR22.3	5.32E-17	-0.12744	0.349	0.522	7.95E-13	M1	WBSCR22
RP3-369A1	5.39E-17	0.127066	0.03	0.008	8.06E-13	M1	RP3-369A17.4
APOLD1.1	5.55E-17	-0.10441	0.011	0.056	8.30E-13	M1	APOLD1
COX5B.4	5.57E-17	-0.17515	0.777	0.862	8.33E-13	M1	COX5B
ASXL3	6.00E-17	-0.10165	0.001	0.037	8.96E-13	M1	ASXL3
RPPH1.1	6.03E-17	0.21761	0.06	0.025	9.00E-13	M1	RPPH1
ANGPTL6	6.11E-17	0.130466	0.033	0.009	9.14E-13	M1	ANGPTL6
B3GALT2	6.22E-17	-0.12381	0.003	0.041	9.29E-13	M1	B3GALT2
TMEM116.1	6.33E-17	-0.10346	0.02	0.072	9.46E-13	M1	TMEM116
HLX.1	6.39E-17	0.259115	0.073	0.034	9.55E-13	M1	HLX
CLVS1	6.46E-17	-0.13059	0.001	0.037	9.66E-13	M1	CLVS1
CA10.1	6.63E-17	-0.14556	0.002	0.038	9.91E-13	M1	CA10
EIF3I.2	6.78E-17	-0.1805	0.447	0.633	1.01E-12	M1	EIF3I
ABCC4.2	6.80E-17	0.242561	0.079	0.038	1.02E-12	M1	ABCC4
PRKCSH.2	6.81E-17	-0.11498	0.299	0.457	1.02E-12	M1	PRKCSH
SLC40A1.3	7.57E-17	0.3867	0.186	0.129	1.13E-12	M1	SLC40A1
AURKAIP1	7.70E-17	-0.15473	0.467	0.634	1.15E-12	M1	AURKAIP1
FAM155A	7.94E-17	-0.1082	0	0.034	1.19E-12	M1	FAM155A
TRAPPC2P1	8.01E-17	-0.10598	0.14	0.241	1.20E-12	M1	TRAPPC2P1
MSRB2.3	8.30E-17	0.310843	0.3	0.246	1.24E-12	M1	MSRB2
HOXA-AS2	8.35E-17	-0.13466	0.005	0.044	1.25E-12	M1	HOXA-AS2
APOBEC3B	8.61E-17	-0.10549	0.003	0.04	1.29E-12	M1	APOBEC3B
PMFBP1	8.64E-17	0.140437	0.045	0.016	1.29E-12	M1	PMFBP1
C5orf63.1	8.75E-17	-0.11174	0.023	0.076	1.31E-12	M1	C5orf63
WNT5A.4	8.90E-17	0.198596	0.097	0.051	1.33E-12	M1	WNT5A
F11R.3	9.22E-17	0.231738	0.095	0.049	1.38E-12	M1	F11R
C10orf10	9.31E-17	-0.35606	0.041	0.101	1.39E-12	M1	C10orf10
DBI.4	9.41E-17	-0.26537	0.821	0.848	1.41E-12	M1	DBI
PEX5.2	9.42E-17	-0.10565	0.04	0.101	1.41E-12	M1	PEX5
TPMT.2	9.58E-17	0.342476	0.239	0.182	1.43E-12	M1	TPMT
KCNE3.3	9.71E-17	0.179259	0.053	0.021	1.45E-12	M1	KCNE3
EIF4G2.3	1.00E-16	-0.17106	0.544	0.682	1.50E-12	M1	EIF4G2
RPH3A.1	1.01E-16	-0.13099	0.002	0.038	1.51E-12	M1	RPH3A
AGAP2.2	1.03E-16	-0.13386	0.016	0.064	1.55E-12	M1	AGAP2
FIGNL1.1	1.04E-16	-0.10292	0.01	0.054	1.55E-12	M1	FIGNL1
ERICH1.3	1.05E-16	0.336313	0.316	0.264	1.56E-12	M1	ERICH1
CCNG2.3	1.05E-16	-0.10116	0.108	0.196	1.56E-12	M1	CCNG2
RIPK3.2	1.07E-16	0.148842	0.042	0.014	1.59E-12	M1	RIPK3
PLXNC1.4	1.12E-16	0.236843	0.106	0.058	1.67E-12	M1	PLXNC1
RP11-436K	1.13E-16	-0.10704	0.001	0.036	1.68E-12	M1	RP11-436K8.1
CAMTA1.2	1.17E-16	-0.12777	0.318	0.476	1.74E-12	M1	CAMTA1
RP11-676J	1.18E-16	-0.12796	0.002	0.037	1.76E-12	M1	RP11-676J15.1

HELLS. 1	1. 20E-16	-0. 1276	0. 021	0. 072	1. 79E-12 M1	HELLS
APLN. 1	1. 22E-16	-0. 14729	0. 002	0. 038	1. 82E-12 M1	APLN
HCN2	1. 22E-16	-0. 10899	0	0. 034	1. 83E-12 M1	HCN2
VAPA. 2	1. 24E-16	0. 167282	0. 614	0. 637	1. 86E-12 M1	VAPA
FPR2. 2	1. 25E-16	0. 148964	0. 042	0. 014	1. 87E-12 M1	FPR2
GAL	1. 27E-16	-0. 15301	0. 005	0. 043	1. 90E-12 M1	GAL
LAMP1. 3	1. 37E-16	0. 182373	0. 518	0. 522	2. 04E-12 M1	LAMP1
RPF2. 1	1. 47E-16	-0. 10409	0. 141	0. 244	2. 19E-12 M1	RPF2
ZNF502	1. 49E-16	-0. 10517	0. 008	0. 049	2. 23E-12 M1	ZNF502
PSMB8. 2	1. 50E-16	0. 215991	0. 442	0. 41	2. 24E-12 M1	PSMB8
EDIL3. 2	1. 51E-16	-0. 24525	0. 002	0. 038	2. 25E-12 M1	EDIL3
LHX1	1. 55E-16	-0. 13325	0. 001	0. 036	2. 31E-12 M1	LHX1
PAG1. 3	1. 56E-16	0. 341712	0. 219	0. 159	2. 33E-12 M1	PAG1
GALNT15. 1	1. 69E-16	-0. 18426	0. 006	0. 046	2. 52E-12 M1	GALNT15
TAPBP. 4	1. 70E-16	0. 302875	0. 371	0. 337	2. 54E-12 M1	TAPBP
CFL1. 3	1. 88E-16	-0. 13405	0. 96	0. 948	2. 82E-12 M1	CFL1
ZFAND5. 4	1. 95E-16	0. 271121	0. 464	0. 463	2. 92E-12 M1	ZFAND5
INSIG1. 4	1. 98E-16	0. 412449	0. 269	0. 218	2. 97E-12 M1	INSIG1
UBXN4. 2	2. 01E-16	-0. 13737	0. 397	0. 574	3. 00E-12 M1	UBXN4
PCP4. 2	2. 02E-16	-0. 20226	0. 006	0. 045	3. 02E-12 M1	PCP4
ABHD3. 3	2. 20E-16	0. 344927	0. 229	0. 173	3. 29E-12 M1	ABHD3
CTD-3074C	2. 26E-16	-0. 10003	0. 018	0. 067	3. 38E-12 M1	CTD-307407. 5
PDHB. 2	2. 36E-16	-0. 10265	0. 246	0. 386	3. 53E-12 M1	PDHB
HAPLN2. 2	2. 37E-16	-0. 17265	0. 003	0. 039	3. 55E-12 M1	HAPLN2
ADM. 3	2. 46E-16	-0. 26732	0. 115	0. 199	3. 68E-12 M1	ADM
MYO15B	2. 52E-16	0. 173933	0. 053	0. 021	3. 76E-12 M1	MYO15B
HSPA9. 2	2. 55E-16	-0. 15834	0. 354	0. 514	3. 81E-12 M1	HSPA9
UNC5B. 3	2. 59E-16	0. 253626	0. 127	0. 075	3. 87E-12 M1	UNC5B
PITX2	3. 09E-16	-0. 11072	0. 001	0. 034	4. 61E-12 M1	PITX2
TNFSF8. 1	3. 11E-16	0. 100223	0. 024	0. 006	4. 65E-12 M1	TNFSF8
MXD1. 3	3. 16E-16	0. 345608	0. 175	0. 119	4. 72E-12 M1	MXD1
ITPR1. 1	3. 24E-16	0. 195049	0. 065	0. 029	4. 84E-12 M1	ITPR1
AC002456. 3	3. 26E-16	-0. 1219	0. 009	0. 051	4. 87E-12 M1	AC002456. 2
SLC27A5. 2	3. 33E-16	-0. 10935	0. 073	0. 149	4. 98E-12 M1	SLC27A5
ARF6. 4	3. 34E-16	0. 303634	0. 371	0. 338	4. 98E-12 M1	ARF6
HSPA1B. 3	3. 63E-16	0. 25234	0. 46	0. 401	5. 42E-12 M1	HSPA1B
NDFIP1. 4	3. 83E-16	-0. 15315	0. 474	0. 627	5. 73E-12 M1	NDFIP1
ACSL5. 3	3. 97E-16	0. 186562	0. 064	0. 028	5. 93E-12 M1	ACSL5
TMC01. 3	4. 04E-16	-0. 15786	0. 422	0. 606	6. 04E-12 M1	TMC01
RAD51AP1. 4	4. 13E-16	-0. 12972	0. 024	0. 075	6. 16E-12 M1	RAD51AP1
NDUFA4L2. 4	4. 32E-16	-0. 16185	0. 007	0. 047	6. 46E-12 M1	NDUFA4L2
SRRM4. 1	4. 39E-16	-0. 13283	0. 002	0. 037	6. 57E-12 M1	SRRM4
STARD5. 1	4. 48E-16	0. 152674	0. 038	0. 013	6. 69E-12 M1	STARD5
EGR1. 2	5. 26E-16	0. 17454	0. 548	0. 485	7. 85E-12 M1	EGR1
CDC6	5. 26E-16	-0. 10106	0. 004	0. 04	7. 86E-12 M1	CDC6
TIMMDC1. 2	5. 28E-16	-0. 10335	0. 264	0. 412	7. 89E-12 M1	TIMMDC1
PRDX5. 3	5. 65E-16	-0. 22083	0. 627	0. 765	8. 44E-12 M1	PRDX5
PCSK1. 1	5. 85E-16	-0. 14281	0. 004	0. 04	8. 74E-12 M1	PCSK1
TMEM243. 2	6. 24E-16	0. 344816	0. 25	0. 192	9. 32E-12 M1	TMEM243
SOWAHD	6. 25E-16	0. 10798	0. 037	0. 012	9. 34E-12 M1	SOWAHD
PINLYP. 2	6. 32E-16	-0. 14806	0. 016	0. 061	9. 45E-12 M1	PINLYP

HOXC6	6.71E-16	-0.11156	0.001	0.034	1.00E-11	M1	HOXC6
PCL0	7.40E-16	-0.10603	0.004	0.039	1.11E-11	M1	PCL0
OAS2.1	7.49E-16	0.186995	0.071	0.033	1.12E-11	M1	OAS2
C5orf38	8.19E-16	-0.10932	0.003	0.037	1.22E-11	M1	C5orf38
NHSL2.2	8.31E-16	0.338026	0.087	0.044	1.24E-11	M1	NHSL2
XRCC5.3	8.35E-16	-0.13941	0.419	0.589	1.25E-11	M1	XRCC5
ADAMDEC1.	8.63E-16	0.213059	0.068	0.031	1.29E-11	M1	ADAMDEC1
IL21R	8.69E-16	0.113505	0.039	0.013	1.30E-11	M1	IL21R
C10orf35.	9.14E-16	-0.13636	0.018	0.065	1.37E-11	M1	C10orf35
CMYA5.1	9.16E-16	-0.10562	0.002	0.035	1.37E-11	M1	CMYA5
ADAMTS1	9.18E-16	-0.10185	0.002	0.036	1.37E-11	M1	ADAMTS1
GABARAPL2	9.49E-16	-0.18371	0.619	0.768	1.42E-11	M1	GABARAPL2
HOXA5.1	9.75E-16	-0.12316	0.02	0.068	1.46E-11	M1	HOXA5
CACNA2D1	9.91E-16	-0.1118	0.002	0.036	1.48E-11	M1	CACNA2D1
NEUROD1.1	1.04E-15	-0.11823	0.006	0.044	1.55E-11	M1	NEUROD1
METTL21B.	1.04E-15	-0.10326	0.023	0.073	1.56E-11	M1	METTL21B
AP2S1.3	1.05E-15	0.118777	0.644	0.664	1.57E-11	M1	AP2S1
ALDH3B1.2	1.08E-15	0.236252	0.112	0.063	1.61E-11	M1	ALDH3B1
LINC00599	1.12E-15	-0.13486	0.005	0.041	1.67E-11	M1	LINC00599
CLMN	1.18E-15	-0.11706	0.008	0.047	1.77E-11	M1	CLMN
MAML3.3	1.21E-15	0.209948	0.065	0.029	1.80E-11	M1	MAML3
MAG.2	1.21E-15	-0.38962	0.006	0.043	1.81E-11	M1	MAG
C12orf75.	1.24E-15	0.371082	0.236	0.184	1.85E-11	M1	C12orf75
LNP1	1.24E-15	-0.10265	0.002	0.036	1.86E-11	M1	LNP1
PIAS1.3	1.34E-15	0.340589	0.205	0.149	2.00E-11	M1	PIAS1
CARNS1.2	1.35E-15	-0.24986	0.001	0.034	2.02E-11	M1	CARNS1
CYC1.3	1.35E-15	-0.1526	0.403	0.567	2.02E-11	M1	CYC1
RP11-499E	1.42E-15	-0.10761	0.003	0.037	2.12E-11	M1	RP11-499E18.1
HOXB3	1.49E-15	-0.10721	0.004	0.039	2.23E-11	M1	HOXB3
NFKBIE.4	1.52E-15	0.346992	0.177	0.125	2.27E-11	M1	NFKBIE
RASL11B.3	1.55E-15	-0.18029	0.017	0.061	2.32E-11	M1	RASL11B
SCN2A	1.58E-15	-0.11507	0.002	0.035	2.37E-11	M1	SCN2A
ARHGEF10.	1.61E-15	-0.11021	0.026	0.078	2.41E-11	M1	ARHGEF10
APOBEC3G.	1.67E-15	0.311726	0.165	0.109	2.50E-11	M1	APOBEC3G
PRDX3.2	1.70E-15	0.225566	0.478	0.464	2.54E-11	M1	PRDX3
CNTN1	1.73E-15	-0.12763	0.007	0.045	2.58E-11	M1	CNTN1
AC109826.	1.75E-15	0.179623	0.068	0.031	2.62E-11	M1	AC109826.1
CYB5D1.1	1.76E-15	0.232162	0.088	0.046	2.63E-11	M1	CYB5D1
SNCB	1.79E-15	-0.10626	0.003	0.037	2.67E-11	M1	SNCB
VPS29.2	1.85E-15	0.177455	0.543	0.556	2.77E-11	M1	VPS29
TFAP2B	2.05E-15	-0.11759	0.002	0.034	3.07E-11	M1	TFAP2B
FAR2.2	2.07E-15	0.242055	0.091	0.048	3.10E-11	M1	FAR2
CWC15.3	2.10E-15	-0.12323	0.345	0.516	3.14E-11	M1	CWC15
TMEM196	2.16E-15	-0.10306	0.001	0.033	3.22E-11	M1	TMEM196
SLC16A10.	2.19E-15	0.289384	0.131	0.078	3.28E-11	M1	SLC16A10
C6orf141.	2.25E-15	-0.12043	0.002	0.035	3.36E-11	M1	C6orf141
C7orf61	2.39E-15	-0.12738	0.004	0.038	3.57E-11	M1	C7orf61
WNT3.1	2.68E-15	-0.10315	0.002	0.034	4.00E-11	M1	WNT3
CNFN	2.69E-15	0.187392	0.053	0.022	4.02E-11	M1	CNFN
RP11-350G	2.80E-15	0.104024	0.025	0.006	4.18E-11	M1	RP11-350G8.5
ASF1B.2	2.82E-15	-0.11843	0.021	0.068	4.22E-11	M1	ASF1B

SLC24A2.2	2.91E-15	-0.17198	0.003	0.037	4.35E-11	M1	SLC24A2
CREB3L2.3	2.94E-15	0.330639	0.169	0.115	4.40E-11	M1	CREB3L2
HSPBAP1.2	2.96E-15	0.279509	0.111	0.064	4.42E-11	M1	HSPBAP1
AC016700.3	3.44E-15	-0.11625	0.004	0.038	5.14E-11	M1	AC016700.5
SUCLG2.2	3.48E-15	0.350297	0.286	0.237	5.19E-11	M1	SUCLG2
TNS3.3	3.49E-15	0.257957	0.113	0.065	5.21E-11	M1	TNS3
FAM72A.1	3.56E-15	0.284186	0.072	0.035	5.32E-11	M1	FAM72A
LMAN1.2	3.73E-15	-0.10395	0.223	0.351	5.57E-11	M1	LMAN1
PPP1R1C.1	3.74E-15	-0.12725	0.001	0.032	5.59E-11	M1	PPP1R1C
MR1.2	3.89E-15	0.302359	0.13	0.08	5.82E-11	M1	MR1
STYXL1.2	3.91E-15	-0.11042	0.069	0.138	5.84E-11	M1	STYXL1
EMX2.1	4.04E-15	-0.1044	0.002	0.034	6.03E-11	M1	EMX2
MYOF.1	4.06E-15	0.211362	0.076	0.037	6.07E-11	M1	MYOF
PRDM8	4.17E-15	-0.11073	0.002	0.035	6.23E-11	M1	PRDM8
DENND6B.4	4.19E-15	0.349862	0.145	0.094	6.26E-11	M1	DENND6B
CDK1.3	4.25E-15	-0.18153	0.048	0.106	6.35E-11	M1	CDK1
ERMN.2	4.29E-15	-0.34733	0.007	0.044	6.42E-11	M1	ERMN
MIF4GD.4	4.49E-15	0.360577	0.29	0.244	6.71E-11	M1	MIF4GD
ADRBK1.4	4.50E-15	0.284593	0.134	0.084	6.73E-11	M1	ADRBK1
FCAR	4.66E-15	0.109518	0.021	0.005	6.97E-11	M1	FCAR
NMRK1.2	4.78E-15	0.356609	0.186	0.13	7.15E-11	M1	NMRK1
GNG11.1	5.05E-15	-0.15544	0.007	0.043	7.55E-11	M1	GNG11
MANF.3	5.24E-15	-0.13919	0.322	0.477	7.84E-11	M1	MANF
USP36.4	5.27E-15	0.340316	0.183	0.13	7.87E-11	M1	USP36
UBE2I.2	5.53E-15	-0.14398	0.433	0.606	8.26E-11	M1	UBE2I
FSCN1.4	5.67E-15	-0.1438	0.382	0.529	8.48E-11	M1	FSCN1
CTC-428H1	5.67E-15	0.168813	0.044	0.016	8.48E-11	M1	CTC-428H11.2
NDUFB10.1	5.83E-15	-0.16462	0.502	0.668	8.71E-11	M1	NDUFB10
IFI27	5.90E-15	0.246171	0.16	0.103	8.81E-11	M1	IFI27
GALNT13.1	6.25E-15	-0.12635	0.011	0.05	9.34E-11	M1	GALNT13
SSBP1.3	6.34E-15	-0.18444	0.493	0.668	9.47E-11	M1	SSBP1
AK2.3	6.43E-15	-0.15931	0.275	0.414	9.61E-11	M1	AK2
EFHD2.4	6.46E-15	0.276132	0.259	0.201	9.65E-11	M1	EFHD2
GSAP.3	6.60E-15	0.274804	0.119	0.071	9.86E-11	M1	GSAP
GLIPR2.3	6.62E-15	-0.10418	0.179	0.286	9.89E-11	M1	GLIPR2
SRCIN1.2	6.74E-15	-0.14185	0.003	0.036	1.01E-10	M1	SRCIN1
CHGA	7.32E-15	-0.11342	0.001	0.032	1.09E-10	M1	CHGA
C4orf47.1	7.55E-15	-0.10293	0.003	0.036	1.13E-10	M1	C4orf47
PTER	8.35E-15	0.118306	0.043	0.016	1.25E-10	M1	PTER
SDCCAG8.3	8.42E-15	0.348956	0.354	0.325	1.26E-10	M1	SDCCAG8
JAKMIP1	8.55E-15	-0.11275	0.004	0.037	1.28E-10	M1	JAKMIP1
USMG5.3	9.69E-15	0.116558	0.602	0.624	1.45E-10	M1	USMG5
C4orf48.3	9.93E-15	-0.17167	0.429	0.545	1.48E-10	M1	C4orf48
RP11-445F	9.99E-15	-0.13841	0.002	0.034	1.49E-10	M1	RP11-445F12.1
FAXDC2.1	1.08E-14	-0.10428	0.02	0.065	1.61E-10	M1	FAXDC2
RAB1A.1	1.11E-14	0.152599	0.593	0.625	1.65E-10	M1	RAB1A
DGCR5	1.12E-14	-0.10174	0.002	0.034	1.67E-10	M1	DGCR5
TNFAIP8L3	1.13E-14	0.158375	0.055	0.023	1.68E-10	M1	TNFAIP8L3
TEX14	1.15E-14	0.107007	0.029	0.008	1.72E-10	M1	TEX14
SSR1.3	1.17E-14	0.274163	0.463	0.469	1.74E-10	M1	SSR1
RPS19BP1	1.17E-14	-0.1068	0.355	0.517	1.75E-10	M1	RPS19BP1

EIF3G.1	1.19E-14	0.141475	0.604	0.623	1.78E-10	M1	EIF3G
FAM222A.1	1.21E-14	-0.10694	0.003	0.035	1.81E-10	M1	FAM222A
SCO2.4	1.24E-14	0.361239	0.251	0.203	1.86E-10	M1	SCO2
DDX39A.2	1.27E-14	-0.11332	0.279	0.415	1.90E-10	M1	DDX39A
RALYL	1.30E-14	-0.10777	0.003	0.036	1.94E-10	M1	RALYL
DGKB	1.36E-14	-0.10418	0.005	0.039	2.03E-10	M1	DGKB
ANXA2.3	1.39E-14	-0.30247	0.457	0.525	2.08E-10	M1	ANXA2
UQCRC1.1	1.40E-14	-0.13833	0.353	0.515	2.09E-10	M1	UQCRC1
ANGPTL4.1	1.40E-14	-0.27591	0.053	0.111	2.09E-10	M1	ANGPTL4
LILRB3.3	1.42E-14	0.213103	0.07	0.034	2.12E-10	M1	LILRB3
ZFPM2	1.44E-14	-0.12603	0.002	0.034	2.15E-10	M1	ZFPM2
IFRD1.3	1.45E-14	0.259578	0.487	0.487	2.16E-10	M1	IFRD1
CTA-29F11	1.54E-14	0.404699	0.242	0.192	2.30E-10	M1	CTA-29F11.1
CMTM3.4	1.62E-14	0.296806	0.348	0.319	2.43E-10	M1	CMTM3
MAN2B1.4	1.62E-14	0.239602	0.104	0.06	2.43E-10	M1	MAN2B1
GNB2.3	1.87E-14	-0.15155	0.439	0.595	2.80E-10	M1	GNB2
YPEL4	1.89E-14	-0.1128	0.009	0.047	2.83E-10	M1	YPEL4
ACO09501.1	1.91E-14	-0.21558	0.093	0.169	2.86E-10	M1	ACO09501.4
CAV2	1.97E-14	-0.10464	0.011	0.05	2.95E-10	M1	CAV2
PCSK2	2.08E-14	-0.1269	0.002	0.032	3.10E-10	M1	PCSK2
EMP3.3	2.23E-14	-0.20076	0.345	0.47	3.33E-10	M1	EMP3
CAMKMT.1	2.49E-14	-0.10318	0.033	0.083	3.72E-10	M1	CAMKMT
UBB.3	2.52E-14	-0.13444	0.924	0.908	3.77E-10	M1	UBB
RP11-713F	2.66E-14	-0.12001	0.002	0.033	3.97E-10	M1	RP11-713P17.3
CAMK1D.4	2.73E-14	0.298908	0.153	0.103	4.08E-10	M1	CAMK1D
PTCH2	2.79E-14	0.182806	0.054	0.023	4.17E-10	M1	PTCH2
RASGEF1C	2.81E-14	0.122963	0.032	0.01	4.20E-10	M1	RASGEF1C
HHIP.1	2.94E-14	-0.16381	0.001	0.031	4.40E-10	M1	HHIP
POLR2G.3	3.02E-14	-0.16824	0.424	0.596	4.52E-10	M1	POLR2G
LRRK1.1	3.25E-14	0.146581	0.035	0.012	4.85E-10	M1	LRRK1
HOXC-AS1	3.25E-14	-0.1019	0	0.029	4.86E-10	M1	HOXC-AS1
CLDN7	3.33E-14	0.144626	0.04	0.015	4.98E-10	M1	CLDN7
USP15.4	3.41E-14	0.350572	0.284	0.234	5.09E-10	M1	USP15
CEACAM4.3	3.46E-14	0.1609	0.047	0.019	5.17E-10	M1	CEACAM4
UQCRCFS1.2	3.50E-14	-0.13623	0.407	0.572	5.23E-10	M1	UQCRCFS1
IKBIP.3	3.69E-14	0.361217	0.265	0.219	5.51E-10	M1	IKBIP
MTRNR2L1.4	4.02E-14	0.252331	0.248	0.181	6.00E-10	M1	MTRNR2L1
CCL5.2	4.29E-14	0.1172	0.091	0.048	6.41E-10	M1	CCL5
SLC39A8.3	4.36E-14	-0.11335	0.021	0.066	6.52E-10	M1	SLC39A8
NEK6.2	4.52E-14	-0.15357	0.204	0.307	6.76E-10	M1	NEK6
KBTBD11	4.69E-14	-0.10239	0.002	0.032	7.00E-10	M1	KBTBD11
APOL4.1	4.76E-14	-0.13378	0.011	0.049	7.12E-10	M1	APOL4
LINC00882	5.01E-14	-0.12642	0.004	0.035	7.48E-10	M1	LINC00882
SRSF11.1	5.04E-14	-0.10372	0.396	0.568	7.53E-10	M1	SRSF11
NDUFC1.3	5.04E-14	-0.17852	0.419	0.579	7.54E-10	M1	NDUFC1
NPPA.2	5.06E-14	-0.14669	0.003	0.033	7.56E-10	M1	NPPA
THSD4	5.09E-14	-0.11465	0.001	0.03	7.61E-10	M1	THSD4
ARGLU1.3	5.13E-14	-0.10183	0.347	0.493	7.67E-10	M1	ARGLU1
FOLR1.1	5.32E-14	-0.17259	0.006	0.04	7.95E-10	M1	FOLR1
GLIPR1L2.5	5.36E-14	-0.11518	0.008	0.044	8.00E-10	M1	GLIPR1L2
EIF1B.3	5.43E-14	-0.12179	0.444	0.617	8.12E-10	M1	EIF1B



PREX1.4	6.10E-14	0.342302	0.258	0.21	9.12E-10	M1	PREX1
EPHX2.1	6.15E-14	-0.10339	0.009	0.045	9.18E-10	M1	EPHX2
QPRT.1	6.18E-14	0.256751	0.159	0.106	9.24E-10	M1	QPRT
STEAP1.1	6.55E-14	-0.13662	0.002	0.031	9.80E-10	M1	STEAP1
RABAC1.2	7.00E-14	-0.17609	0.527	0.692	1.05E-09	M1	RABAC1
QARS.4	7.26E-14	0.327761	0.314	0.276	1.08E-09	M1	QARS
RP11-693J	7.38E-14	0.155006	0.043	0.017	1.10E-09	M1	RP11-693J15.5
PSMB6.1	7.52E-14	-0.17472	0.567	0.722	1.12E-09	M1	PSMB6
CDH13.1	7.74E-14	-0.15006	0.018	0.06	1.16E-09	M1	CDH13
CCDC151.2	8.07E-14	0.187614	0.099	0.056	1.21E-09	M1	CCDC151
SPOCK3.2	8.75E-14	-0.23835	0.006	0.038	1.31E-09	M1	SPOCK3
MIF.2	8.97E-14	-0.16637	0.562	0.692	1.34E-09	M1	MIF
IMPDH2.4	9.15E-14	-0.13918	0.301	0.44	1.37E-09	M1	IMPDH2
SLC12A9.4	9.21E-14	0.357104	0.239	0.194	1.38E-09	M1	SLC12A9
PPP1R15B.	9.49E-14	0.336679	0.158	0.109	1.42E-09	M1	PPP1R15B
CYB5R2	1.01E-13	-0.1377	0.004	0.036	1.51E-09	M1	CYB5R2
TAGLN.1	1.04E-13	-0.34936	0.031	0.078	1.55E-09	M1	TAGLN
CENPE.3	1.07E-13	-0.13766	0.02	0.062	1.60E-09	M1	CENPE
CPB2-AS1	1.12E-13	-0.1009	0.003	0.033	1.67E-09	M1	CPB2-AS1
KLK6.2	1.18E-13	-0.29014	0.005	0.036	1.76E-09	M1	KLK6
ITGB1.3	1.25E-13	0.192789	0.412	0.38	1.87E-09	M1	ITGB1
CFI.2	1.26E-13	-0.10264	0.023	0.068	1.88E-09	M1	CFI
PLEKHG3.1	1.32E-13	-0.10941	0.003	0.034	1.97E-09	M1	PLEKHG3
RREB1.4	1.35E-13	0.281515	0.107	0.064	2.02E-09	M1	RREB1
CITED4	1.46E-13	0.161412	0.047	0.019	2.18E-09	M1	CITED4
SAA2.2	1.66E-13	-0.60038	0.018	0.059	2.48E-09	M1	SAA2
ARSA.3	1.68E-13	0.28688	0.177	0.126	2.51E-09	M1	ARSA
KB-1980E6	1.69E-13	-0.10378	0.002	0.03	2.53E-09	M1	KB-1980E6.3
DES	1.71E-13	-0.10256	0.001	0.028	2.55E-09	M1	DES
GBP1.1	1.86E-13	-0.27654	0.097	0.165	2.78E-09	M1	GBP1
ADRBK2.4	1.98E-13	0.222828	0.085	0.046	2.95E-09	M1	ADRBK2
C6orf15.2	2.07E-13	-0.18263	0.003	0.033	3.09E-09	M1	C6orf15
AC068535.	2.23E-13	-0.11663	0	0.027	3.33E-09	M1	AC068535.2
CIDEB.2	2.26E-13	0.123058	0.048	0.02	3.38E-09	M1	CIDEB
COCH.1	2.30E-13	-0.11381	0.008	0.042	3.44E-09	M1	COCH
RAMP3.1	2.35E-13	-0.13058	0.002	0.031	3.51E-09	M1	RAMP3
PI3.2	2.36E-13	-0.3722	0.019	0.059	3.53E-09	M1	PI3
APOL2.2	2.47E-13	-0.21692	0.052	0.109	3.70E-09	M1	APOL2
KIRREL3	2.70E-13	-0.10151	0.003	0.032	4.04E-09	M1	KIRREL3
HNRNPF.3	2.87E-13	0.175907	0.496	0.511	4.29E-09	M1	HNRNPF
AC114730.	3.01E-13	-0.12933	0.004	0.034	4.50E-09	M1	AC114730.3
ARID5B.3	3.03E-13	0.285395	0.378	0.351	4.54E-09	M1	ARID5B
DIO2	3.15E-13	-0.13235	0.008	0.041	4.70E-09	M1	DIO2
DIAPH2.1	3.15E-13	0.235884	0.1	0.058	4.71E-09	M1	DIAPH2
KCNE1.2	3.42E-13	0.144868	0.045	0.018	5.11E-09	M1	KCNE1
PIK3R6	3.59E-13	0.110418	0.029	0.009	5.36E-09	M1	PIK3R6
APH1B.2	3.93E-13	0.354522	0.168	0.119	5.87E-09	M1	APH1B
DCXR.1	4.41E-13	-0.10658	0.331	0.477	6.58E-09	M1	DCXR
SPCS3.4	4.74E-13	0.296888	0.352	0.32	7.08E-09	M1	SPCS3
TPCN1.3	4.94E-13	0.261218	0.128	0.082	7.38E-09	M1	TPCN1
ABCB4	4.97E-13	0.109587	0.025	0.007	7.43E-09	M1	ABCB4

VMP1. 2	5. 05E-13	0. 207933	0. 475	0. 471	7. 55E-09	M1	VMP1
AMPD3. 2	5. 52E-13	0. 187073	0. 084	0. 046	8. 24E-09	M1	AMPD3
TMCC2	5. 54E-13	-0. 10486	0. 004	0. 033	8. 27E-09	M1	TMCC2
XAF1. 1	5. 62E-13	0. 259495	0. 15	0. 1	8. 40E-09	M1	XAF1
RAB3IL1. 2	5. 69E-13	0. 186641	0. 059	0. 028	8. 51E-09	M1	RAB3IL1
C16orf54.	5. 70E-13	0. 102193	0. 035	0. 012	8. 51E-09	M1	C16orf54
ATP8A1. 2	5. 90E-13	-0. 11741	0. 013	0. 049	8. 81E-09	M1	ATP8A1
ASS1. 1	5. 98E-13	-0. 14114	0. 004	0. 033	8. 94E-09	M1	ASS1
RP11-109G	5. 99E-13	0. 159708	0. 037	0. 014	8. 95E-09	M1	RP11-109G23. 3
GTF2A2. 1	6. 01E-13	-0. 13315	0. 364	0. 526	8. 98E-09	M1	GTF2A2
SNRPD2. 3	6. 03E-13	-0. 19657	0. 632	0. 771	9. 01E-09	M1	SNRPD2
PON2. 4	7. 36E-13	-0. 19456	0. 35	0. 47	1. 10E-08	M1	PON2
TMEM50A. 3	8. 82E-13	0. 131338	0. 571	0. 596	1. 32E-08	M1	TMEM50A
ACAP1. 3	9. 17E-13	-0. 11416	0. 039	0. 088	1. 37E-08	M1	ACAP1
AP1S2. 4	9. 25E-13	-0. 12877	0. 399	0. 52	1. 38E-08	M1	AP1S2
ZNRF2	9. 68E-13	0. 142875	0. 053	0. 024	1. 45E-08	M1	ZNRF2
AK5. 1	9. 78E-13	-0. 13494	0. 002	0. 03	1. 46E-08	M1	AK5
THBS1. 3	1. 01E-12	0. 244041	0. 119	0. 073	1. 51E-08	M1	THBS1
IRF1. 3	1. 02E-12	-0. 11853	0. 138	0. 22	1. 53E-08	M1	IRF1
STC1	1. 03E-12	-0. 11297	0. 002	0. 03	1. 54E-08	M1	STC1
TKT. 2	1. 09E-12	0. 196251	0. 502	0. 51	1. 62E-08	M1	TKT
PSMC1. 2	1. 15E-12	-0. 11006	0. 272	0. 407	1. 72E-08	M1	PSMC1
ZDHHC19	1. 28E-12	0. 125766	0. 02	0. 005	1. 91E-08	M1	ZDHHC19
REEP5. 3	1. 34E-12	0. 148819	0. 564	0. 589	2. 00E-08	M1	REEP5
GJB1. 2	1. 40E-12	-0. 19569	0. 002	0. 029	2. 10E-08	M1	GJB1
NCL. 2	1. 43E-12	-0. 14102	0. 428	0. 58	2. 14E-08	M1	NCL
TNFRSF11A	1. 49E-12	0. 120107	0. 047	0. 02	2. 22E-08	M1	TNFRSF11A
DUSP22. 4	1. 67E-12	0. 302237	0. 15	0. 104	2. 49E-08	M1	DUSP22
SPINT1. 3	1. 74E-12	0. 150663	0. 059	0. 028	2. 59E-08	M1	SPINT1
SOX10. 1	1. 75E-12	-0. 1554	0. 005	0. 034	2. 61E-08	M1	SOX10
CP. 1	1. 93E-12	-0. 13379	0. 004	0. 033	2. 89E-08	M1	CP
RP3-402G1	2. 02E-12	0. 12086	0. 019	0. 005	3. 02E-08	M1	RP3-402G11. 25
FA2H. 2	2. 08E-12	-0. 14609	0. 004	0. 032	3. 11E-08	M1	FA2H
NKX6-2. 2	2. 18E-12	-0. 19175	0. 002	0. 029	3. 26E-08	M1	NKX6-2
HTATIP2. 4	2. 32E-12	0. 29993	0. 187	0. 138	3. 46E-08	M1	HTATIP2
PTGES3. 1	2. 41E-12	-0. 16594	0. 594	0. 744	3. 60E-08	M1	PTGES3
QPCT. 4	2. 52E-12	0. 249624	0. 076	0. 041	3. 77E-08	M1	QPCT
ZC3HAV1. 3	2. 63E-12	0. 36312	0. 212	0. 169	3. 93E-08	M1	ZC3HAV1
SIGLEC5	2. 66E-12	0. 139133	0. 032	0. 011	3. 97E-08	M1	SIGLEC5
XXbac-B13	2. 77E-12	0. 121682	0. 039	0. 015	4. 14E-08	M1	XXbac-B135H6. 15
SEC14L1. 3	2. 79E-12	0. 345844	0. 316	0. 287	4. 16E-08	M1	SEC14L1
ENO1. 2	2. 81E-12	-0. 2252	0. 742	0. 805	4. 19E-08	M1	ENO1
ATP1A1. 2	2. 86E-12	0. 178356	0. 474	0. 473	4. 27E-08	M1	ATP1A1
PRKCB. 3	2. 89E-12	0. 12627	0. 071	0. 036	4. 32E-08	M1	PRKCB
SP140. 3	3. 02E-12	0. 120531	0. 056	0. 026	4. 52E-08	M1	SP140
AHR. 4	3. 34E-12	0. 233983	0. 095	0. 056	4. 99E-08	M1	AHR
MT1A. 3	3. 35E-12	-0. 18357	0. 005	0. 034	5. 01E-08	M1	MT1A
COPZ1. 1	3. 51E-12	-0. 11308	0. 355	0. 512	5. 25E-08	M1	COPZ1
MYRF. 2	3. 53E-12	-0. 17858	0. 006	0. 036	5. 28E-08	M1	MYRF
CNDP1. 2	4. 13E-12	-0. 25235	0. 008	0. 039	6. 17E-08	M1	CNDP1
PLXDC1	4. 19E-12	0. 157361	0. 046	0. 02	6. 26E-08	M1	PLXDC1

GUSB. 3	4. 21E-12	0. 270795	0. 307	0. 265	6. 28E-08 M1	GUSB
BMF. 1	4. 57E-12	0. 144655	0. 041	0. 017	6. 83E-08 M1	BMF
RP11-586D	5. 12E-12	0. 109095	0. 02	0. 005	7. 64E-08 M1	RP11-586D19. 1
MYBPC1. 1	5. 84E-12	-0. 1411	0. 015	0. 05	8. 73E-08 M1	MYBPC1
LY75. 1	5. 97E-12	0. 106797	0. 035	0. 013	8. 92E-08 M1	LY75
OCIAD1. 2	6. 34E-12	-0. 11619	0. 499	0. 664	9. 47E-08 M1	OCIAD1
PGM2. 2	6. 67E-12	0. 306723	0. 187	0. 141	9. 97E-08 M1	PGM2
MARCH2. 4	6. 89E-12	0. 335021	0. 262	0. 227	1. 03E-07 M1	2-Mar
EDEM1. 3	7. 04E-12	0. 25126	0. 114	0. 072	1. 05E-07 M1	EDEM1
MYL6. 4	7. 09E-12	-0. 16993	0. 941	0. 942	1. 06E-07 M1	MYL6
MAP4K1. 3	7. 26E-12	0. 157806	0. 053	0. 025	1. 08E-07 M1	MAP4K1
H3F3A. 1	7. 63E-12	-0. 14516	0. 738	0. 749	1. 14E-07 M1	H3F3A
CRIP1. 2	7. 63E-12	-0. 18182	0. 012	0. 045	1. 14E-07 M1	CRIP1
LAMP2. 3	7. 99E-12	0. 178752	0. 48	0. 469	1. 19E-07 M1	LAMP2
PARP14. 3	8. 25E-12	0. 352045	0. 193	0. 149	1. 23E-07 M1	PARP14
VPS37B. 3	9. 22E-12	0. 387754	0. 28	0. 249	1. 38E-07 M1	VPS37B
PDCD1LG2	9. 66E-12	0. 15284	0. 047	0. 021	1. 44E-07 M1	PDCD1LG2
NDUFB3. 3	9. 84E-12	-0. 14875	0. 419	0. 58	1. 47E-07 M1	NDUFB3
RP4-613B2	9. 92E-12	-0. 10701	0. 009	0. 039	1. 48E-07 M1	RP4-613B23. 1
UNC13D. 3	1. 07E-11	0. 179205	0. 077	0. 043	1. 60E-07 M1	UNC13D
RP5-899E9	1. 12E-11	0. 158052	0. 03	0. 01	1. 68E-07 M1	RP5-899E9. 1
P2RY6. 3	1. 25E-11	0. 126625	0. 058	0. 028	1. 87E-07 M1	P2RY6
GRM3. 1	1. 28E-11	-0. 12896	0. 002	0. 026	1. 92E-07 M1	GRM3
KCNK1	1. 28E-11	-0. 11155	0	0. 023	1. 92E-07 M1	KCNK1
NUMB. 4	1. 29E-11	0. 334076	0. 208	0. 163	1. 93E-07 M1	NUMB
PTPRO. 3	1. 46E-11	0. 203714	0. 113	0. 071	2. 19E-07 M1	PTPRO
ABCC3. 1	1. 54E-11	-0. 10044	0. 056	0. 108	2. 30E-07 M1	ABCC3
HHATL	1. 59E-11	-0. 13357	0	0. 023	2. 37E-07 M1	HHATL
UQCC2. 1	1. 70E-11	-0. 10608	0. 315	0. 449	2. 54E-07 M1	UQCC2
ARPC4. 4	1. 76E-11	0. 159416	0. 498	0. 517	2. 63E-07 M1	ARPC4
CDC42SE1.	1. 83E-11	0. 291405	0. 329	0. 299	2. 74E-07 M1	CDC42SE1
BEX5. 2	1. 84E-11	-0. 16356	0. 055	0. 105	2. 75E-07 M1	BEX5
MOG. 2	1. 92E-11	-0. 22968	0. 007	0. 036	2. 87E-07 M1	MOG
C20orf27.	1. 92E-11	0. 277909	0. 374	0. 357	2. 87E-07 M1	C20orf27
ECH1. 2	1. 99E-11	-0. 12952	0. 421	0. 586	2. 98E-07 M1	ECH1
PRRG1	2. 03E-11	-0. 10663	0. 004	0. 031	3. 03E-07 M1	PRRG1
RGPD5. 1	2. 04E-11	0. 132315	0. 039	0. 016	3. 05E-07 M1	RGPD5
RAD23A. 2	2. 06E-11	-0. 11106	0. 444	0. 591	3. 08E-07 M1	RAD23A
PEX5L. 1	2. 12E-11	-0. 13284	0. 002	0. 027	3. 17E-07 M1	PEX5L
FLOT1. 4	2. 19E-11	0. 188625	0. 493	0. 505	3. 27E-07 M1	FLOT1
TMEM220. 3	2. 25E-11	0. 248962	0. 101	0. 063	3. 36E-07 M1	TMEM220
FAM72B	2. 25E-11	0. 140215	0. 041	0. 017	3. 36E-07 M1	FAM72B
COLGALT1.	2. 30E-11	0. 318654	0. 226	0. 185	3. 44E-07 M1	COLGALT1
RNF213. 4	2. 33E-11	0. 322925	0. 289	0. 256	3. 48E-07 M1	RNF213
ADAM17. 3	2. 34E-11	0. 382076	0. 279	0. 25	3. 49E-07 M1	ADAM17
MBNL1. 4	2. 53E-11	0. 332445	0. 256	0. 217	3. 78E-07 M1	MBNL1
CTGF. 1	2. 54E-11	-0. 14884	0. 006	0. 034	3. 80E-07 M1	CTGF
COX6A1. 4	2. 60E-11	-0. 14109	0. 783	0. 857	3. 88E-07 M1	COX6A1
HLA-G	2. 62E-11	0. 249251	0. 081	0. 046	3. 91E-07 M1	HLA-G
CUTA. 4	2. 62E-11	-0. 13154	0. 553	0. 708	3. 91E-07 M1	CUTA
AGPAT2. 4	2. 80E-11	0. 316842	0. 214	0. 172	4. 18E-07 M1	AGPAT2

HES1. 3	2. 82E-11	0. 267769	0. 235	0. 189	4. 22E-07	M1	HES1
AATK. 2	2. 90E-11	-0. 17642	0. 009	0. 038	4. 33E-07	M1	AATK
HOTAIRM1.	2. 99E-11	-0. 10091	0. 124	0. 194	4. 47E-07	M1	HOTAIRM1
AUP1. 2	3. 08E-11	0. 193336	0. 499	0. 527	4. 61E-07	M1	AUP1
GGA1. 4	3. 10E-11	0. 387861	0. 309	0. 285	4. 63E-07	M1	GGA1
GSN-AS1	3. 11E-11	0. 115833	0. 021	0. 006	4. 65E-07	M1	GSN-AS1
SULT1A1. 2	3. 13E-11	0. 161253	0. 078	0. 044	4. 68E-07	M1	SULT1A1
CTD-2090I	3. 17E-11	0. 25847	0. 083	0. 047	4. 74E-07	M1	CTD-2090I13. 1
ITSN2. 4	3. 20E-11	0. 31224	0. 217	0. 174	4. 78E-07	M1	ITSN2
TMEM125. 1	3. 45E-11	-0. 15908	0. 002	0. 026	5. 16E-07	M1	TMEM125
GPR82. 3	3. 51E-11	0. 243166	0. 174	0. 127	5. 25E-07	M1	GPR82
IRF7. 4	3. 75E-11	0. 307631	0. 197	0. 154	5. 60E-07	M1	IRF7
NHLH1. 1	3. 81E-11	-0. 12224	0. 004	0. 029	5. 69E-07	M1	NHLH1
ADIPOR1. 4	4. 17E-11	0. 312586	0. 381	0. 379	6. 23E-07	M1	ADIPOR1
LTA4H. 3	4. 85E-11	0. 29513	0. 264	0. 222	7. 25E-07	M1	LTA4H
NCOA4. 4	5. 11E-11	0. 323319	0. 29	0. 257	7. 63E-07	M1	NCOA4
HK3. 2	5. 48E-11	0. 100211	0. 046	0. 021	8. 19E-07	M1	HK3
TNS1	5. 54E-11	-0. 10166	0. 02	0. 055	8. 28E-07	M1	TNS1
NDUFB4. 2	5. 55E-11	-0. 16513	0. 554	0. 705	8. 29E-07	M1	NDUFB4
SLC25A45.	5. 90E-11	0. 190652	0. 073	0. 04	8. 82E-07	M1	SLC25A45
SLC39A1. 1	6. 27E-11	0. 259043	0. 39	0. 386	9. 37E-07	M1	SLC39A1
KIAA1683	6. 51E-11	0. 133977	0. 036	0. 015	9. 73E-07	M1	KIAA1683
B3GALT4. 1	6. 69E-11	0. 180067	0. 069	0. 038	1. 00E-06	M1	B3GALT4
TPI1. 3	7. 00E-11	-0. 19472	0. 835	0. 872	1. 05E-06	M1	TPI1
SYNGR1. 3	7. 44E-11	0. 34964	0. 146	0. 105	1. 11E-06	M1	SYNGR1
RP11-1398	7. 85E-11	0. 100993	0. 033	0. 013	1. 17E-06	M1	RP11-1398P2. 1
MRO	8. 01E-11	0. 141285	0. 039	0. 017	1. 20E-06	M1	MRO
PKM. 3	8. 26E-11	-0. 24158	0. 725	0. 779	1. 23E-06	M1	PKM
PHF11. 3	8. 75E-11	0. 282079	0. 178	0. 134	1. 31E-06	M1	PHF11
TMEM51. 3	8. 80E-11	0. 259759	0. 154	0. 112	1. 32E-06	M1	TMEM51
CTSA. 4	8. 91E-11	0. 206609	0. 408	0. 397	1. 33E-06	M1	CTSA
ADRM1. 1	9. 66E-11	-0. 10459	0. 382	0. 535	1. 44E-06	M1	ADRM1
C1QTNF3. 1	1. 12E-10	-0. 10481	0. 013	0. 044	1. 68E-06	M1	C1QTNF3
LRRK2. 3	1. 15E-10	0. 200799	0. 09	0. 054	1. 72E-06	M1	LRRK2
TSPAN33. 3	1. 30E-10	0. 177523	0. 068	0. 037	1. 94E-06	M1	TSPAN33
ABHD14B. 3	1. 53E-10	0. 326004	0. 213	0. 172	2. 28E-06	M1	ABHD14B
CTD-2020K	1. 65E-10	0. 181395	0. 044	0. 02	2. 47E-06	M1	CTD-2020K17. 1
RAB11FIP1	1. 66E-10	0. 125738	0. 048	0. 023	2. 49E-06	M1	RAB11FIP1
SUMO1	1. 71E-10	-0. 10837	0. 526	0. 683	2. 56E-06	M1	SUMO1
JUND. 3	1. 72E-10	0. 263228	0. 403	0. 398	2. 57E-06	M1	JUND
RTN4. 4	1. 74E-10	-0. 11484	0. 651	0. 71	2. 60E-06	M1	RTN4
LAMTOR2. 2	1. 75E-10	0. 109286	0. 56	0. 592	2. 61E-06	M1	LAMTOR2
ST18. 2	1. 76E-10	-0. 11934	0. 014	0. 044	2. 62E-06	M1	ST18
HSD3B7. 2	1. 77E-10	0. 195474	0. 107	0. 069	2. 65E-06	M1	HSD3B7
SLC19A2	1. 82E-10	0. 198018	0. 069	0. 038	2. 72E-06	M1	SLC19A2
LTB4R. 3	1. 83E-10	0. 15077	0. 057	0. 029	2. 73E-06	M1	LTB4R
LGI3. 2	2. 01E-10	-0. 13331	0. 002	0. 024	3. 00E-06	M1	LGI3
RP11-443E	2. 03E-10	0. 125623	0. 027	0. 01	3. 04E-06	M1	RP11-443B7. 1
ANPEP. 3	2. 05E-10	-0. 1037	0. 009	0. 036	3. 07E-06	M1	ANPEP
MT1G. 3	2. 09E-10	-0. 35464	0. 084	0. 137	3. 12E-06	M1	MT1G
C6orf62. 3	2. 14E-10	0. 211235	0. 437	0. 455	3. 20E-06	M1	C6orf62

ENPP4. 2	2. 65E-10	0. 17442	0. 083	0. 048	3. 96E-06	M1	ENPP4
SPNS2	2. 74E-10	0. 133552	0. 053	0. 026	4. 10E-06	M1	SPNS2
PROCR. 3	2. 77E-10	0. 229115	0. 1	0. 063	4. 14E-06	M1	PROCR
FUCA2. 4	2. 80E-10	0. 316322	0. 27	0. 237	4. 19E-06	M1	FUCA2
PSMA7. 3	3. 08E-10	-0. 14101	0. 732	0. 815	4. 61E-06	M1	PSMA7
CLDN11. 2	3. 14E-10	-0. 31683	0. 019	0. 051	4. 69E-06	M1	CLDN11
SLC38A10. 3	3. 37E-10	0. 309245	0. 229	0. 193	5. 03E-06	M1	SLC38A10
SLFN11. 1	3. 45E-10	0. 143856	0. 068	0. 038	5. 16E-06	M1	SLFN11
SH3D21. 1	3. 73E-10	0. 128344	0. 043	0. 02	5. 57E-06	M1	SH3D21
DENND2D. 1	3. 85E-10	0. 175175	0. 071	0. 04	5. 75E-06	M1	DENND2D
RP11-22N1	3. 99E-10	0. 205366	0. 056	0. 029	5. 96E-06	M1	RP11-22N19. 2
PLEKHH1. 2	4. 03E-10	-0. 1017	0. 009	0. 037	6. 02E-06	M1	PLEKHH1
CTNNB1. 4	4. 13E-10	0. 286953	0. 366	0. 353	6. 18E-06	M1	CTNNB1
ATF6. 3	4. 45E-10	0. 378412	0. 271	0. 244	6. 66E-06	M1	ATF6
H2AFY. 4	4. 73E-10	0. 126432	0. 582	0. 612	7. 06E-06	M1	H2AFY
GLB1. 1	5. 13E-10	0. 303261	0. 272	0. 239	7. 67E-06	M1	GLB1
FOLH1. 1	5. 15E-10	-0. 11029	0. 001	0. 021	7. 69E-06	M1	FOLH1
BNIP3L. 2	5. 37E-10	-0. 10848	0. 466	0. 626	8. 02E-06	M1	BNIP3L
CYTH1. 4	5. 58E-10	0. 260554	0. 195	0. 151	8. 34E-06	M1	CYTH1
SP140L. 1	5. 85E-10	0. 247749	0. 109	0. 072	8. 74E-06	M1	SP140L
RUNX3. 3	6. 09E-10	0. 125269	0. 063	0. 034	9. 10E-06	M1	RUNX3
TSLP. 2	6. 41E-10	-0. 12895	0. 002	0. 023	9. 58E-06	M1	TSLP
TRA2B. 2	6. 75E-10	0. 199389	0. 512	0. 545	1. 01E-05	M1	TRA2B
PPM1M. 4	6. 88E-10	0. 191324	0. 105	0. 069	1. 03E-05	M1	PPM1M
NAT1	6. 93E-10	0. 100338	0. 04	0. 018	1. 04E-05	M1	NAT1
LTF. 2	8. 53E-10	-0. 66558	0. 11	0. 159	1. 28E-05	M1	LTF
ATF5. 3	8. 62E-10	0. 28617	0. 228	0. 187	1. 29E-05	M1	ATF5
PTPRJ. 1	8. 80E-10	0. 170379	0. 05	0. 025	1. 31E-05	M1	PTPRJ
CCDC88B. 1	8. 91E-10	0. 230541	0. 113	0. 075	1. 33E-05	M1	CCDC88B
C14orf2. 2	9. 11E-10	-0. 17472	0. 539	0. 678	1. 36E-05	M1	C14orf2
PARVB. 4	1. 02E-09	0. 269587	0. 198	0. 157	1. 53E-05	M1	PARVB
ITPR2. 3	1. 03E-09	0. 327591	0. 163	0. 125	1. 53E-05	M1	ITPR2
RP11-472N	1. 15E-09	0. 355517	0. 138	0. 101	1. 72E-05	M1	RP11-472N13. 3
C5AR2	1. 16E-09	0. 121127	0. 032	0. 013	1. 73E-05	M1	C5AR2
H3F3C	1. 26E-09	0. 249221	0. 08	0. 048	1. 88E-05	M1	H3F3C
YME1L1. 2	1. 33E-09	0. 371738	0. 278	0. 257	1. 99E-05	M1	YME1L1
DISP1	1. 33E-09	0. 182576	0. 058	0. 031	1. 99E-05	M1	DISP1
LINC0032C	1. 36E-09	-0. 15597	0. 004	0. 026	2. 03E-05	M1	LINC00320
CTA-384D8	1. 57E-09	0. 146985	0. 042	0. 02	2. 35E-05	M1	CTA-384D8. 34
PRKCG. 2	1. 60E-09	-0. 15272	0. 003	0. 023	2. 39E-05	M1	PRKCG
SLC01A2	1. 70E-09	-0. 10339	0. 001	0. 02	2. 55E-05	M1	SLC01A2
BCAS1. 1	1. 72E-09	-0. 1199	0. 017	0. 048	2. 56E-05	M1	BCAS1
MYO1G. 4	1. 82E-09	0. 145278	0. 09	0. 055	2. 72E-05	M1	MYO1G
PDCD4-AS1	1. 85E-09	0. 120556	0. 042	0. 02	2. 76E-05	M1	PDCD4-AS1
GALM. 3	1. 86E-09	0. 229189	0. 16	0. 118	2. 79E-05	M1	GALM
NMI. 3	2. 02E-09	0. 23577	0. 217	0. 175	3. 02E-05	M1	NMI
CTBS. 2	2. 05E-09	0. 306135	0. 188	0. 15	3. 07E-05	M1	CTBS
ARID3A. 2	2. 16E-09	0. 279497	0. 147	0. 108	3. 23E-05	M1	ARID3A
RILP. 4	2. 46E-09	0. 25037	0. 134	0. 097	3. 68E-05	M1	RILP
DNAJB12. 3	2. 55E-09	0. 292379	0. 181	0. 141	3. 82E-05	M1	DNAJB12
ESD. 2	2. 82E-09	-0. 10347	0. 37	0. 514	4. 21E-05	M1	ESD

MAP7. 2	2. 87E-09	-0. 16778	0. 015	0. 044	4. 29E-05	M1	MAP7
TPK1. 3	3. 15E-09	0. 198972	0. 07	0. 041	4. 70E-05	M1	TPK1
MOBP. 3	3. 22E-09	-0. 28196	0. 013	0. 04	4. 81E-05	M1	MOBP
MOB3C	3. 24E-09	0. 140218	0. 06	0. 033	4. 84E-05	M1	MOB3C
CA5A	3. 32E-09	0. 110307	0. 019	0. 006	4. 96E-05	M1	CA5A
LYVE1. 2	3. 33E-09	0. 17753	0. 061	0. 033	4. 98E-05	M1	LYVE1
ANG. 2	3. 38E-09	0. 187173	0. 116	0. 078	5. 05E-05	M1	ANG
ACOT9. 4	3. 55E-09	0. 315939	0. 211	0. 176	5. 30E-05	M1	ACOT9
BAG3. 2	3. 65E-09	0. 336717	0. 138	0. 102	5. 45E-05	M1	BAG3
MDH1. 2	3. 66E-09	-0. 11293	0. 421	0. 577	5. 47E-05	M1	MDH1
OTOA. 2	4. 06E-09	0. 123354	0. 052	0. 027	6. 06E-05	M1	OTOA
FXYD1. 1	4. 08E-09	-0. 10093	0. 011	0. 036	6. 09E-05	M1	FXYD1
XIST. 4	4. 14E-09	0. 190005	0. 309	0. 257	6. 19E-05	M1	XIST
PSTPIP1. 3	4. 22E-09	0. 134928	0. 065	0. 036	6. 30E-05	M1	PSTPIP1
APLP2. 4	4. 65E-09	0. 100525	0. 573	0. 597	6. 94E-05	M1	APLP2
BIRC3. 2	4. 83E-09	0. 112689	0. 093	0. 058	7. 22E-05	M1	BIRC3
SLC37A2. 1	4. 89E-09	0. 119151	0. 037	0. 017	7. 30E-05	M1	SLC37A2
RP11-862L	4. 91E-09	0. 196486	0. 033	0. 014	7. 34E-05	M1	RP11-862L9. 3
PEPD. 1	5. 55E-09	0. 186554	0. 42	0. 431	8. 30E-05	M1	PEPD
DOCK10. 4	5. 63E-09	0. 237929	0. 158	0. 119	8. 41E-05	M1	DOCK10
TBC1D22A. 5	6. 3E-09	0. 271795	0. 154	0. 116	8. 42E-05	M1	TBC1D22A
CCR7. 1	5. 83E-09	0. 10589	0. 022	0. 008	8. 72E-05	M1	CCR7
EIF2S2. 2	6. 32E-09	-0. 11588	0. 472	0. 611	9. 45E-05	M1	EIF2S2
TAPBPL. 3	6. 42E-09	0. 199457	0. 156	0. 116	9. 59E-05	M1	TAPBPL
TALDO1. 4	6. 87E-09	0. 115462	0. 562	0. 604	0. 000103	M1	TALDO1
ARHGAP6	7. 14E-09	0. 156892	0. 037	0. 017	0. 000107	M1	ARHGAP6
JUN. 1	7. 39E-09	-0. 13322	0. 599	0. 687	0. 00011	M1	JUN
FAM53B. 3	7. 81E-09	0. 203753	0. 076	0. 046	0. 000117	M1	FAM53B
CHADL. 1	7. 91E-09	-0. 13136	0. 018	0. 046	0. 000118	M1	CHADL
CA3. 1	9. 12E-09	-0. 22097	0. 017	0. 045	0. 000136	M1	CA3
ATXN8OS. 3	9. 41E-09	0. 225383	0. 11	0. 073	0. 000141	M1	ATXN8OS
ZBTB16. 1	9. 47E-09	0. 264157	0. 191	0. 149	0. 000141	M1	ZBTB16
CCDC28A. 3	9. 97E-09	0. 279045	0. 19	0. 152	0. 000149	M1	CCDC28A
TNFRSF11E	1. 08E-08	0. 20431	0. 078	0. 049	0. 000161	M1	TNFRSF11B
MIR22HG. 3	1. 12E-08	0. 233271	0. 144	0. 107	0. 000168	M1	MIR22HG
HIST1H2BG	1. 19E-08	0. 133072	0. 02	0. 007	0. 000177	M1	HIST1H2BG
UGCG. 2	1. 25E-08	0. 282097	0. 187	0. 152	0. 000187	M1	UGCG
PWWP2B. 1	1. 34E-08	0. 164679	0. 054	0. 03	0. 000201	M1	PWWP2B
SNRPN. 4	1. 36E-08	-0. 15613	0. 062	0. 106	0. 000203	M1	SNRPN
MTRNR2L8. 1	1. 39E-08	0. 267195	0. 226	0. 183	0. 000208	M1	MTRNR2L8
SPAG4. 1	1. 41E-08	-0. 10692	0. 022	0. 053	0. 00021	M1	SPAG4
SAMD9L	1. 44E-08	0. 224691	0. 129	0. 094	0. 000216	M1	SAMD9L
AGMAT	1. 48E-08	0. 135557	0. 035	0. 016	0. 000222	M1	AGMAT
RAB13. 3	1. 51E-08	-0. 16411	0. 291	0. 388	0. 000226	M1	RAB13
AP1G2. 3	1. 54E-08	0. 169049	0. 076	0. 046	0. 000231	M1	AP1G2
HNRNPC. 3	1. 69E-08	-0. 16066	0. 572	0. 718	0. 000253	M1	HNRNPC
CRTAP. 4	1. 86E-08	0. 286036	0. 259	0. 232	0. 000278	M1	CRTAP
MMP2. 3	1. 96E-08	0. 291468	0. 251	0. 222	0. 000293	M1	MMP2
NDST2	2. 07E-08	0. 115616	0. 043	0. 022	0. 000309	M1	NDST2
MARCO. 1	2. 11E-08	-0. 20787	0. 032	0. 064	0. 000315	M1	MARCO
PDE3B. 2	2. 15E-08	0. 178724	0. 061	0. 035	0. 000321	M1	PDE3B

RTN2. 3	2. 17E-08	0. 25404	0. 112	0. 078	0. 000324	M1	RTN2
GRINA. 3	2. 27E-08	0. 227501	0. 423	0. 439	0. 00034	M1	GRINA
SMPDL3A. 3	2. 30E-08	0. 297179	0. 154	0. 119	0. 000343	M1	SMPDL3A
IVNS1ABP. 2	2. 42E-08	0. 295854	0. 26	0. 233	0. 000362	M1	IVNS1ABP
SPATA20. 2	2. 44E-08	0. 27656	0. 16	0. 125	0. 000364	M1	SPATA20
HSP90AA1. 2	2. 54E-08	-0. 10136	0. 878	0. 89	0. 000379	M1	HSP90AA1
ARL5B. 4	2. 67E-08	0. 272508	0. 114	0. 082	0. 000399	M1	ARL5B
TMBIM4. 3	2. 69E-08	0. 206846	0. 085	0. 054	0. 000402	M1	TMBIM4
NACA2. 1	2. 83E-08	0. 298642	0. 201	0. 161	0. 000422	M1	NACA2
HDAC10. 3	2. 85E-08	0. 273219	0. 135	0. 102	0. 000426	M1	HDAC10
NIPSNAP3B	3. 13E-08	0. 116572	0. 03	0. 013	0. 000467	M1	NIPSNAP3B
IL1R2. 2	3. 32E-08	0. 113898	0. 048	0. 025	0. 000496	M1	IL1R2
SLC03A1. 1	3. 38E-08	-0. 10385	0. 012	0. 036	0. 000505	M1	SLC03A1
PGM5	3. 50E-08	0. 145467	0. 045	0. 023	0. 000522	M1	PGM5
PDIA6. 2	3. 63E-08	-0. 16436	0. 528	0. 672	0. 000542	M1	PDIA6
MAP3K5. 1	4. 06E-08	0. 205797	0. 072	0. 045	0. 000607	M1	MAP3K5
DAPL1	4. 38E-08	-0. 13158	0. 029	0. 059	0. 000655	M1	DAPL1
TMEM19. 3	4. 43E-08	0. 299645	0. 18	0. 147	0. 000662	M1	TMEM19
ATP5D. 3	4. 45E-08	-0. 12773	0. 534	0. 63	0. 000665	M1	ATP5D
GUK1. 1	4. 64E-08	-0. 12724	0. 608	0. 723	0. 000693	M1	GUK1
PIP5K1B	4. 78E-08	0. 101328	0. 042	0. 021	0. 000714	M1	PIP5K1B
RBPJ. 4	4. 83E-08	0. 214689	0. 45	0. 473	0. 000722	M1	RBPJ
NDUFB2. 3	4. 88E-08	-0. 17555	0. 727	0. 825	0. 000729	M1	NDUFB2
PPIA. 2	4. 95E-08	-0. 13399	0. 83	0. 884	0. 00074	M1	PPIA
AC079305. 5	5. 21E-08	0. 114039	0. 026	0. 011	0. 000779	M1	AC079305. 10
CCDC69. 3	5. 41E-08	0. 115315	0. 056	0. 032	0. 000808	M1	CCDC69
HSBP1L1. 2	5. 96E-08	0. 202659	0. 1	0. 069	0. 000891	M1	HSBP1L1
SHKBP1. 4	6. 12E-08	0. 307044	0. 256	0. 233	0. 000915	M1	SHKBP1
AIDA. 1	6. 43E-08	0. 285997	0. 254	0. 232	0. 00096	M1	AIDA
CYB5R4. 4	6. 47E-08	0. 337374	0. 202	0. 171	0. 000967	M1	CYB5R4
C19orf70. 6	6. 60E-08	-0. 13252	0. 476	0. 599	0. 000986	M1	C19orf70
TBC1D9. 4	6. 77E-08	0. 199029	0. 077	0. 049	0. 001011	M1	TBC1D9
DOCK5. 4	7. 09E-08	0. 150894	0. 08	0. 05	0. 001059	M1	DOCK5
TACC1. 3	7. 17E-08	0. 295056	0. 319	0. 312	0. 001072	M1	TACC1
UBL3. 4	7. 32E-08	0. 256411	0. 353	0. 354	0. 001095	M1	UBL3
COR07. 4	7. 77E-08	0. 266846	0. 187	0. 152	0. 001161	M1	COR07
C11orf58	8. 08E-08	-0. 10224	0. 564	0. 712	0. 001207	M1	C11orf58
EHP1L1. 3	8. 59E-08	0. 217168	0. 096	0. 066	0. 001283	M1	EHP1L1
TMEM91. 3	8. 75E-08	0. 235661	0. 098	0. 067	0. 001307	M1	TMEM91
MEF2D. 2	9. 10E-08	0. 220066	0. 099	0. 069	0. 00136	M1	MEF2D
IL2RA. 2	9. 41E-08	0. 149817	0. 051	0. 028	0. 001406	M1	IL2RA
VAMP3. 2	9. 41E-08	0. 242442	0. 35	0. 348	0. 001406	M1	VAMP3
IKBKE. 3	9. 74E-08	0. 226376	0. 08	0. 052	0. 001456	M1	IKBKE
FRAT1	9. 76E-08	0. 127	0. 04	0. 02	0. 001459	M1	FRAT1
SRSF7. 1	1. 03E-07	0. 121641	0. 553	0. 598	0. 001536	M1	SRSF7
CSNK1D. 4	1. 03E-07	0. 298359	0. 353	0. 361	0. 001543	M1	CSNK1D
SLFN12. 1	1. 06E-07	0. 109177	0. 043	0. 022	0. 001578	M1	SLFN12
OASL	1. 15E-07	0. 117375	0. 047	0. 025	0. 001715	M1	OASL
SLC15A2	1. 22E-07	0. 154064	0. 041	0. 021	0. 001818	M1	SLC15A2
FTL. 4	1. 28E-07	-0. 18708	1	0. 993	0. 001907	M1	FTL
TMEM39A. 2	1. 28E-07	0. 231098	0. 118	0. 086	0. 001911	M1	TMEM39A

TNFAIP8. 3	1. 30E-07	0. 141764	0. 096	0. 064	0. 001941	M1	TNFAIP8
ARHGDIA. 3	1. 32E-07	0. 117441	0. 526	0. 572	0. 00197	M1	ARHGDIA
NUDT2. 3	1. 33E-07	0. 104431	0. 121	0. 185	0. 001993	M1	NUDT2
ZNF703. 4	1. 38E-07	0. 293456	0. 123	0. 092	0. 002063	M1	ZNF703
RCC2. 3	1. 45E-07	0. 311434	0. 199	0. 17	0. 002166	M1	RCC2
RNPEP. 4	1. 46E-07	0. 265428	0. 244	0. 22	0. 002178	M1	RNPEP
CAPN3. 2	1. 49E-07	-0. 22721	0. 021	0. 047	0. 002231	M1	CAPN3
PLA2G2A. 1	1. 49E-07	-0. 34214	0. 017	0. 041	0. 002232	M1	PLA2G2A
DOPEY2. 3	1. 50E-07	0. 209891	0. 092	0. 063	0. 002237	M1	DOPEY2
PQLC3. 4	1. 54E-07	0. 288445	0. 209	0. 18	0. 002306	M1	PQLC3
SPPL2A. 4	1. 54E-07	0. 27135	0. 209	0. 179	0. 002306	M1	SPPL2A
RP11-437L	1. 57E-07	-0. 10381	0. 001	0. 015	0. 002351	M1	RP11-437L7. 1
CTC-479C5	1. 61E-07	0. 176029	0. 074	0. 047	0. 0024	M1	CTC-479C5. 12
FAH. 3	1. 62E-07	0. 25115	0. 187	0. 152	0. 002428	M1	FAH
PCBP1. 4	1. 67E-07	0. 108345	0. 548	0. 596	0. 002503	M1	PCBP1
ADAMTS4. 1	1. 71E-07	-0. 10501	0. 013	0. 035	0. 002553	M1	ADAMTS4
SYNPO2L	1. 72E-07	0. 169777	0. 031	0. 014	0. 002576	M1	SYNPO2L
FAM107B. 3	1. 85E-07	-0. 13224	0. 086	0. 129	0. 002771	M1	FAM107B
IFI44. 2	1. 88E-07	0. 248455	0. 212	0. 179	0. 002816	M1	IFI44
ATP5I. 1	1. 89E-07	-0. 14646	0. 638	0. 774	0. 002826	M1	ATP5I
ADAM8. 3	1. 96E-07	-0. 10666	0. 021	0. 048	0. 002932	M1	ADAM8
IFI35. 2	2. 03E-07	0. 218055	0. 257	0. 226	0. 003041	M1	IFI35
RBKS. 1	2. 16E-07	0. 145454	0. 06	0. 036	0. 003226	M1	RBKS
IRS2. 1	2. 24E-07	0. 258217	0. 348	0. 348	0. 003344	M1	IRS2
AMPD2. 3	2. 29E-07	0. 290505	0. 177	0. 147	0. 003415	M1	AMPD2
CALHM2. 2	2. 43E-07	0. 210823	0. 083	0. 055	0. 003635	M1	CALHM2
ZNF124. 4	2. 65E-07	0. 209779	0. 083	0. 055	0. 003962	M1	ZNF124
TMCC3. 4	2. 75E-07	0. 189879	0. 098	0. 068	0. 004108	M1	TMCC3
PIM3. 4	2. 76E-07	0. 242251	0. 216	0. 185	0. 004129	M1	PIM3
RP11-110C	3. 11E-07	0. 121888	0. 028	0. 013	0. 004644	M1	RP11-1100L3. 8
UBE2E2. 3	3. 14E-07	0. 245266	0. 265	0. 235	0. 004696	M1	UBE2E2
CD3D. 2	3. 33E-07	-0. 20492	0. 005	0. 022	0. 00498	M1	CD3D
SLC7A8	3. 46E-07	0. 148311	0. 065	0. 04	0. 005171	M1	SLC7A8
BCAS2. 1	3. 48E-07	0. 241526	0. 439	0. 468	0. 005204	M1	BCAS2
ATHL1	3. 67E-07	0. 166328	0. 052	0. 031	0. 005486	M1	ATHL1
PTEN. 4	3. 70E-07	0. 278063	0. 155	0. 124	0. 005535	M1	PTEN
LCK. 1	3. 83E-07	-0. 11441	0. 002	0. 017	0. 005722	M1	LCK
SNX29. 3	3. 92E-07	0. 267056	0. 132	0. 101	0. 005865	M1	SNX29
ZNF106. 4	3. 99E-07	0. 326702	0. 269	0. 255	0. 005959	M1	ZNF106
ACTR3. 2	4. 06E-07	0. 139539	0. 52	0. 567	0. 006068	M1	ACTR3
GADD45G. 3	4. 11E-07	-0. 12047	0. 205	0. 266	0. 006147	M1	GADD45G
SLC4A7. 3	4. 22E-07	0. 296386	0. 233	0. 21	0. 006311	M1	SLC4A7
RP11-834C	4. 34E-07	0. 222002	0. 124	0. 091	0. 00649	M1	RP11-834C11. 4
NEU1. 2	4. 43E-07	0. 297533	0. 298	0. 291	0. 006626	M1	NEU1
CCND3. 3	4. 50E-07	0. 267945	0. 276	0. 256	0. 00673	M1	CCND3
APOL3	4. 63E-07	0. 147736	0. 055	0. 032	0. 006923	M1	APOL3
PTPRCAP. 2	4. 90E-07	-0. 17222	0. 01	0. 029	0. 007317	M1	PTPRCAP
NRIP3. 1	5. 35E-07	0. 188417	0. 055	0. 033	0. 008001	M1	NRIP3
LRCH1. 1	5. 38E-07	0. 17551	0. 08	0. 054	0. 008035	M1	LRCH1
EIF4E. 3	5. 41E-07	0. 222696	0. 448	0. 496	0. 008077	M1	EIF4E
RAB8A. 2	5. 48E-07	0. 222823	0. 352	0. 356	0. 008195	M1	RAB8A



CD2. 3	5. 62E-07	-0. 17226	0. 005	0. 022	0. 008405	M1	CD2
ETV6. 2	5. 87E-07	0. 295955	0. 171	0. 143	0. 008766	M1	ETV6
TOM1. 4	5. 93E-07	0. 267639	0. 186	0. 155	0. 008868	M1	TOM1
RP4-728D4	6. 07E-07	0. 108031	0. 029	0. 013	0. 009071	M1	RP4-728D4. 2
VMA21. 3	6. 16E-07	0. 260203	0. 34	0. 34	0. 009207	M1	VMA21
PNPO. 1	6. 27E-07	0. 204471	0. 103	0. 074	0. 009363	M1	PNPO
SLPI. 3	7. 28E-07	-0. 70837	0. 119	0. 156	0. 010874	M1	SLPI
ALG13. 3	7. 44E-07	0. 329808	0. 239	0. 215	0. 011125	M1	ALG13
TRAM1. 4	7. 67E-07	0. 173436	0. 419	0. 436	0. 01146	M1	TRAM1
SNX5. 2	7. 87E-07	0. 209563	0. 384	0. 396	0. 011768	M1	SNX5
H2AFZ. 1	7. 94E-07	-0. 11909	0. 659	0. 755	0. 011869	M1	H2AFZ
OPALIN. 1	8. 28E-07	-0. 1781	0. 002	0. 015	0. 012371	M1	OPALIN
ATP5C1. 3	8. 88E-07	0. 117601	0. 545	0. 595	0. 013278	M1	ATP5C1
VPS26A. 3	8. 89E-07	0. 248723	0. 263	0. 239	0. 013292	M1	VPS26A
ACER3. 3	9. 03E-07	0. 265211	0. 208	0. 18	0. 013501	M1	ACER3
CHST15	9. 22E-07	0. 132251	0. 058	0. 035	0. 013783	M1	CHST15
CYLD. 3	9. 37E-07	0. 2794	0. 189	0. 16	0. 014005	M1	CYLD
INO80C. 2	9. 98E-07	0. 114092	0. 117	0. 175	0. 014921	M1	INO80C
PSD4. 1	1. 05E-06	0. 119032	0. 048	0. 028	0. 01566	M1	PSD4
DAAM2	1. 09E-06	-0. 1073	0. 007	0. 024	0. 016322	M1	DAAM2
FZD1	1. 11E-06	0. 174469	0. 063	0. 04	0. 01662	M1	FZD1
HSPB8. 1	1. 20E-06	-0. 10448	0. 02	0. 043	0. 017947	M1	HSPB8
PLD2. 3	1. 21E-06	0. 222378	0. 109	0. 081	0. 018069	M1	PLD2
SLC17A5. 3	1. 21E-06	0. 275582	0. 13	0. 101	0. 018125	M1	SLC17A5
ZDHHC12. 4	1. 24E-06	0. 261061	0. 275	0. 258	0. 018468	M1	ZDHHC12
OPRL1	1. 25E-06	0. 106646	0. 039	0. 021	0. 018751	M1	OPRL1
CD3E. 2	1. 31E-06	-0. 14439	0. 005	0. 02	0. 019531	M1	CD3E
TLE3. 3	1. 56E-06	0. 185349	0. 165	0. 132	0. 023367	M1	TLE3
TANGO2. 4	1. 57E-06	0. 207062	0. 109	0. 081	0. 023488	M1	TANGO2
JAK2. 1	1. 58E-06	0. 116974	0. 05	0. 03	0. 023576	M1	JAK2
VIM-AS1	1. 60E-06	0. 102611	0. 075	0. 119	0. 023863	M1	VIM-AS1
LRP10. 2	1. 67E-06	0. 242817	0. 266	0. 248	0. 024922	M1	LRP10
CACUL1. 4	1. 68E-06	0. 303025	0. 224	0. 202	0. 025045	M1	CACUL1
ORAI3. 3	1. 68E-06	0. 241415	0. 166	0. 136	0. 025137	M1	ORAI3
TMEM179B. 1	1. 72E-06	0. 223041	0. 398	0. 417	0. 025693	M1	TMEM179B
MTRNR2L6	1. 73E-06	0. 119066	0. 022	0. 01	0. 025877	M1	MTRNR2L6
LINC00937	1. 74E-06	0. 146295	0. 05	0. 03	0. 025951	M1	LINC00937
SAA4. 1	1. 89E-06	-0. 10533	0	0. 011	0. 028287	M1	SAA4
NDUFB11. 1	1. 91E-06	-0. 11919	0. 627	0. 757	0. 02855	M1	NDUFB11
UBAC2. 3	2. 07E-06	0. 291841	0. 28	0. 269	0. 030902	M1	UBAC2
RP11-46H1	2. 16E-06	0. 249773	0. 042	0. 024	0. 032284	M1	RP11-46H11. 3
CHN2. 3	2. 40E-06	0. 276893	0. 121	0. 093	0. 035842	M1	CHN2
ZNF618. 4	2. 51E-06	0. 165527	0. 067	0. 044	0. 037517	M1	ZNF618
CD52. 3	2. 67E-06	-0. 26182	0. 031	0. 056	0. 039945	M1	CD52
VDAC1. 3	2. 74E-06	-0. 11877	0. 507	0. 656	0. 041005	M1	VDAC1
IFIT2. 2	2. 75E-06	0. 181294	0. 105	0. 077	0. 041053	M1	IFIT2
LSMEM1	2. 77E-06	0. 105766	0. 031	0. 016	0. 041427	M1	LSMEM1
SDSL. 3	2. 89E-06	0. 300085	0. 207	0. 183	0. 043163	M1	SDSL
CHMP4A. 3	3. 03E-06	0. 173626	0. 444	0. 473	0. 045247	M1	CHMP4A
RSAD2	3. 04E-06	0. 109844	0. 05	0. 03	0. 045433	M1	RSAD2
PCF11. 3	3. 09E-06	0. 302427	0. 221	0. 2	0. 046107	M1	PCF11

PDPN. 2	3. 24E-06	-0. 20173	0. 372	0. 465	0. 048352	M1	PDPN
PLEKHG5	3. 30E-06	0. 135001	0. 032	0. 016	0. 049248	M1	PLEKHG5
LINC0092C	3. 32E-06	0. 10296	0. 025	0. 012	0. 049627	M1	LINC00920
SLC25A39.	3. 51E-06	0. 198317	0. 388	0. 409	0. 052491	M1	SLC25A39
PPM1N	3. 55E-06	0. 16286	0. 056	0. 035	0. 053059	M1	PPM1N
ZNF710. 1	3. 92E-06	0. 13727	0. 051	0. 032	0. 058583	M1	ZNF710
ZRSR2. 1	4. 07E-06	0. 225426	0. 148	0. 119	0. 060853	M1	ZRSR2
PPA1. 3	4. 07E-06	0. 123419	0. 492	0. 536	0. 060856	M1	PPA1
ARHGEF1. 4	4. 11E-06	0. 271505	0. 216	0. 192	0. 061484	M1	ARHGEF1
ATP5EP2. 2	4. 40E-06	0. 191325	0. 429	0. 45	0. 065771	M1	ATP5EP2
GBP4. 2	4. 67E-06	0. 15591	0. 089	0. 063	0. 069793	M1	GBP4
SGK3. 3	4. 73E-06	0. 16793	0. 089	0. 063	0. 070729	M1	SGK3
BEX4. 3	5. 04E-06	0. 132301	0. 474	0. 477	0. 075344	M1	BEX4
STAMBPL1	5. 09E-06	0. 124126	0. 042	0. 024	0. 07604	M1	STAMBPL1
NOXA1	5. 62E-06	0. 129729	0. 039	0. 022	0. 084005	M1	NOXA1
RNASE4	5. 66E-06	0. 145769	0. 052	0. 032	0. 084548	M1	RNASE4
RP11-244H	5. 72E-06	0. 128504	0. 03	0. 015	0. 085543	M1	RP11-244H3. 4
SLC22A18.	5. 73E-06	0. 271537	0. 146	0. 119	0. 085613	M1	SLC22A18
SH3BP2. 3	6. 33E-06	0. 251859	0. 161	0. 133	0. 094596	M1	SH3BP2
HP. 1	6. 55E-06	-0. 23336	0. 01	0. 027	0. 097913	M1	HP
CRLF3. 4	6. 62E-06	0. 250379	0. 136	0. 109	0. 098908	M1	CRLF3
JOSD1. 4	6. 63E-06	0. 321301	0. 176	0. 154	0. 099007	M1	JOSD1
RGS12. 4	6. 80E-06	0. 309631	0. 277	0. 269	0. 101637	M1	RGS12
SH3RF3	6. 82E-06	0. 139666	0. 051	0. 031	0. 101917	M1	SH3RF3
ACAA2. 2	7. 00E-06	0. 165011	0. 233	0. 205	0. 104585	M1	ACAA2
RAP2B. 4	7. 29E-06	0. 246022	0. 186	0. 161	0. 108878	M1	RAP2B
TMEM256. 2	7. 32E-06	0. 197846	0. 416	0. 433	0. 10942	M1	TMEM256
PCK2. 2	7. 88E-06	0. 18407	0. 09	0. 065	0. 117815	M1	PCK2
ATP5B. 3	8. 12E-06	-0. 13013	0. 689	0. 793	0. 12134	M1	ATP5B
MTRNR2L12	8. 36E-06	0. 155628	0. 224	0. 191	0. 124935	M1	MTRNR2L12
CYB561A3.	8. 86E-06	0. 229997	0. 174	0. 146	0. 132423	M1	CYB561A3
HECA. 3	9. 96E-06	0. 184398	0. 091	0. 066	0. 148801	M1	HECA
KLHL5. 3	1. 01E-05	0. 308509	0. 187	0. 167	0. 151251	M1	KLHL5
GSTM4. 2	1. 08E-05	0. 30613	0. 219	0. 202	0. 162093	M1	GSTM4
CASP8. 3	1. 10E-05	0. 130515	0. 066	0. 044	0. 164899	M1	CASP8
PACSIN2. 4	1. 13E-05	0. 242131	0. 194	0. 17	0. 16868	M1	PACSIN2
HMG3. 3	1. 14E-05	0. 101977	0. 566	0. 617	0. 170175	M1	HMG3
BEND7. 1	1. 18E-05	0. 24114	0. 077	0. 054	0. 175952	M1	BEND7
RP11-100C	1. 22E-05	0. 170758	0. 057	0. 037	0. 182067	M1	RP11-1000B6. 3
KRTCAP2. 2	1. 32E-05	0. 113393	0. 517	0. 565	0. 197735	M1	KRTCAP2
HK2. 2	1. 38E-05	0. 163769	0. 106	0. 08	0. 20678	M1	HK2
EIF4B. 4	1. 39E-05	0. 205282	0. 366	0. 381	0. 208	M1	EIF4B
SNHG12. 3	1. 49E-05	0. 213387	0. 158	0. 129	0. 222492	M1	SNHG12
FAM162A. 4	1. 67E-05	-0. 1076	0. 325	0. 416	0. 250274	M1	FAM162A
OSR1. 1	1. 81E-05	-0. 11008	0. 003	0. 015	0. 269801	M1	OSR1
TMA7. 3	1. 83E-05	-0. 12057	0. 803	0. 861	0. 272946	M1	TMA7
CISD3. 3	1. 84E-05	0. 248656	0. 263	0. 252	0. 275072	M1	CISD3
POLR2L. 1	1. 85E-05	-0. 12351	0. 594	0. 707	0. 276388	M1	POLR2L
ATP6VOA1.	1. 97E-05	0. 115449	0. 215	0. 299	0. 29439	M1	ATP6VOA1
DHX58	2. 08E-05	0. 191934	0. 057	0. 037	0. 310635	M1	DHX58
RP2. 4	2. 10E-05	0. 203599	0. 097	0. 073	0. 314482	M1	RP2

ZNF562.2	2.12E-05	0.105312	0.102	0.149	0.31704	M1	ZNF562
POLR2A.2	2.17E-05	0.108888	0.158	0.222	0.324865	M1	POLR2A
RAP1B.3	2.24E-05	0.13158	0.411	0.439	0.334891	M1	RAP1B
ATP5J2.4	2.26E-05	-0.13622	0.739	0.821	0.337083	M1	ATP5J2
ECHDC2.2	2.29E-05	0.107815	0.14	0.198	0.342425	M1	ECHDC2
ITGA4.3	2.32E-05	0.117791	0.06	0.039	0.347023	M1	ITGA4
ISG20L2.2	2.37E-05	0.282477	0.235	0.223	0.354537	M1	ISG20L2
CAST.3	2.41E-05	0.227823	0.316	0.319	0.360382	M1	CAST
IL15RA.1	2.47E-05	0.141353	0.046	0.029	0.369783	M1	IL15RA
NDUFA7.3	2.69E-05	-0.16676	0.025	0.046	0.401686	M1	NDUFA7
MBD4.2	2.77E-05	0.246162	0.273	0.262	0.414095	M1	MBD4
NCOA7.2	2.77E-05	0.214433	0.136	0.111	0.414126	M1	NCOA7
NUBP1.3	2.85E-05	0.275071	0.231	0.215	0.426053	M1	NUBP1
APH1A.2	2.89E-05	0.166555	0.444	0.493	0.432362	M1	APH1A
ABR.3	3.00E-05	0.267508	0.165	0.141	0.447625	M1	ABR
KLHL15	3.02E-05	0.108435	0.041	0.025	0.45078	M1	KLHL15
C17orf62.	3.07E-05	0.193539	0.353	0.371	0.458145	M1	C17orf62
LASP1.4	3.11E-05	0.275079	0.223	0.207	0.465277	M1	LASP1
NDUFC2.2	3.30E-05	-0.1378	0.651	0.773	0.493425	M1	NDUFC2
TFEB.4	3.52E-05	0.161525	0.098	0.074	0.526506	M1	TFEB
GPR155.3	3.66E-05	0.133228	0.14	0.196	0.547165	M1	GPR155
DISC1.3	3.68E-05	0.128443	0.063	0.043	0.550111	M1	DISC1
PGLS.4	3.71E-05	0.113106	0.475	0.517	0.554726	M1	PGLS
FKBP8.1	3.84E-05	-0.11651	0.534	0.668	0.573995	M1	FKBP8
ZCCHC2	3.99E-05	0.141766	0.06	0.04	0.595975	M1	ZCCHC2
COMMD8.4	4.00E-05	0.269312	0.238	0.221	0.597498	M1	COMMD8
SLC18B1.2	4.14E-05	0.266431	0.196	0.175	0.618077	M1	SLC18B1
NDRG2.2	4.18E-05	-0.15567	0.31	0.369	0.624326	M1	NDRG2
ACSL4.4	4.55E-05	0.184082	0.103	0.079	0.679708	M1	ACSL4
MB21D2.3	4.74E-05	0.212324	0.071	0.05	0.708829	M1	MB21D2
MIR181A1H	5.07E-05	0.241728	0.132	0.109	0.757362	M1	MIR181A1HG
NDUFA11.1	5.50E-05	-0.10894	0.666	0.756	0.822359	M1	NDUFA11
TGOLN2.4	5.75E-05	0.240202	0.357	0.376	0.859548	M1	TGOLN2
C10orf76.	5.78E-05	0.182784	0.073	0.053	0.863805	M1	C10orf76
TIPARP.3	6.15E-05	0.2219	0.186	0.165	0.919179	M1	TIPARP
MYADM.3	6.17E-05	0.277634	0.207	0.19	0.922053	M1	MYADM
IFITM10.2	6.21E-05	0.188903	0.148	0.121	0.927939	M1	IFITM10
PPFIBP2	7.02E-05	0.150783	0.066	0.047	1	M1	PPFIBP2
RP1-313I6	7.13E-05	0.151749	0.069	0.049	1	M1	RP1-313I6.12
STK10.4	7.49E-05	0.202599	0.09	0.068	1	M1	STK10
NR1H2.4	7.50E-05	0.267256	0.299	0.304	1	M1	NR1H2
MAX.2	7.58E-05	0.262766	0.293	0.294	1	M1	MAX
EPOR.2	7.92E-05	0.219753	0.087	0.066	1	M1	EPOR
PARK7.3	7.96E-05	-0.14909	0.684	0.782	1	M1	PARK7
TMX1.2	8.03E-05	0.19921	0.383	0.407	1	M1	TMX1
GTF3A.4	8.38E-05	0.122891	0.466	0.512	1	M1	GTF3A
PRDX1.4	8.81E-05	-0.16045	0.741	0.822	1	M1	PRDX1
CTD-2341M	8.94E-05	0.1048	0.023	0.012	1	M1	CTD-2341M24.1
ROCK1.4	8.99E-05	0.263608	0.302	0.31	1	M1	ROCK1
UFC1.3	9.47E-05	0.116581	0.51	0.571	1	M1	UFC1
GIT2.4	9.51E-05	0.273553	0.17	0.15	1	M1	GIT2

FBXL15.4	9.53E-05	0.211657	0.211	0.192	1 M1	FBXL15
ZMYM2.3	0.0001	0.100035	0.156	0.214	1 M1	ZMYM2
MTRNR2L1C	0.0001	0.204755	0.093	0.07	1 M1	MTRNR2L10
ENSA.2	0.000107	0.109769	0.467	0.507	1 M1	ENSA
C1orf56.2	0.000109	0.26368	0.215	0.199	1 M1	C1orf56
SLC50A1.3	0.000109	0.298511	0.184	0.164	1 M1	SLC50A1
UBAC1.3	0.000109	0.114471	0.165	0.229	1 M1	UBAC1
SKI.3	0.000111	0.256902	0.168	0.148	1 M1	SKI
N4BP2L1.2	0.000111	0.246872	0.176	0.154	1 M1	N4BP2L1
LHPP.3	0.000118	-0.1743	0.08	0.11	1 M1	LHPP
PPCS.1	0.000122	0.201191	0.32	0.321	1 M1	PPCS
CNOT1.3	0.00014	0.110861	0.112	0.157	1 M1	CNOT1
PCTP.1	0.000146	0.226546	0.09	0.069	1 M1	PCTP
AFF4.3	0.000149	0.123182	0.259	0.357	1 M1	AFF4
CYB561D2.	0.000151	0.26181	0.235	0.224	1 M1	CYB561D2
PHKG2.2	0.000151	0.244433	0.171	0.151	1 M1	PHKG2
FAM118A.3	0.000155	0.241472	0.151	0.129	1 M1	FAM118A
ETHE1.1	0.000171	0.244044	0.289	0.288	1 M1	ETHE1
FOXP1.2	0.000173	0.137995	0.25	0.227	1 M1	FOXP1
LEPROT	0.000174	0.204708	0.368	0.395	1 M1	LEPROT
PNPLA4.1	0.000175	0.116161	0.08	0.059	1 M1	PNPLA4
FCHO2.3	0.000186	0.208742	0.091	0.071	1 M1	FCHO2
GAB2.2	0.000193	0.161052	0.083	0.062	1 M1	GAB2
TP53I13.3	0.000202	0.109397	0.186	0.256	1 M1	TP53I13
SERPING1.	0.000207	-0.16091	0.273	0.226	1 M1	SERPING1
CLN6.3	0.000213	0.232331	0.146	0.126	1 M1	CLN6
TTC17.1	0.000228	0.102767	0.169	0.228	1 M1	TTC17
RNF19B.1	0.00023	0.172053	0.067	0.049	1 M1	RNF19B
ABCD1.2	0.000231	0.143817	0.061	0.043	1 M1	ABCD1
SSH1.1	0.000238	0.234433	0.1	0.08	1 M1	SSH1
ALDH16A1.	0.000247	0.195196	0.137	0.116	1 M1	ALDH16A1
APAF1.4	0.000251	0.228766	0.082	0.063	1 M1	APAF1
TPST2.3	0.000255	0.291327	0.18	0.164	1 M1	TPST2
MAP2K1.4	0.000258	0.226195	0.269	0.268	1 M1	MAP2K1
MVP.2	0.000264	0.184314	0.237	0.223	1 M1	MVP
DOK2.3	0.00028	0.121279	0.072	0.052	1 M1	DOK2
MYO9B.3	0.000317	0.276885	0.267	0.27	1 M1	MYO9B
PLEKH01.3	0.000323	0.266767	0.271	0.276	1 M1	PLEKH01
MMP14.2	0.000334	0.185837	0.235	0.219	1 M1	MMP14
SIPA1L2.1	0.000338	0.10137	0.091	0.128	1 M1	SIPA1L2
MTAP.2	0.000343	0.173204	0.087	0.067	1 M1	MTAP
SLC1A4.4	0.00036	0.178631	0.089	0.069	1 M1	SLC1A4
MFSD11	0.000376	0.106997	0.149	0.203	1 M1	MFSD11
TBC1D1.4	0.000378	0.220813	0.139	0.119	1 M1	TBC1D1
FAM122A.3	0.000383	0.11053	0.109	0.151	1 M1	FAM122A
TMED5.3	0.000388	0.244108	0.3	0.307	1 M1	TMED5
ELF2.1	0.000402	0.100132	0.14	0.189	1 M1	ELF2
LRRC69.1	0.000408	0.217237	0.045	0.03	1 M1	LRRC69
EPC1.4	0.000414	0.155787	0.224	0.304	1 M1	EPC1
MFI2	0.000438	0.106061	0.04	0.026	1 M1	MFI2
ATOH8.2	0.000438	0.140777	0.068	0.05	1 M1	ATOH8

BACH1.2	0.000449	0.241445	0.123	0.104	1 M1	BACH1
KLF11.2	0.000483	0.130383	0.052	0.037	1 M1	KLF11
UQCRC2.1	0.000505	0.15388	0.468	0.522	1 M1	UQCRC2
MAN2A1.4	0.000506	0.215103	0.127	0.107	1 M1	MAN2A1
MID1IP1.2	0.000544	0.2053	0.268	0.26	1 M1	MID1IP1
TMEM163.2	0.000557	0.135436	0.077	0.059	1 M1	TMEM163
ATM.3	0.000559	0.296715	0.198	0.187	1 M1	ATM
ITGB5.2	0.000571	0.154252	0.071	0.053	1 M1	ITGB5
SERPINB8.0	0.000578	0.186619	0.094	0.075	1 M1	SERPINB8
TOR1AIP1.0	0.000627	0.100487	0.142	0.19	1 M1	TOR1AIP1
LUCAT1.0	0.000646	0.116302	0.048	0.033	1 M1	LUCAT1
TCF25.3	0.000646	0.129477	0.5	0.561	1 M1	TCF25
GLS.3	0.000671	0.238011	0.143	0.126	1 M1	GLS
ELL.1	0.000701	0.202173	0.116	0.097	1 M1	ELL
SERPINE1.0	0.000702	0.156316	0.118	0.097	1 M1	SERPINE1
NDUFA13.2	0.00072	-0.14213	0.701	0.786	1 M1	NDUFA13
USP3.4	0.000732	0.124418	0.128	0.173	1 M1	USP3
RNF122.0	0.000799	0.140334	0.048	0.033	1 M1	RNF122
PI4K2A.3	0.000808	0.183591	0.079	0.062	1 M1	PI4K2A
TMEM192.0	0.000814	0.123171	0.15	0.198	1 M1	TMEM192
CCNDBP1.4	0.000844	0.237518	0.214	0.203	1 M1	CCNDBP1
CNTRL.4	0.000923	0.260647	0.132	0.115	1 M1	CNTRL
ME2.2	0.000942	0.234577	0.229	0.223	1 M1	ME2
CTNND1.2	0.000954	0.116329	0.168	0.224	1 M1	CTNND1
ADCK2.3	0.000968	0.237003	0.153	0.137	1 M1	ADCK2
EIF2S3.2	0.000971	0.216735	0.289	0.295	1 M1	EIF2S3
IFIT1.1	0.000988	0.126046	0.089	0.07	1 M1	IFIT1
SIL1.3	0.001007	0.24971	0.255	0.255	1 M1	SIL1
ZSWIM4.1	0.001044	0.169712	0.064	0.048	1 M1	ZSWIM4
MAPK3.1	0.001059	0.108519	0.163	0.216	1 M1	MAPK3
GZMK.1	0.00106	-0.10441	0.004	0.012	1 M1	GZMK
CHP1.4	0.001087	0.220953	0.238	0.234	1 M1	CHP1
IDH2.4	0.001095	0.162917	0.394	0.433	1 M1	IDH2
CLK1.2	0.00112	0.18369	0.409	0.425	1 M1	CLK1
MFSD12.3	0.001122	0.126025	0.148	0.2	1 M1	MFSD12
LMBRD1.2	0.001142	0.233661	0.224	0.215	1 M1	LMBRD1
USB1.3	0.001162	0.107703	0.181	0.239	1 M1	USB1
LMBR1L.3	0.001171	0.111926	0.146	0.192	1 M1	LMBR1L
ATG7.2	0.001173	0.205831	0.126	0.108	1 M1	ATG7
SPCS2.2	0.001241	-0.10366	0.625	0.751	1 M1	SPCS2
AHSA2.1	0.001282	0.102576	0.095	0.129	1 M1	AHSA2
GALT.2	0.001287	0.206032	0.096	0.078	1 M1	GALT
MB21D1.0	0.001342	0.135938	0.046	0.033	1 M1	MB21D1
ZYX.4	0.001343	0.154562	0.381	0.406	1 M1	ZYX
PRDX6.2	0.001358	-0.1822	0.569	0.635	1 M1	PRDX6
HM13.0	0.001367	0.122339	0.441	0.482	1 M1	HM13
PFKFB2.0	0.001415	0.131487	0.047	0.034	1 M1	PFKFB2
PPARGC1B.0	0.00142	0.117489	0.039	0.026	1 M1	PPARGC1B
MAP3K3.3	0.001432	0.182848	0.077	0.061	1 M1	MAP3K3
HPS5.3	0.001629	0.214122	0.128	0.111	1 M1	HPS5
DCAF6.3	0.001644	0.254518	0.175	0.164	1 M1	DCAF6

DNAJC4.3	0.001668	0.239875	0.232	0.228	1 M1	DNAJC4
CCL8	0.001677	0.134087	0.021	0.012	1 M1	CCL8
PRPF38B.4	0.001683	0.190791	0.4	0.442	1 M1	PRPF38B
STX6.4	0.001721	0.228158	0.205	0.196	1 M1	STX6
PPP1R3B.2	0.001742	0.190497	0.08	0.064	1 M1	PPP1R3B
MTHFR.3	0.001833	0.221394	0.092	0.075	1 M1	MTHFR
SCML1.2	0.001916	0.18209	0.109	0.091	1 M1	SCML1
RCBTB2.3	0.001928	0.222822	0.156	0.139	1 M1	RCBTB2
RASGRP2.4	0.00196	0.117162	0.065	0.049	1 M1	RASGRP2
WDR830S.3	0.001993	-0.15161	0.648	0.763	1 M1	WDR830S
ERMAP	0.002018	0.124854	0.057	0.042	1 M1	ERMAP
SETX.3	0.002058	0.144329	0.129	0.173	1 M1	SETX
KLHL36.2	0.002061	0.100844	0.071	0.098	1 M1	KLHL36
SNX6.2	0.00207	0.163195	0.395	0.437	1 M1	SNX6
ACSF2.3	0.002076	0.217553	0.078	0.063	1 M1	ACSF2
TOR2A.3	0.002215	0.232288	0.158	0.145	1 M1	TOR2A
ELK3.2	0.002274	0.209627	0.101	0.086	1 M1	ELK3
DNM2.3	0.002295	0.237028	0.241	0.243	1 M1	DNM2
HIC1	0.002311	0.11033	0.033	0.022	1 M1	HIC1
MALT1.4	0.002392	0.172773	0.087	0.071	1 M1	MALT1
GZMA.2	0.002422	-0.1272	0.007	0.016	1 M1	GZMA
ZFX.1	0.002471	0.104456	0.092	0.124	1 M1	ZFX
NR3C1.4	0.002525	0.134684	0.197	0.259	1 M1	NR3C1
SCNM1.1	0.002546	0.123233	0.267	0.354	1 M1	SCNM1
IRF2BP2.3	0.002551	0.10848	0.253	0.328	1 M1	IRF2BP2
ICA1.2	0.002588	0.259947	0.126	0.111	1 M1	ICA1
APOL1.1	0.002632	0.147362	0.05	0.037	1 M1	APOL1
MTMR14.4	0.002717	0.237873	0.223	0.221	1 M1	MTMR14
CXCL3.1	0.002719	-0.12435	0.056	0.075	1 M1	CXCL3
AIG1.1	0.002726	0.198077	0.32	0.337	1 M1	AIG1
PWP2.3	0.00274	0.196255	0.137	0.121	1 M1	PWP2
RNF141.2	0.002945	0.110664	0.172	0.223	1 M1	RNF141
PSMD9.1	0.002956	0.107718	0.225	0.292	1 M1	PSMD9
FKBP15.3	0.003014	0.197121	0.15	0.136	1 M1	FKBP15
MTHFS.2	0.00307	0.18087	0.198	0.187	1 M1	MTHFS
C16orf86.0	0.003169	0.126995	0.049	0.036	1 M1	C16orf86
RIT1.2	0.003189	0.141459	0.169	0.223	1 M1	RIT1
UTRN.3	0.003197	0.20541	0.122	0.107	1 M1	UTRN
KATNBL1.3	0.003261	0.155698	0.198	0.262	1 M1	KATNBL1
SUPT4H1.1	0.003556	0.126464	0.447	0.504	1 M1	SUPT4H1
AKAP17A.2	0.003737	0.127943	0.133	0.174	1 M1	AKAP17A
DGKA.1	0.003767	0.136932	0.048	0.035	1 M1	DGKA
JMJD1C.4	0.003779	0.259385	0.312	0.339	1 M1	JMJD1C
CCDC50.3	0.003785	0.225974	0.288	0.302	1 M1	CCDC50
GFAP.2	0.003998	-0.24664	0.319	0.356	1 M1	GFAP
PSMA2.3	0.004013	-0.16266	0.046	0.064	1 M1	PSMA2
GSTM2	0.004069	0.112554	0.034	0.023	1 M1	GSTM2
LPIN2.3	0.00407	0.256643	0.158	0.147	1 M1	LPIN2
ANP32B.4	0.004093	0.122035	0.415	0.456	1 M1	ANP32B
NCEH1.2	0.00416	0.1434	0.08	0.066	1 M1	NCEH1
ABHD5	0.004255	0.191426	0.123	0.109	1 M1	ABHD5

ZNF581.1	0.00428	0.111335	0.138	0.18	1 M1	ZNF581
MCMBP.3	0.004356	0.108975	0.115	0.15	1 M1	MCMBP
FCHSD2.2	0.004364	0.171582	0.094	0.078	1 M1	FCHSD2
SETD7.1	0.004469	0.116036	0.08	0.108	1 M1	SETD7
CD63.4	0.004587	-0.10453	0.974	0.915	1 M1	CD63
TM9SF3.3	0.004727	0.114909	0.175	0.229	1 M1	TM9SF3
EIF1.4	0.004747	-0.11943	0.992	0.97	1 M1	EIF1
RHOQ.3	0.004817	0.268097	0.167	0.16	1 M1	RHOQ
RFT1	0.004908	0.137507	0.107	0.141	1 M1	RFT1
GHDC.2	0.004961	0.211729	0.105	0.091	1 M1	GHDC
MOB3A.3	0.005134	0.106541	0.13	0.169	1 M1	MOB3A
CCDC91.2	0.00524	0.100828	0.159	0.204	1 M1	CCDC91
CLN5.1	0.005498	0.121529	0.177	0.23	1 M1	CLN5
TMEM140.1	0.005579	0.102376	0.059	0.046	1 M1	TMEM140
FABP5.3	0.005628	-0.457	0.37	0.397	1 M1	FABP5
BCKDK.4	0.005688	0.188422	0.3	0.317	1 M1	BCKDK
RAB8B.3	0.005721	0.101687	0.124	0.161	1 M1	RAB8B
PLEKHA2.2	0.005825	0.217203	0.125	0.112	1 M1	PLEKHA2
NCOR2.3	0.005998	0.11829	0.186	0.24	1 M1	NCOR2
IQGAP1.4	0.00611	0.239089	0.248	0.254	1 M1	IQGAP1
DNAJC5.3	0.006166	0.122378	0.169	0.221	1 M1	DNAJC5
CCDC22.2	0.006343	0.14785	0.1	0.132	1 M1	CCDC22
CD46	0.006371	0.249057	0.232	0.234	1 M1	CD46
IDI1.3	0.006383	0.244841	0.305	0.328	1 M1	IDI1
PQLC1.3	0.006452	0.138517	0.106	0.14	1 M1	PQLC1
IFFO1.3	0.006721	0.230776	0.129	0.116	1 M1	IFFO1
CLEC2D	0.006788	0.121601	0.035	0.025	1 M1	CLEC2D
SUSD1.3	0.0069	0.138472	0.066	0.053	1 M1	SUSD1
KLHL18.1	0.006922	0.104418	0.095	0.124	1 M1	KLHL18
SLC12A7.1	0.00693	0.130348	0.051	0.039	1 M1	SLC12A7
TAZ.2	0.007089	0.228197	0.144	0.132	1 M1	TAZ
FAM65C	0.007289	0.12023	0.038	0.027	1 M1	FAM65C
CALM2.3	0.007439	-0.11088	0.934	0.932	1 M1	CALM2
ATF1	0.007481	0.109	0.116	0.149	1 M1	ATF1
NAA20.1	0.007637	0.143232	0.444	0.507	1 M1	NAA20
RP11-493L	0.008155	0.115631	0.029	0.02	1 M1	RP11-493L12.4
RNF111.3	0.008409	0.100683	0.063	0.085	1 M1	RNF111
MIDN.2	0.008424	0.106082	0.331	0.431	1 M1	MIDN
DNAJC15.2	0.008528	0.151654	0.365	0.395	1 M1	DNAJC15
SPHK1.3	0.008533	0.211627	0.117	0.104	1 M1	SPHK1
SLC39A11.0	0.008554	0.177019	0.084	0.071	1 M1	SLC39A11
NCOA3.3	0.008695	0.148747	0.1	0.131	1 M1	NCOA3
CHKA.4	0.008788	0.26556	0.19	0.187	1 M1	CHKA
IKBKG.3	0.008921	0.111953	0.106	0.138	1 M1	IKBKG
TBC1D9B.2	0.009809	0.105868	0.13	0.166	1 M1	TBC1D9B
EFR3A.3	0.009946	0.108272	0.114	0.148	1 M1	EFR3A
S100A9.5	0	1.32377	0.876	0.177	0 M2	S100A9
TGFBI.5	0	1.304618	0.801	0.163	0 M2	TGFBI
FCGR2B.5	0	1.260359	0.679	0.106	0 M2	FCGR2B
MARCO.2	0	1.237859	0.415	0.033	0 M2	MARCO
S100A8.5	0	1.170883	0.718	0.147	0 M2	S100A8

SLC16A10.	0	1.15559	0.504	0.057	0	M2	SLC16A10
S100A4.5	0	1.116636	0.912	0.252	0	M2	S100A4
CD163.5	0	1.018934	0.854	0.234	0	M2	CD163
VAMP8.5	0	0.971468	0.939	0.301	0	M2	VAMP8
SLAMF9.2	0	0.83136	0.199	0.006	0	M2	SLAMF9
ADAM8.4	#####	0.892057	0.303	0.025	#####	M2	ADAM8
RNASE1.3	#####	1.175208	0.639	0.136	#####	M2	RNASE1
C1orf162.	#####	0.947718	0.907	0.28	#####	M2	C1orf162
GPNMB.5	#####	1.02102	0.672	0.167	#####	M2	GPNMB
CLEC5A.5	#####	1.019725	0.465	0.073	#####	M2	CLEC5A
ALOX5AP.5	#####	0.890088	0.967	0.358	#####	M2	ALOX5AP
CD14.5	#####	0.867242	0.964	0.369	#####	M2	CD14
PLAUR.5	#####	0.910576	0.914	0.328	#####	M2	PLAUR
ANPEP.4	#####	0.796657	0.243	0.017	#####	M2	ANPEP
STAB1.4	#####	1.050916	0.595	0.131	#####	M2	STAB1
FCER1G.5	#####	0.844036	0.995	0.402	#####	M2	FCER1G
AIF1.5	#####	0.847691	0.981	0.37	#####	M2	AIF1
LAPTM5.5	#####	0.827005	0.997	0.396	#####	M2	LAPTM5
HMOX1.5	#####	0.97409	0.784	0.26	#####	M2	HMOX1
LYZ.5	#####	1.015476	0.66	0.174	#####	M2	LYZ
SLC16A3.5	#####	0.985454	0.798	0.286	#####	M2	SLC16A3
CD68.5	#####	0.815731	0.959	0.404	#####	M2	CD68
TYROBP.5	#####	0.796929	0.999	0.421	#####	M2	TYROBP
SLC11A1.5	#####	0.902981	0.82	0.268	#####	M2	SLC11A1
SERPINA1.	#####	0.874114	0.81	0.263	#####	M2	SERPINA1
PLIN2.4	#####	0.857807	0.833	0.307	#####	M2	PLIN2
ITGB2.5	#####	0.852153	0.844	0.287	#####	M2	ITGB2
GMFG.5	#####	0.86836	0.811	0.261	#####	M2	GMFG
C5AR1.5	#####	0.889043	0.7	0.205	#####	M2	C5AR1
TREM1.4	#####	0.92449	0.564	0.135	#####	M2	TREM1
LYVE1.3	#####	0.836402	0.249	0.023	#####	M2	LYVE1
CXCL3.2	#####	1.030055	0.351	0.052	#####	M2	CXCL3
C15orf48.	#####	0.990253	0.342	0.05	#####	M2	C15orf48
SRGN.5	#####	0.71614	0.999	0.463	#####	M2	SRGN
VSIG4.5	#####	0.757975	0.898	0.327	#####	M2	VSIG4
ARHGDIB.5	#####	0.791263	0.905	0.334	#####	M2	ARHGDIB
SERPINB1.	#####	0.859632	0.731	0.234	#####	M2	SERPINB1
FXYP5.5	#####	0.815627	0.842	0.305	#####	M2	FXYP5
FCGR3A.5	#####	0.772179	0.866	0.304	#####	M2	FCGR3A
GPSM3.5	#####	0.83543	0.729	0.229	#####	M2	GPSM3
FBP1.5	#####	0.926679	0.448	0.093	#####	M2	FBP1
FCGR2A.5	#####	0.824974	0.768	0.255	#####	M2	FCGR2A
GSTO1.4	#####	0.808257	0.851	0.428	#####	M2	GSTO1
HCST.5	#####	0.836468	0.757	0.251	#####	M2	HCST
ENG.5	#####	0.939913	0.531	0.139	#####	M2	ENG
CTSZ.5	#####	0.925736	0.676	0.226	#####	M2	CTSZ
C1QC.5	#####	0.682056	0.98	0.467	#####	M2	C1QC
RNASE2.5	#####	0.924561	0.53	0.131	#####	M2	RNASE2
LSP1.5	#####	0.924279	0.539	0.139	#####	M2	LSP1
PYCARD.5	#####	0.838207	0.732	0.253	#####	M2	PYCARD
GPR183.5	#####	0.768337	0.766	0.256	#####	M2	GPR183



FCGRT. 4	#####	0.69746	0.954	0.521	#####	M2	FCGRT
C1QA. 5	#####	0.680486	0.98	0.506	#####	M2	C1QA
MS4A4A. 5	#####	0.753824	0.754	0.253	#####	M2	MS4A4A
TYMP. 5	#####	0.848514	0.737	0.276	#####	M2	TYMP
CAPG. 5	#####	0.77744	0.856	0.383	#####	M2	CAPG
NCF2. 5	#####	0.826406	0.401	0.08	#####	M2	NCF2
FPR1. 5	#####	0.749637	0.752	0.251	#####	M2	FPR1
RNASE6. 5	#####	0.751516	0.742	0.242	#####	M2	RNASE6
CTSS. 5	#####	0.733673	0.834	0.32	#####	M2	CTSS
DAB2. 4	#####	0.874048	0.496	0.125	#####	M2	DAB2
CTSD. 4	#####	0.615257	0.928	0.619	#####	M2	CTSD
EMP3. 4	#####	0.738628	0.84	0.421	#####	M2	EMP3
MS4A7. 5	#####	0.74061	0.805	0.298	#####	M2	MS4A7
CYBA. 5	#####	0.760187	0.866	0.372	#####	M2	CYBA
CTSL. 5	#####	0.697284	0.871	0.499	#####	M2	CTSL
THBS1. 4	#####	0.922282	0.341	0.062	#####	M2	THBS1
TREM2. 5	#####	0.719303	0.831	0.316	#####	M2	TREM2
AC092484.	#####	0.5207	0.123	0.005	#####	M2	AC092484. 1
C1QB. 5	#####	0.621401	0.972	0.541	#####	M2	C1QB
CACNA2D4.	#####	0.773334	0.323	0.056	#####	M2	CACNA2D4
MALAT1. 5	#####	-0.54853	1	0.995	#####	M2	MALAT1
CSTA. 5	#####	0.774829	0.446	0.106	#####	M2	CSTA
LCP1. 4	#####	0.759881	0.473	0.118	#####	M2	LCP1
GNA15. 5	#####	0.78164	0.402	0.088	#####	M2	GNA15
CD300A. 5	#####	0.783775	0.563	0.165	#####	M2	CD300A
THBD. 5	#####	0.825331	0.369	0.075	#####	M2	THBD
RNASET2. 5	#####	0.732629	0.874	0.455	#####	M2	RNASET2
IFI30. 5	#####	0.809137	0.61	0.191	#####	M2	IFI30
ARHGAP18.	#####	0.800749	0.51	0.148	#####	M2	ARHGAP18
IL4I1. 4	#####	0.778749	0.289	0.049	#####	M2	IL4I1
LST1. 5	#####	0.717191	0.752	0.281	#####	M2	LST1
RGS1. 5	#####	0.620922	0.908	0.414	#####	M2	RGS1
S100A10. 5	#####	0.562783	0.927	0.517	#####	M2	S100A10
SAMSN1. 5	#####	0.729139	0.658	0.223	#####	M2	SAMSN1
HNMT. 4	#####	0.794932	0.573	0.193	#####	M2	HNMT
CD53. 5	#####	0.650173	0.769	0.283	#####	M2	CD53
CD36. 1	#####	0.516597	0.128	0.007	#####	M2	CD36
CXCL2. 2	#####	0.856797	0.341	0.068	#####	M2	CXCL2
PLTP. 3	#####	0.679521	0.817	0.445	#####	M2	PLTP
CTSH. 5	#####	0.72834	0.704	0.266	#####	M2	CTSH
CD93. 5	#####	0.708618	0.303	0.054	#####	M2	CD93
VMO1. 5	#####	0.905124	0.479	0.137	#####	M2	VMO1
CLIC1. 3	#####	0.527038	0.96	0.599	#####	M2	CLIC1
SPI1. 5	#####	0.746999	0.623	0.211	#####	M2	SPI1
ARPC1B. 5	#####	0.604605	0.88	0.506	#####	M2	ARPC1B
MYL12A. 4	#####	0.583751	0.876	0.52	#####	M2	MYL12A
STXBP2. 5	#####	0.740072	0.506	0.149	#####	M2	STXBP2
AQP9. 1	#####	0.558746	0.176	0.018	#####	M2	AQP9
FCGBP. 4	#####	0.891129	0.581	0.204	#####	M2	FCGBP
CYTIP. 5	#####	0.732576	0.375	0.084	#####	M2	CYTIP
APOC1. 4	#####	0.592517	0.908	0.488	#####	M2	APOC1

RGS10. 5	#####	0. 645875	0. 778	0. 311	#####	M2	RGS10
KYNU. 5	#####	0. 738062	0. 327	0. 067	#####	M2	KYNU
AP2S1. 4	#####	0. 545429	0. 891	0. 644	#####	M2	AP2S1
CTSB. 2	#####	0. 419991	0. 994	0. 74	#####	M2	CTSB
CATSPER1.	#####	0. 603177	0. 166	0. 016	#####	M2	CATSPER1
CD86. 5	#####	0. 67912	0. 584	0. 187	#####	M2	CD86
NPC2. 4	#####	0. 472395	0. 999	0. 67	#####	M2	NPC2
CTSC. 5	#####	0. 642711	0. 787	0. 355	#####	M2	CTSC
ANXA2. 4	#####	0. 523927	0. 9	0. 486	#####	M2	ANXA2
H2AFJ. 5	#####	0. 871795	0. 581	0. 236	#####	M2	H2AFJ
GPM6B. 5	#####	-1. 32298	0. 193	0. 649	#####	M2	GPM6B
ANXA1. 3	#####	0. 569942	0. 833	0. 38	#####	M2	ANXA1
ANGPTL4. 2	#####	0. 82168	0. 356	0. 083	#####	M2	ANGPTL4
RETN. 3	#####	0. 595817	0. 138	0. 011	#####	M2	RETN
IL7R. 4	#####	0. 596402	0. 246	0. 04	#####	M2	IL7R
MAP3K8. 5	#####	0. 74182	0. 511	0. 16	#####	M2	MAP3K8
NCF4. 5	#####	0. 734765	0. 444	0. 124	#####	M2	NCF4
SIGLEC7. 5	#####	0. 712599	0. 294	0. 058	#####	M2	SIGLEC7
HLA-DRB5.	#####	0. 542591	0. 847	0. 368	#####	M2	HLA-DRB5
CSTB. 3	#####	0. 477195	0. 909	0. 674	#####	M2	CSTB
LAIR1. 5	#####	0. 698031	0. 585	0. 205	#####	M2	LAIR1
MPP1. 5	#####	0. 784306	0. 508	0. 179	#####	M2	MPP1
SLC7A7. 5	#####	0. 71334	0. 493	0. 151	#####	M2	SLC7A7
FERMT3. 5	#####	0. 71074	0. 474	0. 144	#####	M2	FERMT3
GRN. 5	#####	0. 548388	0. 856	0. 55	#####	M2	GRN
NOVA1. 5	#####	-1. 44338	0. 049	0. 51	#####	M2	NOVA1
LY86. 5	#####	0. 633085	0. 692	0. 263	#####	M2	LY86
UPP1. 4	#####	0. 81493	0. 562	0. 233	#####	M2	UPP1
MMP19. 2	#####	0. 734747	0. 249	0. 045	#####	M2	MMP19
S100A11. 5	#####	0. 414715	0. 996	0. 633	#####	M2	S100A11
CKB. 5	#####	-1. 16539	0. 186	0. 61	#####	M2	CKB
SQRDL. 5	#####	0. 731182	0. 448	0. 14	#####	M2	SQRDL
MYO1G. 5	#####	0. 601238	0. 255	0. 047	#####	M2	MYO1G
TUBA1A. 4	#####	-0. 81304	0. 65	0. 819	#####	M2	TUBA1A
MS4A6A. 5	#####	0. 591041	0. 747	0. 312	#####	M2	MS4A6A
LGALS9. 5	#####	0. 668967	0. 589	0. 215	#####	M2	LGALS9
TSPO. 4	#####	0. 530364	0. 861	0. 576	#####	M2	TSPO
F13A1. 2	#####	0. 620558	0. 461	0. 137	#####	M2	F13A1
FCN1. 1	#####	0. 402473	0. 088	0. 004	#####	M2	FCN1
RHOG. 5	#####	0. 67757	0. 741	0. 386	#####	M2	RHOG
METRNL. 5	#####	0. 770398	0. 3	0. 067	#####	M2	METRNL
DOK2. 4	#####	0. 584579	0. 241	0. 042	#####	M2	DOK2
CORO1A. 5	#####	0. 648226	0. 742	0. 346	#####	M2	CORO1A
RAC2. 5	#####	0. 709091	0. 379	0. 1	#####	M2	RAC2
HLA-DRB1.	#####	0. 479728	0. 966	0. 502	#####	M2	HLA-DRB1
ATF5. 4	#####	0. 864158	0. 478	0. 173	#####	M2	ATF5
TMEM176B.	#####	0. 665918	0. 709	0. 327	#####	M2	TMEM176B
SLA. 5	#####	0. 685666	0. 527	0. 179	#####	M2	SLA
CREM. 5	#####	0. 696169	0. 723	0. 384	#####	M2	CREM
FCGR1A. 5	#####	0. 610255	0. 631	0. 232	#####	M2	FCGR1A
CD300E. 1	#####	0. 425797	0. 089	0. 004	#####	M2	CD300E

GOS2. 4	#####	0.824112	0.471	0.164	#####	M2	GOS2
NPL. 4	#####	0.733171	0.502	0.179	#####	M2	NPL
TUBB2B. 4	#####	-1.28278	0.19	0.581	#####	M2	TUBB2B
CCL3. 5	#####	0.597125	0.78	0.397	#####	M2	CCL3
ETS2. 5	#####	0.71306	0.512	0.185	#####	M2	ETS2
SDS. 5	#####	0.80652	0.241	0.046	#####	M2	SDS
CXCL1	#####	0.470982	0.088	0.004	#####	M2	CXCL1
CD4. 5	#####	0.662518	0.442	0.135	#####	M2	CD4
CD37. 5	#####	0.583955	0.687	0.273	#####	M2	CD37
PRR13. 3	#####	0.538032	0.82	0.523	#####	M2	PRR13
THEMIS2. 5	#####	0.65822	0.567	0.219	#####	M2	THEMIS2
FAM26F. 5	#####	0.655489	0.457	0.146	#####	M2	FAM26F
HLA-DPB1.	#####	0.491502	0.902	0.465	#####	M2	HLA-DPB1
PTPN6. 5	#####	0.661839	0.448	0.141	#####	M2	PTPN6
IL1RN. 5	#####	0.722373	0.276	0.061	#####	M2	IL1RN
HCLS1. 5	#####	0.595765	0.663	0.264	#####	M2	HCLS1
ALOX5. 5	#####	0.61214	0.407	0.119	#####	M2	ALOX5
FPR3. 5	#####	0.541217	0.234	0.044	#####	M2	FPR3
RP11-742E	#####	0.576703	0.162	0.021	#####	M2	RP11-742B18. 1
LIMS1. 5	#####	0.641631	0.718	0.42	#####	M2	LIMS1
MAP1B. 4	#####	-1.16964	0.147	0.562	#####	M2	MAP1B
BCL2A1. 5	#####	0.645895	0.437	0.137	#####	M2	BCL2A1
SH3BGRL3.	#####	0.348029	0.983	0.762	#####	M2	SH3BGRL3
SLC2A3. 4	#####	0.77753	0.55	0.233	#####	M2	SLC2A3
SOX2. 5	#####	-1.23575	0.046	0.457	#####	M2	SOX2
CD300C. 5	#####	0.638221	0.258	0.054	#####	M2	CD300C
GPX1. 5	#####	0.316235	0.978	0.802	#####	M2	GPX1
SLC02B1. 4	#####	0.627701	0.54	0.198	#####	M2	SLC02B1
IER3. 5	#####	0.692801	0.556	0.219	#####	M2	IER3
SAT1. 4	#####	0.324306	0.999	0.789	#####	M2	SAT1
CLEC2B. 5	#####	0.605016	0.506	0.183	#####	M2	CLEC2B
MAPK13. 2	#####	0.478328	0.16	0.021	#####	M2	MAPK13
CFD. 5	#####	0.683775	0.428	0.137	#####	M2	CFD
ADORA3. 5	#####	0.61029	0.603	0.236	#####	M2	ADORA3
TNFSF13B.	#####	0.644222	0.501	0.182	#####	M2	TNFSF13B
ITGAM. 5	#####	0.569863	0.275	0.061	#####	M2	ITGAM
MGAT1. 5	#####	0.708882	0.642	0.337	#####	M2	MGAT1
CSF1R. 5	#####	0.583192	0.619	0.243	#####	M2	CSF1R
RAB20. 5	#####	0.695218	0.536	0.215	#####	M2	RAB20
PAPSS2. 2	#####	0.407759	0.133	0.015	2.44E-99	M2	PAPSS2
ARPC3. 3	#####	0.325811	0.967	0.793	2.18E-98	M2	ARPC3
IL2RA. 3	#####	0.535213	0.162	0.023	1.42E-97	M2	IL2RA
OSCAR. 5	#####	0.581966	0.262	0.059	2.57E-97	M2	OSCAR
ARRB2. 5	#####	0.609052	0.697	0.379	4.76E-97	M2	ARRB2
OSTF1. 5	#####	0.658248	0.599	0.269	9.39E-97	M2	OSTF1
FUOM. 5	#####	0.743497	0.386	0.123	1.06E-96	M2	FUOM
TNFRSF1B.	1.62E-99	0.658728	0.471	0.168	2.42E-95	M2	TNFRSF1B
PFN2. 4	1.78E-99	-1.08217	0.056	0.461	2.66E-95	M2	PFN2
FEZ1. 4	1.99E-99	-1.05926	0.056	0.456	2.98E-95	M2	FEZ1
CNN3. 5	1.32E-98	-1.14926	0.103	0.494	1.98E-94	M2	CNN3
TBXAS1. 5	1.78E-98	0.573809	0.563	0.218	2.66E-94	M2	TBXAS1

SGK1. 5	2. 03E-98	0. 540909	0. 768	0. 413	3. 03E-94 M2	SGK1
HLA-DMA. 5	5. 46E-98	0. 48303	0. 794	0. 381	8. 16E-94 M2	HLA-DMA
C1orf61. 5	6. 34E-98	-1. 11608	0. 192	0. 559	9. 48E-94 M2	C1orf61
TCIRG1. 5	6. 48E-98	0. 609931	0. 361	0. 109	9. 68E-94 M2	TCIRG1
MDK. 4	1. 87E-97	-1. 11765	0. 124	0. 517	2. 79E-93 M2	MDK
CD33. 5	2. 00E-97	0. 652592	0. 354	0. 103	3. 00E-93 M2	CD33
CAPZB. 4	2. 08E-97	0. 391685	0. 889	0. 688	3. 11E-93 M2	CAPZB
HLA-E. 5	8. 44E-97	0. 43229	0. 897	0. 575	1. 26E-92 M2	HLA-E
IRAK3. 5	1. 69E-96	0. 555104	0. 262	0. 06	2. 53E-92 M2	IRAK3
CCL20. 4	3. 82E-96	0. 706583	0. 23	0. 049	5. 71E-92 M2	CCL20
NINJ1. 5	4. 86E-96	0. 588816	0. 722	0. 432	7. 27E-92 M2	NINJ1
GLRX. 4	4. 95E-96	0. 568512	0. 691	0. 367	7. 39E-92 M2	GLRX
FXVD6. 5	1. 70E-95	-1. 06324	0. 095	0. 487	2. 55E-91 M2	FXVD6
CD44. 3	5. 05E-95	0. 468407	0. 697	0. 36	7. 54E-91 M2	CD44
CALD1. 4	5. 40E-95	-1. 03992	0. 051	0. 446	8. 07E-91 M2	CALD1
NOP10. 5	7. 83E-95	0. 459343	0. 822	0. 591	1. 17E-90 M2	NOP10
MARCKSL1. 7	0. 4E-94	-1. 08106	0. 234	0. 567	1. 05E-89 M2	MARCKSL1
SYNGR2. 5	1. 22E-93	0. 636829	0. 616	0. 307	1. 82E-89 M2	SYNGR2
KCNAB2. 4	1. 54E-93	0. 652709	0. 261	0. 063	2. 30E-89 M2	KCNAB2
ST14. 5	1. 92E-93	0. 582795	0. 255	0. 06	2. 86E-89 M2	ST14
NR4A2. 5	1. 06E-92	0. 619212	0. 557	0. 23	1. 58E-88 M2	NR4A2
GPM6A. 4	1. 09E-92	-0. 95563	0. 132	0. 531	1. 63E-88 M2	GPM6A
SLC2A5. 5	1. 18E-92	0. 63648	0. 436	0. 152	1. 76E-88 M2	SLC2A5
PTN. 5	1. 21E-92	-1. 04747	0. 294	0. 639	1. 81E-88 M2	PTN
RGS2. 4	1. 48E-92	0. 476889	0. 769	0. 422	2. 21E-88 M2	RGS2
HAVCR2. 5	7. 22E-92	0. 546085	0. 543	0. 209	1. 08E-87 M2	HAVCR2
FOLR2. 5	4. 26E-91	0. 59041	0. 448	0. 158	6. 36E-87 M2	FOLR2
MSR1. 5	4. 55E-91	0. 583606	0. 452	0. 161	6. 80E-87 M2	MSR1
CDCP1. 3	1. 67E-90	0. 46498	0. 158	0. 025	2. 49E-86 M2	CDCP1
UCHL1. 3	2. 20E-90	-1. 07929	0. 082	0. 461	3. 28E-86 M2	UCHL1
FGR. 5	4. 36E-90	0. 571654	0. 275	0. 069	6. 51E-86 M2	FGR
HLA-DPA1. 1	1. 12E-89	0. 396961	0. 916	0. 506	1. 68E-85 M2	HLA-DPA1
GK. 5	1. 22E-89	0. 657909	0. 364	0. 122	1. 82E-85 M2	GK
OLR1. 5	1. 36E-89	0. 534956	0. 567	0. 228	2. 04E-85 M2	OLR1
PGK1. 2	1. 89E-89	0. 329787	0. 935	0. 741	2. 82E-85 M2	PGK1
DUSP23. 4	2. 41E-88	0. 607147	0. 453	0. 169	3. 60E-84 M2	DUSP23
PCSK1N. 4	9. 60E-88	-1. 0829	0. 087	0. 444	1. 43E-83 M2	PCSK1N
CPVL. 5	1. 45E-87	0. 541968	0. 658	0. 327	2. 16E-83 M2	CPVL
LGALS1. 4	2. 46E-87	0. 337234	0. 981	0. 684	3. 67E-83 M2	LGALS1
PSAP. 3	5. 59E-87	0. 278418	0. 964	0. 808	8. 36E-83 M2	PSAP
PARVB. 5	8. 61E-87	0. 714074	0. 392	0. 148	1. 29E-82 M2	PARVB
BLVRB. 3	9. 78E-87	0. 591122	0. 636	0. 355	1. 46E-82 M2	BLVRB
GCHFR. 4	1. 45E-86	0. 685662	0. 252	0. 064	2. 17E-82 M2	GCHFR
HCK. 5	7. 98E-86	0. 591971	0. 421	0. 149	1. 19E-81 M2	HCK
PLEK. 5	1. 61E-85	0. 550586	0. 436	0. 156	2. 41E-81 M2	PLEK
HSD17B11. 1	1. 05E-84	0. 572966	0. 656	0. 357	1. 56E-80 M2	HSD17B11
KLF6. 4	4. 18E-84	0. 457949	0. 811	0. 511	6. 25E-80 M2	KLF6
LILRB4. 5	1. 30E-83	0. 509284	0. 567	0. 233	1. 94E-79 M2	LILRB4
P4HA1. 1	1. 33E-83	0. 702755	0. 461	0. 207	1. 99E-79 M2	P4HA1
EPB41L3. 5	2. 94E-83	0. 574925	0. 308	0. 091	4. 39E-79 M2	EPB41L3
ANG. 3	5. 07E-83	0. 638128	0. 264	0. 071	7. 58E-79 M2	ANG

EVI2B. 5	5. 44E-83	0. 5146	0. 481	0. 183	8. 13E-79 M2	EVI2B
ADAP2. 5	7. 04E-83	0. 560578	0. 446	0. 165	1. 05E-78 M2	ADAP2
NFIB. 5	8. 89E-83	-1. 03015	0. 049	0. 401	1. 33E-78 M2	NFIB
TSC22D1. 4	9. 63E-83	-0. 89521	0. 178	0. 536	1. 44E-78 M2	TSC22D1
RAB13. 4	2. 13E-82	0. 54642	0. 633	0. 353	3. 18E-78 M2	RAB13
CLEC7A. 5	2. 33E-82	0. 543404	0. 433	0. 157	3. 49E-78 M2	CLEC7A
C4orf3. 3	2. 49E-82	0. 377708	0. 829	0. 633	3. 72E-78 M2	C4orf3
ELL2. 4	2. 87E-82	0. 623173	0. 441	0. 175	4. 28E-78 M2	ELL2
TPM3. 5	3. 19E-82	0. 490335	0. 755	0. 544	4. 77E-78 M2	TPM3
RHOA. 3	1. 02E-81	0. 313022	0. 918	0. 743	1. 52E-77 M2	RHOA
SYK. 5	1. 50E-81	0. 560805	0. 309	0. 091	2. 24E-77 M2	SYK
RNF149. 5	1. 08E-80	0. 618655	0. 535	0. 252	1. 62E-76 M2	RNF149
BCAP31. 2	1. 10E-80	0. 431513	0. 807	0. 605	1. 65E-76 M2	BCAP31
CXCL16. 5	1. 91E-80	0. 538627	0. 708	0. 435	2. 86E-76 M2	CXCL16
C10orf54. 2	0. 7E-80	0. 509575	0. 609	0. 265	3. 09E-76 M2	C10orf54
ARPC2. 4	3. 86E-80	0. 289709	0. 917	0. 763	5. 77E-76 M2	ARPC2
FHL1. 5	4. 08E-80	-0. 85814	0. 032	0. 38	6. 09E-76 M2	FHL1
ZNF667-AS	4. 56E-80	-0. 83934	0. 052	0. 412	6. 81E-76 M2	ZNF667-AS1
GLUL. 2	4. 82E-80	0. 243776	0. 959	0. 774	7. 21E-76 M2	GLUL
IFITM2. 5	1. 86E-79	0. 617609	0. 559	0. 263	2. 77E-75 M2	IFITM2
APOC2. 4	2. 60E-79	0. 630195	0. 444	0. 171	3. 88E-75 M2	APOC2
SIGLEC9. 5	2. 80E-79	0. 561309	0. 281	0. 079	4. 19E-75 M2	SIGLEC9
MEI1	6. 25E-79	0. 371977	0. 105	0. 012	9. 34E-75 M2	MEI1
P4HB. 2	9. 01E-79	0. 456421	0. 747	0. 559	1. 35E-74 M2	P4HB
HLA-DRA. 4	9. 81E-79	0. 301578	0. 974	0. 609	1. 47E-74 M2	HLA-DRA
APLP2. 5	1. 05E-78	0. 455781	0. 779	0. 58	1. 57E-74 M2	APLP2
SLC25A19. 1	4. 9E-78	0. 646797	0. 395	0. 153	2. 23E-74 M2	SLC25A19
LRRC25. 5	2. 87E-78	0. 540223	0. 28	0. 079	4. 28E-74 M2	LRRC25
NCAM1. 5	4. 24E-77	-0. 85875	0. 024	0. 357	6. 34E-73 M2	NCAM1
NFIX. 4	4. 29E-77	-0. 8386	0. 023	0. 354	6. 41E-73 M2	NFIX
FAH. 4	6. 02E-77	0. 683284	0. 373	0. 142	8. 99E-73 M2	FAH
MAP2. 5	7. 43E-77	-0. 86475	0. 028	0. 36	1. 11E-72 M2	MAP2
NKG7. 3	7. 63E-77	0. 486017	0. 189	0. 04	1. 14E-72 M2	NKG7
C3AR1. 5	1. 44E-76	0. 449758	0. 533	0. 217	2. 15E-72 M2	C3AR1
COTL1. 5	5. 25E-76	0. 512315	0. 723	0. 494	7. 84E-72 M2	COTL1
FES. 5	1. 34E-75	0. 565893	0. 249	0. 067	2. 00E-71 M2	FES
SOX4. 4	2. 89E-75	-1. 08749	0. 139	0. 467	4. 32E-71 M2	SOX4
ACSL1. 5	2. 91E-75	0. 584541	0. 478	0. 209	4. 35E-71 M2	ACSL1
UCP2. 5	2. 96E-75	0. 541786	0. 545	0. 253	4. 43E-71 M2	UCP2
MFSD1. 5	3. 99E-75	0. 542499	0. 602	0. 325	5. 97E-71 M2	MFSD1
FN1. 3	1. 01E-74	0. 801134	0. 359	0. 14	1. 51E-70 M2	FN1
APLP1. 5	1. 35E-74	-0. 92314	0. 041	0. 374	2. 02E-70 M2	APLP1
C1orf54. 5	5. 62E-74	0. 608915	0. 467	0. 208	8. 39E-70 M2	C1orf54
COLEC12	6. 17E-74	0. 439592	0. 146	0. 026	9. 23E-70 M2	COLEC12
CD81. 4	6. 40E-74	0. 58496	0. 67	0. 422	9. 56E-70 M2	CD81
SCD5. 4	8. 22E-74	-0. 86246	0. 08	0. 417	1. 23E-69 M2	SCD5
SLC31A2. 5	9. 37E-74	0. 53534	0. 437	0. 175	1. 40E-69 M2	SLC31A2
VAMP2. 4	1. 03E-73	-0. 67072	0. 309	0. 645	1. 53E-69 M2	VAMP2
GSN. 4	1. 41E-73	0. 434989	0. 784	0. 49	2. 10E-69 M2	GSN
NCF1. 5	1. 65E-73	0. 579692	0. 326	0. 109	2. 46E-69 M2	NCF1
SPINT2. 5	1. 68E-73	0. 552777	0. 469	0. 198	2. 50E-69 M2	SPINT2

FABP7. 4	1. 85E-73	-1. 18607	0. 088	0. 404	2. 76E-69 M2	FABP7
ITGB5. 3	2. 21E-73	0. 536148	0. 198	0. 046	3. 31E-69 M2	ITGB5
CPE. 4	4. 18E-73	-0. 92013	0. 082	0. 412	6. 25E-69 M2	CPE
SGCB. 2	6. 08E-73	-0. 80527	0. 026	0. 347	9. 09E-69 M2	SGCB
RBP1. 3	6. 95E-73	-0. 94717	0. 157	0. 481	1. 04E-68 M2	RBP1
MEST. 4	7. 60E-73	-0. 87288	0. 078	0. 408	1. 14E-68 M2	MEST
ELAVL3. 5	1. 17E-72	-0. 82878	0. 015	0. 332	1. 74E-68 M2	ELAVL3
WAS. 5	1. 55E-72	0. 517509	0. 415	0. 157	2. 32E-68 M2	WAS
RIN3. 5	1. 72E-72	0. 520747	0. 313	0. 101	2. 56E-68 M2	RIN3
ATP6VOE2. 1	1. 75E-72	-0. 77587	0. 138	0. 475	2. 61E-68 M2	ATP6VOE2
PILRA. 5	1. 83E-72	0. 557488	0. 395	0. 148	2. 74E-68 M2	PILRA
LILRB2. 5	2. 18E-72	0. 493396	0. 193	0. 043	3. 26E-68 M2	LILRB2
CAMK2N1. 5	3. 19E-72	-0. 86299	0. 022	0. 338	4. 77E-68 M2	CAMK2N1
VKORC1. 1	7. 59E-72	0. 507022	0. 695	0. 482	1. 13E-67 M2	VKORC1
TMEM176A. 7	6. 64E-72	0. 608205	0. 469	0. 209	1. 14E-67 M2	TMEM176A
BEX1. 4	7. 96E-72	-0. 9646	0. 047	0. 373	1. 19E-67 M2	BEX1
MGAT4A. 5	8. 51E-72	0. 556049	0. 467	0. 203	1. 27E-67 M2	MGAT4A
LINC01094	1. 06E-71	0. 497304	0. 377	0. 138	1. 58E-67 M2	LINC01094
SDC2. 4	1. 10E-71	0. 723732	0. 405	0. 177	1. 65E-67 M2	SDC2
LINC00461	1. 19E-71	-0. 83465	0. 024	0. 342	1. 77E-67 M2	LINC00461
PLSCR1. 5	1. 35E-71	0. 539599	0. 613	0. 341	2. 01E-67 M2	PLSCR1
ZBTB20. 4	1. 74E-71	-0. 77009	0. 072	0. 408	2. 59E-67 M2	ZBTB20
RILPL2. 5	1. 77E-71	0. 57329	0. 507	0. 241	2. 64E-67 M2	RILPL2
CIB1. 4	3. 35E-71	0. 458565	0. 711	0. 477	5. 00E-67 M2	CIB1
MLLT11. 3	3. 50E-71	-0. 86403	0. 135	0. 477	5. 23E-67 M2	MLLT11
MMP14. 3	3. 57E-71	0. 695017	0. 439	0. 206	5. 34E-67 M2	MMP14
NFIA. 4	2. 47E-70	-0. 844	0. 074	0. 401	3. 69E-66 M2	NFIA
TCEAL7. 3	2. 51E-70	-0. 89665	0. 015	0. 323	3. 75E-66 M2	TCEAL7
IL10. 5	1. 00E-69	0. 614103	0. 292	0. 093	1. 50E-65 M2	IL10
CYBB. 5	1. 27E-69	0. 536965	0. 437	0. 174	1. 90E-65 M2	CYBB
CREG1. 5	1. 76E-69	0. 562375	0. 535	0. 28	2. 64E-65 M2	CREG1
NGFRAP1. 4	7. 86E-69	-0. 72803	0. 367	0. 664	1. 17E-64 M2	NGFRAP1
TWF2. 5	1. 91E-68	0. 574868	0. 562	0. 325	2. 85E-64 M2	TWF2
NANS. 5	2. 01E-68	0. 531779	0. 596	0. 343	3. 01E-64 M2	NANS
TAGLN2. 5	2. 22E-68	0. 375461	0. 775	0. 496	3. 31E-64 M2	TAGLN2
ATP6VOE1. 2	4. 1E-68	0. 253107	0. 921	0. 749	3. 60E-64 M2	ATP6VOE1
GOLM1. 4	4. 26E-68	-0. 75485	0. 031	0. 336	6. 36E-64 M2	GOLM1
KLF4. 5	4. 76E-68	0. 553853	0. 447	0. 189	7. 12E-64 M2	KLF4
DOK3. 5	4. 78E-68	0. 470111	0. 213	0. 055	7. 15E-64 M2	DOK3
CD83. 5	7. 81E-68	0. 491593	0. 57	0. 275	1. 17E-63 M2	CD83
ADM. 4	9. 46E-68	0. 596999	0. 404	0. 169	1. 41E-63 M2	ADM
KIF21A. 5	1. 19E-67	-0. 77413	0. 023	0. 322	1. 78E-63 M2	KIF21A
LITAF. 5	1. 21E-67	0. 461188	0. 697	0. 442	1. 80E-63 M2	LITAF
NCKAP1L. 5	3. 92E-67	0. 503001	0. 318	0. 108	5. 85E-63 M2	NCKAP1L
STMN3. 3	4. 75E-67	-0. 72846	0. 026	0. 327	7. 10E-63 M2	STMN3
DOCK8. 5	5. 15E-67	0. 485	0. 318	0. 107	7. 70E-63 M2	DOCK8
LAPTM4B. 5	6. 84E-67	-0. 74213	0. 042	0. 352	1. 02E-62 M2	LAPTM4B
MNDA. 5	7. 04E-67	0. 492409	0. 415	0. 16	1. 05E-62 M2	MNDA
CD74. 4	9. 37E-67	0. 249487	0. 992	0. 734	1. 40E-62 M2	CD74
BAALC. 4	9. 84E-67	-0. 81857	0. 055	0. 366	1. 47E-62 M2	BAALC
TMSB4X. 5	9. 91E-67	-0. 35784	1	0. 996	1. 48E-62 M2	TMSB4X

PLP2. 4	1. 62E-66	0. 518748	0. 571	0. 328	2. 42E-62 M2	PLP2
PMP2. 5	1. 79E-66	-1. 04658	0. 069	0. 37	2. 67E-62 M2	PMP2
LDHA. 3	2. 21E-66	0. 214393	0. 964	0. 752	3. 30E-62 M2	LDHA
SLC25A4. 5	2. 74E-66	-0. 73219	0. 119	0. 448	4. 10E-62 M2	SLC25A4
GPR84. 5	3. 08E-66	0. 448984	0. 23	0. 062	4. 61E-62 M2	GPR84
CR1	3. 33E-66	0. 29606	0. 072	0. 006	4. 98E-62 M2	CR1
S100A6. 5	3. 89E-66	0. 220776	0. 894	0. 626	5. 81E-62 M2	S100A6
NFKBIA. 4	4. 04E-66	0. 48118	0. 718	0. 484	6. 04E-62 M2	NFKBIA
NUP214. 4	4. 70E-66	0. 649043	0. 405	0. 18	7. 03E-62 M2	NUP214
CRIP2. 3	5. 08E-66	-0. 75726	0. 031	0. 334	7. 59E-62 M2	CRIP2
RAP1A. 5	5. 26E-66	0. 46746	0. 711	0. 502	7. 86E-62 M2	RAP1A
MYO1F. 5	5. 81E-66	0. 496368	0. 416	0. 167	8. 68E-62 M2	MYO1F
RENBP. 5	7. 91E-66	0. 518977	0. 335	0. 121	1. 18E-61 M2	RENBP
PTAFR. 5	8. 73E-66	0. 484608	0. 323	0. 111	1. 30E-61 M2	PTAFR
PTPRZ1. 5	1. 00E-65	-0. 86125	0. 091	0. 405	1. 50E-61 M2	PTPRZ1
PODXL2. 5	1. 17E-65	-0. 75001	0. 029	0. 328	1. 74E-61 M2	PODXL2
HLA-DQB1. 1	1. 96E-65	0. 432544	0. 631	0. 304	2. 92E-61 M2	HLA-DQB1
RNF181. 1	2. 75E-65	0. 430138	0. 731	0. 542	4. 12E-61 M2	RNF181
PTPRC. 5	3. 55E-65	0. 456924	0. 456	0. 185	5. 31E-61 M2	PTPRC
ITGB7. 3	5. 76E-65	0. 326943	0. 117	0. 019	8. 60E-61 M2	ITGB7
CYTH4. 5	6. 62E-65	0. 505317	0. 299	0. 099	9. 89E-61 M2	CYTH4
RAMP1. 4	1. 45E-64	-1. 00956	0. 112	0. 433	2. 16E-60 M2	RAMP1
ATP6VOB. 5	2. 39E-64	0. 263693	0. 92	0. 789	3. 57E-60 M2	ATP6VOB
ACVRL1	2. 45E-64	0. 262112	0. 07	0. 006	3. 67E-60 M2	ACVRL1
TPP1. 5	2. 70E-64	0. 57457	0. 545	0. 307	4. 04E-60 M2	TPP1
CCR1. 4	6. 95E-64	0. 473782	0. 241	0. 07	1. 04E-59 M2	CCR1
FYN. 4	8. 77E-64	-0. 74402	0. 047	0. 346	1. 31E-59 M2	FYN
LYN. 5	9. 19E-64	0. 535397	0. 387	0. 159	1. 37E-59 M2	LYN
SPCS3. 5	9. 44E-64	0. 612612	0. 533	0. 311	1. 41E-59 M2	SPCS3
CDH2. 4	1. 35E-63	-0. 70475	0. 017	0. 303	2. 01E-59 M2	CDH2
TNFRSF14. 1	1. 39E-63	0. 489222	0. 298	0. 102	2. 07E-59 M2	TNFRSF14
ARHGAP30. 1	1. 78E-63	0. 445013	0. 266	0. 082	2. 66E-59 M2	ARHGAP30
C16orf45. 2	2. 81E-63	-0. 71966	0. 041	0. 338	4. 19E-59 M2	C16orf45
CEBPB. 5	3. 71E-63	0. 506035	0. 655	0. 419	5. 55E-59 M2	CEBPB
DBN1. 5	3. 80E-63	-0. 73679	0. 037	0. 331	5. 68E-59 M2	DBN1
HK3. 3	7. 67E-63	0. 327134	0. 115	0. 019	1. 15E-58 M2	HK3
SLC7A8. 1	7. 96E-63	0. 39156	0. 162	0. 035	1. 19E-58 M2	SLC7A8
IGFBP2. 4	8. 05E-63	-0. 96871	0. 105	0. 393	1. 20E-58 M2	IGFBP2
KCNN4. 2	1. 19E-62	0. 327565	0. 135	0. 025	1. 77E-58 M2	KCNN4
MEG3. 4	1. 23E-62	-0. 99681	0. 034	0. 324	1. 84E-58 M2	MEG3
SPP1. 3	2. 16E-62	0. 178419	0. 983	0. 844	3. 23E-58 M2	SPP1
DSE. 5	2. 81E-62	0. 488876	0. 333	0. 124	4. 21E-58 M2	DSE
TNFAIP3. 5	2. 96E-62	0. 540328	0. 372	0. 148	4. 42E-58 M2	TNFAIP3
MAFB. 4	4. 17E-62	0. 502905	0. 566	0. 296	6. 23E-58 M2	MAFB
SDCBP. 3	9. 38E-62	0. 282365	0. 867	0. 718	1. 40E-57 M2	SDCBP
SOD2. 3	9. 44E-62	0. 261216	0. 784	0. 518	1. 41E-57 M2	SOD2
RNF144B. 4	1. 09E-61	0. 473127	0. 271	0. 086	1. 63E-57 M2	RNF144B
FYB. 5	1. 21E-61	0. 468601	0. 475	0. 205	1. 81E-57 M2	FYB
MCL1. 5	1. 54E-61	0. 398668	0. 774	0. 586	2. 30E-57 M2	MCL1
CRYAB. 5	1. 58E-61	-1. 07239	0. 204	0. 521	2. 37E-57 M2	CRYAB
NLRP1. 4	2. 00E-61	-0. 72498	0. 06	0. 358	3. 00E-57 M2	NLRP1

LPXN. 5	4. 83E-61	0. 506904	0. 286	0. 098	7. 22E-57 M2	LPXN
DPYSL3. 4	1. 08E-60	-0. 72338	0. 05	0. 341	1. 61E-56 M2	DPYSL3
EEF1B2. 4	1. 11E-60	0. 23866	0. 907	0. 767	1. 66E-56 M2	EEF1B2
PARVG. 5	1. 27E-60	0. 507425	0. 372	0. 147	1. 90E-56 M2	PARVG
GYPC. 5	1. 57E-60	0. 515174	0. 547	0. 293	2. 35E-56 M2	GYPC
GBGT1. 5	1. 61E-60	0. 445231	0. 172	0. 041	2. 40E-56 M2	GBGT1
GALM. 4	2. 16E-60	0. 580248	0. 301	0. 112	3. 22E-56 M2	GALM
ASAH1. 4	2. 32E-60	0. 330543	0. 799	0. 641	3. 47E-56 M2	ASAH1
ODF3B. 5	3. 37E-60	0. 511265	0. 255	0. 082	5. 03E-56 M2	ODF3B
KIF5C. 5	3. 86E-60	-0. 70609	0. 014	0. 286	5. 76E-56 M2	KIF5C
MSI2. 3	4. 45E-60	-0. 72593	0. 051	0. 341	6. 64E-56 M2	MSI2
CARD16. 3	1. 05E-59	0. 498654	0. 461	0. 213	1. 57E-55 M2	CARD16
DDR1. 4	1. 15E-59	-0. 68592	0. 06	0. 351	1. 72E-55 M2	DDR1
IFNGR1. 5	1. 22E-59	0. 429715	0. 672	0. 42	1. 83E-55 M2	IFNGR1
TCF4. 5	1. 32E-59	-0. 66718	0. 244	0. 543	1. 97E-55 M2	TCF4
LY96. 5	1. 33E-59	0. 529857	0. 432	0. 208	1. 99E-55 M2	LY96
BST2. 4	1. 96E-59	0. 345029	0. 782	0. 465	2. 93E-55 M2	BST2
SIGLEC1. 2	2. 11E-59	0. 391708	0. 123	0. 022	3. 16E-55 M2	SIGLEC1
APOBR. 4	2. 13E-59	0. 411987	0. 144	0. 03	3. 18E-55 M2	APOBR
MAPT. 5	2. 14E-59	-0. 72378	0. 026	0. 303	3. 19E-55 M2	MAPT
TSPAN7. 3	4. 18E-59	-0. 77303	0. 043	0. 329	6. 25E-55 M2	TSPAN7
TIMP1. 4	6. 19E-59	0. 155201	0. 89	0. 601	9. 26E-55 M2	TIMP1
FRMD4B. 5	1. 35E-58	0. 534381	0. 358	0. 145	2. 02E-54 M2	FRMD4B
ZNF331. 5	3. 18E-58	0. 521664	0. 55	0. 299	4. 76E-54 M2	ZNF331
MT3. 5	3. 39E-58	-1. 00853	0. 221	0. 509	5. 07E-54 M2	MT3
MPEG1. 4	4. 29E-58	0. 388673	0. 153	0. 034	6. 42E-54 M2	MPEG1
SOX11. 4	4. 75E-58	-0. 83204	0. 022	0. 29	7. 09E-54 M2	SOX11
C7orf55. 4	5. 83E-58	-0. 66933	0. 133	0. 444	8. 71E-54 M2	C7orf55
HBEGF. 5	9. 59E-58	0. 571951	0. 43	0. 2	1. 43E-53 M2	HBEGF
TSPAN5. 5	1. 07E-57	-0. 65488	0. 015	0. 28	1. 59E-53 M2	TSPAN5
SCG5. 4	1. 20E-57	-0. 77943	0. 059	0. 347	1. 79E-53 M2	SCG5
IL13RA1. 5	1. 26E-57	0. 529675	0. 466	0. 234	1. 89E-53 M2	IL13RA1
PLXDC2. 5	1. 61E-57	0. 417691	0. 447	0. 192	2. 40E-53 M2	PLXDC2
CFL2. 4	1. 76E-57	-0. 70584	0. 06	0. 347	2. 63E-53 M2	CFL2
FZD3. 2	2. 01E-57	-0. 63924	0. 023	0. 294	3. 01E-53 M2	FZD3
GRB2. 5	2. 91E-57	0. 490387	0. 64	0. 469	4. 35E-53 M2	GRB2
SLAMF8. 5	3. 03E-57	0. 392519	0. 198	0. 054	4. 53E-53 M2	SLAMF8
GAP43. 5	3. 44E-57	-0. 94674	0. 209	0. 485	5. 14E-53 M2	GAP43
CD52. 4	4. 53E-57	0. 444148	0. 175	0. 043	6. 78E-53 M2	CD52
SEZ6L2. 4	6. 13E-57	-0. 69487	0. 026	0. 291	9. 16E-53 M2	SEZ6L2
LIPA. 5	6. 53E-57	0. 476024	0. 557	0. 318	9. 75E-53 M2	LIPA
CD40. 5	8. 94E-57	0. 409773	0. 204	0. 057	1. 34E-52 M2	CD40
ENAH. 4	9. 86E-57	-0. 62901	0. 019	0. 281	1. 47E-52 M2	ENAH
ACP5. 4	1. 12E-56	0. 433223	0. 163	0. 039	1. 67E-52 M2	ACP5
LIMA1. 4	1. 17E-56	-0. 69788	0. 06	0. 336	1. 74E-52 M2	LIMA1
ITM2C. 5	1. 17E-56	-0. 70123	0. 132	0. 438	1. 75E-52 M2	ITM2C
ATAT1. 5	1. 55E-56	-0. 66559	0. 036	0. 307	2. 32E-52 M2	ATAT1
ACTB. 5	1. 62E-56	-0. 32395	0. 996	0. 992	2. 43E-52 M2	ACTB
ANAPC16. 3	2. 07E-56	0. 397769	0. 71	0. 512	3. 09E-52 M2	ANAPC16
CSRP2. 3	2. 11E-56	-0. 93575	0. 045	0. 32	3. 15E-52 M2	CSRP2
SCG3. 5	2. 31E-56	-0. 82451	0. 022	0. 284	3. 45E-52 M2	SCG3



HEXA. 4	2. 69E-56	0. 50447	0. 589	0. 375	4. 02E-52 M2	HEXA
SLC22A17.	2. 77E-56	-0. 64858	0. 032	0. 302	4. 14E-52 M2	SLC22A17
CENPV. 5	2. 95E-56	-0. 68442	0. 014	0. 272	4. 41E-52 M2	CENPV
RASGEF1B.	5. 61E-56	0. 46243	0. 299	0. 108	8. 38E-52 M2	RASGEF1B
NPDC1. 4	8. 34E-56	-0. 65533	0. 064	0. 342	1. 25E-51 M2	NPDC1
IL18. 5	1. 16E-55	0. 428096	0. 418	0. 177	1. 73E-51 M2	IL18
FURIN. 3	1. 58E-55	0. 551947	0. 206	0. 062	2. 36E-51 M2	FURIN
MUM1. 5	1. 91E-55	-0. 60837	0. 091	0. 383	2. 86E-51 M2	MUM1
PSTPIP1. 4	2. 36E-55	0. 398602	0. 148	0. 033	3. 52E-51 M2	PSTPIP1
MAGEF1. 4	4. 97E-55	-0. 58027	0. 091	0. 383	7. 43E-51 M2	MAGEF1
TRPV2. 5	8. 14E-55	0. 400447	0. 185	0. 05	1. 22E-50 M2	TRPV2
HEXB. 5	1. 12E-54	0. 509367	0. 591	0. 392	1. 67E-50 M2	HEXB
TSPAN4. 1	1. 16E-54	0. 655423	0. 356	0. 168	1. 74E-50 M2	TSPAN4
FAM229B. 4	1. 18E-54	-0. 65986	0. 041	0. 31	1. 76E-50 M2	FAM229B
RBM47. 5	1. 25E-54	0. 50664	0. 282	0. 105	1. 86E-50 M2	RBM47
NES. 5	1. 32E-54	-0. 8213	0. 037	0. 293	1. 97E-50 M2	NES
SYT11. 5	1. 60E-54	-0. 63118	0. 112	0. 403	2. 38E-50 M2	SYT11
DOCK2. 5	1. 64E-54	0. 434719	0. 221	0. 067	2. 46E-50 M2	DOCK2
SCRG1. 4	1. 75E-54	-0. 81251	0. 088	0. 364	2. 61E-50 M2	SCRG1
SOX9. 4	2. 56E-54	-0. 7666	0. 034	0. 288	3. 82E-50 M2	SOX9
PPP1CA. 4	3. 14E-54	0. 365078	0. 728	0. 56	4. 70E-50 M2	PPP1CA
TNFSF15	4. 44E-54	0. 277411	0. 069	0. 008	6. 64E-50 M2	TNFSF15
PKM. 4	5. 25E-54	0. 182813	0. 94	0. 758	7. 84E-50 M2	PKM
IL1B. 5	5. 63E-54	0. 522045	0. 437	0. 206	8. 41E-50 M2	IL1B
SAMHD1. 5	5. 91E-54	0. 525615	0. 419	0. 2	8. 83E-50 M2	SAMHD1
CD320. 3	7. 96E-54	-0. 61734	0. 061	0. 336	1. 19E-49 M2	CD320
MAP1LC3A.	1. 00E-53	-0. 63893	0. 107	0. 383	1. 49E-49 M2	MAP1LC3A
DNER. 3	1. 39E-53	-0. 77532	0. 038	0. 297	2. 07E-49 M2	DNER
TNFAIP8L2	1. 57E-53	0. 447339	0. 252	0. 083	2. 35E-49 M2	TNFAIP8L2
ENO1. 3	3. 91E-53	0. 187984	0. 948	0. 783	5. 84E-49 M2	ENO1
PCDH9. 3	7. 55E-53	-0. 75023	0. 019	0. 272	1. 13E-48 M2	PCDH9
LRRFIP1. 5	9. 81E-53	0. 569209	0. 54	0. 34	1. 47E-48 M2	LRRFIP1
SRI. 5	1. 14E-52	-0. 55955	0. 536	0. 743	1. 70E-48 M2	SRI
POLD4. 3	1. 94E-52	0. 434152	0. 623	0. 406	2. 90E-48 M2	POLD4
LMNA. 1	2. 24E-52	0. 483952	0. 594	0. 403	3. 35E-48 M2	LMNA
RUFY3. 4	2. 35E-52	-0. 58173	0. 055	0. 323	3. 51E-48 M2	RUFY3
SLC6A6. 1	2. 73E-52	0. 421811	0. 19	0. 054	4. 07E-48 M2	SLC6A6
SNAI1. 4	3. 07E-52	0. 39648	0. 153	0. 037	4. 59E-48 M2	SNAI1
CASP4. 5	4. 15E-52	0. 514235	0. 429	0. 213	6. 20E-48 M2	CASP4
GSTA4. 4	4. 15E-52	-0. 68783	0. 047	0. 307	6. 21E-48 M2	GSTA4
THY1. 4	4. 44E-52	-0. 69262	0. 024	0. 272	6. 64E-48 M2	THY1
KLHDC8A. 5	5. 76E-52	-0. 64903	0. 02	0. 267	8. 61E-48 M2	KLHDC8A
SPTBN1. 3	5. 95E-52	-0. 57038	0. 033	0. 292	8. 89E-48 M2	SPTBN1
ANXA11. 5	1. 02E-51	0. 504361	0. 416	0. 202	1. 53E-47 M2	ANXA11
BLOC1S1. 2	1. 03E-51	0. 309344	0. 791	0. 638	1. 54E-47 M2	BLOC1S1
RCN2. 4	1. 04E-51	-0. 58263	0. 209	0. 485	1. 55E-47 M2	RCN2
GPX3. 4	1. 08E-51	0. 601806	0. 327	0. 14	1. 61E-47 M2	GPX3
SCG2. 4	1. 17E-51	-0. 79411	0. 032	0. 278	1. 75E-47 M2	SCG2
ATP6V1F. 3	1. 29E-51	0. 21889	0. 913	0. 793	1. 92E-47 M2	ATP6V1F
RAB42. 3	1. 37E-51	0. 404114	0. 16	0. 041	2. 05E-47 M2	RAB42
STMN4. 4	1. 80E-51	-0. 94709	0. 066	0. 323	2. 69E-47 M2	STMN4

CNPY3. 5	1. 87E-51	0. 447035	0. 623	0. 397	2. 80E-47 M2	CNPY3
CADM4. 4	1. 96E-51	-0. 59034	0. 029	0. 28	2. 93E-47 M2	CADM4
TMEM59L. 4	3. 04E-51	-0. 58753	0. 026	0. 275	4. 55E-47 M2	TMEM59L
AC109826. 3	3. 15E-51	0. 356434	0. 135	0. 03	4. 70E-47 M2	AC109826. 1
MAGED1. 4	3. 21E-51	-0. 61185	0. 088	0. 363	4. 80E-47 M2	MAGED1
TCEA2. 4	4. 59E-51	-0. 60688	0. 111	0. 386	6. 86E-47 M2	TCEA2
SMCO4. 5	4. 64E-51	0. 488784	0. 304	0. 12	6. 93E-47 M2	SMCO4
TUBB2A. 4	5. 60E-51	-0. 67921	0. 231	0. 495	8. 37E-47 M2	TUBB2A
CHD7. 5	6. 04E-51	-0. 63375	0. 049	0. 306	9. 02E-47 M2	CHD7
LMO4. 5	6. 63E-51	-0. 60918	0. 218	0. 496	9. 90E-47 M2	LMO4
OLFML2B. 4	8. 87E-51	0. 395872	0. 199	0. 059	1. 33E-46 M2	OLFML2B
PTPRS. 5	1. 08E-50	-0. 63175	0. 027	0. 274	1. 61E-46 M2	PTPRS
P2RX4. 4	1. 08E-50	0. 503777	0. 359	0. 164	1. 62E-46 M2	P2RX4
CRMP1. 4	1. 47E-50	-0. 70052	0. 034	0. 282	2. 20E-46 M2	CRMP1
PKIG. 5	1. 89E-50	-0. 64241	0. 064	0. 328	2. 82E-46 M2	PKIG
TLR2. 5	2. 25E-50	0. 407708	0. 276	0. 099	3. 36E-46 M2	TLR2
KMO. 1	2. 57E-50	0. 306127	0. 088	0. 014	3. 84E-46 M2	KMO
RAB3IP. 3	2. 78E-50	-0. 71781	0. 022	0. 262	4. 16E-46 M2	RAB3IP
LHFP. 5	4. 12E-50	-0. 68251	0. 013	0. 247	6. 16E-46 M2	LHFP
NREP. 4	4. 77E-50	-0. 61277	0. 04	0. 289	7. 13E-46 M2	NREP
VCAN. 3	8. 01E-50	0. 725164	0. 409	0. 234	1. 20E-45 M2	VCAN
FAM49B. 5	1. 05E-49	0. 403005	0. 678	0. 494	1. 57E-45 M2	FAM49B
STMN1. 4	1. 24E-49	-0. 66491	0. 414	0. 646	1. 85E-45 M2	STMN1
PCBP4. 5	1. 27E-49	-0. 5952	0. 029	0. 272	1. 90E-45 M2	PCBP4
CRIP1. 3	2. 23E-49	0. 417543	0. 138	0. 032	3. 33E-45 M2	CRIP1
PLXND1. 4	2. 63E-49	0. 498429	0. 244	0. 088	3. 93E-45 M2	PLXND1
SERPINE2. 3	3. 15E-49	-0. 64754	0. 055	0. 31	4. 71E-45 M2	SERPINE2
BEX2. 4	3. 58E-49	-0. 80387	0. 032	0. 273	5. 35E-45 M2	BEX2
PSIP1. 5	4. 46E-49	-0. 59113	0. 128	0. 402	6. 66E-45 M2	PSIP1
SLC15A3. 4	5. 08E-49	0. 41428	0. 197	0. 06	7. 58E-45 M2	SLC15A3
SULT1A1. 3	5. 37E-49	0. 423518	0. 158	0. 042	8. 03E-45 M2	SULT1A1
ARHGAP4. 5	7. 39E-49	0. 434752	0. 278	0. 104	1. 10E-44 M2	ARHGAP4
PLEK2. 3	1. 01E-48	0. 281926	0. 101	0. 018	1. 50E-44 M2	PLEK2
S100A16. 4	1. 06E-48	-0. 89938	0. 073	0. 324	1. 58E-44 M2	S100A16
BCAN. 5	1. 31E-48	-0. 87331	0. 05	0. 292	1. 95E-44 M2	BCAN
RGCC. 4	1. 63E-48	0. 480496	0. 456	0. 235	2. 43E-44 M2	RGCC
MAP1A. 4	1. 63E-48	-0. 61933	0. 014	0. 245	2. 44E-44 M2	MAP1A
PNMA1. 4	1. 75E-48	-0. 55219	0. 051	0. 3	2. 61E-44 M2	PNMA1
PPP1R15A. 1	1. 79E-48	0. 432964	0. 659	0. 453	2. 67E-44 M2	PPP1R15A
PLEKH02. 5	2. 82E-48	0. 480524	0. 25	0. 092	4. 21E-44 M2	PLEKH02
UBE2D3. 4	3. 13E-48	0. 248566	0. 84	0. 72	4. 68E-44 M2	UBE2D3
ZNF385A. 5	5. 22E-48	0. 530523	0. 299	0. 125	7. 80E-44 M2	ZNF385A
TSPAN15. 4	6. 46E-48	0. 363824	0. 212	0. 068	9. 65E-44 M2	TSPAN15
TMEM98. 3	8. 02E-48	-0. 62193	0. 019	0. 25	1. 20E-43 M2	TMEM98
TOM1. 5	8. 44E-48	0. 546844	0. 327	0. 148	1. 26E-43 M2	TOM1
EIF4EBP1. 8	6. 68E-48	0. 506525	0. 59	0. 415	1. 30E-43 M2	EIF4EBP1
GCSH. 5	9. 63E-48	-0. 60175	0. 107	0. 364	1. 44E-43 M2	GCSH
TNS3. 4	9. 97E-48	0. 417572	0. 202	0. 064	1. 49E-43 M2	TNS3
TTYH1. 5	1. 01E-47	-0. 80507	0. 047	0. 284	1. 51E-43 M2	TTYH1
GPI. 2	1. 07E-47	0. 525259	0. 53	0. 344	1. 61E-43 M2	GPI
BNIP3L. 3	1. 18E-47	0. 366	0. 738	0. 589	1. 77E-43 M2	BNIP3L

PMP22. 4	1. 19E-47	0. 387938	0. 632	0. 413	1. 78E-43 M2	PMP22
PRAF2. 4	1. 32E-47	-0. 52476	0. 063	0. 319	1. 98E-43 M2	PRAF2
EGFR. 4	1. 66E-47	-0. 73606	0. 069	0. 317	2. 48E-43 M2	EGFR
PDK4. 4	1. 78E-47	0. 412954	0. 363	0. 156	2. 66E-43 M2	PDK4
RHOBTB3. 5	1. 90E-47	-0. 60144	0. 16	0. 426	2. 83E-43 M2	RHOBTB3
DHRS3. 3	2. 12E-47	0. 488255	0. 351	0. 158	3. 17E-43 M2	DHRS3
OTOA. 3	2. 19E-47	0. 310953	0. 119	0. 025	3. 27E-43 M2	OTOA
HEY1. 4	3. 76E-47	-0. 60204	0. 028	0. 262	5. 61E-43 M2	HEY1
RAB5C. 3	4. 12E-47	0. 297517	0. 769	0. 645	6. 15E-43 M2	RAB5C
HTATIP2. 5	4. 36E-47	0. 53717	0. 309	0. 135	6. 52E-43 M2	HTATIP2
SPINT1. 4	4. 76E-47	0. 303458	0. 123	0. 027	7. 11E-43 M2	SPINT1
CD55. 5	5. 99E-47	0. 39996	0. 281	0. 106	8. 95E-43 M2	CD55
IP6K2. 4	6. 32E-47	-0. 58203	0. 172	0. 453	9. 44E-43 M2	IP6K2
HES6. 4	6. 36E-47	-0. 74107	0. 059	0. 302	9. 51E-43 M2	HES6
CD164. 4	8. 38E-47	0. 397689	0. 651	0. 479	1. 25E-42 M2	CD164
ZFP36. 3	8. 62E-47	0. 238693	0. 851	0. 553	1. 29E-42 M2	ZFP36
AVPI1. 5	9. 94E-47	0. 488639	0. 234	0. 084	1. 48E-42 M2	AVPI1
POU3F2. 4	1. 00E-46	-0. 60607	0. 011	0. 231	1. 50E-42 M2	POU3F2
HPS1. 4	1. 03E-46	0. 413588	0. 267	0. 099	1. 54E-42 M2	HPS1
NBEAL1. 3	1. 09E-46	0. 261384	0. 844	0. 652	1. 63E-42 M2	NBEAL1
TNFRSF11A	1. 34E-46	0. 310108	0. 101	0. 019	2. 00E-42 M2	TNFRSF11A
TTL7. 5	1. 46E-46	-0. 56238	0. 022	0. 253	2. 18E-42 M2	TTL7
GPR34. 5	1. 69E-46	0. 337073	0. 515	0. 249	2. 52E-42 M2	GPR34
LCP2. 5	1. 75E-46	0. 450386	0. 272	0. 103	2. 61E-42 M2	LCP2
RP11-1008	1. 84E-46	0. 174315	0. 045	0. 003	2. 74E-42 M2	RP11-1008C21. 1
SIGLEC10.	1. 85E-46	0. 412111	0. 35	0. 148	2. 77E-42 M2	SIGLEC10
IL1R2. 3	1. 99E-46	0. 473492	0. 111	0. 023	2. 97E-42 M2	IL1R2
MERTK. 4	2. 04E-46	0. 454839	0. 285	0. 113	3. 05E-42 M2	MERTK
ACTR2. 5	2. 08E-46	0. 4438	0. 605	0. 448	3. 11E-42 M2	ACTR2
GPC1. 4	2. 09E-46	-0. 68072	0. 027	0. 252	3. 13E-42 M2	GPC1
RIC3. 3	2. 52E-46	-0. 67542	0. 02	0. 246	3. 77E-42 M2	RIC3
TRIM2. 3	2. 61E-46	-0. 54988	0. 015	0. 238	3. 90E-42 M2	TRIM2
METRN. 5	2. 85E-46	-0. 65178	0. 069	0. 31	4. 26E-42 M2	METRN
NRCAM. 4	3. 01E-46	-0. 54564	0. 045	0. 286	4. 50E-42 M2	NRCAM
APP. 4	4. 03E-46	-0. 56007	0. 281	0. 542	6. 02E-42 M2	APP
AREG. 5	4. 13E-46	0. 415311	0. 188	0. 056	6. 17E-42 M2	AREG
FLT1. 3	4. 71E-46	0. 297297	0. 088	0. 015	7. 03E-42 M2	FLT1
ETV1. 5	5. 46E-46	-0. 64482	0. 031	0. 26	8. 16E-42 M2	ETV1
DSEL. 5	5. 81E-46	-0. 56941	0. 017	0. 24	8. 69E-42 M2	DSEL
ZFP36L1. 2	5. 97E-46	0. 304612	0. 757	0. 545	8. 92E-42 M2	ZFP36L1
FNDC3B. 2	6. 78E-46	0. 568299	0. 331	0. 162	1. 01E-41 M2	FNDC3B
LGMN. 4	7. 45E-46	0. 455732	0. 536	0. 338	1. 11E-41 M2	LGMN
PSRC1. 3	7. 50E-46	-0. 63599	0. 043	0. 28	1. 12E-41 M2	PSRC1
PYGL. 4	9. 29E-46	0. 489847	0. 368	0. 18	1. 39E-41 M2	PYGL
SV2A. 3	1. 24E-45	-0. 48779	0. 004	0. 216	1. 86E-41 M2	SV2A
TMEM161B-	1. 63E-45	-0. 64647	0. 064	0. 305	2. 44E-41 M2	TMEM161B-AS1
NLRP3. 5	2. 27E-45	0. 397686	0. 227	0. 077	3. 39E-41 M2	NLRP3
PBX1. 4	2. 42E-45	-0. 52262	0. 011	0. 229	3. 62E-41 M2	PBX1
AP000695.	3. 15E-45	0. 173101	0. 038	0. 002	4. 70E-41 M2	AP000695. 4
GRIA2. 4	4. 30E-45	-0. 56331	0. 01	0. 226	6. 42E-41 M2	GRIA2
ABLIM3	5. 74E-45	0. 306875	0. 077	0. 012	8. 58E-41 M2	ABLIM3

APBA2. 5	6. 10E-45	-0. 51984	0. 008	0. 221	9. 11E-41 M2	APBA2
ID4. 4	6. 68E-45	-0. 68639	0. 015	0. 23	9. 98E-41 M2	ID4
DSC2. 4	6. 71E-45	0. 289924	0. 119	0. 026	1. 00E-40 M2	DSC2
TTC3. 4	7. 28E-45	-0. 53499	0. 281	0. 533	1. 09E-40 M2	TTC3
ABL2. 5	7. 99E-45	0. 562067	0. 447	0. 255	1. 19E-40 M2	ABL2
ICAM1. 4	1. 18E-44	0. 493359	0. 335	0. 152	1. 76E-40 M2	ICAM1
ADSSL1. 2	1. 20E-44	0. 545599	0. 204	0. 072	1. 80E-40 M2	ADSSL1
FCGR1B. 4	1. 22E-44	0. 408875	0. 347	0. 15	1. 82E-40 M2	FCGR1B
TERF2IP. 5	1. 47E-44	-0. 54165	0. 276	0. 535	2. 20E-40 M2	TERF2IP
TRAF4. 4	1. 89E-44	-0. 54449	0. 05	0. 285	2. 82E-40 M2	TRAF4
LACTB. 5	2. 83E-44	0. 506028	0. 33	0. 154	4. 23E-40 M2	LACTB
FOSB. 4	3. 11E-44	0. 424655	0. 607	0. 376	4. 65E-40 M2	FOSB
RP11-553L	3. 15E-44	-0. 51342	0. 022	0. 241	4. 71E-40 M2	RP11-553L6. 5
POMC. 5	3. 94E-44	0. 398321	0. 148	0. 04	5. 89E-40 M2	POMC
SPARC. 4	4. 25E-44	-0. 79875	0. 152	0. 401	6. 35E-40 M2	SPARC
MT1H	5. 62E-44	0. 390622	0. 087	0. 015	8. 39E-40 M2	MT1H
EEF1D. 5	6. 27E-44	0. 176014	0. 971	0. 836	9. 36E-40 M2	EEF1D
ARPC5. 4	6. 58E-44	0. 253182	0. 78	0. 665	9. 83E-40 M2	ARPC5
BATF. 2	8. 13E-44	0. 312947	0. 13	0. 032	1. 22E-39 M2	BATF
DKK3. 3	8. 34E-44	-0. 5101	0. 006	0. 213	1. 25E-39 M2	DKK3
FGL2. 5	1. 10E-43	0. 445264	0. 361	0. 163	1. 64E-39 M2	FGL2
FKBP10. 5	1. 30E-43	-0. 53492	0. 014	0. 226	1. 94E-39 M2	FKBP10
HK2. 3	1. 36E-43	0. 530475	0. 211	0. 076	2. 04E-39 M2	HK2
FAM20A. 4	1. 46E-43	0. 402241	0. 172	0. 051	2. 19E-39 M2	FAM20A
PPP2R2B. 4	1. 55E-43	-0. 58853	0. 018	0. 233	2. 31E-39 M2	PPP2R2B
HOPX. 4	2. 31E-43	-0. 97401	0. 077	0. 297	3. 45E-39 M2	HOPX
ZNF428. 5	2. 51E-43	-0. 4941	0. 326	0. 56	3. 75E-39 M2	ZNF428
DCX. 5	2. 79E-43	-0. 67946	0. 011	0. 218	4. 16E-39 M2	DCX
BOD1. 4	3. 01E-43	-0. 4826	0. 074	0. 319	4. 50E-39 M2	BOD1
TRIB2. 5	3. 34E-43	-0. 53472	0. 047	0. 278	4. 99E-39 M2	TRIB2
FAM181B. 5	3. 56E-43	-0. 58879	0. 01	0. 217	5. 31E-39 M2	FAM181B
CTTN. 4	3. 62E-43	-0. 50753	0. 026	0. 244	5. 41E-39 M2	CTTN
SLAIN1. 5	4. 16E-43	-0. 60757	0. 01	0. 217	6. 22E-39 M2	SLAIN1
TNFAIP2. 3	4. 56E-43	0. 369517	0. 199	0. 066	6. 82E-39 M2	TNFAIP2
HIST1H4C. 6	7. 2E-43	-0. 57966	0. 184	0. 442	1. 00E-38 M2	HIST1H4C
APOE. 4	1. 02E-42	0. 289705	0. 831	0. 675	1. 52E-38 M2	APOE
HEPN1. 4	1. 13E-42	-0. 66352	0. 011	0. 218	1. 69E-38 M2	HEPN1
MAGEH1. 4	1. 34E-42	-0. 53724	0. 087	0. 334	2. 01E-38 M2	MAGEH1
REEP2. 3	1. 53E-42	-0. 45249	0. 01	0. 216	2. 29E-38 M2	REEP2
APRT. 3	1. 71E-42	0. 342566	0. 687	0. 52	2. 56E-38 M2	APRT
SSR4. 2	2. 11E-42	0. 202593	0. 872	0. 755	3. 15E-38 M2	SSR4
TRAPPC1. 1	2. 46E-42	0. 287006	0. 751	0. 606	3. 67E-38 M2	TRAPPC1
OCIAD2. 4	2. 54E-42	-0. 86342	0. 162	0. 403	3. 79E-38 M2	OCIAD2
SPAG16. 5	3. 15E-42	-0. 54182	0. 073	0. 312	4. 70E-38 M2	SPAG16
CD01. 5	3. 21E-42	-0. 59644	0. 031	0. 249	4. 79E-38 M2	CD01
IL10RB-AS	3. 27E-42	0. 334582	0. 142	0. 038	4. 89E-38 M2	IL10RB-AS1
MRO. 1	4. 28E-42	0. 322117	0. 087	0. 016	6. 40E-38 M2	MRO
GNAI2. 5	4. 45E-42	0. 417804	0. 619	0. 473	6. 64E-38 M2	GNAI2
RBFOX2. 4	4. 62E-42	-0. 53111	0. 02	0. 23	6. 90E-38 M2	RBFOX2
PHF14. 4	5. 82E-42	-0. 52124	0. 181	0. 44	8. 70E-38 M2	PHF14
PRDM1. 5	5. 86E-42	0. 387927	0. 241	0. 09	8. 76E-38 M2	PRDM1

MAPK10.4	6.41E-42	-0.52537	0.008	0.208	9.59E-38 M2	MAPK10
CHN1.4	6.48E-42	-0.46299	0.02	0.23	9.69E-38 M2	CHN1
DTX3.2	6.79E-42	-0.61211	0.047	0.27	1.01E-37 M2	DTX3
HIF1A-AS2	7.01E-42	0.197585	0.047	0.004	1.05E-37 M2	HIF1A-AS2
ODC1.4	7.30E-42	-0.54819	0.163	0.41	1.09E-37 M2	ODC1
CCND2.5	7.73E-42	-0.59041	0.101	0.343	1.15E-37 M2	CCND2
CMTM7.5	7.99E-42	0.444044	0.333	0.152	1.19E-37 M2	CMTM7
EREG.1	8.64E-42	0.38496	0.097	0.02	1.29E-37 M2	EREG
MYO6.3	9.17E-42	-0.52361	0.027	0.239	1.37E-37 M2	MYO6
B4GALT1.5	9.20E-42	0.461988	0.268	0.11	1.37E-37 M2	B4GALT1
ERP44.3	1.07E-41	0.433533	0.562	0.384	1.60E-37 M2	ERP44
PCDH17.3	1.58E-41	-0.50504	0.006	0.205	2.37E-37 M2	PCDH17
ACTG1.5	1.65E-41	-0.29657	0.972	0.947	2.46E-37 M2	ACTG1
TES.5	1.65E-41	0.323134	0.144	0.039	2.47E-37 M2	TES
ARL6IP4.5	2.00E-41	0.315933	0.743	0.616	2.99E-37 M2	ARL6IP4
LUC7L3.3	2.31E-41	-0.50645	0.263	0.528	3.45E-37 M2	LUC7L3
SLC43A3	2.84E-41	0.507476	0.285	0.127	4.25E-37 M2	SLC43A3
KHDRBS3.5	2.84E-41	-0.51999	0.022	0.229	4.25E-37 M2	KHDRBS3
ITGAX.5	2.92E-41	0.36788	0.226	0.081	4.37E-37 M2	ITGAX
FIBIN.4	3.03E-41	-0.61509	0.029	0.241	4.53E-37 M2	FIBIN
ARHGAP9.5	3.21E-41	0.367262	0.217	0.077	4.80E-37 M2	ARHGAP9
CDKN1A.4	3.65E-41	0.42195	0.506	0.293	5.46E-37 M2	CDKN1A
RBP4	3.71E-41	0.245814	0.07	0.011	5.54E-37 M2	RBP4
COL6A1.4	3.94E-41	-0.58443	0.032	0.243	5.90E-37 M2	COL6A1
DST.4	5.17E-41	-0.53798	0.148	0.393	7.72E-37 M2	DST
NRP1.4	6.91E-41	0.508465	0.317	0.155	1.03E-36 M2	NRP1
AGPAT2.5	8.63E-41	0.51685	0.335	0.168	1.29E-36 M2	AGPAT2
TALDO1.5	8.94E-41	0.30475	0.711	0.589	1.34E-36 M2	TALDO1
NRN1.3	9.49E-41	-0.63012	0.047	0.268	1.42E-36 M2	NRN1
CADM2.4	1.07E-40	-0.58896	0.006	0.201	1.60E-36 M2	CADM2
PLEKHB1.3	1.07E-40	-0.65175	0.022	0.227	1.60E-36 M2	PLEKHB1
TRIM9.4	1.29E-40	-0.49095	0.033	0.247	1.93E-36 M2	TRIM9
IL10RB.5	1.76E-40	0.521403	0.407	0.232	2.64E-36 M2	IL10RB
CAP1.4	1.82E-40	0.300784	0.709	0.584	2.72E-36 M2	CAP1
USP11.4	2.02E-40	-0.51628	0.119	0.369	3.02E-36 M2	USP11
SOCS3.4	2.15E-40	0.470293	0.529	0.335	3.22E-36 M2	SOCS3
MINOS1.3	2.29E-40	0.252641	0.757	0.631	3.42E-36 M2	MINOS1
PIK3AP1.5	2.35E-40	0.345911	0.178	0.056	3.50E-36 M2	PIK3AP1
C12orf57.2	2.44E-40	-0.499	0.276	0.555	3.65E-36 M2	C12orf57
IRF8.5	2.49E-40	0.360864	0.335	0.146	3.73E-36 M2	IRF8
EPN2.5	2.51E-40	-0.48746	0.038	0.251	3.75E-36 M2	EPN2
SEMA6A.4	2.60E-40	-0.44003	0.014	0.213	3.89E-36 M2	SEMA6A
LAT2.5	2.63E-40	0.352419	0.4	0.189	3.92E-36 M2	LAT2
ARL11.4	3.23E-40	0.312488	0.128	0.033	4.82E-36 M2	ARL11
PLEC.3	3.63E-40	0.572538	0.34	0.176	5.42E-36 M2	PLEC
TNFAIP8.4	3.99E-40	0.328305	0.186	0.061	5.96E-36 M2	TNFAIP8
ASCL1.4	4.01E-40	-0.61739	0.006	0.198	5.99E-36 M2	ASCL1
ATP1B3.5	4.31E-40	0.370248	0.67	0.536	6.44E-36 M2	ATP1B3
OSM.5	4.50E-40	0.435752	0.308	0.134	6.72E-36 M2	OSM
RGS19.5	4.79E-40	0.447093	0.453	0.263	7.15E-36 M2	RGS19
SPAG4.2	5.20E-40	0.402485	0.143	0.041	7.77E-36 M2	SPAG4

WIPF1. 5	6. 02E-40	0. 461103	0. 387	0. 208	9. 00E-36	M2	WIPF1
TMEM219. 4	7. 75E-40	0. 321781	0. 692	0. 551	1. 16E-35	M2	TMEM219
ANKH. 4	7. 85E-40	0. 506382	0. 298	0. 138	1. 17E-35	M2	ANKH
ST8SIA4. 5	8. 34E-40	0. 445288	0. 262	0. 109	1. 25E-35	M2	ST8SIA4
MAGI1. 5	8. 48E-40	-0. 52438	0. 014	0. 21	1. 27E-35	M2	MAGI1
PGM2L1. 4	9. 11E-40	-0. 55101	0. 054	0. 27	1. 36E-35	M2	PGM2L1
PHYHIPL. 3	9. 99E-40	-0. 61891	0. 006	0. 198	1. 49E-35	M2	PHYHIPL
GSTM3. 3	1. 05E-39	-0. 55822	0. 061	0. 283	1. 57E-35	M2	GSTM3
PPIF. 5	1. 20E-39	0. 501318	0. 383	0. 209	1. 79E-35	M2	PPIF
SFT2D1. 5	1. 21E-39	0. 342592	0. 636	0. 492	1. 80E-35	M2	SFT2D1
SPATS2. 3	1. 30E-39	-0. 45064	0. 052	0. 273	1. 95E-35	M2	SPATS2
NEAT1. 3	1. 30E-39	0. 224854	0. 958	0. 749	1. 95E-35	M2	NEAT1
IFNGR2. 5	1. 51E-39	0. 458707	0. 534	0. 379	2. 25E-35	M2	IFNGR2
IGFBP5. 5	1. 52E-39	-0. 89405	0. 066	0. 283	2. 27E-35	M2	IGFBP5
KCNQ2. 4	1. 61E-39	-0. 5178	0. 027	0. 228	2. 41E-35	M2	KCNQ2
LHFPL2. 4	1. 95E-39	0. 486519	0. 317	0. 149	2. 92E-35	M2	LHFPL2
CTB-61M7. 2	2. 03E-39	0. 348968	0. 125	0. 032	3. 03E-35	M2	CTB-61M7. 2
LTBR. 5	2. 42E-39	0. 412752	0. 227	0. 086	3. 61E-35	M2	LTBR
PLS3. 4	2. 46E-39	-0. 50498	0. 028	0. 235	3. 68E-35	M2	PLS3
PSMB10. 5	2. 98E-39	0. 480688	0. 427	0. 243	4. 45E-35	M2	PSMB10
C2. 3	3. 15E-39	0. 431218	0. 257	0. 105	4. 70E-35	M2	C2
ANXA5. 3	3. 32E-39	0. 183978	0. 876	0. 716	4. 95E-35	M2	ANXA5
PLAU. 5	3. 58E-39	0. 542045	0. 314	0. 152	5. 36E-35	M2	PLAU
LARP6. 4	4. 38E-39	-0. 51403	0. 013	0. 206	6. 55E-35	M2	LARP6
LRP1. 2	5. 37E-39	0. 520042	0. 504	0. 339	8. 02E-35	M2	LRP1
MAPK8IP1. 6	6. 41E-39	-0. 47583	0. 011	0. 204	9. 57E-35	M2	MAPK8IP1
PNP. 3	6. 77E-39	0. 470184	0. 234	0. 094	1. 01E-34	M2	PNP
SLC39A8. 4	7. 39E-39	0. 368291	0. 162	0. 051	1. 11E-34	M2	SLC39A8
AP1B1. 5	7. 89E-39	0. 50646	0. 428	0. 247	1. 18E-34	M2	AP1B1
PLBD1. 5	8. 06E-39	0. 371968	0. 226	0. 085	1. 20E-34	M2	PLBD1
MANBAL. 5	8. 78E-39	-0. 47872	0. 11	0. 351	1. 31E-34	M2	MANBAL
THRA. 3	9. 61E-39	-0. 5317	0. 045	0. 253	1. 44E-34	M2	THRA
GPRC5B. 3	1. 08E-38	-0. 48444	0. 028	0. 232	1. 61E-34	M2	GPRC5B
UBE2E3. 4	1. 09E-38	-0. 48321	0. 227	0. 477	1. 63E-34	M2	UBE2E3
FBXO21. 3	1. 48E-38	-0. 5171	0. 096	0. 323	2. 21E-34	M2	FBXO21
LILRA5. 1	1. 56E-38	0. 196993	0. 063	0. 009	2. 33E-34	M2	LILRA5
DCLK2. 5	1. 68E-38	-0. 47475	0. 017	0. 209	2. 51E-34	M2	DCLK2
FOSL2. 5	1. 75E-38	0. 549288	0. 338	0. 175	2. 62E-34	M2	FOSL2
HSP90B1. 2	1. 86E-38	0. 257266	0. 77	0. 65	2. 78E-34	M2	HSP90B1
SOX8. 5	2. 26E-38	-0. 55956	0. 005	0. 189	3. 38E-34	M2	SOX8
MAP9. 3	2. 29E-38	-0. 43716	0. 011	0. 201	3. 42E-34	M2	MAP9
FNDC4. 3	2. 48E-38	-0. 43679	0. 018	0. 211	3. 71E-34	M2	FNDC4
PAFAH1B3. 2	2. 59E-38	-0. 49803	0. 186	0. 441	3. 87E-34	M2	PAFAH1B3
OLIG1. 5	2. 71E-38	-0. 74067	0. 008	0. 192	4. 05E-34	M2	OLIG1
RP11-556E	2. 86E-38	0. 323027	0. 157	0. 048	4. 27E-34	M2	RP11-556E13. 1
FPR2. 3	4. 01E-38	0. 266071	0. 079	0. 014	5. 99E-34	M2	FPR2
KCTD12. 5	4. 26E-38	0. 416187	0. 41	0. 224	6. 36E-34	M2	KCTD12
IFI27L2. 2	4. 29E-38	0. 368528	0. 636	0. 459	6. 41E-34	M2	IFI27L2
SPECC1. 5	4. 29E-38	-0. 4642	0. 086	0. 311	6. 42E-34	M2	SPECC1
PSAT1. 4	4. 57E-38	-0. 55929	0. 022	0. 216	6. 83E-34	M2	PSAT1
AC147651. 4	4. 72E-38	0. 344804	0. 119	0. 03	7. 05E-34	M2	AC147651. 4

SQLE. 3	4. 90E-38	-0. 45162	0. 05	0. 263	7. 32E-34 M2	SQLE
TMEM54. 3	5. 05E-38	-0. 42654	0. 017	0. 208	7. 55E-34 M2	TMEM54
RHOH. 5	5. 06E-38	0. 315105	0. 198	0. 068	7. 56E-34 M2	RHOH
ARPC4. 5	5. 28E-38	0. 362227	0. 632	0. 505	7. 89E-34 M2	ARPC4
SUM03. 5	5. 59E-38	0. 411259	0. 581	0. 429	8. 35E-34 M2	SUM03
PTOV1. 4	6. 01E-38	-0. 47919	0. 209	0. 455	8. 99E-34 M2	PTOV1
SIRPA. 5	6. 69E-38	0. 501544	0. 401	0. 232	9. 99E-34 M2	SIRPA
SASH3. 5	6. 83E-38	0. 359247	0. 198	0. 07	1. 02E-33 M2	SASH3
IQGAP1. 5	6. 90E-38	0. 507314	0. 404	0. 242	1. 03E-33 M2	IQGAP1
PDIA3. 5	6. 93E-38	0. 32006	0. 69	0. 575	1. 04E-33 M2	PDIA3
PFDN5. 3	7. 25E-38	0. 132865	0. 98	0. 877	1. 08E-33 M2	PFDN5
PRRX1. 5	7. 94E-38	-0. 47136	0. 003	0. 183	1. 19E-33 M2	PRRX1
ARC. 3	8. 25E-38	-0. 62038	0. 026	0. 221	1. 23E-33 M2	ARC
PPIB. 1	8. 48E-38	0. 179554	0. 829	0. 717	1. 27E-33 M2	PPIB
HLA-DQA1. 9	9. 21E-38	0. 288975	0. 534	0. 29	1. 38E-33 M2	HLA-DQA1
CCL4. 4	1. 01E-37	0. 375813	0. 517	0. 311	1. 51E-33 M2	CCL4
RP11-620J	1. 02E-37	-0. 57528	0. 068	0. 284	1. 52E-33 M2	RP11-620J15. 3
SNX2. 5	1. 03E-37	0. 430628	0. 554	0. 4	1. 55E-33 M2	SNX2
F3. 5	1. 10E-37	-0. 54753	0. 017	0. 204	1. 65E-33 M2	F3
YWHAQ. 4	1. 18E-37	-0. 41752	0. 466	0. 656	1. 76E-33 M2	YWHAQ
WIPI1. 4	1. 30E-37	0. 51644	0. 336	0. 175	1. 94E-33 M2	WIPI1
PSME1. 4	1. 63E-37	0. 266712	0. 733	0. 573	2. 44E-33 M2	PSME1
MXD1. 4	1. 64E-37	0. 461237	0. 268	0. 118	2. 45E-33 M2	MXD1
MOB1A. 5	1. 80E-37	0. 424478	0. 504	0. 328	2. 69E-33 M2	MOB1A
NCKAP1. 3	1. 84E-37	-0. 40897	0. 014	0. 201	2. 74E-33 M2	NCKAP1
FJX1. 4	1. 87E-37	-0. 50043	0. 023	0. 214	2. 79E-33 M2	FJX1
PPARG. 3	1. 94E-37	0. 237302	0. 093	0. 02	2. 90E-33 M2	PPARG
RGMA. 4	2. 12E-37	-0. 51419	0. 023	0. 213	3. 17E-33 M2	RGMA
ZKSCAN1. 4	2. 31E-37	-0. 44823	0. 098	0. 332	3. 45E-33 M2	ZKSCAN1
MEX3A. 4	2. 55E-37	-0. 47373	0. 008	0. 19	3. 82E-33 M2	MEX3A
COL9A3. 5	3. 32E-37	-0. 58421	0. 014	0. 198	4. 96E-33 M2	COL9A3
CXXC5. 5	5. 28E-37	-0. 46054	0. 157	0. 396	7. 89E-33 M2	CXXC5
ITGB8. 3	5. 91E-37	-0. 40289	0. 046	0. 253	8. 83E-33 M2	ITGB8
MYEF2. 4	6. 52E-37	-0. 40237	0. 018	0. 206	9. 75E-33 M2	MYEF2
FAIM2. 4	7. 11E-37	-0. 54423	0. 017	0. 204	1. 06E-32 M2	FAIM2
SERPINB6. 7	7. 26E-37	0. 377253	0. 609	0. 468	1. 09E-32 M2	SERPINB6
RCN1. 5	7. 31E-37	-0. 49312	0. 139	0. 369	1. 09E-32 M2	RCN1
SLC39A6. 3	8. 69E-37	-0. 47816	0. 115	0. 343	1. 30E-32 M2	SLC39A6
KCNQ10T1. 8	9. 97E-37	-0. 53727	0. 077	0. 293	1. 34E-32 M2	KCNQ10T1
SMPDL3A. 4	9. 17E-37	0. 508048	0. 258	0. 115	1. 37E-32 M2	SMPDL3A
NAP1L4. 4	9. 26E-37	-0. 43671	0. 174	0. 42	1. 38E-32 M2	NAP1L4
SRPK2. 3	1. 10E-36	-0. 47185	0. 183	0. 427	1. 64E-32 M2	SRPK2
SPRY1. 4	1. 16E-36	-0. 5642	0. 045	0. 246	1. 73E-32 M2	SPRY1
CD48. 5	1. 26E-36	0. 351776	0. 197	0. 07	1. 88E-32 M2	CD48
NR2F1. 2	1. 36E-36	-0. 40195	0. 003	0. 177	2. 03E-32 M2	NR2F1
USMG5. 4	1. 50E-36	0. 278207	0. 723	0. 613	2. 24E-32 M2	USMG5
NUCB1. 4	1. 82E-36	0. 406459	0. 579	0. 435	2. 72E-32 M2	NUCB1
LAMTOR2. 3	2. 08E-36	0. 319371	0. 699	0. 579	3. 11E-32 M2	LAMTOR2
LYPD1. 3	2. 17E-36	-0. 54726	0. 023	0. 208	3. 24E-32 M2	LYPD1
PDXK. 5	2. 22E-36	0. 476999	0. 436	0. 274	3. 32E-32 M2	PDXK
FAM162A. 5	2. 25E-36	0. 425737	0. 549	0. 39	3. 37E-32 M2	FAM162A

POMP. 1	2.47E-36	0.180918	0.819	0.729	3.69E-32 M2	POMP
NFAM1. 4	2.51E-36	0.322466	0.112	0.028	3.75E-32 M2	NFAM1
PRKCB. 4	2.91E-36	0.292614	0.129	0.036	4.35E-32 M2	PRKCB
AKAP12. 5	2.93E-36	-0.54095	0.017	0.199	4.38E-32 M2	AKAP12
SH3BGRL. 3	2.96E-36	0.254434	0.764	0.64	4.42E-32 M2	SH3BGRL
STAC3. 5	2.96E-36	0.362775	0.195	0.071	4.43E-32 M2	STAC3
HLA-DMB. 5	4.06E-36	0.289751	0.55	0.304	6.06E-32 M2	HLA-DMB
MYL12B. 4	4.23E-36	0.182144	0.829	0.72	6.32E-32 M2	MYL12B
CLIP3. 4	5.15E-36	-0.42664	0.022	0.21	7.70E-32 M2	CLIP3
GTF2I. 4	5.74E-36	-0.46137	0.206	0.443	8.57E-32 M2	GTF2I
KIF3A. 3	5.93E-36	-0.50368	0.049	0.247	8.87E-32 M2	KIF3A
MEIS2. 4	6.34E-36	-0.57957	0.028	0.216	9.47E-32 M2	MEIS2
ZNF462. 5	6.92E-36	-0.45091	0.01	0.189	1.03E-31 M2	ZNF462
MRC1	7.12E-36	0.226784	0.05	0.006	1.06E-31 M2	MRC1
TSC22D3. 4	7.42E-36	0.325828	0.625	0.444	1.11E-31 M2	TSC22D3
BCHE. 3	7.56E-36	-0.4881	0.017	0.199	1.13E-31 M2	BCHE
PTPRA. 4	7.63E-36	-0.46381	0.144	0.369	1.14E-31 M2	PTPRA
ABRACL. 4	8.50E-36	0.484743	0.453	0.294	1.27E-31 M2	ABRACL
MGMT. 5	9.30E-36	0.405465	0.304	0.141	1.39E-31 M2	MGMT
ABI2. 3	1.00E-35	-0.42647	0.139	0.377	1.49E-31 M2	ABI2
PTMS. 4	1.05E-35	-0.45755	0.375	0.566	1.57E-31 M2	PTMS
CD84. 5	1.24E-35	0.416629	0.275	0.119	1.85E-31 M2	CD84
FERMT2. 5	1.32E-35	-0.3982	0.027	0.215	1.98E-31 M2	FERMT2
AHR. 5	1.33E-35	0.34999	0.166	0.055	1.99E-31 M2	AHR
LILRB3. 4	1.48E-35	0.332008	0.124	0.034	2.21E-31 M2	LILRB3
OLIG2. 4	1.64E-35	-0.57565	0.013	0.19	2.46E-31 M2	OLIG2
PGD. 3	1.82E-35	0.520554	0.436	0.283	2.72E-31 M2	PGD
TGM2. 2	2.18E-35	0.378707	0.117	0.032	3.25E-31 M2	TGM2
SSR3. 5	2.32E-35	0.297133	0.662	0.517	3.46E-31 M2	SSR3
TGFBR2. 4	2.46E-35	0.41744	0.249	0.108	3.67E-31 M2	TGFBR2
TMEM91. 4	2.73E-35	0.488586	0.179	0.065	4.08E-31 M2	TMEM91
HIF1A. 4	2.84E-35	0.337032	0.626	0.488	4.24E-31 M2	HIF1A
IRAK1. 3	3.15E-35	0.589429	0.291	0.149	4.71E-31 M2	IRAK1
RP11-161M	3.54E-35	-0.53104	0.006	0.178	5.29E-31 M2	RP11-161M6. 2
ZNF3. 3	3.61E-35	-0.47465	0.031	0.218	5.40E-31 M2	ZNF3
PROCR. 4	3.67E-35	0.322817	0.176	0.061	5.48E-31 M2	PROCR
CYP19A1	4.05E-35	0.24155	0.091	0.02	6.06E-31 M2	CYP19A1
OLFM2. 3	4.44E-35	-0.52534	0.022	0.204	6.63E-31 M2	OLFM2
RP11-395G	4.48E-35	-0.44458	0.013	0.189	6.70E-31 M2	RP11-395G23. 3
CPPED1. 5	4.50E-35	0.373731	0.174	0.06	6.72E-31 M2	CPPED1
RAB31. 5	4.56E-35	0.384339	0.586	0.451	6.82E-31 M2	RAB31
EMB. 5	5.10E-35	0.362847	0.188	0.067	7.62E-31 M2	EMB
NR4A1. 5	5.36E-35	0.422762	0.453	0.26	8.00E-31 M2	NR4A1
VMA21. 4	5.65E-35	0.486556	0.479	0.331	8.45E-31 M2	VMA21
TMSB15B. 4	5.89E-35	-0.45791	0.017	0.193	8.81E-31 M2	TMSB15B
CCDC28B. 4	6.65E-35	-0.43275	0.038	0.232	9.93E-31 M2	CCDC28B
PABPC1. 4	6.89E-35	0.198087	0.842	0.738	1.03E-30 M2	PABPC1
DOK5. 4	7.14E-35	-0.47185	0.017	0.194	1.07E-30 M2	DOK5
OSTC. 3	7.15E-35	0.331049	0.619	0.495	1.07E-30 M2	OSTC
PFN1. 5	9.29E-35	0.201192	0.913	0.801	1.39E-30 M2	PFN1
TAGLN3. 4	9.30E-35	-0.61278	0.022	0.2	1.39E-30 M2	TAGLN3



TMSB15A. 5	1. 05E-34	-0. 54382	0. 015	0. 19	1. 57E-30 M2	TMSB15A
GDI2. 5	1. 23E-34	0. 363415	0. 614	0. 48	1. 83E-30 M2	GDI2
MBOAT2. 4	1. 25E-34	-0. 40786	0. 017	0. 193	1. 87E-30 M2	MBOAT2
RGS17. 3	1. 26E-34	-0. 44092	0. 005	0. 173	1. 89E-30 M2	RGS17
TSPAN3. 4	1. 28E-34	-0. 42578	0. 229	0. 476	1. 92E-30 M2	TSPAN3
CTXN1. 5	1. 44E-34	-0. 37672	0. 004	0. 171	2. 15E-30 M2	CTXN1
SKA2. 3	1. 56E-34	-0. 44364	0. 103	0. 321	2. 33E-30 M2	SKA2
STAT6. 5	1. 64E-34	0. 354018	0. 146	0. 045	2. 45E-30 M2	STAT6
TSC22D4. 5	1. 72E-34	-0. 63092	0. 264	0. 485	2. 56E-30 M2	TSC22D4
MIAT. 4	1. 73E-34	-0. 54133	0. 009	0. 179	2. 59E-30 M2	MIAT
GRIA3. 4	1. 75E-34	-0. 39702	0. 009	0. 18	2. 62E-30 M2	GRIA3
GNS. 3	1. 80E-34	0. 505895	0. 34	0. 189	2. 69E-30 M2	GNS
NPAS3. 5	1. 93E-34	-0. 41207	0. 004	0. 17	2. 89E-30 M2	NPAS3
ASGR1. 4	1. 96E-34	0. 459766	0. 178	0. 065	2. 92E-30 M2	ASGR1
CSF2RA. 5	2. 25E-34	0. 3176	0. 383	0. 189	3. 37E-30 M2	CSF2RA
AKAP8L. 3	2. 44E-34	-0. 44546	0. 063	0. 262	3. 65E-30 M2	AKAP8L
IL3RA. 1	2. 65E-34	0. 200634	0. 061	0. 01	3. 96E-30 M2	IL3RA
CSNK1E. 4	2. 72E-34	-0. 41569	0. 101	0. 321	4. 07E-30 M2	CSNK1E
ABI3. 5	2. 81E-34	0. 32158	0. 368	0. 177	4. 20E-30 M2	ABI3
SERF2. 2	2. 91E-34	0. 117478	0. 995	0. 888	4. 34E-30 M2	SERF2
VASP. 5	3. 09E-34	0. 503994	0. 386	0. 229	4. 62E-30 M2	VASP
UBE2S. 5	3. 27E-34	-0. 50316	0. 14	0. 359	4. 88E-30 M2	UBE2S
NAMPT. 5	3. 47E-34	0. 205206	0. 63	0. 424	5. 19E-30 M2	NAMPT
DPYSL5. 5	3. 60E-34	-0. 41617	0. 006	0. 174	5. 38E-30 M2	DPYSL5
STX11. 5	3. 73E-34	0. 385317	0. 249	0. 105	5. 58E-30 M2	STX11
DPP7. 5	4. 04E-34	0. 370505	0. 595	0. 458	6. 03E-30 M2	DPP7
RNF180. 4	4. 20E-34	-0. 40053	0. 009	0. 179	6. 28E-30 M2	RNF180
FAM129B. 3	4. 69E-34	0. 477527	0. 176	0. 066	7. 01E-30 M2	FAM129B
ATP6V1B2. 5	4. 3E-34	0. 373004	0. 553	0. 398	8. 11E-30 M2	ATP6V1B2
NRXN1. 4	5. 75E-34	-0. 59391	0. 008	0. 174	8. 59E-30 M2	NRXN1
ENC1. 5	7. 01E-34	-0. 51087	0. 047	0. 237	1. 05E-29 M2	ENC1
GHITM. 4	7. 10E-34	0. 316245	0. 641	0. 515	1. 06E-29 M2	GHITM
TFRC. 4	7. 21E-34	0. 475463	0. 359	0. 199	1. 08E-29 M2	TFRC
C10orf11. 7	6. 9E-34	0. 357123	0. 226	0. 092	1. 15E-29 M2	C10orf11
CD58. 5	7. 71E-34	0. 443954	0. 381	0. 216	1. 15E-29 M2	CD58
TRIM24. 5	8. 52E-34	-0. 3637	0. 024	0. 203	1. 27E-29 M2	TRIM24
ANK2. 5	9. 05E-34	-0. 3779	0. 008	0. 175	1. 35E-29 M2	ANK2
ZNF791. 2	1. 11E-33	-0. 38449	0. 075	0. 284	1. 65E-29 M2	ZNF791
ADAMTSL4	1. 29E-33	0. 23938	0. 083	0. 018	1. 93E-29 M2	ADAMTSL4
ZSCAN18. 3	1. 38E-33	-0. 42711	0. 051	0. 244	2. 06E-29 M2	ZSCAN18
STOM. 4	1. 42E-33	0. 367488	0. 42	0. 239	2. 13E-29 M2	STOM
TFEC. 5	1. 84E-33	0. 303141	0. 152	0. 049	2. 75E-29 M2	TFEC
HEPACAM. 4	1. 84E-33	-0. 55332	0. 017	0. 189	2. 75E-29 M2	HEPACAM
MIF. 3	2. 06E-33	0. 279378	0. 775	0. 663	3. 08E-29 M2	MIF
MANBA. 5	2. 07E-33	0. 455734	0. 249	0. 111	3. 09E-29 M2	MANBA
RPAIN. 3	2. 11E-33	-0. 44179	0. 267	0. 501	3. 15E-29 M2	RPAIN
NSG1. 5	2. 19E-33	-0. 68769	0. 018	0. 187	3. 27E-29 M2	NSG1
GPC2. 5	2. 32E-33	-0. 56146	0. 013	0. 179	3. 47E-29 M2	GPC2
CRYBB1. 3	2. 41E-33	0. 363346	0. 124	0. 036	3. 61E-29 M2	CRYBB1
AHNAK. 2	2. 61E-33	0. 488757	0. 241	0. 109	3. 90E-29 M2	AHNAK
BTK. 5	2. 64E-33	0. 290004	0. 204	0. 077	3. 95E-29 M2	BTK

RAPGEF1.	3	2.79E-33	0.464078	0.243	0.108	4.17E-29	M2	RAPGEF1
JUN.	2	2.97E-33	-0.41438	0.506	0.684	4.44E-29	M2	JUN
CCL7.	1	3.29E-33	0.235873	0.06	0.01	4.91E-29	M2	CCL7
FNBP1L.	5	3.32E-33	-0.44299	0.023	0.196	4.96E-29	M2	FNBP1L
BMP7.	5	3.66E-33	-0.40143	0.01	0.177	5.48E-29	M2	BMP7
SEC11A.	4	3.77E-33	0.24702	0.709	0.582	5.64E-29	M2	SEC11A
PVRL2.	4	3.91E-33	0.484652	0.383	0.233	5.84E-29	M2	PVRL2
FAM134B.	3	4.13E-33	-0.39889	0.01	0.177	6.17E-29	M2	FAM134B
BCAR1.	3	4.57E-33	-0.38752	0.014	0.183	6.83E-29	M2	BCAR1
ROB01.	5	5.54E-33	-0.40719	0.019	0.189	8.27E-29	M2	ROB01
LPAR6.	5	5.59E-33	0.371639	0.407	0.226	8.36E-29	M2	LPAR6
CALR.	2	5.94E-33	0.205329	0.798	0.684	8.88E-29	M2	CALR
TJP1.	3	6.12E-33	-0.36912	0.02	0.192	9.14E-29	M2	TJP1
NELFCD.	3	6.14E-33	-0.40494	0.13	0.351	9.17E-29	M2	NELFCD
KLHL23.	5	7.01E-33	-0.41155	0.008	0.172	1.05E-28	M2	KLHL23
LSAMP.	3	7.52E-33	-0.52502	0.015	0.183	1.12E-28	M2	LSAMP
FOXG1.	4	8.09E-33	-0.35462	0.004	0.164	1.21E-28	M2	FOXG1
F2R.	5	8.22E-33	-0.37557	0.013	0.18	1.23E-28	M2	F2R
SCAMP2.	5	8.57E-33	0.402	0.526	0.363	1.28E-28	M2	SCAMP2
SNTG1.	4	8.79E-33	-0.49535	0.004	0.164	1.31E-28	M2	SNTG1
CD99.	3	9.12E-33	0.170033	0.819	0.625	1.36E-28	M2	CD99
DAAM1.	3	1.04E-32	-0.45783	0.06	0.254	1.55E-28	M2	DAAM1
TGIF1.	4	1.10E-32	0.398449	0.507	0.347	1.64E-28	M2	TGIF1
PHGDH.	4	1.10E-32	-0.54136	0.033	0.212	1.64E-28	M2	PHGDH
HMGB2.	5	1.21E-32	0.294881	0.656	0.483	1.81E-28	M2	HMGB2
GNGT2.	5	1.32E-32	0.308127	0.144	0.046	1.98E-28	M2	GNGT2
OSBPL6.	2	1.47E-32	-0.34237	0.006	0.167	2.20E-28	M2	OSBPL6
ZFHX4.	5	1.56E-32	-0.36185	0.004	0.162	2.33E-28	M2	ZFHX4
TCEAL2.	3	2.01E-32	-0.60303	0.022	0.191	3.00E-28	M2	TCEAL2
SEMA6D.	5	2.05E-32	-0.41385	0.008	0.167	3.07E-28	M2	SEMA6D
POLR2J3.	4	2.64E-32	-0.42087	0.132	0.354	3.95E-28	M2	POLR2J3
ZEB1.	5	2.83E-32	-0.38866	0.028	0.204	4.22E-28	M2	ZEB1
SLC39A4.	3	2.85E-32	0.419133	0.203	0.082	4.26E-28	M2	SLC39A4
LUCAT1.	1	2.92E-32	0.345306	0.11	0.03	4.37E-28	M2	LUCAT1
HMGB1.	3	3.25E-32	-0.31564	0.779	0.867	4.86E-28	M2	HMGB1
BICD1.	3	3.42E-32	-0.3458	0.036	0.216	5.11E-28	M2	BICD1
CDC42EP4.	3	3.49E-32	-0.44983	0.034	0.213	5.21E-28	M2	CDC42EP4
HSD11B1L.	3	3.81E-32	-0.34797	0.036	0.217	5.69E-28	M2	HSD11B1L
A2M.	4	3.86E-32	0.255519	0.651	0.45	5.77E-28	M2	A2M
SMAD1.	3	4.39E-32	-0.39795	0.02	0.188	6.57E-28	M2	SMAD1
TRPM2.	5	5.90E-32	0.329574	0.142	0.045	8.82E-28	M2	TRPM2
MYO7A.	3	5.99E-32	0.284844	0.106	0.028	8.94E-28	M2	MYO7A
BST1.	1	6.28E-32	0.303832	0.114	0.032	9.39E-28	M2	BST1
RND2.	4	6.38E-32	-0.40457	0.011	0.174	9.53E-28	M2	RND2
CTNND2.	4	6.40E-32	-0.40581	0.009	0.168	9.56E-28	M2	CTNND2
CLU.	5	6.66E-32	-0.59961	0.725	0.786	9.95E-28	M2	CLU
ELAVL4.	4	7.30E-32	-0.66777	0.024	0.189	1.09E-27	M2	ELAVL4
NT5C3A.	3	7.38E-32	-0.41893	0.101	0.308	1.10E-27	M2	NT5C3A
DRAM2.	5	7.81E-32	0.401423	0.492	0.325	1.17E-27	M2	DRAM2
RNF130.	5	7.94E-32	0.360855	0.598	0.453	1.19E-27	M2	RNF130
PRR4.	5	8.42E-32	-0.4216	0.046	0.229	1.26E-27	M2	PRR4

ABCA1.3	9.15E-32	0.472983	0.377	0.229	1.37E-27	M2	ABCA1
REPIN1.5	9.39E-32	-0.36873	0.086	0.288	1.40E-27	M2	REPIN1
SMARCA4.4	1.03E-31	-0.39778	0.156	0.376	1.53E-27	M2	SMARCA4
IL10RA.5	1.15E-31	0.298717	0.284	0.128	1.72E-27	M2	IL10RA
TAF7.4	1.17E-31	-0.46661	0.336	0.569	1.76E-27	M2	TAF7
PGAM1.3	1.21E-31	0.313546	0.608	0.494	1.80E-27	M2	PGAM1
JAM2.5	1.29E-31	-0.44355	0.069	0.266	1.92E-27	M2	JAM2
PRR7.5	1.42E-31	-0.35618	0.028	0.199	2.12E-27	M2	PRR7
LINC00665	1.45E-31	-0.40304	0.027	0.197	2.17E-27	M2	LINC00665
MFNG.5	1.60E-31	0.370268	0.262	0.117	2.39E-27	M2	MFNG
ZNF302.4	1.76E-31	-0.39017	0.112	0.329	2.63E-27	M2	ZNF302
ATP6VOD1.1	1.84E-31	0.366042	0.613	0.503	2.75E-27	M2	ATP6VOD1
AGT.3	2.04E-31	-0.62842	0.051	0.232	3.05E-27	M2	AGT
NEDD8.2	2.13E-31	0.180457	0.847	0.738	3.18E-27	M2	NEDD8
DAZAP2.4	2.39E-31	0.320971	0.644	0.529	3.57E-27	M2	DAZAP2
FAM92A1.3	2.41E-31	-0.36528	0.036	0.213	3.61E-27	M2	FAM92A1
ATP6V1G2.2	2.53E-31	-0.41825	0.005	0.159	3.78E-27	M2	ATP6V1G2
JAKMIP2.3	2.58E-31	-0.3789	0.006	0.161	3.86E-27	M2	JAKMIP2
CBX1.4	2.63E-31	-0.42424	0.163	0.381	3.93E-27	M2	CBX1
TLE1.3	2.68E-31	-0.35934	0.018	0.181	4.01E-27	M2	TLE1
CBX5.4	2.77E-31	-0.39924	0.139	0.359	4.15E-27	M2	CBX5
SYNE2.5	2.81E-31	-0.41988	0.02	0.185	4.20E-27	M2	SYNE2
MITF.4	2.95E-31	0.346039	0.208	0.086	4.41E-27	M2	MITF
SEPT7.5	3.46E-31	-0.42384	0.536	0.715	5.16E-27	M2	7-Sep
TMEM14A.4	3.66E-31	-0.4626	0.128	0.338	5.46E-27	M2	TMEM14A
C1R.5	3.91E-31	-0.7949	0.049	0.227	5.84E-27	M2	C1R
FBXO17.5	3.95E-31	-0.36976	0.003	0.154	5.90E-27	M2	FBXO17
RHBDF2.5	4.01E-31	0.367855	0.333	0.166	5.99E-27	M2	RHBDF2
RP11-514C	4.02E-31	0.250689	0.092	0.022	6.01E-27	M2	RP11-514012.4
EFEMP2.3	4.56E-31	-0.3947	0.046	0.226	6.81E-27	M2	EFEMP2
RB1.5	4.69E-31	0.397467	0.457	0.294	7.01E-27	M2	RB1
TGFB1.5	5.10E-31	0.41867	0.393	0.234	7.62E-27	M2	TGFB1
EFHD2.5	5.70E-31	0.460762	0.352	0.2	8.52E-27	M2	EFHD2
PGAP1.4	5.84E-31	-0.36202	0.026	0.195	8.72E-27	M2	PGAP1
APC2.4	6.04E-31	-0.39447	0.005	0.158	9.02E-27	M2	APC2
CSNK2B.1	6.06E-31	0.277529	0.701	0.601	9.06E-27	M2	CSNK2B
TMBIM1.2	7.28E-31	0.418917	0.392	0.234	1.09E-26	M2	TMBIM1
SP100.4	7.29E-31	0.288944	0.462	0.274	1.09E-26	M2	SP100
CTA-384D8	7.37E-31	0.234303	0.084	0.019	1.10E-26	M2	CTA-384D8.34
NUDT14.5	7.53E-31	0.415584	0.336	0.182	1.13E-26	M2	NUDT14
ZNF608.3	7.96E-31	-0.35293	0.011	0.168	1.19E-26	M2	ZNF608
PYCR1.2	8.02E-31	-0.36034	0.027	0.196	1.20E-26	M2	PYCR1
SYTL3.5	9.65E-31	0.340811	0.162	0.057	1.44E-26	M2	SYTL3
BNIP3.4	1.01E-30	0.538129	0.346	0.206	1.52E-26	M2	BNIP3
CNIH3.2	1.20E-30	-0.39121	0.018	0.179	1.79E-26	M2	CNIH3
KCNMA1.4	1.26E-30	0.513256	0.267	0.134	1.88E-26	M2	KCNMA1
OLFM1.4	1.37E-30	-0.41571	0.008	0.161	2.04E-26	M2	OLFM1
WDR34.3	1.39E-30	-0.36117	0.042	0.219	2.07E-26	M2	WDR34
MGST2.5	1.59E-30	0.334425	0.419	0.241	2.38E-26	M2	MGST2
POU3F3.4	1.61E-30	-0.37552	0.01	0.164	2.41E-26	M2	POU3F3
MYH10.3	1.76E-30	-0.36405	0.009	0.163	2.62E-26	M2	MYH10

TLR4. 4	1. 84E-30	0. 257395	0. 12	0. 035	2. 75E-26 M2	TLR4
ERV3-1. 4	1. 87E-30	-0. 47459	0. 083	0. 273	2. 79E-26 M2	ERV3-1
C12orf76. 2	2. 39E-30	-0. 41222	0. 082	0. 279	3. 57E-26 M2	C12orf76
FSD1. 4	2. 40E-30	-0. 33628	0. 01	0. 165	3. 58E-26 M2	FSD1
SRPX. 4	2. 41E-30	-0. 50516	0. 024	0. 188	3. 61E-26 M2	SRPX
SNX20. 4	2. 41E-30	0. 260107	0. 126	0. 039	3. 61E-26 M2	SNX20
NKX2-2. 4	2. 45E-30	-0. 47651	0. 006	0. 157	3. 66E-26 M2	NKX2-2
M6PR. 5	2. 47E-30	0. 392738	0. 508	0. 373	3. 69E-26 M2	M6PR
SHISA4. 4	2. 51E-30	-0. 4026	0. 07	0. 259	3. 75E-26 M2	SHISA4
PCBD1. 1	2. 71E-30	0. 453564	0. 462	0. 321	4. 04E-26 M2	PCBD1
GAA. 4	2. 72E-30	0. 452329	0. 458	0. 31	4. 07E-26 M2	GAA
MCM7. 4	2. 83E-30	-0. 45847	0. 077	0. 267	4. 23E-26 M2	MCM7
TCTEX1D2. 2	2. 85E-30	-0. 42942	0. 057	0. 239	4. 26E-26 M2	TCTEX1D2
PRPSAP1. 5	2. 88E-30	-0. 38775	0. 117	0. 32	4. 30E-26 M2	PRPSAP1
NAT14. 2	3. 02E-30	-0. 34252	0. 026	0. 19	4. 51E-26 M2	NAT14
RPS6KA1. 5	3. 70E-30	0. 324907	0. 264	0. 121	5. 53E-26 M2	RPS6KA1
AKAP9. 3	3. 76E-30	-0. 42655	0. 239	0. 465	5. 63E-26 M2	AKAP9
ATP1B2. 5	3. 97E-30	-0. 43951	0. 061	0. 245	5. 94E-26 M2	ATP1B2
CNDP2. 5	4. 16E-30	0. 371968	0. 547	0. 423	6. 21E-26 M2	CNDP2
PIM3. 5	4. 16E-30	0. 429723	0. 326	0. 181	6. 21E-26 M2	PIM3
ITGA5. 2	4. 21E-30	0. 418143	0. 188	0. 076	6. 29E-26 M2	ITGA5
CRNDE. 2	4. 26E-30	-0. 36789	0. 026	0. 19	6. 37E-26 M2	CRNDE
CDC42BPA. 4	4. 35E-30	-0. 3743	0. 027	0. 19	6. 50E-26 M2	CDC42BPA
DPP6. 3	4. 41E-30	-0. 3854	0. 015	0. 172	6. 58E-26 M2	DPP6
ACAP3. 5	4. 50E-30	-0. 40965	0. 051	0. 228	6. 72E-26 M2	ACAP3
IFITM3. 1	4. 80E-30	0. 181372	0. 704	0. 489	7. 17E-26 M2	IFITM3
LTC4S. 5	4. 83E-30	0. 34805	0. 319	0. 157	7. 21E-26 M2	LTC4S
ENOPH1. 4	5. 02E-30	-0. 38788	0. 181	0. 404	7. 50E-26 M2	ENOPH1
RIPK2. 5	5. 36E-30	0. 483255	0. 299	0. 159	8. 01E-26 M2	RIPK2
LRPAP1. 3	6. 01E-30	0. 273864	0. 649	0. 54	8. 98E-26 M2	LRPAP1
FMNL1. 5	6. 09E-30	0. 369165	0. 253	0. 115	9. 10E-26 M2	FMNL1
HPCAL1. 4	6. 27E-30	0. 449389	0. 344	0. 2	9. 36E-26 M2	HPCAL1
TM7SF2. 4	7. 13E-30	-0. 38262	0. 061	0. 242	1. 07E-25 M2	TM7SF2
BCKDK. 5	7. 34E-30	0. 464424	0. 441	0. 305	1. 10E-25 M2	BCKDK
POP7. 4	7. 38E-30	-0. 40802	0. 186	0. 409	1. 10E-25 M2	POP7
NR4A3. 5	7. 98E-30	0. 41411	0. 29	0. 141	1. 19E-25 M2	NR4A3
NDFIP2. 3	8. 55E-30	-0. 3689	0. 034	0. 204	1. 28E-25 M2	NDFIP2
RP11-14N7	8. 75E-30	-0. 39686	0. 043	0. 216	1. 31E-25 M2	RP11-14N7. 2
LILRB1. 5	8. 99E-30	0. 343187	0. 206	0. 084	1. 34E-25 M2	LILRB1
GIMAP4. 5	9. 61E-30	0. 292041	0. 296	0. 139	1. 44E-25 M2	GIMAP4
FAM84A. 4	1. 01E-29	-0. 3648	0. 006	0. 154	1. 50E-25 M2	FAM84A
GPR65. 5	1. 04E-29	0. 294574	0. 272	0. 123	1. 55E-25 M2	GPR65
FLVCR2. 2	1. 06E-29	0. 246148	0. 106	0. 03	1. 58E-25 M2	FLVCR2
EVI2A. 5	1. 07E-29	0. 238288	0. 402	0. 21	1. 59E-25 M2	EVI2A
PTPN22. 3	1. 10E-29	0. 225526	0. 089	0. 022	1. 65E-25 M2	PTPN22
FKBP2. 2	1. 18E-29	0. 251097	0. 704	0. 582	1. 77E-25 M2	FKBP2
CDK4. 3	1. 26E-29	-0. 47321	0. 278	0. 499	1. 88E-25 M2	CDK4
ADAMDEC1. 1	1. 27E-29	0. 26256	0. 111	0. 032	1. 89E-25 M2	ADAMDEC1
PROX1. 4	1. 28E-29	-0. 39438	0. 018	0. 174	1. 91E-25 M2	PROX1
NLGN1. 4	1. 33E-29	-0. 3275	0. 003	0. 147	1. 98E-25 M2	NLGN1
GADD45B. 3	1. 36E-29	0. 178148	0. 693	0. 476	2. 03E-25 M2	GADD45B

SCIMP. 5	1. 38E-29	0. 323105	0. 192	0. 075	2. 07E-25 M2	SCIMP
TMEM132A.	1. 39E-29	-0. 31378	0. 006	0. 154	2. 08E-25 M2	TMEM132A
CCDC14. 3	1. 44E-29	-0. 41169	0. 06	0. 239	2. 15E-25 M2	CCDC14
EFHC1. 5	1. 47E-29	-0. 40978	0. 043	0. 217	2. 19E-25 M2	EFHC1
PTGS1. 5	1. 60E-29	0. 373567	0. 294	0. 146	2. 39E-25 M2	PTGS1
CXCL5	1. 68E-29	0. 250643	0. 047	0. 007	2. 50E-25 M2	CXCL5
DCLK1. 3	1. 68E-29	-0. 3654	0. 01	0. 161	2. 50E-25 M2	DCLK1
GNA13. 5	1. 76E-29	0. 435114	0. 315	0. 17	2. 63E-25 M2	GNA13
IPO9. 3	1. 80E-29	-0. 34897	0. 061	0. 243	2. 69E-25 M2	IPO9
VDR. 1	2. 08E-29	0. 210052	0. 064	0. 012	3. 10E-25 M2	VDR
RP3-525N1	2. 31E-29	-0. 43363	0. 01	0. 16	3. 45E-25 M2	RP3-525N10. 2
TMC6. 5	2. 36E-29	0. 322308	0. 235	0. 102	3. 53E-25 M2	TMC6
DMWD. 4	2. 75E-29	-0. 29244	0. 005	0. 151	4. 11E-25 M2	DMWD
WEE1. 3	2. 76E-29	-0. 33593	0. 01	0. 16	4. 12E-25 M2	WEE1
TMEM255B.	2. 95E-29	0. 357456	0. 143	0. 049	4. 41E-25 M2	TMEM255B
CHPF. 4	3. 05E-29	-0. 39337	0. 083	0. 271	4. 56E-25 M2	CHPF
CITED1. 4	3. 18E-29	-0. 43276	0. 011	0. 161	4. 75E-25 M2	CITED1
COL6A2. 4	3. 28E-29	-0. 48165	0. 019	0. 173	4. 90E-25 M2	COL6A2
ENHO. 4	3. 39E-29	-0. 35348	0. 011	0. 16	5. 06E-25 M2	ENHO
APBB1. 4	3. 50E-29	-0. 39562	0. 036	0. 201	5. 23E-25 M2	APBB1
IL4R. 5	3. 88E-29	0. 335016	0. 17	0. 064	5. 80E-25 M2	IL4R
SERPINB9.	4. 16E-29	0. 304407	0. 289	0. 136	6. 22E-25 M2	SERPINB9
REEP5. 4	4. 28E-29	0. 245397	0. 688	0. 577	6. 40E-25 M2	REEP5
PLP1. 4	4. 28E-29	-0. 89584	0. 026	0. 181	6. 40E-25 M2	PLP1
AKR1A1. 3	4. 58E-29	0. 325394	0. 607	0. 49	6. 85E-25 M2	AKR1A1
C3. 4	4. 76E-29	0. 255021	0. 619	0. 386	7. 12E-25 M2	C3
RBMX. 3	5. 07E-29	-0. 39746	0. 349	0. 582	7. 57E-25 M2	RBMX
EGR1. 3	5. 22E-29	-0. 46154	0. 295	0. 51	7. 80E-25 M2	EGR1
MLC1. 4	5. 59E-29	-0. 36175	0. 01	0. 158	8. 36E-25 M2	MLC1
SGCE. 3	5. 70E-29	-0. 5821	0. 009	0. 156	8. 52E-25 M2	SGCE
DTNA. 4	6. 02E-29	-0. 48642	0. 079	0. 265	9. 00E-25 M2	DTNA
EMILIN2. 4	6. 43E-29	0. 398864	0. 18	0. 073	9. 61E-25 M2	EMILIN2
EGFL7. 1	6. 57E-29	0. 361311	0. 107	0. 031	9. 82E-25 M2	EGFL7
LIMCH1. 4	6. 69E-29	-0. 40376	0. 013	0. 162	1. 00E-24 M2	LIMCH1
DUSP1. 5	6. 90E-29	0. 272753	0. 745	0. 562	1. 03E-24 M2	DUSP1
MAGED2. 5	6. 92E-29	-0. 4155	0. 294	0. 524	1. 03E-24 M2	MAGED2
THSD7A. 4	6. 98E-29	-0. 52058	0. 008	0. 152	1. 04E-24 M2	THSD7A
RP3-47704	7. 07E-29	0. 250467	0. 092	0. 024	1. 06E-24 M2	RP3-47704. 14
WRB. 4	7. 21E-29	-0. 39576	0. 208	0. 435	1. 08E-24 M2	WRB
IGFBP7. 3	7. 22E-29	-0. 6368	0. 103	0. 281	1. 08E-24 M2	IGFBP7
POMGNT1. 4	7. 47E-29	-0. 38097	0. 084	0. 27	1. 12E-24 M2	POMGNT1
NDRG4. 5	7. 52E-29	-0. 37528	0. 018	0. 17	1. 12E-24 M2	NDRG4
PGRMC1. 3	8. 13E-29	-0. 37702	0. 24	0. 462	1. 22E-24 M2	PGRMC1
CHST15. 1	8. 90E-29	0. 35821	0. 112	0. 034	1. 33E-24 M2	CHST15
CREB5. 4	9. 53E-29	-0. 3954	0. 065	0. 247	1. 42E-24 M2	CREB5
DRAXIN. 4	9. 64E-29	-0. 35798	0. 013	0. 162	1. 44E-24 M2	DRAXIN
RP11-71N1	9. 93E-29	-0. 38611	0. 004	0. 145	1. 48E-24 M2	RP11-71N10. 1
DEF6. 5	1. 02E-28	0. 292428	0. 204	0. 083	1. 53E-24 M2	DEF6
SMARCA1. 3	1. 04E-28	-0. 32364	0. 024	0. 182	1. 56E-24 M2	SMARCA1
GAL3ST4. 4	1. 08E-28	0. 407656	0. 309	0. 161	1. 61E-24 M2	GAL3ST4
SEPT8. 5	1. 29E-28	-0. 40002	0. 041	0. 207	1. 92E-24 M2	8-Sep

PCDHB16.3	1.31E-28	-0.343	0.006	0.149	1.96E-24	M2	PCDHB16
MAPKAPK3.	1.42E-28	0.424838	0.299	0.161	2.12E-24	M2	MAPKAPK3
DPF1.4	1.56E-28	-0.38518	0.006	0.15	2.33E-24	M2	DPF1
TERF1.2	1.84E-28	-0.35289	0.129	0.337	2.75E-24	M2	TERF1
PTGER4.5	1.88E-28	0.292385	0.255	0.114	2.81E-24	M2	PTGER4
MSI1.3	1.95E-28	-0.33916	0.004	0.144	2.91E-24	M2	MSI1
ARGLU1.4	1.99E-28	-0.38126	0.264	0.483	2.98E-24	M2	ARGLU1
CHL1.3	2.03E-28	-0.35956	0.014	0.163	3.03E-24	M2	CHL1
RNF24.2	2.04E-28	-0.36031	0.077	0.261	3.05E-24	M2	RNF24
ORMDL2.3	2.09E-28	0.41046	0.414	0.262	3.13E-24	M2	ORMDL2
OFD1.1	2.21E-28	-0.40675	0.093	0.287	3.30E-24	M2	OFD1
PAK3.5	2.53E-28	-0.44282	0.009	0.153	3.79E-24	M2	PAK3
NDN.5	2.55E-28	-0.34657	0.041	0.208	3.81E-24	M2	NDN
MAN1A1.4	2.62E-28	0.265346	0.129	0.042	3.92E-24	M2	MAN1A1
RAB3A.5	2.62E-28	-0.43887	0.022	0.174	3.92E-24	M2	RAB3A
CBS.4	2.83E-28	-0.33844	0.018	0.167	4.22E-24	M2	CBS
SNX6.3	3.00E-28	0.38386	0.54	0.422	4.49E-24	M2	SNX6
DAG1.3	3.22E-28	-0.32425	0.027	0.184	4.81E-24	M2	DAG1
HCFC1R1.2	3.25E-28	0.461877	0.415	0.273	4.86E-24	M2	HCFC1R1
NRSN2.4	3.31E-28	-0.31606	0.022	0.174	4.94E-24	M2	NRSN2
SLC22A18A	3.78E-28	0.222876	0.05	0.008	5.64E-24	M2	SLC22A18AS
SCARA3.4	3.95E-28	-0.33673	0.006	0.147	5.90E-24	M2	SCARA3
SBDS.5	4.03E-28	-0.39415	0.401	0.625	6.02E-24	M2	SBDS
SSBP2.5	4.08E-28	-0.41655	0.091	0.283	6.09E-24	M2	SSBP2
TSPAN6.4	4.15E-28	-0.37046	0.013	0.159	6.21E-24	M2	TSPAN6
CNP.4	4.19E-28	-0.53243	0.185	0.391	6.26E-24	M2	CNP
NXPH1.5	4.28E-28	-0.3836	0.005	0.145	6.40E-24	M2	NXPH1
DPF3.2	4.32E-28	-0.32623	0.005	0.145	6.46E-24	M2	DPF3
PIGX.4	4.45E-28	-0.33259	0.082	0.265	6.65E-24	M2	PIGX
SOCS2.4	4.70E-28	-0.39737	0.019	0.166	7.02E-24	M2	SOCS2
PDRG1.3	4.85E-28	-0.35478	0.091	0.281	7.24E-24	M2	PDRG1
B4GALNT1.	4.92E-28	-0.49737	0.01	0.153	7.35E-24	M2	B4GALNT1
HS3ST1.4	4.94E-28	0.358201	0.194	0.08	7.38E-24	M2	HS3ST1
CD72.4	5.34E-28	0.312889	0.133	0.045	7.98E-24	M2	CD72
WDR60.2	5.37E-28	-0.35415	0.066	0.244	8.02E-24	M2	WDR60
JAM3.2	5.81E-28	-0.34125	0.013	0.159	8.68E-24	M2	JAM3
USP1.4	6.03E-28	-0.34885	0.086	0.271	9.01E-24	M2	USP1
IL6R.5	6.13E-28	0.331063	0.192	0.078	9.16E-24	M2	IL6R
MXRA7.3	6.80E-28	-0.35307	0.024	0.177	1.02E-23	M2	MXRA7
APOD.4	7.70E-28	-0.8778	0.022	0.17	1.15E-23	M2	APOD
RFX4.3	9.32E-28	-0.39759	0.014	0.16	1.39E-23	M2	RFX4
TEAD1.3	9.48E-28	-0.29994	0.011	0.154	1.42E-23	M2	TEAD1
CHMP1B.5	9.69E-28	0.394315	0.558	0.429	1.45E-23	M2	CHMP1B
TLK1.2	1.02E-27	-0.31777	0.064	0.24	1.53E-23	M2	TLK1
TNC.4	1.02E-27	-0.46709	0.046	0.212	1.53E-23	M2	TNC
GAS1.5	1.07E-27	-0.38292	0.011	0.154	1.60E-23	M2	GAS1
ADAM28.5	1.14E-27	0.30653	0.277	0.132	1.70E-23	M2	ADAM28
PPP1R18.5	1.19E-27	0.411838	0.43	0.283	1.78E-23	M2	PPP1R18
LRRC4B.5	1.25E-27	-0.30482	0.005	0.142	1.87E-23	M2	LRRC4B
C5AR2.1	1.26E-27	0.230769	0.064	0.013	1.88E-23	M2	C5AR2
CNIH4.3	1.33E-27	0.422494	0.488	0.365	1.99E-23	M2	CNIH4

APC. 5	1. 34E-27	-0. 34371	0. 055	0. 224	2. 01E-23	M2	APC
ZNF680. 3	1. 36E-27	-0. 36443	0. 029	0. 184	2. 03E-23	M2	ZNF680
RP11-84C1	1. 43E-27	0. 267719	0. 069	0. 015	2. 14E-23	M2	RP11-84C10. 2
EIF3K. 4	1. 44E-27	0. 149313	0. 845	0. 752	2. 15E-23	M2	EIF3K
RAMP2. 4	1. 57E-27	-0. 37966	0. 006	0. 145	2. 35E-23	M2	RAMP2
MVP. 3	1. 58E-27	0. 437855	0. 356	0. 216	2. 35E-23	M2	MVP
IBSP. 3	1. 66E-27	0. 356823	0. 08	0. 02	2. 48E-23	M2	IBSP
ZNF711. 4	1. 70E-27	-0. 36233	0. 01	0. 151	2. 54E-23	M2	ZNF711
SF3B5. 1	1. 82E-27	0. 243789	0. 722	0. 623	2. 71E-23	M2	SF3B5
SEZ6L. 4	1. 86E-27	-0. 4079	0. 006	0. 144	2. 77E-23	M2	SEZ6L
WSCD1. 4	1. 91E-27	-0. 33839	0. 004	0. 14	2. 86E-23	M2	WSCD1
GPSM2. 4	1. 96E-27	-0. 38714	0. 032	0. 187	2. 92E-23	M2	GPSM2
KLC1. 5	2. 11E-27	-0. 39229	0. 17	0. 373	3. 15E-23	M2	KLC1
SELPLG. 4	2. 21E-27	0. 321513	0. 246	0. 112	3. 31E-23	M2	SELPLG
CD109. 1	2. 23E-27	0. 271099	0. 082	0. 021	3. 34E-23	M2	CD109
RAP2B. 5	2. 24E-27	0. 432507	0. 289	0. 156	3. 34E-23	M2	RAP2B
ASNS. 5	2. 33E-27	-0. 38847	0. 032	0. 187	3. 48E-23	M2	ASNS
ABCG1. 5	2. 39E-27	0. 348796	0. 255	0. 122	3. 58E-23	M2	ABCG1
SPINK6	2. 51E-27	0. 103225	0. 026	0. 002	3. 76E-23	M2	SPINK6
CCRL2. 5	2. 52E-27	0. 339844	0. 195	0. 081	3. 76E-23	M2	CCRL2
CTSF. 4	2. 53E-27	-0. 37213	0. 097	0. 282	3. 78E-23	M2	CTSF
CFLAR. 4	2. 54E-27	0. 390903	0. 455	0. 309	3. 80E-23	M2	CFLAR
KNOP1. 4	2. 56E-27	-0. 34984	0. 088	0. 272	3. 82E-23	M2	KNOP1
CERS1. 3	2. 59E-27	-0. 32176	0. 003	0. 137	3. 87E-23	M2	CERS1
NKTR. 3	2. 63E-27	-0. 36545	0. 158	0. 371	3. 92E-23	M2	NKTR
PTRF. 5	2. 80E-27	-0. 38081	0. 037	0. 196	4. 18E-23	M2	PTRF
SPARCL1. 4	2. 85E-27	-0. 64987	0. 172	0. 358	4. 26E-23	M2	SPARCL1
VBP1. 4	2. 92E-27	-0. 39408	0. 28	0. 502	4. 37E-23	M2	VBP1
SMARCD3. 4	3. 03E-27	-0. 32211	0. 068	0. 243	4. 52E-23	M2	SMARCD3
ZNF267. 5	3. 34E-27	0. 433634	0. 249	0. 124	4. 99E-23	M2	ZNF267
KMT2A. 5	3. 38E-27	-0. 3733	0. 074	0. 248	5. 04E-23	M2	KMT2A
CD209	3. 41E-27	0. 137049	0. 047	0. 007	5. 10E-23	M2	CD209
PNMA2. 4	3. 52E-27	-0. 34246	0. 009	0. 148	5. 26E-23	M2	PNMA2
YWHAE. 4	3. 56E-27	-0. 27069	0. 681	0. 757	5. 32E-23	M2	YWHAE
CNIH2. 5	3. 63E-27	-0. 29886	0. 004	0. 139	5. 43E-23	M2	CNIH2
SPOCK2. 3	3. 66E-27	-0. 36883	0. 009	0. 149	5. 47E-23	M2	SPOCK2
TRIM44. 4	3. 95E-27	-0. 36673	0. 112	0. 299	5. 90E-23	M2	TRIM44
ATP5C1. 4	4. 06E-27	0. 260266	0. 672	0. 58	6. 06E-23	M2	ATP5C1
HPSE. 4	4. 18E-27	0. 302068	0. 146	0. 052	6. 25E-23	M2	HPSE
CYB5R4. 5	4. 22E-27	0. 421067	0. 3	0. 167	6. 31E-23	M2	CYB5R4
DPYSL4. 5	4. 49E-27	-0. 30386	0. 018	0. 164	6. 72E-23	M2	DPYSL4
SUN1. 5	4. 62E-27	-0. 35845	0. 052	0. 219	6. 90E-23	M2	SUN1
C5orf24. 4	4. 75E-27	-0. 34127	0. 116	0. 309	7. 10E-23	M2	C5orf24
PJA1. 3	4. 81E-27	-0. 37411	0. 043	0. 203	7. 20E-23	M2	PJA1
GM2A. 4	5. 03E-27	0. 44205	0. 263	0. 135	7. 52E-23	M2	GM2A
NNT-AS1. 4	5. 23E-27	-0. 36743	0. 061	0. 233	7. 82E-23	M2	NNT-AS1
PCMTD2. 4	5. 38E-27	-0. 32266	0. 066	0. 239	8. 05E-23	M2	PCMTD2
SNCA. 5	5. 52E-27	0. 292479	0. 278	0. 134	8. 25E-23	M2	SNCA
APBB1IP. 5	5. 88E-27	0. 270228	0. 301	0. 146	8. 78E-23	M2	APBB1IP
SNAP25. 4	6. 03E-27	-0. 47992	0. 011	0. 152	9. 01E-23	M2	SNAP25
DPYD. 3	6. 13E-27	0. 312981	0. 211	0. 093	9. 16E-23	M2	DPYD

BIN2. 5	6. 56E-27	0. 245268	0. 235	0. 104	9. 81E-23	M2	BIN2
H3F3B. 5	6. 84E-27	-0. 2303	0. 987	0. 969	1. 02E-22	M2	H3F3B
RAC3. 4	6. 86E-27	-0. 32689	0. 037	0. 193	1. 03E-22	M2	RAC3
LHX2. 5	7. 82E-27	-0. 32102	0. 005	0. 139	1. 17E-22	M2	LHX2
VIM. 4	7. 94E-27	0. 224037	0. 925	0. 645	1. 19E-22	M2	VIM
BPGM. 2	8. 15E-27	-0. 37794	0. 072	0. 245	1. 22E-22	M2	BPGM
FIP1L1. 2	8. 72E-27	-0. 39189	0. 12	0. 309	1. 30E-22	M2	FIP1L1
C8orf4. 4	9. 39E-27	-0. 75353	0. 07	0. 239	1. 40E-22	M2	C8orf4
SEMA4A. 5	9. 70E-27	0. 291986	0. 129	0. 044	1. 45E-22	M2	SEMA4A
PPM1K. 1	9. 94E-27	-0. 41244	0. 066	0. 235	1. 49E-22	M2	PPM1K
NAE1. 3	1. 00E-26	-0. 36608	0. 151	0. 354	1. 49E-22	M2	NAE1
C11orf49. 1	1. 00E-26	-0. 34113	0. 072	0. 249	1. 50E-22	M2	C11orf49
CCL13	1. 03E-26	0. 126539	0. 041	0. 006	1. 54E-22	M2	CCL13
COLGALT2. 1	1. 05E-26	-0. 32283	0. 01	0. 148	1. 56E-22	M2	COLGALT2
CERS4. 4	1. 09E-26	-0. 33941	0. 049	0. 21	1. 63E-22	M2	CERS4
ELF1. 5	1. 12E-26	0. 359804	0. 392	0. 233	1. 68E-22	M2	ELF1
POLR2L. 2	1. 14E-26	0. 201414	0. 791	0. 68	1. 70E-22	M2	POLR2L
TMEM51. 4	1. 27E-26	0. 412791	0. 23	0. 111	1. 89E-22	M2	TMEM51
ZNF75A. 4	1. 32E-26	-0. 33794	0. 057	0. 225	1. 97E-22	M2	ZNF75A
GLIPR2. 4	1. 39E-26	0. 478251	0. 392	0. 26	2. 08E-22	M2	GLIPR2
POLD2. 4	1. 44E-26	-0. 37316	0. 218	0. 436	2. 15E-22	M2	POLD2
CST7. 3	1. 49E-26	0. 236032	0. 103	0. 03	2. 23E-22	M2	CST7
CNN2. 3	1. 54E-26	0. 378911	0. 156	0. 06	2. 29E-22	M2	CNN2
KLHL4. 3	1. 62E-26	-0. 31664	0. 004	0. 136	2. 42E-22	M2	KLHL4
RASGRP4. 2	1. 64E-26	0. 22046	0. 072	0. 016	2. 46E-22	M2	RASGRP4
NPTXR. 4	1. 73E-26	-0. 28584	0. 004	0. 136	2. 58E-22	M2	NPTXR
TMEM106B. 1	1. 82E-26	-0. 35354	0. 143	0. 344	2. 72E-22	M2	TMEM106B
REL. 5	1. 83E-26	0. 351706	0. 453	0. 287	2. 74E-22	M2	REL
CDKN2C. 3	1. 86E-26	-0. 47366	0. 111	0. 294	2. 77E-22	M2	CDKN2C
TROVE2. 4	1. 99E-26	-0. 41609	0. 239	0. 447	2. 98E-22	M2	TROVE2
C21orf62. 2	2. 30E-26	-0. 41631	0. 023	0. 167	3. 44E-22	M2	C21orf62
C8orf46. 3	2. 32E-26	-0. 41111	0. 011	0. 149	3. 46E-22	M2	C8orf46
ZC2HC1A. 4	2. 33E-26	-0. 41023	0. 059	0. 221	3. 49E-22	M2	ZC2HC1A
ZNF146. 3	2. 33E-26	-0. 32606	0. 068	0. 239	3. 49E-22	M2	ZNF146
TFPT. 3	2. 59E-26	0. 428384	0. 428	0. 3	3. 86E-22	M2	TFPT
ABAT. 5	2. 67E-26	-0. 3585	0. 024	0. 169	3. 99E-22	M2	ABAT
C1orf21. 5	2. 69E-26	-0. 39172	0. 051	0. 211	4. 02E-22	M2	C1orf21
MAF. 4	2. 69E-26	0. 305356	0. 259	0. 126	4. 02E-22	M2	MAF
KLHL7. 3	2. 74E-26	-0. 3623	0. 107	0. 291	4. 09E-22	M2	KLHL7
PRKAG2-AS	2. 89E-26	0. 412032	0. 241	0. 116	4. 32E-22	M2	PRKAG2-AS1
TIA1. 5	3. 10E-26	-0. 33945	0. 082	0. 26	4. 63E-22	M2	TIA1
NAGA. 5	3. 35E-26	0. 381145	0. 317	0. 175	5. 01E-22	M2	NAGA
PPCS. 2	3. 77E-26	0. 40903	0. 448	0. 311	5. 63E-22	M2	PPCS
KIFC3. 1	3. 81E-26	0. 424993	0. 208	0. 097	5. 69E-22	M2	KIFC3
CSTF3. 3	3. 88E-26	-0. 36286	0. 096	0. 279	5. 80E-22	M2	CSTF3
DLL3. 4	3. 89E-26	-0. 55022	0. 015	0. 153	5. 81E-22	M2	DLL3
ASF1A. 4	4. 02E-26	-0. 33682	0. 073	0. 246	6. 01E-22	M2	ASF1A
CXorf21. 5	4. 20E-26	0. 256572	0. 175	0. 069	6. 28E-22	M2	CXorf21
SMARCC2. 4	4. 54E-26	-0. 34379	0. 095	0. 275	6. 78E-22	M2	SMARCC2
RP11-849I	4. 62E-26	-0. 37224	0. 008	0. 141	6. 91E-22	M2	RP11-849I19. 1
GPATCH8. 3	4. 64E-26	-0. 37446	0. 128	0. 316	6. 94E-22	M2	GPATCH8



GDI1. 4	4. 91E-26	-0. 3551	0. 286	0. 5	7. 34E-22 M2	GDI1
HPRT1. 5	4. 96E-26	0. 388658	0. 367	0. 221	7. 42E-22 M2	HPRT1
NDRG1. 2	5. 14E-26	0. 333024	0. 305	0. 162	7. 69E-22 M2	NDRG1
AC004158.	5. 18E-26	-0. 34778	0. 003	0. 131	7. 74E-22 M2	AC004158. 3
MILR1. 5	5. 26E-26	0. 272663	0. 209	0. 091	7. 87E-22 M2	MILR1
STX4. 3	5. 78E-26	0. 434417	0. 441	0. 305	8. 63E-22 M2	STX4
NKAIN3. 4	5. 93E-26	-0. 31881	0. 004	0. 133	8. 85E-22 M2	NKAIN3
TRIM36. 5	6. 08E-26	-0. 29733	0. 038	0. 192	9. 08E-22 M2	TRIM36
CALHM2. 3	6. 11E-26	0. 32118	0. 144	0. 054	9. 12E-22 M2	CALHM2
BCL7A. 5	6. 56E-26	-0. 36131	0. 019	0. 159	9. 81E-22 M2	BCL7A
GPR35	6. 69E-26	0. 148558	0. 063	0. 013	9. 99E-22 M2	GPR35
OBSL1. 4	6. 94E-26	-0. 33366	0. 017	0. 155	1. 04E-21 M2	OBSL1
PPBP	8. 16E-26	0. 185805	0. 026	0. 002	1. 22E-21 M2	PPBP
ARL4D. 5	8. 64E-26	-0. 39814	0. 031	0. 179	1. 29E-21 M2	ARL4D
PXMP2. 3	9. 28E-26	-0. 3366	0. 069	0. 234	1. 39E-21 M2	PXMP2
RNASEH1-A	1. 02E-25	-0. 31028	0. 036	0. 188	1. 52E-21 M2	RNASEH1-AS1
GPRIN3. 5	1. 02E-25	0. 299731	0. 143	0. 052	1. 53E-21 M2	GPRIN3
MS4A14. 4	1. 04E-25	0. 243265	0. 075	0. 018	1. 55E-21 M2	MS4A14
SLC35F1. 3	1. 11E-25	-0. 25312	0. 005	0. 134	1. 66E-21 M2	SLC35F1
BBOX1. 4	1. 12E-25	-0. 42266	0. 011	0. 146	1. 67E-21 M2	BBOX1
RSBN1L. 3	1. 14E-25	-0. 36229	0. 17	0. 368	1. 70E-21 M2	RSBN1L
CD302. 5	1. 16E-25	0. 356257	0. 342	0. 195	1. 73E-21 M2	CD302
CNTFR. 4	1. 16E-25	-0. 33156	0. 008	0. 139	1. 74E-21 M2	CNTFR
PNISR. 2	1. 20E-25	-0. 34546	0. 416	0. 626	1. 79E-21 M2	PNISR
IFT81. 3	1. 34E-25	-0. 26678	0. 024	0. 168	2. 00E-21 M2	IFT81
HRAS. 5	1. 38E-25	-0. 33655	0. 123	0. 306	2. 06E-21 M2	HRAS
LAMTOR4	1. 47E-25	0. 155296	0. 848	0. 758	2. 19E-21 M2	LAMTOR4
DENND3. 5	1. 50E-25	0. 364994	0. 208	0. 093	2. 24E-21 M2	DENND3
LINC00662	1. 50E-25	-0. 34862	0. 04	0. 193	2. 24E-21 M2	LINC00662
TSN. 3	1. 53E-25	-0. 3325	0. 183	0. 391	2. 28E-21 M2	TSN
PPFIBP1. 3	1. 65E-25	-0. 31329	0. 023	0. 165	2. 47E-21 M2	PPFIBP1
PIK3R5. 5	1. 70E-25	0. 267304	0. 124	0. 042	2. 54E-21 M2	PIK3R5
ALKBH4. 3	1. 82E-25	-0. 33883	0. 051	0. 209	2. 72E-21 M2	ALKBH4
SOBP. 4	1. 85E-25	-0. 30205	0. 01	0. 143	2. 76E-21 M2	SOBP
ZFR. 3	2. 02E-25	-0. 34377	0. 128	0. 318	3. 02E-21 M2	ZFR
FAM195A. 3	2. 04E-25	0. 444576	0. 372	0. 246	3. 05E-21 M2	FAM195A
LBH. 5	2. 13E-25	-0. 46768	0. 023	0. 163	3. 18E-21 M2	LBH
MED19. 2	2. 25E-25	-0. 34196	0. 11	0. 294	3. 36E-21 M2	MED19
PLA2G7. 4	2. 29E-25	0. 326463	0. 129	0. 046	3. 42E-21 M2	PLA2G7
TMED9. 2	2. 46E-25	0. 152006	0. 77	0. 683	3. 67E-21 M2	TMED9
KCNF1. 5	2. 50E-25	-0. 33499	0. 005	0. 132	3. 74E-21 M2	KCNF1
RTKN. 5	2. 53E-25	-0. 34033	0. 033	0. 181	3. 78E-21 M2	RTKN
SLC16A1. 5	2. 65E-25	-0. 38042	0. 077	0. 245	3. 96E-21 M2	SLC16A1
RASGRP3. 4	2. 73E-25	0. 308048	0. 16	0. 062	4. 07E-21 M2	RASGRP3
CCL3L3. 3	2. 87E-25	0. 324861	0. 137	0. 048	4. 29E-21 M2	CCL3L3
BRIX1. 5	2. 97E-25	-0. 37205	0. 089	0. 265	4. 44E-21 M2	BRIX1
PIPOX. 4	3. 07E-25	-0. 3102	0. 01	0. 141	4. 58E-21 M2	PIPOX
ST3GAL1. 5	3. 24E-25	0. 344796	0. 208	0. 095	4. 84E-21 M2	ST3GAL1
CCT2. 1	3. 25E-25	-0. 41435	0. 344	0. 56	4. 86E-21 M2	CCT2
BPTF. 3	3. 27E-25	-0. 34185	0. 137	0. 323	4. 89E-21 M2	BPTF
BEND6. 4	3. 33E-25	-0. 25774	0. 003	0. 127	4. 98E-21 M2	BEND6

SEPT4. 5	3. 36E-25	-0. 5118	0. 009	0. 138	5. 02E-21 M2	4-Sep
DHPS. 4	3. 37E-25	-0. 36522	0. 244	0. 461	5. 03E-21 M2	DHPS
DLX5. 5	3. 37E-25	-0. 68473	0. 019	0. 153	5. 03E-21 M2	DLX5
WASL. 3	3. 46E-25	-0. 29535	0. 041	0. 194	5. 16E-21 M2	WASL
TPPP3. 5	3. 48E-25	-0. 51714	0. 023	0. 163	5. 20E-21 M2	TPPP3
PDGFRA. 4	3. 53E-25	-0. 39938	0. 02	0. 157	5. 28E-21 M2	PDGFRA
TNRC6C. 4	3. 67E-25	-0. 33343	0. 034	0. 181	5. 48E-21 M2	TNRC6C
CCZ1. 2	3. 69E-25	-0. 30969	0. 162	0. 364	5. 51E-21 M2	CCZ1
GLA. 5	3. 92E-25	0. 372298	0. 347	0. 206	5. 86E-21 M2	GLA
MATR3. 4	3. 96E-25	-0. 33826	0. 292	0. 5	5. 92E-21 M2	MATR3
AQP4. 4	4. 10E-25	-0. 54102	0. 032	0. 175	6. 13E-21 M2	AQP4
MT1G. 4	4. 20E-25	0. 293613	0. 243	0. 119	6. 28E-21 M2	MT1G
ATP1A3. 4	4. 29E-25	-0. 42205	0. 004	0. 129	6. 42E-21 M2	ATP1A3
SLC37A3. 3	4. 34E-25	-0. 34265	0. 009	0. 138	6. 49E-21 M2	SLC37A3
PHLDA3. 2	4. 77E-25	-0. 33364	0. 034	0. 181	7. 13E-21 M2	PHLDA3
RNF157. 4	4. 83E-25	-0. 31468	0. 011	0. 143	7. 22E-21 M2	RNF157
LMAN2. 2	4. 91E-25	0. 237292	0. 658	0. 568	7. 34E-21 M2	LMAN2
FSCN1. 5	4. 94E-25	-0. 37831	0. 323	0. 517	7. 38E-21 M2	FSCN1
ASIC4. 4	4. 95E-25	-0. 50154	0. 015	0. 148	7. 40E-21 M2	ASIC4
BEND5. 3	5. 26E-25	-0. 33355	0. 013	0. 146	7. 86E-21 M2	BEND5
CEND1. 3	5. 28E-25	-0. 31417	0. 014	0. 147	7. 89E-21 M2	CEND1
HIBCH. 3	5. 37E-25	-0. 37886	0. 086	0. 255	8. 02E-21 M2	HIBCH
NUP107. 5	5. 55E-25	-0. 49163	0. 074	0. 234	8. 29E-21 M2	NUP107
PHC2. 3	5. 73E-25	0. 53412	0. 391	0. 269	8. 57E-21 M2	PHC2
AMPD3. 3	6. 02E-25	0. 27532	0. 13	0. 046	8. 99E-21 M2	AMPD3
ATP5H. 2	6. 22E-25	0. 189667	0. 741	0. 643	9. 29E-21 M2	ATP5H
TSPAN12. 3	6. 29E-25	-0. 32123	0. 004	0. 129	9. 40E-21 M2	TSPAN12
TCF12. 5	6. 41E-25	-0. 37242	0. 119	0. 296	9. 58E-21 M2	TCF12
KDM1A. 3	6. 55E-25	-0. 31642	0. 056	0. 214	9. 78E-21 M2	KDM1A
WHSC1L1. 5	6. 69E-25	-0. 33577	0. 189	0. 386	9. 99E-21 M2	WHSC1L1
BHLHE40. 4	7. 01E-25	0. 466916	0. 313	0. 185	1. 05E-20 M2	BHLHE40
PFKM. 2	7. 22E-25	-0. 35131	0. 043	0. 193	1. 08E-20 M2	PFKM
DDAH1. 4	7. 26E-25	-0. 29644	0. 006	0. 133	1. 08E-20 M2	DDAH1
CHST12. 3	7. 69E-25	-0. 32873	0. 087	0. 257	1. 15E-20 M2	CHST12
CST6. 1	7. 80E-25	0. 249551	0. 059	0. 012	1. 17E-20 M2	CST6
OTUD1. 5	8. 04E-25	0. 313726	0. 204	0. 091	1. 20E-20 M2	OTUD1
ASPHD1. 3	8. 30E-25	-0. 33742	0. 014	0. 146	1. 24E-20 M2	ASPHD1
XBP1. 5	8. 55E-25	0. 354208	0. 497	0. 362	1. 28E-20 M2	XBP1
ALDH7A1. 2	8. 60E-25	-0. 35465	0. 109	0. 287	1. 28E-20 M2	ALDH7A1
PSD3. 4	8. 64E-25	-0. 31327	0. 05	0. 205	1. 29E-20 M2	PSD3
SELT. 2	8. 82E-25	0. 196056	0. 731	0. 654	1. 32E-20 M2	SELT
SLC1A2. 3	8. 93E-25	-0. 36054	0. 013	0. 144	1. 33E-20 M2	SLC1A2
KCNMB4. 5	9. 82E-25	-0. 3704	0. 006	0. 132	1. 47E-20 M2	KCNMB4
TMEM173. 5	1. 00E-24	0. 299089	0. 248	0. 118	1. 50E-20 M2	TMEM173
HLX. 2	1. 19E-24	0. 268927	0. 11	0. 036	1. 79E-20 M2	HLX
SLC17A9. 4	1. 20E-24	0. 239453	0. 089	0. 025	1. 80E-20 M2	SLC17A9
BAZ1B. 5	1. 27E-24	-0. 31565	0. 129	0. 31	1. 89E-20 M2	BAZ1B
ZNF397. 3	1. 29E-24	-0. 34077	0. 031	0. 172	1. 92E-20 M2	ZNF397
RP4-665J2	1. 36E-24	-0. 30718	0. 008	0. 134	2. 03E-20 M2	RP4-665J23. 1
ALKBH2. 5	1. 38E-24	-0. 34257	0. 051	0. 205	2. 06E-20 M2	ALKBH2
AC004540.	1. 41E-24	-0. 43165	0. 006	0. 131	2. 10E-20 M2	AC004540. 4

UPF3A.4	1.45E-24	-0.34731	0.161	0.358	2.17E-20 M2	UPF3A
SLC44A2.3	1.46E-24	-0.35454	0.057	0.213	2.19E-20 M2	SLC44A2
RDX.4	1.47E-24	-0.36991	0.318	0.503	2.20E-20 M2	RDX
SMARCD1.5	1.49E-24	-0.28458	0.063	0.225	2.23E-20 M2	SMARCD1
SLC38A1.2	1.59E-24	-0.41535	0.018	0.15	2.38E-20 M2	SLC38A1
VAV1.5	1.67E-24	0.26506	0.167	0.067	2.49E-20 M2	VAV1
ITGA4.4	1.76E-24	0.250633	0.114	0.038	2.62E-20 M2	ITGA4
SEZ6.5	1.76E-24	-0.3907	0.017	0.148	2.64E-20 M2	SEZ6
PTPRE.5	1.77E-24	0.393234	0.397	0.261	2.64E-20 M2	PTPRE
KCNE3.4	1.84E-24	0.204566	0.083	0.022	2.74E-20 M2	KCNE3
GADD45A.5	1.86E-24	-0.40878	0.111	0.291	2.78E-20 M2	GADD45A
KIF1A.4	1.92E-24	-0.41606	0.009	0.134	2.88E-20 M2	KIF1A
WWTR1.5	1.93E-24	-0.33328	0.029	0.169	2.89E-20 M2	WWTR1
EHMT2.4	2.03E-24	-0.30313	0.055	0.211	3.03E-20 M2	EHMT2
WNK3.3	2.03E-24	-0.28826	0.005	0.128	3.04E-20 M2	WNK3
EEF1A1.5	2.09E-24	-0.34055	0.816	0.826	3.13E-20 M2	EEF1A1
GRIA4.4	2.16E-24	-0.33202	0.01	0.138	3.22E-20 M2	GRIA4
COLGALT1.2	2.16E-24	0.44701	0.308	0.184	3.23E-20 M2	COLGALT1
C14orf1.4	2.21E-24	-0.34546	0.121	0.304	3.30E-20 M2	C14orf1
LINC01003	2.24E-24	-0.28377	0.049	0.202	3.35E-20 M2	LINC01003
GCAT.5	2.31E-24	-0.25571	0.029	0.17	3.46E-20 M2	GCAT
CLDN7.1	2.64E-24	0.154136	0.066	0.015	3.95E-20 M2	CLDN7
VWA1.5	2.80E-24	-0.30761	0.019	0.153	4.18E-20 M2	VWA1
HMHA1.5	3.16E-24	0.299074	0.22	0.1	4.72E-20 M2	HMHA1
DYNC1LI2.3	3.27E-24	-0.32084	0.165	0.357	4.89E-20 M2	DYNC1LI2
MSMO1.4	3.28E-24	-0.37236	0.059	0.211	4.90E-20 M2	MSMO1
ZNF827.4	3.57E-24	-0.26976	0.003	0.122	5.34E-20 M2	ZNF827
SYP.5	3.75E-24	-0.39439	0.014	0.142	5.61E-20 M2	SYP
MARCH6.4	3.77E-24	-0.33388	0.172	0.37	5.63E-20 M2	6-Mar
PPIC.3	3.79E-24	-0.35694	0.045	0.193	5.67E-20 M2	PPIC
MSN.5	3.80E-24	0.379491	0.485	0.368	5.67E-20 M2	MSN
SPG21.4	3.88E-24	0.387426	0.484	0.378	5.80E-20 M2	SPG21
PER1.4	4.04E-24	0.425128	0.305	0.176	6.04E-20 M2	PER1
CASP1.4	4.14E-24	0.319483	0.365	0.216	6.18E-20 M2	CASP1
TIMP3.3	4.29E-24	-0.36117	0.009	0.134	6.40E-20 M2	TIMP3
PITPNA-AS	4.32E-24	-0.29102	0.051	0.206	6.46E-20 M2	PITPNA-AS1
TMED4.4	4.48E-24	-0.36559	0.243	0.452	6.69E-20 M2	TMED4
TIMM44.3	4.54E-24	-0.31798	0.101	0.274	6.79E-20 M2	TIMM44
TMEM97.3	4.64E-24	-0.31144	0.037	0.181	6.94E-20 M2	TMEM97
TMEM50A.4	5.27E-24	0.200074	0.674	0.586	7.87E-20 M2	TMEM50A
EHD4.5	5.47E-24	0.306979	0.189	0.084	8.17E-20 M2	EHD4
NR2F6.4	5.57E-24	-0.25688	0.018	0.15	8.33E-20 M2	NR2F6
NDUFA4.4	5.71E-24	-0.2753	0.87	0.897	8.54E-20 M2	NDUFA4
OST4.2	5.82E-24	0.114256	0.865	0.774	8.69E-20 M2	OST4
CD151.4	5.87E-24	0.238299	0.607	0.473	8.77E-20 M2	CD151
ARID4B.4	6.05E-24	-0.32339	0.215	0.419	9.04E-20 M2	ARID4B
COX11.3	6.12E-24	-0.35787	0.144	0.331	9.15E-20 M2	COX11
NAALADL1.6	6.44E-24	0.165781	0.064	0.015	9.62E-20 M2	NAALADL1
PPAT.3	6.61E-24	-0.28794	0.02	0.153	9.88E-20 M2	PPAT
AKAP7.5	6.68E-24	-0.33187	0.054	0.205	9.98E-20 M2	AKAP7
RNH1.3	6.72E-24	0.257368	0.619	0.532	1.00E-19 M2	RNH1

MYO10.4	6.77E-24	-0.31166	0.052	0.204	1.01E-19 M2	MYO10
SUB1.3	7.06E-24	-0.28508	0.662	0.763	1.05E-19 M2	SUB1
ECM1.1	7.16E-24	0.368773	0.109	0.037	1.07E-19 M2	ECM1
ZNF131.4	7.19E-24	-0.31402	0.078	0.243	1.08E-19 M2	ZNF131
FABP3.2	7.22E-24	0.308985	0.123	0.043	1.08E-19 M2	FABP3
TLN1.5	7.56E-24	0.429061	0.405	0.276	1.13E-19 M2	TLN1
BRD3.4	7.87E-24	-0.32463	0.111	0.286	1.18E-19 M2	BRD3
LHFPL3.5	7.93E-24	-0.35366	0.006	0.128	1.18E-19 M2	LHFPL3
TBCB.3	8.03E-24	-0.36967	0.496	0.67	1.20E-19 M2	TBCB
ZNF83.1	8.08E-24	-0.28584	0.054	0.208	1.21E-19 M2	ZNF83
TMEM25.4	8.14E-24	-0.29693	0.008	0.131	1.22E-19 M2	TMEM25
FUCA2.5	8.48E-24	0.414894	0.363	0.234	1.27E-19 M2	FUCA2
ZNF91.2	9.18E-24	-0.28341	0.061	0.22	1.37E-19 M2	ZNF91
EFNA1.3	1.03E-23	-0.41771	0.011	0.137	1.53E-19 M2	EFNA1
C1QL1.4	1.05E-23	-0.32553	0.004	0.122	1.57E-19 M2	C1QL1
INSM1.5	1.06E-23	-0.33041	0.005	0.125	1.59E-19 M2	INSM1
UQCR10.2	1.08E-23	0.163958	0.831	0.735	1.62E-19 M2	UQCR10
CDC34.4	1.10E-23	-0.30312	0.082	0.246	1.64E-19 M2	CDC34
DRAM1.2	1.11E-23	0.335809	0.16	0.067	1.65E-19 M2	DRAM1
CDKN2D.5	1.23E-23	-0.3118	0.031	0.169	1.84E-19 M2	CDKN2D
RFTN2.5	1.24E-23	-0.3791	0.011	0.136	1.85E-19 M2	RFTN2
GLCCI1.4	1.27E-23	-0.42924	0.027	0.16	1.90E-19 M2	GLCCI1
RNASE4.1	1.27E-23	0.342283	0.098	0.031	1.90E-19 M2	RNASE4
ARSJ.3	1.31E-23	-0.2919	0.01	0.133	1.96E-19 M2	ARSJ
YES1.2	1.35E-23	-0.25466	0.013	0.139	2.02E-19 M2	YES1
SIGIRR.4	1.39E-23	0.436862	0.312	0.188	2.07E-19 M2	SIGIRR
S100A12.1	1.40E-23	0.126501	0.036	0.005	2.10E-19 M2	S100A12
STK17B.5	1.45E-23	0.313142	0.25	0.124	2.17E-19 M2	STK17B
NCOR1.4	1.55E-23	-0.3209	0.28	0.477	2.31E-19 M2	NCOR1
PPP1R16A.1	1.60E-23	-0.3005	0.037	0.179	2.39E-19 M2	PPP1R16A
SLC25A5.2	1.64E-23	0.144842	0.799	0.716	2.46E-19 M2	SLC25A5
CFP.1	1.65E-23	0.197185	0.059	0.013	2.46E-19 M2	CFP
TMOD1.3	1.80E-23	-0.43136	0.031	0.166	2.69E-19 M2	TMOD1
ITGA7.3	1.85E-23	-0.22699	0.017	0.145	2.76E-19 M2	ITGA7
CKLF.5	1.86E-23	0.268884	0.623	0.512	2.78E-19 M2	CKLF
UBE2L3.4	1.87E-23	0.290397	0.609	0.53	2.80E-19 M2	UBE2L3
EPM2AIP1.1	1.91E-23	-0.32754	0.056	0.208	2.85E-19 M2	EPM2AIP1
HIGD2A.4	1.91E-23	0.191318	0.713	0.612	2.86E-19 M2	HIGD2A
CAMK2D.3	1.92E-23	-0.35781	0.092	0.254	2.87E-19 M2	CAMK2D
ILF3-AS1.1	1.95E-23	-0.29919	0.133	0.322	2.91E-19 M2	ILF3-AS1
RP11-345F.1	1.99E-23	-0.27974	0.033	0.173	2.98E-19 M2	RP11-345P4.9
LINC00152.1	2.00E-23	0.400189	0.378	0.25	2.99E-19 M2	LINC00152
HNRNPA2B1.1	2.05E-23	-0.28222	0.76	0.851	3.06E-19 M2	HNRNPA2B1
DENND1C.4	2.07E-23	0.23925	0.096	0.029	3.09E-19 M2	DENND1C
MYL6B.4	2.09E-23	-0.31234	0.258	0.455	3.13E-19 M2	MYL6B
ANKIB1.4	2.16E-23	-0.27533	0.063	0.219	3.22E-19 M2	ANKIB1
SDF2L1.2	2.19E-23	0.395879	0.466	0.352	3.28E-19 M2	SDF2L1
KIF2A.5	2.20E-23	-0.33583	0.086	0.246	3.29E-19 M2	KIF2A
COX14.2	2.23E-23	0.301043	0.562	0.453	3.33E-19 M2	COX14
KIF5A.4	2.29E-23	-0.3786	0.009	0.13	3.43E-19 M2	KIF5A
TMEM237.3	2.32E-23	-0.31468	0.05	0.196	3.47E-19 M2	TMEM237

CLCN3. 3	2. 35E-23	-0. 31326	0. 095	0. 259	3. 51E-19 M2	CLCN3
IFT57. 5	2. 41E-23	-0. 37998	0. 093	0. 258	3. 60E-19 M2	IFT57
COMT. 5	2. 48E-23	0. 259466	0. 641	0. 54	3. 71E-19 M2	COMT
RGMB. 4	2. 49E-23	-0. 40654	0. 015	0. 14	3. 73E-19 M2	RGMB
MFSD7. 4	2. 52E-23	0. 200337	0. 092	0. 027	3. 77E-19 M2	MFSD7
ANKS3. 3	2. 57E-23	-0. 30877	0. 037	0. 178	3. 84E-19 M2	ANKS3
TPM2. 2	2. 77E-23	-0. 37724	0. 036	0. 172	4. 14E-19 M2	TPM2
COPS8. 5	2. 79E-23	-0. 35205	0. 271	0. 484	4. 17E-19 M2	COPS8
STARD4-AS	2. 85E-23	-0. 28499	0. 011	0. 135	4. 26E-19 M2	STARD4-AS1
STMN2. 5	2. 90E-23	-0. 79174	0. 059	0. 196	4. 33E-19 M2	STMN2
SALL1. 4	2. 91E-23	-0. 27008	0. 018	0. 146	4. 34E-19 M2	SALL1
ZNF43. 3	3. 05E-23	-0. 26834	0. 018	0. 146	4. 56E-19 M2	ZNF43
CHST10. 2	3. 20E-23	-0. 25767	0. 019	0. 148	4. 78E-19 M2	CHST10
ZNF771. 4	3. 23E-23	-0. 26859	0. 024	0. 155	4. 82E-19 M2	ZNF771
ADORA1. 3	3. 29E-23	-0. 29539	0. 009	0. 13	4. 92E-19 M2	ADORA1
CLIC4. 4	3. 41E-23	-0. 38617	0. 161	0. 345	5. 09E-19 M2	CLIC4
ZNF439. 4	3. 41E-23	-0. 27401	0. 024	0. 157	5. 09E-19 M2	ZNF439
RXRA. 2	3. 50E-23	0. 412776	0. 192	0. 09	5. 23E-19 M2	RXRA
ZNF493. 3	3. 56E-23	-0. 28793	0. 031	0. 167	5. 33E-19 M2	ZNF493
HSPBP1. 2	3. 62E-23	-0. 3047	0. 123	0. 299	5. 41E-19 M2	HSPBP1
ARF1. 4	3. 90E-23	0. 150928	0. 76	0. 689	5. 83E-19 M2	ARF1
NT5C3B. 4	4. 11E-23	-0. 30851	0. 158	0. 344	6. 15E-19 M2	NT5C3B
ARMC1. 4	4. 13E-23	-0. 32896	0. 106	0. 275	6. 18E-19 M2	ARMC1
NRXN2. 5	4. 26E-23	-0. 34116	0. 006	0. 124	6. 37E-19 M2	NRXN2
DIRAS3. 4	4. 31E-23	-0. 52939	0. 01	0. 132	6. 44E-19 M2	DIRAS3
LINC00511	4. 57E-23	-0. 28509	0. 008	0. 127	6. 83E-19 M2	LINC00511
CD180. 4	4. 58E-23	0. 211441	0. 101	0. 032	6. 85E-19 M2	CD180
TAF9B. 2	4. 70E-23	-0. 29128	0. 023	0. 153	7. 03E-19 M2	TAF9B
SOX6. 4	4. 91E-23	-0. 29964	0. 02	0. 15	7. 34E-19 M2	SOX6
RHBDD2. 4	5. 01E-23	-0. 33591	0. 269	0. 473	7. 48E-19 M2	RHBDD2
EHBP1. 3	5. 08E-23	-0. 25638	0. 037	0. 176	7. 59E-19 M2	EHBP1
ACSS3. 3	5. 37E-23	-0. 24112	0. 004	0. 119	8. 03E-19 M2	ACSS3
PMAIP1. 5	5. 65E-23	0. 286223	0. 179	0. 077	8. 44E-19 M2	PMAIP1
IRF2BPL. 4	5. 65E-23	-0. 32097	0. 089	0. 252	8. 45E-19 M2	IRF2BPL
RBBP7. 4	5. 87E-23	-0. 35504	0. 236	0. 438	8. 78E-19 M2	RBBP7
TIMM22. 2	5. 98E-23	-0. 31725	0. 091	0. 254	8. 93E-19 M2	TIMM22
NTHL1. 2	6. 04E-23	-0. 30633	0. 05	0. 197	9. 03E-19 M2	NTHL1
LRWD1. 2	6. 07E-23	-0. 27467	0. 04	0. 179	9. 06E-19 M2	LRWD1
CISD3. 4	6. 47E-23	0. 408506	0. 368	0. 246	9. 67E-19 M2	CISD3
MTMR4. 4	6. 55E-23	-0. 2836	0. 033	0. 169	9. 79E-19 M2	MTMR4
MEIS3. 3	6. 87E-23	-0. 26931	0. 014	0. 138	1. 03E-18 M2	MEIS3
SEC61G. 5	7. 02E-23	-0. 58531	0. 777	0. 801	1. 05E-18 M2	SEC61G
TMED5. 4	7. 10E-23	0. 385797	0. 418	0. 298	1. 06E-18 M2	TMED5
SNX8. 4	7. 51E-23	0. 402788	0. 254	0. 139	1. 12E-18 M2	SNX8
HERPUD1. 4	7. 60E-23	0. 182728	0. 757	0. 634	1. 14E-18 M2	HERPUD1
CNKSR3. 4	8. 05E-23	-0. 26015	0. 008	0. 125	1. 20E-18 M2	CNKSR3
CSAD. 3	8. 60E-23	-0. 26067	0. 038	0. 177	1. 28E-18 M2	CSAD
NAV2. 2	8. 71E-23	-0. 29462	0. 008	0. 126	1. 30E-18 M2	NAV2
CDH11. 3	8. 88E-23	-0. 27804	0. 006	0. 123	1. 33E-18 M2	CDH11
RSPRY1. 3	8. 94E-23	-0. 28346	0. 092	0. 259	1. 34E-18 M2	RSPRY1
SOX12. 4	9. 26E-23	-0. 23978	0. 006	0. 123	1. 38E-18 M2	SOX12

GGT7. 3	9. 37E-23	-0. 27376	0. 037	0. 175	1. 40E-18 M2	GGT7
RPAP2. 3	9. 74E-23	-0. 29355	0. 05	0. 194	1. 46E-18 M2	RPAP2
AMER2. 4	1. 01E-22	-0. 4619	0. 006	0. 122	1. 51E-18 M2	AMER2
CCR5. 3	1. 02E-22	0. 18588	0. 079	0. 022	1. 52E-18 M2	CCR5
RPRD1A. 3	1. 03E-22	-0. 30181	0. 066	0. 217	1. 54E-18 M2	RPRD1A
GGA2. 5	1. 03E-22	0. 336994	0. 252	0. 131	1. 55E-18 M2	GGA2
ZNF821. 5	1. 06E-22	-0. 30396	0. 036	0. 172	1. 59E-18 M2	ZNF821
ENDOV. 2	1. 08E-22	-0. 26248	0. 072	0. 231	1. 61E-18 M2	ENDOV
HOMER1. 4	1. 09E-22	-0. 29615	0. 032	0. 165	1. 62E-18 M2	HOMER1
DCBLD2. 4	1. 11E-22	-0. 2781	0. 023	0. 152	1. 65E-18 M2	DCBLD2
SPATC1L. 4	1. 11E-22	-0. 25877	0. 056	0. 204	1. 65E-18 M2	SPATC1L
RBM4. 3	1. 12E-22	-0. 31208	0. 074	0. 23	1. 67E-18 M2	RBM4
COL4A2. 2	1. 12E-22	-0. 24023	0. 014	0. 137	1. 68E-18 M2	COL4A2
ACSL5. 4	1. 15E-22	0. 200978	0. 096	0. 03	1. 71E-18 M2	ACSL5
TMEM258. 2	1. 18E-22	0. 153072	0. 805	0. 723	1. 76E-18 M2	TMEM258
ING4. 3	1. 22E-22	-0. 30748	0. 107	0. 278	1. 82E-18 M2	ING4
AGAP1. 3	1. 22E-22	-0. 27866	0. 009	0. 127	1. 83E-18 M2	AGAP1
PRPSAP2. 2	1. 24E-22	-0. 3192	0. 109	0. 278	1. 85E-18 M2	PRPSAP2
NCALD. 4	1. 26E-22	-0. 31493	0. 011	0. 132	1. 89E-18 M2	NCALD
MOB4. 3	1. 27E-22	-0. 33506	0. 189	0. 385	1. 89E-18 M2	MOB4
CMBL. 3	1. 31E-22	-0. 25685	0. 013	0. 134	1. 96E-18 M2	CMBL
CD200. 5	1. 37E-22	-0. 32752	0. 004	0. 117	2. 05E-18 M2	CD200
P4HTM. 3	1. 39E-22	-0. 29435	0. 105	0. 273	2. 07E-18 M2	P4HTM
ROBO2. 4	1. 44E-22	-0. 24726	0. 003	0. 115	2. 16E-18 M2	ROBO2
NUPR1. 3	1. 48E-22	0. 34751	0. 447	0. 315	2. 22E-18 M2	NUPR1
HYAL2. 5	1. 64E-22	-0. 28348	0. 078	0. 233	2. 45E-18 M2	HYAL2
GSPT2. 3	1. 69E-22	-0. 275	0. 027	0. 158	2. 52E-18 M2	GSPT2
LAMP5. 4	1. 80E-22	-0. 27619	0. 004	0. 117	2. 69E-18 M2	LAMP5
NXT1. 2	1. 82E-22	-0. 27057	0. 146	0. 329	2. 71E-18 M2	NXT1
NTM. 3	1. 87E-22	-0. 43656	0. 005	0. 119	2. 80E-18 M2	NTM
KIFAP3. 4	1. 92E-22	-0. 31975	0. 064	0. 213	2. 87E-18 M2	KIFAP3
TMEM70. 4	1. 97E-22	0. 363518	0. 503	0. 387	2. 94E-18 M2	TMEM70
AUTS2. 5	2. 08E-22	-0. 27389	0. 009	0. 126	3. 11E-18 M2	AUTS2
ZNF429. 4	2. 09E-22	-0. 29554	0. 015	0. 137	3. 13E-18 M2	ZNF429
SOAT1. 5	2. 16E-22	0. 33868	0. 318	0. 189	3. 22E-18 M2	SOAT1
RP1-39G22	2. 21E-22	-0. 30512	0. 017	0. 139	3. 31E-18 M2	RP1-39G22. 7
PSPH. 4	2. 24E-22	-0. 27967	0. 032	0. 166	3. 35E-18 M2	PSPH
RUNX3. 4	2. 32E-22	0. 219691	0. 103	0. 034	3. 46E-18 M2	RUNX3
MATK	2. 34E-22	0. 157308	0. 061	0. 014	3. 49E-18 M2	MATK
SACS. 5	2. 34E-22	-0. 25058	0. 031	0. 163	3. 50E-18 M2	SACS
TAF6. 2	2. 43E-22	-0. 30029	0. 087	0. 247	3. 63E-18 M2	TAF6
GAMT. 5	2. 43E-22	-0. 30732	0. 134	0. 311	3. 63E-18 M2	GAMT
FSTL1. 3	2. 47E-22	-0. 24123	0. 006	0. 121	3. 69E-18 M2	FSTL1
ACOT7. 4	2. 48E-22	-0. 33723	0. 082	0. 237	3. 71E-18 M2	ACOT7
ARMCX3. 3	2. 76E-22	-0. 31649	0. 24	0. 443	4. 12E-18 M2	ARMCX3
FAM228B. 4	2. 78E-22	-0. 30374	0. 072	0. 226	4. 15E-18 M2	FAM228B
KIAA0907. 2	2. 79E-22	-0. 32521	0. 057	0. 204	4. 17E-18 M2	KIAA0907
DNAJC15. 3	2. 83E-22	0. 344245	0. 49	0. 383	4. 22E-18 M2	DNAJC15
MAP4K4. 3	2. 83E-22	-0. 32543	0. 096	0. 259	4. 23E-18 M2	MAP4K4
PILRB. 1	2. 87E-22	-0. 32139	0. 036	0. 17	4. 28E-18 M2	PILRB
IMMP1L. 4	2. 91E-22	-0. 29092	0. 082	0. 242	4. 35E-18 M2	IMMP1L

SEC14L2.4	2.96E-22	-0.27276	0.008	0.123	4.43E-18	M2	SEC14L2
PRDX3.3	3.02E-22	0.280775	0.57	0.459	4.51E-18	M2	PRDX3
PTPRF.5	3.04E-22	-0.29761	0.008	0.123	4.54E-18	M2	PTPRF
TMEM198.3	3.36E-22	-0.25119	0.008	0.123	5.03E-18	M2	TMEM198
RASSF8-AS	3.42E-22	-0.33861	0.036	0.169	5.10E-18	M2	RASSF8-AS1
COR01B.5	3.42E-22	0.355469	0.465	0.354	5.11E-18	M2	COR01B
DDIT4.4	3.48E-22	0.258356	0.554	0.398	5.20E-18	M2	DDIT4
NELL2.3	3.52E-22	-0.30843	0.003	0.113	5.26E-18	M2	NELL2
LRRC8A.4	3.61E-22	-0.29498	0.04	0.177	5.40E-18	M2	LRRC8A
UNC93B1.5	3.61E-22	0.369621	0.321	0.192	5.40E-18	M2	UNC93B1
DEAF1.4	3.65E-22	-0.28624	0.07	0.222	5.45E-18	M2	DEAF1
TTC14.1	3.70E-22	-0.30249	0.11	0.28	5.53E-18	M2	TTC14
FKBP9.4	3.74E-22	-0.27216	0.045	0.186	5.58E-18	M2	FKBP9
S100A13.3	3.93E-22	-0.56401	0.142	0.307	5.87E-18	M2	S100A13
ZNF704.4	4.05E-22	-0.29987	0.013	0.131	6.05E-18	M2	ZNF704
BCAT1.4	4.26E-22	0.443563	0.338	0.224	6.36E-18	M2	BCAT1
METTL2B.1	4.28E-22	-0.31556	0.061	0.208	6.40E-18	M2	METTL2B
FAM221A.5	4.35E-22	-0.35702	0.047	0.187	6.49E-18	M2	FAM221A
PEBP1.5	4.37E-22	-0.31687	0.713	0.81	6.54E-18	M2	PEBP1
ARHGAP6.1	4.64E-22	0.18582	0.068	0.017	6.93E-18	M2	ARHGAP6
AKAP13.5	4.71E-22	0.384036	0.443	0.317	7.05E-18	M2	AKAP13
STIM2.2	4.74E-22	-0.25801	0.036	0.171	7.08E-18	M2	STIM2
KLHDC2.4	4.78E-22	-0.31057	0.137	0.314	7.15E-18	M2	KLHDC2
SLC25A23.4	4.88E-22	-0.24633	0.019	0.142	7.29E-18	M2	SLC25A23
ZIC1.4	5.38E-22	-0.27243	0.008	0.122	8.04E-18	M2	ZIC1
PCGF2.3	5.41E-22	-0.22517	0.036	0.172	8.08E-18	M2	PCGF2
TNPO2.3	5.51E-22	-0.26475	0.047	0.189	8.24E-18	M2	TNPO2
KCNE4.3	5.58E-22	-0.25753	0.003	0.112	8.34E-18	M2	KCNE4
ASRGL1.5	5.70E-22	-0.33524	0.065	0.21	8.51E-18	M2	ASRGL1
C3orf14.3	5.73E-22	-0.34553	0.111	0.275	8.56E-18	M2	C3orf14
BSDC1.3	5.81E-22	-0.29895	0.128	0.302	8.68E-18	M2	BSDC1
TCEAL5.3	5.81E-22	-0.40864	0.011	0.128	8.68E-18	M2	TCEAL5
ACAT2.4	6.03E-22	-0.27308	0.119	0.289	9.00E-18	M2	ACAT2
SOGA1.4	6.13E-22	-0.24097	0.032	0.164	9.16E-18	M2	SOGA1
CDK6.4	6.22E-22	-0.34574	0.068	0.215	9.30E-18	M2	CDK6
TMEM178A.6	6.35E-22	-0.2723	0.01	0.126	9.49E-18	M2	TMEM178A
PCDHB10.4	6.62E-22	-0.31137	0.001	0.109	9.89E-18	M2	PCDHB10
PRDX2.5	6.64E-22	-0.35895	0.594	0.709	9.92E-18	M2	PRDX2
FAM127A.2	6.66E-22	-0.3043	0.268	0.473	9.95E-18	M2	FAM127A
SHD.4	6.74E-22	-0.40071	0.015	0.134	1.01E-17	M2	SHD
TMEM256.3	6.80E-22	0.315989	0.536	0.422	1.02E-17	M2	TMEM256
KDEL2.2	7.00E-22	0.273463	0.639	0.563	1.05E-17	M2	KDEL2
COL4A1.2	7.06E-22	-0.23847	0.006	0.118	1.06E-17	M2	COL4A1
KIF9.5	7.48E-22	-0.25344	0.043	0.184	1.12E-17	M2	KIF9
WLS.3	7.81E-22	-0.28413	0.072	0.225	1.17E-17	M2	WLS
GNG4.4	8.39E-22	-0.27788	0.009	0.124	1.25E-17	M2	GNG4
SERP2.3	8.71E-22	-0.30829	0.001	0.109	1.30E-17	M2	SERP2
TCN2.1	8.83E-22	0.419902	0.192	0.093	1.32E-17	M2	TCN2
RAB34.2	9.29E-22	0.378058	0.409	0.274	1.39E-17	M2	RAB34
GDAP1.5	9.34E-22	-0.3572	0.032	0.16	1.40E-17	M2	GDAP1
CCDC69.4	1.00E-21	0.20318	0.097	0.031	1.50E-17	M2	CCDC69

KIDINS22C	1. 01E-21	-0. 29998	0. 115	0. 28	1. 50E-17 M2	KIDINS220
CCL18	1. 03E-21	0. 201059	0. 041	0. 007	1. 54E-17 M2	CCL18
GTF2H2. 3	1. 04E-21	-0. 28757	0. 052	0. 194	1. 55E-17 M2	GTF2H2
ATP9A. 4	1. 05E-21	-0. 2815	0. 008	0. 12	1. 57E-17 M2	ATP9A
NDUFA5. 3	1. 10E-21	-0. 33064	0. 383	0. 591	1. 65E-17 M2	NDUFA5
PDCD7. 2	1. 11E-21	-0. 27926	0. 078	0. 231	1. 66E-17 M2	PDCD7
MT1M. 3	1. 12E-21	-0. 4928	0. 097	0. 254	1. 67E-17 M2	MT1M
RP11-362F	1. 12E-21	0. 234888	0. 056	0. 013	1. 68E-17 M2	RP11-362F19. 1
DAD1. 2	1. 21E-21	0. 143789	0. 787	0. 716	1. 81E-17 M2	DAD1
RP11-660L	1. 22E-21	-0. 27595	0. 014	0. 132	1. 82E-17 M2	RP11-660L16. 2
CLTA. 3	1. 25E-21	0. 217329	0. 678	0. 624	1. 87E-17 M2	CLTA
C2orf80. 4	1. 27E-21	-0. 31065	0. 011	0. 127	1. 89E-17 M2	C2orf80
SCOC. 4	1. 27E-21	-0. 34937	0. 235	0. 427	1. 90E-17 M2	SCOC
C4orf27. 3	1. 29E-21	-0. 31743	0. 151	0. 33	1. 93E-17 M2	C4orf27
FAM3C. 4	1. 33E-21	-0. 34715	0. 262	0. 449	1. 98E-17 M2	FAM3C
KLRC2. 4	1. 38E-21	-0. 39226	0. 006	0. 117	2. 06E-17 M2	KLRC2
PHAX. 3	1. 39E-21	-0. 33207	0. 142	0. 317	2. 08E-17 M2	PHAX
RP11-410L	1. 40E-21	-0. 25276	0. 017	0. 136	2. 09E-17 M2	RP11-410L14. 2
SETD5. 5	1. 46E-21	-0. 27176	0. 126	0. 3	2. 19E-17 M2	SETD5
CHD9. 2	1. 49E-21	-0. 32098	0. 28	0. 481	2. 22E-17 M2	CHD9
LIFR. 2	1. 49E-21	-0. 27634	0. 006	0. 117	2. 23E-17 M2	LIFR
RBM4B. 3	1. 54E-21	-0. 27791	0. 057	0. 201	2. 29E-17 M2	RBM4B
ZNF326. 3	1. 57E-21	-0. 2673	0. 097	0. 258	2. 34E-17 M2	ZNF326
NBPF1. 5	1. 57E-21	-0. 28063	0. 089	0. 246	2. 34E-17 M2	NBPF1
CD38. 1	1. 57E-21	0. 19851	0. 066	0. 017	2. 35E-17 M2	CD38
CYFIP1. 4	1. 58E-21	0. 341542	0. 404	0. 274	2. 36E-17 M2	CYFIP1
LANCL2. 5	1. 60E-21	-0. 36779	0. 033	0. 161	2. 39E-17 M2	LANCL2
CDC25B. 3	1. 71E-21	-0. 29001	0. 063	0. 203	2. 56E-17 M2	CDC25B
KCNE1. 3	1. 75E-21	0. 231309	0. 072	0. 019	2. 62E-17 M2	KCNE1
SMARCE1. 3	1. 86E-21	-0. 29934	0. 202	0. 391	2. 79E-17 M2	SMARCE1
TYRO3. 4	1. 87E-21	-0. 27569	0. 006	0. 116	2. 80E-17 M2	TYRO3
HIP1R. 4	1. 98E-21	-0. 3155	0. 006	0. 116	2. 96E-17 M2	HIP1R
GAPDH. 5	2. 00E-21	-0. 26928	0. 999	0. 984	2. 99E-17 M2	GAPDH
LAMTOR1. 3	2. 01E-21	0. 177869	0. 732	0. 649	3. 01E-17 M2	LAMTOR1
NDP. 3	2. 01E-21	-0. 30944	0. 008	0. 119	3. 01E-17 M2	NDP
ZDHHC12. 5	2. 02E-21	0. 398777	0. 372	0. 253	3. 01E-17 M2	ZDHHC12
NLGN3. 4	2. 02E-21	-0. 27958	0. 009	0. 121	3. 02E-17 M2	NLGN3
LRRN3. 4	2. 04E-21	-0. 3538	0. 009	0. 121	3. 05E-17 M2	LRRN3
LAP3. 3	2. 32E-21	0. 249277	0. 594	0. 484	3. 47E-17 M2	LAP3
HSD3B7. 3	2. 33E-21	0. 340111	0. 158	0. 069	3. 48E-17 M2	HSD3B7
HM13. 1	2. 34E-21	0. 297356	0. 557	0. 469	3. 49E-17 M2	HM13
KLHL42. 4	2. 36E-21	-0. 27907	0. 037	0. 168	3. 52E-17 M2	KLHL42
EPDR1. 4	2. 42E-21	-0. 25816	0. 017	0. 135	3. 62E-17 M2	EPDR1
TGFB1I1. 4	2. 52E-21	-0. 25763	0. 017	0. 134	3. 77E-17 M2	TGFB1I1
TMEM132B. 2	2. 54E-21	-0. 24203	0. 003	0. 109	3. 80E-17 M2	TMEM132B
CSPG5. 4	2. 60E-21	-0. 36433	0. 006	0. 116	3. 89E-17 M2	CSPG5
HIP1. 3	2. 64E-21	-0. 30624	0. 042	0. 177	3. 94E-17 M2	HIP1
CTNNAL1. 4	2. 76E-21	-0. 278	0. 029	0. 155	4. 12E-17 M2	CTNNAL1
PPP2CB. 5	2. 87E-21	-0. 27679	0. 135	0. 308	4. 29E-17 M2	PPP2CB
IGF2BP3. 4	2. 95E-21	-0. 23786	0. 006	0. 115	4. 41E-17 M2	IGF2BP3
ARNT2. 5	3. 03E-21	-0. 22805	0. 008	0. 118	4. 53E-17 M2	ARNT2



NOL11. 3	3. 04E-21	-0. 30265	0. 056	0. 198	4. 54E-17 M2	NOL11
CMSS1. 2	3. 05E-21	-0. 28843	0. 128	0. 301	4. 55E-17 M2	CMSS1
PIK3R3. 3	3. 07E-21	-0. 35746	0. 02	0. 14	4. 58E-17 M2	PIK3R3
ENDOD1. 3	3. 07E-21	-0. 25842	0. 027	0. 152	4. 59E-17 M2	ENDOD1
CXCR4. 4	3. 15E-21	0. 208759	0. 54	0. 378	4. 71E-17 M2	CXCR4
SCRN1. 4	3. 38E-21	-0. 24857	0. 051	0. 189	5. 05E-17 M2	SCRN1
EXTL2. 3	3. 40E-21	-0. 24741	0. 042	0. 177	5. 08E-17 M2	EXTL2
MYH9. 5	3. 44E-21	0. 367972	0. 301	0. 18	5. 14E-17 M2	MYH9
ZNF385D. 3	3. 47E-21	-0. 25878	0. 008	0. 118	5. 19E-17 M2	ZNF385D
BMP2K. 3	3. 50E-21	0. 327541	0. 217	0. 11	5. 23E-17 M2	BMP2K
QTRT1. 5	3. 61E-21	-0. 32354	0. 162	0. 343	5. 39E-17 M2	QTRT1
PTGDS. 2	3. 77E-21	-0. 84645	0. 049	0. 179	5. 64E-17 M2	PTGDS
NCBP2. 3	3. 78E-21	-0. 28224	0. 25	0. 454	5. 64E-17 M2	NCBP2
PAXIP1-AS	3. 89E-21	-0. 2905	0. 037	0. 167	5. 82E-17 M2	PAXIP1-AS1
FAM210B. 5	4. 05E-21	-0. 33213	0. 121	0. 28	6. 05E-17 M2	FAM210B
NDRG2. 3	4. 15E-21	-0. 51107	0. 209	0. 37	6. 21E-17 M2	NDRG2
CBX3. 4	4. 18E-21	-0. 31446	0. 377	0. 566	6. 24E-17 M2	CBX3
HLTF. 4	4. 22E-21	-0. 26821	0. 046	0. 182	6. 31E-17 M2	HLTF
NUDT11. 3	4. 23E-21	-0. 28763	0. 017	0. 134	6. 32E-17 M2	NUDT11
CSF3R. 5	4. 24E-21	0. 24819	0. 277	0. 144	6. 34E-17 M2	CSF3R
STRADB. 2	4. 36E-21	-0. 27394	0. 079	0. 23	6. 52E-17 M2	STRADB
KMT2E. 3	4. 41E-21	-0. 30048	0. 346	0. 551	6. 59E-17 M2	KMT2E
NOP56. 1	4. 53E-21	-0. 31843	0. 232	0. 427	6. 77E-17 M2	NOP56
AIF1L. 4	4. 57E-21	-0. 42411	0. 01	0. 121	6. 82E-17 M2	AIF1L
AASS. 3	4. 65E-21	-0. 25791	0. 01	0. 122	6. 95E-17 M2	AASS
AEBP1. 4	4. 70E-21	-0. 36147	0. 014	0. 129	7. 02E-17 M2	AEBP1
SNHG12. 4	4. 71E-21	0. 387435	0. 236	0. 127	7. 04E-17 M2	SNHG12
CLIP2. 4	4. 75E-21	-0. 29575	0. 05	0. 185	7. 10E-17 M2	CLIP2
MMP16. 3	4. 90E-21	-0. 24158	0. 004	0. 11	7. 32E-17 M2	MMP16
ZNF883. 4	4. 92E-21	-0. 24362	0. 026	0. 149	7. 35E-17 M2	ZNF883
ARL16. 2	4. 93E-21	-0. 27538	0. 151	0. 331	7. 37E-17 M2	ARL16
DLGAP3	5. 08E-21	0. 167539	0. 063	0. 016	7. 59E-17 M2	DLGAP3
ANKRD46. 3	5. 23E-21	-0. 36501	0. 038	0. 165	7. 82E-17 M2	ANKRD46
PNN. 4	5. 36E-21	-0. 3203	0. 222	0. 414	8. 02E-17 M2	PNN
CBR1. 4	5. 45E-21	-0. 37989	0. 303	0. 488	8. 14E-17 M2	CBR1
CYTH1. 5	5. 50E-21	0. 375871	0. 267	0. 15	8. 22E-17 M2	CYTH1
SAR1A. 4	5. 53E-21	0. 38042	0. 407	0. 29	8. 26E-17 M2	SAR1A
ATCAY. 4	5. 65E-21	-0. 32073	0. 014	0. 128	8. 44E-17 M2	ATCAY
BARD1. 4	5. 75E-21	-0. 28952	0. 031	0. 155	8. 59E-17 M2	BARD1
SAP18. 1	5. 79E-21	0. 128914	0. 834	0. 761	8. 65E-17 M2	SAP18
KIF1B. 4	5. 82E-21	-0. 25622	0. 133	0. 305	8. 70E-17 M2	KIF1B
PPM1G. 4	5. 82E-21	-0. 30186	0. 248	0. 431	8. 70E-17 M2	PPM1G
SUGP2. 4	6. 18E-21	-0. 26046	0. 096	0. 257	9. 23E-17 M2	SUGP2
SPPL2A. 5	6. 26E-21	0. 365679	0. 292	0. 176	9. 36E-17 M2	SPPL2A
SFRP1. 4	6. 44E-21	-0. 22712	0. 001	0. 105	9. 62E-17 M2	SFRP1
GLIPR1. 4	6. 51E-21	0. 294373	0. 465	0. 325	9. 73E-17 M2	GLIPR1
SKAP2. 4	6. 52E-21	0. 290725	0. 409	0. 26	9. 74E-17 M2	SKAP2
EDF1	6. 54E-21	0. 132749	0. 868	0. 78	9. 77E-17 M2	EDF1
PREPL. 3	6. 59E-21	-0. 26692	0. 057	0. 198	9. 85E-17 M2	PREPL
CALM3. 4	6. 94E-21	0. 250944	0. 658	0. 588	1. 04E-16 M2	CALM3
RAD21. 4	7. 02E-21	-0. 31849	0. 197	0. 378	1. 05E-16 M2	RAD21

SLC44A1.3	7.12E-21	-0.3753	0.155	0.325	1.06E-16	M2	SLC44A1
IQCK.3	7.25E-21	-0.27326	0.018	0.134	1.08E-16	M2	IQCK
LAMP1.4	7.29E-21	0.288532	0.584	0.517	1.09E-16	M2	LAMP1
TTC9B.5	8.05E-21	-0.42829	0.015	0.128	1.20E-16	M2	TTC9B
PPME1.3	8.14E-21	-0.2738	0.052	0.191	1.22E-16	M2	PPME1
TNIK.3	8.21E-21	-0.25209	0.029	0.152	1.23E-16	M2	TNIK
TUBB4A.5	8.24E-21	-0.52208	0.014	0.125	1.23E-16	M2	TUBB4A
VPS29.3	8.35E-21	0.242964	0.623	0.548	1.25E-16	M2	VPS29
TRMT112.2	8.57E-21	0.133625	0.789	0.701	1.28E-16	M2	TRMT112
TRMT13.2	8.69E-21	-0.29624	0.024	0.144	1.30E-16	M2	TRMT13
IGSF6.5	9.11E-21	0.209067	0.278	0.145	1.36E-16	M2	IGSF6
ICAM2.4	9.78E-21	0.237126	0.093	0.03	1.46E-16	M2	ICAM2
SLC25A22.1	0.01E-20	-0.24062	0.01	0.12	1.50E-16	M2	SLC25A22
CSF2RB.4	1.04E-20	0.183303	0.074	0.021	1.56E-16	M2	CSF2RB
FMN1.4	1.04E-20	0.184401	0.089	0.028	1.56E-16	M2	FMN1
URI1.2	1.05E-20	-0.25872	0.08	0.231	1.56E-16	M2	URI1
FAM96A.3	1.06E-20	0.302204	0.464	0.349	1.58E-16	M2	FAM96A
LRRN1.4	1.08E-20	-0.29001	0.006	0.113	1.62E-16	M2	LRRN1
OXCT1.2	1.11E-20	-0.26856	0.032	0.156	1.65E-16	M2	OXCT1
KLHL13.4	1.12E-20	-0.22583	0.003	0.106	1.67E-16	M2	KLHL13
FAM198B.3	1.12E-20	0.239573	0.138	0.055	1.68E-16	M2	FAM198B
USP22.5	1.14E-20	-0.24935	0.155	0.331	1.71E-16	M2	USP22
SLC35G2.5	1.17E-20	-0.30601	0.013	0.124	1.75E-16	M2	SLC35G2
TSR3.3	1.18E-20	-0.24027	0.121	0.287	1.77E-16	M2	TSR3
MPHOSPH1C	1.29E-20	-0.34345	0.096	0.248	1.93E-16	M2	MPHOSPH10
HMGCS1.3	1.29E-20	-0.29288	0.055	0.192	1.93E-16	M2	HMGCS1
CIDEB.3	1.32E-20	0.17937	0.075	0.021	1.97E-16	M2	CIDEB
EZH2.4	1.33E-20	-0.30841	0.036	0.162	1.99E-16	M2	EZH2
FKBP1A.3	1.34E-20	0.145288	0.794	0.693	2.01E-16	M2	FKBP1A
C2orf69.5	1.36E-20	-0.26608	0.063	0.203	2.03E-16	M2	C2orf69
MAP6.3	1.37E-20	-0.22424	0.001	0.103	2.04E-16	M2	MAP6
YAE1D1.3	1.37E-20	-0.29187	0.04	0.169	2.04E-16	M2	YAE1D1
SYMPK.4	1.42E-20	-0.2777	0.082	0.233	2.12E-16	M2	SYMPK
NLGN4X.3	1.43E-20	-0.23446	0.006	0.112	2.13E-16	M2	NLGN4X
ADCY7.5	1.45E-20	0.248414	0.142	0.058	2.16E-16	M2	ADCY7
RNF7.2	1.61E-20	0.239249	0.619	0.526	2.40E-16	M2	RNF7
OSER1-AS1	1.66E-20	-0.28419	0.022	0.139	2.48E-16	M2	OSER1-AS1
PPM1M.5	1.66E-20	0.340282	0.156	0.069	2.48E-16	M2	PPM1M
TMEM121.4	1.69E-20	-0.23527	0.006	0.113	2.52E-16	M2	TMEM121
HNRNPR.1	1.70E-20	-0.33203	0.342	0.532	2.54E-16	M2	HNRNPR
SYT1.5	1.74E-20	-0.41455	0.004	0.107	2.60E-16	M2	SYT1
NABP1.4	1.77E-20	0.289461	0.229	0.116	2.65E-16	M2	NABP1
AC004951.1	1.80E-20	-0.25119	0.037	0.165	2.69E-16	M2	AC004951.6
ZNF92.3	1.80E-20	-0.32548	0.032	0.154	2.69E-16	M2	ZNF92
GPR137B.3	1.88E-20	0.427539	0.332	0.222	2.81E-16	M2	GPR137B
DYNC1I1.5	1.90E-20	-0.39215	0.006	0.111	2.85E-16	M2	DYNC1I1
CAMK2B.4	1.95E-20	-0.27871	0.011	0.121	2.91E-16	M2	CAMK2B
LINC01116	2.00E-20	-0.29178	0.023	0.14	2.99E-16	M2	LINC01116
VGLL4.3	2.00E-20	-0.26807	0.155	0.329	2.99E-16	M2	VGLL4
LXN.1	2.04E-20	0.149554	0.075	0.022	3.05E-16	M2	LXN
CLUAP1.4	2.04E-20	-0.28243	0.045	0.177	3.05E-16	M2	CLUAP1

LINC00844	2.06E-20	-0.4382	0.008	0.113	3.08E-16	M2	LINC00844
ENY2.2	2.07E-20	0.215749	0.669	0.599	3.09E-16	M2	ENY2
LDLRAD3.4	2.10E-20	-0.25543	0.05	0.185	3.14E-16	M2	LDLRAD3
GAD1.5	2.20E-20	-0.28186	0.011	0.12	3.29E-16	M2	GAD1
ADPGK.5	2.22E-20	0.391961	0.373	0.253	3.31E-16	M2	ADPGK
LGR4.5	2.22E-20	-0.199	0.005	0.109	3.31E-16	M2	LGR4
CEACAM4.4	2.24E-20	0.179173	0.073	0.02	3.34E-16	M2	CEACAM4
RP11-680A	2.25E-20	0.192502	0.054	0.012	3.36E-16	M2	RP11-680A11.5
ORC4.4	2.36E-20	-0.27023	0.093	0.245	3.53E-16	M2	ORC4
CMTM5.4	2.43E-20	-0.5083	0.004	0.106	3.63E-16	M2	CMTM5
SLC4A4.3	2.50E-20	-0.30097	0.009	0.116	3.74E-16	M2	SLC4A4
AP4M1.3	2.65E-20	-0.26473	0.063	0.203	3.96E-16	M2	AP4M1
SH2B3.5	2.72E-20	0.355579	0.203	0.102	4.06E-16	M2	SH2B3
TRIM37.3	2.81E-20	-0.22176	0.033	0.158	4.20E-16	M2	TRIM37
RSBN1.3	2.87E-20	-0.28774	0.08	0.227	4.28E-16	M2	RSBN1
DAPK1.2	2.88E-20	0.276466	0.132	0.054	4.30E-16	M2	DAPK1
UBA2.3	2.91E-20	-0.29471	0.19	0.37	4.35E-16	M2	UBA2
FAM171B.3	2.99E-20	-0.26348	0.01	0.118	4.48E-16	M2	FAM171B
PHF6.4	3.01E-20	-0.28179	0.049	0.179	4.51E-16	M2	PHF6
TUBA1C.3	3.06E-20	0.285537	0.488	0.372	4.57E-16	M2	TUBA1C
DIRAS1.3	3.09E-20	-0.24187	0.011	0.12	4.62E-16	M2	DIRAS1
SEMA5A.3	3.13E-20	-0.27715	0.006	0.111	4.68E-16	M2	SEMA5A
LMNB1.4	3.35E-20	-0.31088	0.034	0.158	5.01E-16	M2	LMNB1
PCK2.3	3.38E-20	0.244574	0.148	0.064	5.06E-16	M2	PCK2
EFS.3	3.39E-20	-0.29509	0.008	0.113	5.06E-16	M2	EFS
SLC10A4.4	3.46E-20	-0.21053	0.003	0.103	5.17E-16	M2	SLC10A4
DDX52.3	3.71E-20	-0.21512	0.098	0.254	5.54E-16	M2	DDX52
GNG5.3	3.73E-20	0.14314	0.783	0.634	5.58E-16	M2	GNG5
GRINA.4	3.79E-20	0.35449	0.516	0.431	5.66E-16	M2	GRINA
USP46.5	3.82E-20	-0.27274	0.027	0.145	5.71E-16	M2	USP46
RP9.3	3.95E-20	-0.2759	0.054	0.188	5.91E-16	M2	RP9
LRP6.4	4.25E-20	-0.26321	0.011	0.119	6.35E-16	M2	LRP6
APBB2.4	4.30E-20	-0.26847	0.011	0.12	6.43E-16	M2	APBB2
PFKL.4	4.33E-20	0.381288	0.458	0.356	6.47E-16	M2	PFKL
DNASE1L1.4	4.34E-20	0.297976	0.153	0.067	6.48E-16	M2	DNASE1L1
GPT2.3	4.34E-20	-0.22254	0.032	0.155	6.49E-16	M2	GPT2
CDC42EP1.4	4.44E-20	-0.27114	0.02	0.135	6.63E-16	M2	CDC42EP1
ZNF512.3	4.47E-20	-0.26773	0.018	0.131	6.68E-16	M2	ZNF512
NUPL2.2	5.37E-20	-0.29888	0.116	0.279	8.03E-16	M2	NUPL2
CLDN12.5	5.86E-20	-0.29471	0.028	0.146	8.76E-16	M2	CLDN12
ZNF430.2	6.10E-20	-0.32474	0.063	0.198	9.11E-16	M2	ZNF430
GLT8D1.2	6.49E-20	-0.2734	0.123	0.287	9.70E-16	M2	GLT8D1
NAT9.3	6.73E-20	-0.28388	0.07	0.212	1.01E-15	M2	NAT9
CHD6.4	6.77E-20	-0.27299	0.101	0.255	1.01E-15	M2	CHD6
LDHB.3	6.88E-20	-0.3263	0.656	0.787	1.03E-15	M2	LDHB
EI24.3	6.94E-20	-0.28544	0.259	0.446	1.04E-15	M2	EI24
PDLIM3.4	7.00E-20	-0.35193	0.013	0.121	1.05E-15	M2	PDLIM3
HOOK2.3	7.04E-20	-0.27388	0.092	0.245	1.05E-15	M2	HOOK2
METTL7B.2	7.31E-20	-0.51891	0.08	0.221	1.09E-15	M2	METTL7B
ANKS1B.4	7.39E-20	-0.4106	0.01	0.115	1.10E-15	M2	ANKS1B
DZIP1.4	7.40E-20	-0.20123	0.006	0.109	1.11E-15	M2	DZIP1

P2RY6. 4	7. 43E-20	0. 200952	0. 089	0. 029	1. 11E-15 M2	P2RY6
ACTR6. 2	7. 64E-20	-0. 30519	0. 093	0. 244	1. 14E-15 M2	ACTR6
AKAP6. 4	7. 71E-20	-0. 26969	0. 006	0. 109	1. 15E-15 M2	AKAP6
CPXM1. 4	7. 83E-20	-0. 25704	0. 019	0. 131	1. 17E-15 M2	CPXM1
PLA2G5. 4	7. 92E-20	-0. 47034	0. 01	0. 116	1. 18E-15 M2	PLA2G5
GOPC. 3	8. 04E-20	-0. 30979	0. 114	0. 268	1. 20E-15 M2	GOPC
PLXNC1. 5	8. 12E-20	0. 268301	0. 143	0. 061	1. 21E-15 M2	PLXNC1
ARL9. 4	8. 34E-20	-0. 23445	0. 008	0. 111	1. 25E-15 M2	ARL9
LAMA5. 3	8. 37E-20	-0. 18947	0. 011	0. 119	1. 25E-15 M2	LAMA5
HDAC9. 3	8. 49E-20	-0. 31407	0. 02	0. 133	1. 27E-15 M2	HDAC9
FADS1. 3	9. 49E-20	-0. 26315	0. 082	0. 228	1. 42E-15 M2	FADS1
STXBP1. 4	9. 58E-20	-0. 259	0. 018	0. 128	1. 43E-15 M2	STXBP1
THYN1. 4	9. 74E-20	-0. 31249	0. 23	0. 419	1. 46E-15 M2	THYN1
EFNB2. 4	9. 94E-20	-0. 18362	0. 005	0. 106	1. 49E-15 M2	EFNB2
MARCKS. 3	1. 01E-19	-0. 29274	0. 474	0. 606	1. 52E-15 M2	MARCKS
SIAH1. 3	1. 03E-19	-0. 29294	0. 091	0. 239	1. 54E-15 M2	SIAH1
CDC42. 3	1. 05E-19	0. 186668	0. 686	0. 616	1. 57E-15 M2	CDC42
METTL9. 4	1. 09E-19	-0. 29895	0. 292	0. 481	1. 63E-15 M2	METTL9
POSTN. 4	1. 09E-19	-0. 40561	0. 026	0. 137	1. 63E-15 M2	POSTN
CD300LF. 4	1. 12E-19	0. 21399	0. 111	0. 041	1. 67E-15 M2	CD300LF
CORO2B. 3	1. 13E-19	-0. 24234	0. 006	0. 107	1. 69E-15 M2	CORO2B
TTC19. 3	1. 15E-19	-0. 26125	0. 188	0. 368	1. 71E-15 M2	TTC19
DPF2. 2	1. 20E-19	-0. 27786	0. 087	0. 234	1. 80E-15 M2	DPF2
PALM. 3	1. 20E-19	-0. 21153	0. 008	0. 111	1. 80E-15 M2	PALM
SDR39U1. 3	1. 21E-19	-0. 2949	0. 123	0. 285	1. 81E-15 M2	SDR39U1
CEP290. 3	1. 22E-19	-0. 2479	0. 041	0. 166	1. 82E-15 M2	CEP290
POMGNT2. 3	1. 26E-19	-0. 243	0. 031	0. 148	1. 88E-15 M2	POMGNT2
HSPE1. 5	1. 27E-19	-0. 30052	0. 595	0. 739	1. 90E-15 M2	HSPE1
PXDN. 2	1. 30E-19	-0. 22718	0. 006	0. 108	1. 94E-15 M2	PXDN
EXOG. 4	1. 32E-19	-0. 29813	0. 041	0. 164	1. 97E-15 M2	EXOG
OGFRL1. 5	1. 33E-19	0. 296607	0. 296	0. 173	1. 98E-15 M2	OGFRL1
DNALI1. 4	1. 34E-19	-0. 23721	0. 013	0. 12	2. 01E-15 M2	DNALI1
VEZF1. 5	1. 35E-19	-0. 25438	0. 097	0. 248	2. 01E-15 M2	VEZF1
AKTIP. 4	1. 35E-19	-0. 27575	0. 049	0. 177	2. 02E-15 M2	AKTIP
DNAAF2. 4	1. 36E-19	-0. 2718	0. 051	0. 181	2. 03E-15 M2	DNAAF2
ST8SIA1. 3	1. 37E-19	-0. 22005	0. 001	0. 098	2. 05E-15 M2	ST8SIA1
CYB5D2. 3	1. 39E-19	-0. 32886	0. 095	0. 243	2. 08E-15 M2	CYB5D2
FAM49A. 4	1. 39E-19	0. 373067	0. 275	0. 163	2. 08E-15 M2	FAM49A
C1orf109. 1	1. 43E-19	-0. 23408	0. 024	0. 14	2. 14E-15 M2	C1orf109
GDAP1L1. 4	1. 49E-19	-0. 3605	0. 006	0. 107	2. 23E-15 M2	GDAP1L1
TSPAN13. 5	1. 51E-19	-0. 36712	0. 152	0. 309	2. 25E-15 M2	TSPAN13
ST5. 5	1. 59E-19	-0. 25346	0. 037	0. 159	2. 38E-15 M2	ST5
SPOP. 2	1. 59E-19	-0. 28637	0. 152	0. 32	2. 38E-15 M2	SPOP
C3orf70. 4	1. 71E-19	-0. 25875	0. 006	0. 107	2. 55E-15 M2	C3orf70
SNTB1	1. 72E-19	0. 230344	0. 082	0. 026	2. 57E-15 M2	SNTB1
CA2. 3	1. 78E-19	-0. 45745	0. 091	0. 235	2. 66E-15 M2	CA2
ALDH6A1. 3	1. 78E-19	-0. 29279	0. 075	0. 216	2. 67E-15 M2	ALDH6A1
CCDC112. 4	1. 84E-19	-0. 27102	0. 117	0. 271	2. 75E-15 M2	CCDC112
ACYP2. 4	1. 85E-19	-0. 34172	0. 157	0. 323	2. 77E-15 M2	ACYP2
RBM6. 2	1. 93E-19	-0. 24123	0. 153	0. 325	2. 89E-15 M2	RBM6
GTF2IRD2E	1. 94E-19	-0. 26945	0. 028	0. 145	2. 90E-15 M2	GTF2IRD2B

ERP29. 2	1. 98E-19	0. 193934	0. 673	0. 606	2. 96E-15 M2	ERP29
CTSA. 5	2. 01E-19	0. 314113	0. 493	0. 392	3. 00E-15 M2	CTSA
SCPEP1. 4	2. 10E-19	0. 27876	0. 469	0. 338	3. 14E-15 M2	SCPEP1
CDCA7. 4	2. 17E-19	-0. 33682	0. 02	0. 13	3. 24E-15 M2	CDCA7
TNFRSF19. 2	2. 19E-19	-0. 17716	0. 009	0. 112	3. 27E-15 M2	TNFRSF19
ZNF626. 2	2. 20E-19	-0. 25643	0. 032	0. 15	3. 28E-15 M2	ZNF626
FANCL. 3	2. 24E-19	-0. 2967	0. 032	0. 151	3. 34E-15 M2	FANCL
ETFB. 1	2. 25E-19	0. 250575	0. 581	0. 494	3. 36E-15 M2	ETFB
HP1BP3. 5	2. 26E-19	-0. 28262	0. 263	0. 455	3. 38E-15 M2	HP1BP3
ELOVL6. 3	2. 27E-19	-0. 22861	0. 003	0. 099	3. 39E-15 M2	ELOVL6
PTPN4. 4	2. 28E-19	-0. 25538	0. 008	0. 109	3. 41E-15 M2	PTPN4
CNOT4. 2	2. 47E-19	-0. 30641	0. 125	0. 283	3. 69E-15 M2	CNOT4
RHOJ. 3	2. 53E-19	-0. 21403	0. 006	0. 106	3. 78E-15 M2	RHOJ
FZD7. 2	2. 54E-19	-0. 21101	0. 005	0. 104	3. 80E-15 M2	FZD7
RAP1B. 4	2. 77E-19	0. 268214	0. 515	0. 428	4. 15E-15 M2	RAP1B
TRIM47. 5	2. 82E-19	-0. 3094	0. 059	0. 188	4. 22E-15 M2	TRIM47
IGSF10. 2	3. 06E-19	-0. 20818	0. 006	0. 106	4. 58E-15 M2	IGSF10
CSE1L. 4	3. 11E-19	-0. 24114	0. 086	0. 232	4. 64E-15 M2	CSE1L
GGH. 3	3. 22E-19	-0. 29026	0. 116	0. 273	4. 81E-15 M2	GGH
PLAT. 2	3. 23E-19	-0. 27574	0. 018	0. 127	4. 83E-15 M2	PLAT
CMTM6. 5	3. 24E-19	0. 258544	0. 524	0. 419	4. 85E-15 M2	CMTM6
DLG1. 4	3. 25E-19	-0. 26127	0. 047	0. 174	4. 85E-15 M2	DLG1
STK39. 3	3. 30E-19	-0. 20668	0. 008	0. 108	4. 93E-15 M2	STK39
NISCH. 3	3. 36E-19	0. 458692	0. 276	0. 169	5. 02E-15 M2	NISCH
NCOA6. 5	3. 39E-19	-0. 21296	0. 028	0. 143	5. 06E-15 M2	NCOA6
RUNX1. 5	3. 42E-19	0. 418237	0. 291	0. 183	5. 10E-15 M2	RUNX1
RIF1. 4	3. 42E-19	-0. 25572	0. 084	0. 229	5. 11E-15 M2	RIF1
FBX03. 3	3. 56E-19	-0. 26652	0. 051	0. 179	5. 32E-15 M2	FBX03
BTBD3. 4	3. 77E-19	-0. 23275	0. 029	0. 145	5. 63E-15 M2	BTBD3
STOX2. 5	3. 89E-19	-0. 25575	0. 003	0. 099	5. 81E-15 M2	STOX2
B3GAT1. 4	3. 91E-19	-0. 29424	0. 001	0. 096	5. 84E-15 M2	B3GAT1
CCDC34. 3	4. 19E-19	-0. 27837	0. 049	0. 176	6. 26E-15 M2	CCDC34
TMEM35. 4	4. 23E-19	-0. 29372	0. 003	0. 098	6. 32E-15 M2	TMEM35
CLASP2. 4	4. 28E-19	-0. 30846	0. 072	0. 206	6. 40E-15 M2	CLASP2
SLFN11. 2	4. 29E-19	0. 230174	0. 105	0. 038	6. 41E-15 M2	SLFN11
RUFY2. 5	4. 31E-19	-0. 25934	0. 037	0. 157	6. 43E-15 M2	RUFY2
GIMAP1. 4	4. 42E-19	0. 187407	0. 156	0. 067	6. 60E-15 M2	GIMAP1
PLEKHA4. 4	4. 46E-19	-0. 22927	0. 023	0. 134	6. 67E-15 M2	PLEKHA4
OTUD7B. 3	4. 51E-19	-0. 23891	0. 008	0. 108	6. 75E-15 M2	OTUD7B
TOP2B. 5	4. 60E-19	-0. 24291	0. 1	0. 247	6. 88E-15 M2	TOP2B
RP11-262H	4. 60E-19	-0. 24143	0. 018	0. 126	6. 88E-15 M2	RP11-262H14. 4
ZNF738. 5	4. 63E-19	-0. 20697	0. 033	0. 152	6. 92E-15 M2	ZNF738
ZNF793. 2	4. 64E-19	-0. 23179	0. 013	0. 117	6. 94E-15 M2	ZNF793
CKAP4. 3	4. 66E-19	-0. 2094	0. 077	0. 219	6. 96E-15 M2	CKAP4
SECTM1. 1	4. 71E-19	0. 150679	0. 063	0. 017	7. 03E-15 M2	SECTM1
CDH4. 4	5. 00E-19	-0. 2164	0	0. 093	7. 47E-15 M2	CDH4
DLX1. 5	5. 09E-19	-0. 38336	0. 017	0. 122	7. 60E-15 M2	DLX1
NIFK. 3	5. 15E-19	-0. 28654	0. 183	0. 36	7. 70E-15 M2	NIFK
MTA1. 3	5. 16E-19	-0. 21601	0. 064	0. 199	7. 72E-15 M2	MTA1
ZNF559. 4	5. 23E-19	-0. 25692	0. 034	0. 153	7. 81E-15 M2	ZNF559
MFGE8. 2	5. 39E-19	-0. 25318	0. 065	0. 199	8. 05E-15 M2	MFGE8

PYGB. 3	5. 41E-19	-0. 2036	0. 078	0. 22	8. 08E-15 M2	PYGB
GNB5. 3	5. 41E-19	-0. 22929	0. 013	0. 117	8. 09E-15 M2	GNB5
HIVEP3. 4	5. 49E-19	-0. 24168	0. 04	0. 16	8. 21E-15 M2	HIVEP3
CYFIP2. 4	5. 73E-19	-0. 26127	0. 015	0. 12	8. 56E-15 M2	CYFIP2
KRIT1. 4	5. 86E-19	-0. 23943	0. 082	0. 226	8. 75E-15 M2	KRIT1
ESF1. 3	5. 87E-19	-0. 29169	0. 184	0. 357	8. 77E-15 M2	ESF1
METAP1D. 3	5. 89E-19	-0. 26187	0. 022	0. 131	8. 80E-15 M2	METAP1D
NFASC. 3	6. 08E-19	-0. 31295	0. 009	0. 11	9. 08E-15 M2	NFASC
WBP5. 4	6. 15E-19	-0. 34579	0. 319	0. 516	9. 19E-15 M2	WBP5
RARRES2. 4	6. 47E-19	-0. 63065	0. 041	0. 157	9. 68E-15 M2	RARRES2
NAP1L5. 3	6. 55E-19	-0. 26658	0. 028	0. 142	9. 79E-15 M2	NAP1L5
CLN8. 5	6. 65E-19	0. 343022	0. 384	0. 26	9. 94E-15 M2	CLN8
C7orf55-L	6. 68E-19	-0. 25906	0. 178	0. 35	9. 98E-15 M2	C7orf55-LUC7L2
CELF5. 5	6. 86E-19	-0. 32758	0. 003	0. 097	1. 03E-14 M2	CELF5
CYP1B1	7. 28E-19	0. 174367	0. 06	0. 016	1. 09E-14 M2	CYP1B1
GPR160. 2	7. 32E-19	0. 123382	0. 073	0. 021	1. 09E-14 M2	GPR160
LRRC4C. 3	7. 43E-19	-0. 28326	0. 005	0. 102	1. 11E-14 M2	LRRC4C
VEZT. 3	7. 49E-19	-0. 24426	0. 091	0. 236	1. 12E-14 M2	VEZT
TUBGCP2. 4	7. 53E-19	0. 448379	0. 308	0. 206	1. 13E-14 M2	TUBGCP2
AGTRAP. 2	7. 57E-19	0. 305709	0. 388	0. 274	1. 13E-14 M2	AGTRAP
MESP1. 2	7. 61E-19	-0. 18699	0. 026	0. 139	1. 14E-14 M2	MESP1
TMEM167A	7. 78E-19	0. 331745	0. 497	0. 415	1. 16E-14 M2	TMEM167A
SOX21. 2	7. 84E-19	-0. 1973	0. 004	0. 099	1. 17E-14 M2	SOX21
IL6ST. 4	7. 94E-19	-0. 26223	0. 112	0. 264	1. 19E-14 M2	IL6ST
CCDC80. 4	7. 97E-19	-0. 33708	0. 015	0. 12	1. 19E-14 M2	CCDC80
BAZ2B. 2	8. 15E-19	-0. 24342	0. 162	0. 331	1. 22E-14 M2	BAZ2B
KCTD3. 2	8. 29E-19	-0. 20003	0. 033	0. 15	1. 24E-14 M2	KCTD3
ZNF644. 2	8. 39E-19	-0. 25015	0. 109	0. 263	1. 25E-14 M2	ZNF644
ACYP1. 2	8. 56E-19	-0. 23674	0. 055	0. 185	1. 28E-14 M2	ACYP1
ELN. 3	8. 57E-19	-0. 33736	0. 013	0. 115	1. 28E-14 M2	ELN
HNRNPH1. 1	8. 71E-19	-0. 34288	0. 287	0. 469	1. 30E-14 M2	HNRNPH1
FGD5	8. 79E-19	0. 111465	0. 023	0. 003	1. 31E-14 M2	FGD5
UBQLN2. 5	9. 05E-19	-0. 27888	0. 089	0. 23	1. 35E-14 M2	UBQLN2
ROM1. 4	9. 17E-19	-0. 27732	0. 015	0. 12	1. 37E-14 M2	ROM1
PTBP2. 3	9. 28E-19	-0. 2933	0. 011	0. 112	1. 39E-14 M2	PTBP2
KCNK6. 3	9. 28E-19	0. 183592	0. 1	0. 035	1. 39E-14 M2	KCNK6
DVL2. 3	9. 42E-19	-0. 19391	0. 055	0. 185	1. 41E-14 M2	DVL2
MAPRE3. 3	9. 81E-19	-0. 2577	0. 059	0. 187	1. 47E-14 M2	MAPRE3
ANGPTL2. 3	9. 83E-19	-0. 30047	0. 008	0. 106	1. 47E-14 M2	ANGPTL2
PURA. 3	9. 93E-19	-0. 26305	0. 079	0. 217	1. 48E-14 M2	PURA
PAQR4. 5	9. 93E-19	-0. 30654	0. 05	0. 172	1. 48E-14 M2	PAQR4
DMXL2. 3	9. 95E-19	0. 359164	0. 16	0. 076	1. 49E-14 M2	DMXL2
DPYSL2. 4	9. 96E-19	-0. 30607	0. 257	0. 435	1. 49E-14 M2	DPYSL2
TNRC6B. 3	1. 00E-18	-0. 28111	0. 193	0. 364	1. 50E-14 M2	TNRC6B
SAFB. 2	1. 03E-18	-0. 25357	0. 138	0. 3	1. 54E-14 M2	SAFB
PTCD3. 3	1. 09E-18	-0. 23632	0. 092	0. 24	1. 63E-14 M2	PTCD3
HOXA7. 3	1. 09E-18	-0. 32946	0. 009	0. 108	1. 63E-14 M2	HOXA7
FUCA1. 4	1. 10E-18	0. 400488	0. 321	0. 213	1. 64E-14 M2	FUCA1
PAIP1. 5	1. 10E-18	-0. 2624	0. 226	0. 408	1. 65E-14 M2	PAIP1
PNPLA4. 2	1. 11E-18	0. 237701	0. 137	0. 057	1. 66E-14 M2	PNPLA4
ETF1. 4	1. 12E-18	0. 340948	0. 441	0. 339	1. 67E-14 M2	ETF1

DLX2. 5	1. 14E-18	-0. 43151	0. 014	0. 115	1. 70E-14 M2	DLX2
RTN4. 5	1. 16E-18	-0. 25177	0. 605	0. 707	1. 73E-14 M2	RTN4
DCAKD. 4	1. 17E-18	-0. 21312	0. 031	0. 146	1. 75E-14 M2	DCAKD
USP48. 1	1. 27E-18	-0. 25262	0. 084	0. 224	1. 90E-14 M2	USP48
DENND2A. 3	1. 28E-18	-0. 20776	0. 005	0. 101	1. 91E-14 M2	DENND2A
FGF1. 3	1. 44E-18	-0. 30096	0. 005	0. 1	2. 16E-14 M2	FGF1
SMS. 2	1. 59E-18	0. 201349	0. 658	0. 566	2. 38E-14 M2	SMS
ACAD8. 2	1. 62E-18	-0. 24209	0. 061	0. 192	2. 43E-14 M2	ACAD8
RIMKLB. 3	1. 65E-18	-0. 25009	0. 04	0. 158	2. 47E-14 M2	RIMKLB
NRBP2. 4	1. 67E-18	-0. 2008	0. 02	0. 128	2. 49E-14 M2	NRBP2
LINC00632	1. 69E-18	-0. 33221	0. 004	0. 098	2. 52E-14 M2	LINC00632
PUF60. 3	1. 75E-18	-0. 30014	0. 365	0. 554	2. 62E-14 M2	PUF60
CLEC10A. 2	1. 80E-18	0. 153798	0. 061	0. 016	2. 69E-14 M2	CLEC10A
NUP160. 3	1. 81E-18	-0. 29705	0. 049	0. 17	2. 70E-14 M2	NUP160
IGSF8. 3	1. 86E-18	-0. 26468	0. 083	0. 222	2. 78E-14 M2	IGSF8
CBX6. 3	1. 87E-18	-0. 27353	0. 103	0. 25	2. 80E-14 M2	CBX6
CACNA1A. 4	2. 02E-18	-0. 34563	0. 006	0. 102	3. 01E-14 M2	CACNA1A
CPNE4. 3	2. 09E-18	-0. 19764	0. 005	0. 099	3. 12E-14 M2	CPNE4
UBTF. 4	2. 12E-18	-0. 22175	0. 091	0. 236	3. 17E-14 M2	UBTF
PIGU. 4	2. 13E-18	-0. 23918	0. 052	0. 179	3. 18E-14 M2	PIGU
MAML2. 4	2. 13E-18	-0. 26309	0. 073	0. 207	3. 19E-14 M2	MAML2
PNMAL1. 4	2. 14E-18	-0. 20719	0. 006	0. 102	3. 20E-14 M2	PNMAL1
SH3TC1. 5	2. 17E-18	0. 225255	0. 163	0. 074	3. 24E-14 M2	SH3TC1
SLC39A3. 4	2. 21E-18	-0. 2594	0. 184	0. 349	3. 30E-14 M2	SLC39A3
APOO. 4	2. 23E-18	-0. 2478	0. 095	0. 238	3. 33E-14 M2	APOO
RILP. 5	2. 24E-18	0. 353855	0. 188	0. 097	3. 35E-14 M2	RILP
CELF4. 5	2. 29E-18	-0. 3701	0. 005	0. 099	3. 42E-14 M2	CELF4
RFC4. 3	2. 31E-18	-0. 27572	0. 045	0. 165	3. 46E-14 M2	RFC4
S100B. 4	2. 38E-18	-0. 43875	0. 372	0. 539	3. 56E-14 M2	S100B
C11orf96. 2	2. 41E-18	-0. 29404	0. 029	0. 142	3. 61E-14 M2	C11orf96
SET. 3	2. 47E-18	-0. 31543	0. 415	0. 571	3. 69E-14 M2	SET
ANKRD36. 3	2. 48E-18	-0. 295	0. 065	0. 194	3. 70E-14 M2	ANKRD36
PCYT2. 4	2. 50E-18	-0. 24068	0. 047	0. 168	3. 73E-14 M2	PCYT2
ZC3H12A. 4	2. 56E-18	0. 284364	0. 155	0. 071	3. 83E-14 M2	ZC3H12A
HABP4. 2	2. 57E-18	-0. 20311	0. 02	0. 126	3. 84E-14 M2	HABP4
SMIM4. 1	2. 60E-18	0. 441857	0. 359	0. 261	3. 89E-14 M2	SMIM4
RP11-443E	2. 64E-18	0. 170103	0. 046	0. 01	3. 94E-14 M2	RP11-443B7. 1
ATN1. 3	2. 67E-18	-0. 23797	0. 063	0. 192	3. 99E-14 M2	ATN1
SYNC. 3	2. 72E-18	-0. 25263	0. 057	0. 184	4. 07E-14 M2	SYNC
RGS6. 3	2. 78E-18	-0. 22324	0. 004	0. 097	4. 16E-14 M2	RGS6
FAM161A. 3	2. 83E-18	-0. 25534	0. 014	0. 115	4. 24E-14 M2	FAM161A
TLE2. 4	2. 85E-18	-0. 24175	0. 004	0. 097	4. 26E-14 M2	TLE2
PALLD. 2	2. 87E-18	-0. 25112	0. 073	0. 207	4. 28E-14 M2	PALLD
ASAP2. 4	2. 97E-18	-0. 18337	0. 006	0. 101	4. 44E-14 M2	ASAP2
UBE2H. 4	3. 00E-18	-0. 24675	0. 117	0. 269	4. 49E-14 M2	UBE2H
KALRN. 3	3. 06E-18	-0. 21258	0. 006	0. 102	4. 57E-14 M2	KALRN
RP11-1094	3. 12E-18	-0. 23465	0. 097	0. 244	4. 66E-14 M2	RP11-1094M14. 11
ZHX3. 3	3. 26E-18	-0. 18692	0. 02	0. 126	4. 88E-14 M2	ZHX3
EIF2AK1. 3	3. 50E-18	-0. 22413	0. 17	0. 343	5. 23E-14 M2	EIF2AK1
TEAD2. 4	3. 58E-18	-0. 19035	0. 004	0. 096	5. 35E-14 M2	TEAD2
PLA2G12A. 3	3. 69E-18	-0. 22756	0. 098	0. 244	5. 52E-14 M2	PLA2G12A

ENTPD1.5	3.75E-18	0.255502	0.277	0.154	5.60E-14 M2	ENTPD1
CRISPLD1.	3.96E-18	-0.24316	0.004	0.096	5.92E-14 M2	CRISPLD1
SMARCA5.4	3.99E-18	-0.25896	0.189	0.36	5.97E-14 M2	SMARCA5
CCDC66.4	4.00E-18	-0.23266	0.096	0.239	5.98E-14 M2	CCDC66
CHCHD7.4	4.12E-18	0.294179	0.401	0.278	6.16E-14 M2	CHCHD7
ARAP1.4	4.22E-18	0.302873	0.198	0.101	6.31E-14 M2	ARAP1
B4GALT5.3	4.34E-18	-0.24367	0.074	0.205	6.49E-14 M2	B4GALT5
TYMS.4	4.73E-18	-0.27806	0.049	0.169	7.07E-14 M2	TYMS
ATRX.3	4.76E-18	-0.28102	0.277	0.456	7.11E-14 M2	ATRX
CPT1C.3	4.79E-18	-0.23963	0.013	0.112	7.16E-14 M2	CPT1C
DHX29.3	4.80E-18	-0.26561	0.156	0.321	7.18E-14 M2	DHX29
NTN1.2	5.05E-18	-0.18593	0	0.088	7.55E-14 M2	NTN1
CPNE8	5.10E-18	0.172951	0.064	0.018	7.62E-14 M2	CPNE8
MAGI2.4	5.44E-18	-0.24899	0.013	0.112	8.13E-14 M2	MAGI2
FNIP2.4	5.47E-18	0.369068	0.301	0.188	8.17E-14 M2	FNIP2
PPP2R2A.2	5.48E-18	-0.28054	0.152	0.31	8.19E-14 M2	PPP2R2A
FGFR1.2	5.53E-18	-0.20927	0.054	0.179	8.26E-14 M2	FGFR1
SYBU.3	5.57E-18	-0.22716	0.003	0.093	8.33E-14 M2	SYBU
TMEM100.5	5.76E-18	-0.3688	0.004	0.095	8.61E-14 M2	TMEM100
MEIS1.5	5.78E-18	-0.20617	0.003	0.093	8.64E-14 M2	MEIS1
BOC.3	5.93E-18	-0.18785	0.003	0.093	8.86E-14 M2	BOC
NTRK2.4	5.95E-18	-0.46843	0.024	0.127	8.88E-14 M2	NTRK2
ATL1.2	5.99E-18	-0.30494	0.02	0.123	8.95E-14 M2	ATL1
ARHGFEF26.	6.04E-18	-0.21228	0.024	0.132	9.03E-14 M2	ARHGFEF26
NAP1L3.3	6.07E-18	-0.28141	0.011	0.108	9.07E-14 M2	NAP1L3
NKAIN4.4	6.12E-18	-0.404	0.011	0.107	9.15E-14 M2	NKAIN4
NDST2.1	6.19E-18	0.163332	0.072	0.022	9.25E-14 M2	NDST2
ZDHHC9.5	6.27E-18	-0.27744	0.052	0.176	9.37E-14 M2	ZDHHC9
ZFP82.3	6.31E-18	-0.23713	0.015	0.116	9.42E-14 M2	ZFP82
MKNK1.4	6.53E-18	0.247643	0.281	0.162	9.75E-14 M2	MKNK1
ATG4D.2	6.64E-18	-0.20625	0.047	0.168	9.93E-14 M2	ATG4D
ADNP.4	6.77E-18	-0.22212	0.069	0.202	1.01E-13 M2	ADNP
RPN1.2	6.81E-18	0.324639	0.494	0.404	1.02E-13 M2	RPN1
USP47.1	6.85E-18	-0.27318	0.11	0.254	1.02E-13 M2	USP47
GIPC1.3	6.94E-18	-0.24857	0.125	0.278	1.04E-13 M2	GIPC1
TRIM16.3	7.05E-18	-0.21757	0.028	0.137	1.05E-13 M2	TRIM16
DHCR7.4	7.06E-18	-0.27465	0.061	0.186	1.06E-13 M2	DHCR7
PSMB3.2	7.09E-18	0.106041	0.768	0.699	1.06E-13 M2	PSMB3
NFIL3.5	7.19E-18	0.31373	0.162	0.077	1.07E-13 M2	NFIL3
LPCAT2.5	7.27E-18	0.23031	0.258	0.139	1.09E-13 M2	LPCAT2
OXR1.4	7.28E-18	-0.2573	0.114	0.262	1.09E-13 M2	OXR1
WHSC1.4	7.49E-18	-0.21361	0.043	0.161	1.12E-13 M2	WHSC1
DHX33.3	7.50E-18	-0.15208	0.022	0.128	1.12E-13 M2	DHX33
SHKBP1.5	7.54E-18	0.372661	0.335	0.23	1.13E-13 M2	SHKBP1
AP2B1.4	7.72E-18	-0.21878	0.181	0.352	1.15E-13 M2	AP2B1
MPDZ.3	7.81E-18	-0.19305	0.003	0.092	1.17E-13 M2	MPDZ
FTO.2	7.87E-18	-0.26903	0.032	0.141	1.18E-13 M2	FTO
PARVA.4	8.06E-18	-0.18397	0.008	0.102	1.20E-13 M2	PARVA
PRRT2.3	8.34E-18	-0.20699	0.005	0.097	1.25E-13 M2	PRRT2
EIF4A2.2	8.47E-18	-0.28515	0.564	0.73	1.27E-13 M2	EIF4A2
TXNDC12.2	8.56E-18	0.298632	0.517	0.426	1.28E-13 M2	TXNDC12



ZYX. 5	8. 57E-18	0. 318404	0. 492	0. 395	1. 28E-13 M2	ZYX
RBX1. 4	8. 75E-18	0. 154857	0. 733	0. 66	1. 31E-13 M2	RBX1
CCNL2. 3	8. 88E-18	-0. 23452	0. 14	0. 301	1. 33E-13 M2	CCNL2
CAT. 4	8. 93E-18	0. 275214	0. 413	0. 297	1. 33E-13 M2	CAT
CKAP5. 5	9. 00E-18	-0. 23611	0. 046	0. 164	1. 34E-13 M2	CKAP5
PFKFB3. 5	9. 32E-18	0. 351398	0. 351	0. 236	1. 39E-13 M2	PFKFB3
CBY1. 3	9. 93E-18	-0. 24395	0. 047	0. 167	1. 48E-13 M2	CBY1
ACTR3B. 2	1. 00E-17	-0. 22796	0. 015	0. 114	1. 50E-13 M2	ACTR3B
ZNF254. 2	1. 02E-17	-0. 2428	0. 036	0. 149	1. 52E-13 M2	ZNF254
PNPT1. 3	1. 03E-17	-0. 22753	0. 073	0. 206	1. 54E-13 M2	PNPT1
RAB39B. 4	1. 05E-17	-0. 21834	0. 005	0. 096	1. 56E-13 M2	RAB39B
HIST2H2BE	1. 07E-17	-0. 28076	0. 04	0. 154	1. 61E-13 M2	HIST2H2BE
VAPB. 4	1. 09E-17	-0. 22079	0. 074	0. 206	1. 62E-13 M2	VAPB
MIB2. 4	1. 13E-17	-0. 2137	0. 041	0. 157	1. 70E-13 M2	MIB2
RSF1. 3	1. 14E-17	-0. 27588	0. 248	0. 429	1. 71E-13 M2	RSF1
STRBP. 5	1. 15E-17	-0. 21394	0. 027	0. 134	1. 71E-13 M2	STRBP
ACBD6. 2	1. 19E-17	-0. 23764	0. 133	0. 287	1. 78E-13 M2	ACBD6
ARHGAP21.	1. 21E-17	-0. 27147	0. 114	0. 26	1. 80E-13 M2	ARHGAP21
VPS26A. 4	1. 23E-17	0. 335322	0. 346	0. 235	1. 83E-13 M2	VPS26A
C14orf37.	1. 23E-17	-0. 23992	0. 018	0. 118	1. 83E-13 M2	C14orf37
NLGN2. 3	1. 23E-17	-0. 20971	0. 006	0. 098	1. 84E-13 M2	NLGN2
FGF14. 4	1. 25E-17	-0. 2098	0. 003	0. 091	1. 88E-13 M2	FGF14
C1S. 3	1. 29E-17	-0. 54802	0. 052	0. 17	1. 92E-13 M2	C1S
MPPED2. 3	1. 30E-17	-0. 2383	0. 005	0. 096	1. 94E-13 M2	MPPED2
ZFAS1. 2	1. 30E-17	0. 132232	0. 787	0. 691	1. 95E-13 M2	ZFAS1
CSRNP3. 4	1. 30E-17	-0. 27878	0. 01	0. 105	1. 95E-13 M2	CSRNP3
APPBP2. 3	1. 42E-17	-0. 20697	0. 082	0. 218	2. 13E-13 M2	APPBP2
RP11-332H	1. 45E-17	-0. 21943	0. 027	0. 134	2. 16E-13 M2	RP11-332H14. 2
VDAC1. 4	1. 45E-17	0. 153213	0. 695	0. 626	2. 17E-13 M2	VDAC1
PRTFDC1. 2	1. 46E-17	-0. 30702	0. 033	0. 142	2. 18E-13 M2	PRTFDC1
ILDR2. 4	1. 46E-17	-0. 16684	0	0. 086	2. 19E-13 M2	ILDR2
SSX2IP. 2	1. 47E-17	-0. 17186	0. 009	0. 102	2. 20E-13 M2	SSX2IP
EIF1AY. 4	1. 53E-17	-0. 22462	0. 061	0. 186	2. 29E-13 M2	EIF1AY
R3HCC1. 3	1. 54E-17	-0. 21965	0. 139	0. 297	2. 30E-13 M2	R3HCC1
RUNDC3A. 5	1. 56E-17	-0. 29288	0. 01	0. 104	2. 33E-13 M2	RUNDC3A
ZHX1. 4	1. 57E-17	-0. 22663	0. 082	0. 218	2. 34E-13 M2	ZHX1
ECSIT. 3	1. 60E-17	-0. 28065	0. 128	0. 278	2. 39E-13 M2	ECSIT
RP11-25K1	1. 61E-17	-0. 21745	0. 011	0. 107	2. 41E-13 M2	RP11-25K19. 1
TMEM158. 4	1. 62E-17	-0. 22992	0. 036	0. 147	2. 42E-13 M2	TMEM158
TOX. 5	1. 62E-17	-0. 23082	0. 004	0. 093	2. 42E-13 M2	TOX
THSD1. 3	1. 64E-17	-0. 1748	0. 008	0. 1	2. 46E-13 M2	THSD1
C20orf96.	1. 65E-17	-0. 21537	0. 042	0. 158	2. 47E-13 M2	C20orf96
ACADVL. 2	1. 68E-17	0. 297891	0. 52	0. 445	2. 51E-13 M2	ACADVL
HDHD2. 3	1. 69E-17	-0. 2721	0. 119	0. 267	2. 53E-13 M2	HDHD2
PTK7. 2	1. 71E-17	-0. 18144	0. 008	0. 1	2. 55E-13 M2	PTK7
LINC00094	1. 73E-17	-0. 19886	0. 028	0. 136	2. 59E-13 M2	LINC00094
CLDND1. 3	1. 75E-17	-0. 40922	0. 232	0. 405	2. 61E-13 M2	CLDND1
NOC2L. 4	1. 78E-17	-0. 26628	0. 163	0. 323	2. 65E-13 M2	NOC2L
IARS. 3	1. 78E-17	-0. 19011	0. 082	0. 22	2. 66E-13 M2	IARS
YAF2. 3	1. 80E-17	-0. 26984	0. 186	0. 358	2. 69E-13 M2	YAF2
PPP1R14A.	1. 83E-17	-0. 54027	0. 017	0. 113	2. 73E-13 M2	PPP1R14A

CHERP. 2	1. 83E-17	-0. 21334	0. 055	0. 177	2. 73E-13 M2	CHERP
FAM102A. 2	1. 83E-17	-0. 27369	0. 01	0. 104	2. 74E-13 M2	FAM102A
ZNF358. 4	1. 87E-17	-0. 18474	0. 051	0. 173	2. 79E-13 M2	ZNF358
CACNG7. 3	1. 88E-17	-0. 18616	0. 003	0. 09	2. 81E-13 M2	CACNG7
KCNIP1. 4	1. 88E-17	-0. 25361	0. 01	0. 105	2. 81E-13 M2	KCNIP1
MCC. 3	1. 90E-17	-0. 2028	0. 024	0. 129	2. 83E-13 M2	MCC
ASTN1. 2	1. 90E-17	-0. 1894	0. 006	0. 097	2. 85E-13 M2	ASTN1
PAXBP1. 4	1. 92E-17	-0. 20456	0. 049	0. 167	2. 87E-13 M2	PAXBP1
LRRTM2. 4	1. 93E-17	-0. 21909	0. 013	0. 109	2. 88E-13 M2	LRRTM2
KIAA1549. 1	1. 94E-17	-0. 21762	0. 008	0. 1	2. 89E-13 M2	KIAA1549
ATP6V1G1. 2	2. 01E-17	0. 124786	0. 807	0. 75	3. 01E-13 M2	ATP6V1G1
MPHOSPH8. 2	2. 04E-17	-0. 24995	0. 235	0. 411	3. 05E-13 M2	MPHOSPH8
FAM60A. 3	2. 05E-17	-0. 27928	0. 061	0. 183	3. 07E-13 M2	FAM60A
FKBP8. 2	2. 30E-17	0. 167831	0. 702	0. 642	3. 44E-13 M2	FKBP8
GCA. 5	2. 31E-17	0. 271842	0. 415	0. 291	3. 45E-13 M2	GCA
C1orf131. 2	2. 42E-17	-0. 27155	0. 078	0. 209	3. 62E-13 M2	C1orf131
CDK5R1. 5	2. 43E-17	-0. 255	0. 008	0. 099	3. 63E-13 M2	CDK5R1
ZNF414. 5	2. 45E-17	-0. 2266	0. 068	0. 194	3. 66E-13 M2	ZNF414
SERP1. 5	2. 45E-17	0. 203116	0. 646	0. 601	3. 66E-13 M2	SERP1
SRGAP3. 3	2. 48E-17	-0. 29768	0. 042	0. 153	3. 71E-13 M2	SRGAP3
NNMT. 3	2. 54E-17	-0. 59274	0. 051	0. 165	3. 80E-13 M2	NNMT
DNM3. 3	2. 64E-17	-0. 27847	0. 005	0. 094	3. 95E-13 M2	DNM3
COQ9. 4	2. 67E-17	-0. 22541	0. 107	0. 252	3. 99E-13 M2	COQ9
CCDC136. 3	2. 67E-17	-0. 24106	0. 006	0. 097	4. 00E-13 M2	CCDC136
PRKAG2. 5	2. 75E-17	0. 331626	0. 232	0. 131	4. 11E-13 M2	PRKAG2
ORAI3. 4	2. 77E-17	0. 337735	0. 232	0. 135	4. 14E-13 M2	ORAI3
LRIG1. 4	2. 87E-17	-0. 22078	0. 017	0. 115	4. 29E-13 M2	LRIG1
SERTAD1. 3	2. 89E-17	0. 279325	0. 421	0. 308	4. 31E-13 M2	SERTAD1
ABCD3. 3	2. 92E-17	-0. 19532	0. 073	0. 204	4. 36E-13 M2	ABCD3
DTD1. 5	2. 93E-17	-0. 24996	0. 234	0. 403	4. 38E-13 M2	DTD1
ARHGDI1. 4	2. 95E-17	0. 206198	0. 619	0. 561	4. 40E-13 M2	ARHGDI1
TM6SF1. 5	2. 95E-17	0. 190834	0. 273	0. 15	4. 41E-13 M2	TM6SF1
C17orf100. 3	3. 00E-17	-0. 1873	0. 006	0. 096	4. 48E-13 M2	C17orf100
MEN1. 1	3. 04E-17	-0. 20623	0. 022	0. 123	4. 54E-13 M2	MEN1
TMEM80. 3	3. 05E-17	-0. 21418	0. 055	0. 177	4. 56E-13 M2	TMEM80
PTDSS2. 5	3. 13E-17	-0. 20366	0. 045	0. 16	4. 68E-13 M2	PTDSS2
ENDOG. 4	3. 15E-17	-0. 20809	0. 041	0. 155	4. 71E-13 M2	ENDOG
CTC-444N2. 3	3. 18E-17	-0. 22006	0. 033	0. 142	4. 75E-13 M2	CTC-444N24. 11
TPD52L2. 2	3. 39E-17	0. 383587	0. 406	0. 318	5. 07E-13 M2	TPD52L2
MARCH9. 4	3. 43E-17	-0. 33909	0. 049	0. 162	5. 12E-13 M2	9-Mar
FBLN1. 4	3. 53E-17	-0. 32505	0. 004	0. 091	5. 27E-13 M2	FBLN1
CASC15. 4	3. 56E-17	-0. 2468	0. 011	0. 106	5. 32E-13 M2	CASC15
VIPR2. 4	3. 72E-17	-0. 32804	0. 003	0. 088	5. 56E-13 M2	VIPR2
SYT17. 3	3. 75E-17	-0. 24268	0. 05	0. 167	5. 60E-13 M2	SYT17
BBS2. 5	3. 75E-17	-0. 31452	0. 06	0. 18	5. 61E-13 M2	BBS2
RASSF3. 4	3. 83E-17	0. 177462	0. 1	0. 038	5. 72E-13 M2	RASSF3
SPRY2. 4	3. 97E-17	-0. 21934	0. 092	0. 227	5. 94E-13 M2	SPRY2
ANXA4. 4	3. 99E-17	0. 316653	0. 292	0. 187	5. 96E-13 M2	ANXA4
KCNQ1. 4	4. 04E-17	0. 23099	0. 095	0. 035	6. 04E-13 M2	KCNQ1
F11R. 4	4. 05E-17	0. 22515	0. 124	0. 052	6. 06E-13 M2	F11R
HLA-DQA2. 4	4. 15E-17	0. 19391	0. 289	0. 164	6. 21E-13 M2	HLA-DQA2

GSDMD. 4	4. 29E-17	0. 297391	0. 285	0. 178	6. 41E-13 M2	GSDMD
ANKRD28. 3	4. 38E-17	0. 391162	0. 195	0. 107	6. 54E-13 M2	ANKRD28
PKD2L1	4. 48E-17	0. 15423	0. 055	0. 015	6. 69E-13 M2	PKD2L1
LINC00685	4. 58E-17	-0. 24545	0. 043	0. 157	6. 84E-13 M2	LINC00685
Clorf35. 4	4. 68E-17	-0. 22657	0. 124	0. 273	6. 99E-13 M2	Clorf35
COMTD1. 3	4. 78E-17	0. 310593	0. 126	0. 055	7. 14E-13 M2	COMTD1
TET1. 4	4. 89E-17	-0. 17193	0. 003	0. 088	7. 30E-13 M2	TET1
YRDC. 2	4. 92E-17	-0. 2281	0. 051	0. 169	7. 36E-13 M2	YRDC
ZBED5. 4	4. 96E-17	-0. 2308	0. 063	0. 187	7. 41E-13 M2	ZBED5
ADIPOR1. 5	4. 96E-17	0. 352766	0. 457	0. 374	7. 42E-13 M2	ADIPOR1
PEMT. 4	5. 12E-17	-0. 18931	0. 086	0. 222	7. 65E-13 M2	PEMT
MAP6D1. 4	5. 12E-17	-0. 22901	0. 003	0. 088	7. 65E-13 M2	MAP6D1
ZNF692. 2	5. 18E-17	-0. 21192	0. 018	0. 116	7. 73E-13 M2	ZNF692
FBXO32. 5	5. 20E-17	-0. 34773	0. 047	0. 161	7. 78E-13 M2	FBXO32
SLC39A10. 5	5. 22E-17	-0. 20882	0. 049	0. 165	7. 81E-13 M2	SLC39A10
ATF3. 5	5. 49E-17	0. 327436	0. 413	0. 294	8. 20E-13 M2	ATF3
TRMT61B. 3	5. 51E-17	-0. 24091	0. 052	0. 171	8. 23E-13 M2	TRMT61B
ZNF579. 4	5. 51E-17	-0. 17428	0. 02	0. 121	8. 23E-13 M2	ZNF579
TSEN15. 3	5. 62E-17	-0. 27211	0. 105	0. 242	8. 40E-13 M2	TSEN15
RDH5. 3	5. 64E-17	-0. 22739	0. 014	0. 109	8. 43E-13 M2	RDH5
XRR1. 3	5. 67E-17	-0. 23325	0. 031	0. 136	8. 47E-13 M2	XRR1
ELAVL2. 5	5. 71E-17	-0. 29023	0. 001	0. 085	8. 54E-13 M2	ELAVL2
GPR37L1. 4	5. 79E-17	-0. 39925	0. 004	0. 09	8. 65E-13 M2	GPR37L1
PITX1. 4	5. 87E-17	-0. 14635	0. 004	0. 09	8. 77E-13 M2	PITX1
MTSS1L. 3	5. 96E-17	-0. 20076	0. 009	0. 1	8. 90E-13 M2	MTSS1L
RSAD1. 3	6. 03E-17	-0. 18945	0. 042	0. 156	9. 01E-13 M2	RSAD1
ELOVL4. 3	6. 06E-17	-0. 20852	0. 001	0. 085	9. 05E-13 M2	ELOVL4
CEP70. 3	6. 17E-17	-0. 24069	0. 011	0. 104	9. 22E-13 M2	CEP70
FGFBP3. 4	6. 24E-17	-0. 19828	0. 013	0. 106	9. 32E-13 M2	FGFBP3
SH3BGR. 4	6. 37E-17	-0. 34126	0. 027	0. 13	9. 51E-13 M2	SH3BGR
PLEKHA3. 4	6. 37E-17	-0. 2477	0. 103	0. 241	9. 52E-13 M2	PLEKHA3
CSGALNACT	6. 51E-17	0. 339936	0. 171	0. 088	9. 73E-13 M2	CSGALNACT2
NECAP2. 2	6. 52E-17	0. 360806	0. 383	0. 285	9. 75E-13 M2	NECAP2
GNA11. 2	6. 86E-17	-0. 19197	0. 017	0. 113	1. 03E-12 M2	GNA11
ILF3. 3	6. 91E-17	-0. 2366	0. 245	0. 423	1. 03E-12 M2	ILF3
TRIO. 4	6. 97E-17	-0. 24051	0. 059	0. 18	1. 04E-12 M2	TRIO
PTPN2. 4	7. 01E-17	0. 321337	0. 35	0. 241	1. 05E-12 M2	PTPN2
RFFL. 5	7. 08E-17	-0. 22741	0. 055	0. 172	1. 06E-12 M2	RFFL
MTX2. 3	7. 19E-17	-0. 24826	0. 17	0. 332	1. 07E-12 M2	MTX2
TPT1-AS1.	7. 21E-17	-0. 2319	0. 037	0. 146	1. 08E-12 M2	TPT1-AS1
ZNF138. 3	7. 26E-17	-0. 22629	0. 042	0. 153	1. 09E-12 M2	ZNF138
CBLN4. 5	7. 32E-17	-0. 24599	0. 001	0. 085	1. 09E-12 M2	CBLN4
ANAPC5. 3	7. 56E-17	-0. 23714	0. 231	0. 408	1. 13E-12 M2	ANAPC5
TM4SF1. 5	7. 63E-17	-0. 27362	0. 02	0. 119	1. 14E-12 M2	TM4SF1
CPSF4. 2	7. 64E-17	-0. 2636	0. 078	0. 204	1. 14E-12 M2	CPSF4
PTK2. 3	7. 81E-17	-0. 2162	0. 063	0. 186	1. 17E-12 M2	PTK2
SPATA33. 4	7. 95E-17	-0. 19726	0. 041	0. 153	1. 19E-12 M2	SPATA33
KHDRBS1. 4	8. 25E-17	-0. 27505	0. 326	0. 497	1. 23E-12 M2	KHDRBS1
ZNF521. 3	8. 40E-17	-0. 18925	0. 004	0. 089	1. 26E-12 M2	ZNF521
DLX6-AS1.	8. 53E-17	-0. 63585	0. 036	0. 137	1. 28E-12 M2	DLX6-AS1
CAV1. 5	8. 58E-17	-0. 74545	0. 032	0. 134	1. 28E-12 M2	CAV1

UBALD1.3	8.94E-17	-0.20144	0.056	0.175	1.34E-12	M2	UBALD1
MSH2.3	9.29E-17	-0.23622	0.023	0.122	1.39E-12	M2	MSH2
EIF3J-AS1	9.43E-17	-0.22091	0.029	0.134	1.41E-12	M2	EIF3J-AS1
DMRTA2.2	9.43E-17	-0.17315	0	0.082	1.41E-12	M2	DMRTA2
TNFAIP1.3	9.54E-17	-0.16331	0.06	0.183	1.43E-12	M2	TNFAIP1
EPB41L1.3	9.57E-17	-0.19991	0.006	0.094	1.43E-12	M2	EPB41L1
MAD2L2.4	9.63E-17	-0.25641	0.236	0.403	1.44E-12	M2	MAD2L2
FAXC.4	9.89E-17	-0.23148	0.005	0.091	1.48E-12	M2	FAXC
CELSR2.4	9.98E-17	-0.20067	0.009	0.098	1.49E-12	M2	CELSR2
KIAA1715.	1.00E-16	-0.25189	0.121	0.265	1.50E-12	M2	KIAA1715
SFXN1.3	1.00E-16	-0.20771	0.091	0.226	1.50E-12	M2	SFXN1
FAM57B.4	1.01E-16	-0.26736	0.009	0.098	1.51E-12	M2	FAM57B
ECI2.3	1.02E-16	-0.32883	0.181	0.333	1.52E-12	M2	ECI2
HAMP.5	1.02E-16	0.213634	0.272	0.153	1.53E-12	M2	HAMP
HKR1.4	1.02E-16	-0.21424	0.023	0.123	1.53E-12	M2	HKR1
BEST3.4	1.04E-16	-0.34869	0.006	0.093	1.55E-12	M2	BEST3
ZNF506.3	1.04E-16	-0.19083	0.026	0.128	1.56E-12	M2	ZNF506
DID01.3	1.05E-16	-0.19402	0.043	0.156	1.56E-12	M2	DID01
ATP6AP2.3	1.10E-16	0.134741	0.692	0.654	1.65E-12	M2	ATP6AP2
BDP1.2	1.10E-16	-0.25476	0.115	0.254	1.65E-12	M2	BDP1
FDFT1.3	1.11E-16	-0.29799	0.162	0.316	1.66E-12	M2	FDFT1
SAC3D1.5	1.13E-16	-0.22485	0.059	0.178	1.69E-12	M2	SAC3D1
NOVA2.3	1.16E-16	-0.2057	0.003	0.086	1.73E-12	M2	NOVA2
PPP5C.4	1.17E-16	-0.21714	0.063	0.185	1.75E-12	M2	PPP5C
SLC4A3.2	1.17E-16	-0.1912	0.008	0.096	1.75E-12	M2	SLC4A3
ZNF766.1	1.18E-16	-0.22504	0.029	0.133	1.77E-12	M2	ZNF766
DHX9.3	1.22E-16	-0.20122	0.138	0.288	1.82E-12	M2	DHX9
PSMD5-AS1	1.23E-16	-0.20307	0.066	0.19	1.83E-12	M2	PSMD5-AS1
HOXC9.5	1.24E-16	-0.28564	0.005	0.091	1.85E-12	M2	HOXC9
LONRF2.3	1.26E-16	-0.21047	0.009	0.098	1.89E-12	M2	LONRF2
TNKS.5	1.36E-16	-0.19216	0.043	0.156	2.03E-12	M2	TNKS
RPS6KL1.4	1.36E-16	-0.24225	0.014	0.106	2.03E-12	M2	RPS6KL1
GTF2F2.2	1.37E-16	-0.28217	0.16	0.309	2.05E-12	M2	GTF2F2
UXT.3	1.40E-16	0.219893	0.604	0.533	2.09E-12	M2	UXT
MAOB.3	1.40E-16	-0.3349	0.013	0.104	2.10E-12	M2	MAOB
BRD8.3	1.45E-16	-0.23324	0.054	0.17	2.16E-12	M2	BRD8
IL15.3	1.51E-16	0.207277	0.091	0.033	2.25E-12	M2	IL15
CXXC4.4	1.51E-16	-0.2178	0.001	0.083	2.26E-12	M2	CXXC4
ZNF12.3	1.60E-16	-0.19107	0.028	0.131	2.40E-12	M2	ZNF12
SLC25A18.	1.62E-16	-0.23881	0.006	0.093	2.42E-12	M2	SLC25A18
PLCG1.3	1.64E-16	-0.20009	0.014	0.106	2.46E-12	M2	PLCG1
FAM84B.4	1.66E-16	-0.23953	0.006	0.093	2.48E-12	M2	FAM84B
IGFBP3.3	1.67E-16	-0.53854	0.087	0.202	2.49E-12	M2	IGFBP3
IPO5.3	1.70E-16	-0.21372	0.091	0.225	2.53E-12	M2	IPO5
RAD50.2	1.70E-16	-0.23204	0.129	0.275	2.54E-12	M2	RAD50
TMEM47.3	1.71E-16	-0.17923	0.003	0.086	2.56E-12	M2	TMEM47
ID1.3	1.75E-16	-0.27183	0.027	0.127	2.62E-12	M2	ID1
KLC2.4	1.80E-16	-0.18655	0.027	0.128	2.69E-12	M2	KLC2
HDAC2.5	1.80E-16	-0.25799	0.285	0.459	2.69E-12	M2	HDAC2
ICAM4	1.81E-16	0.122462	0.04	0.008	2.70E-12	M2	ICAM4
DUSP14.4	1.89E-16	-0.22103	0.065	0.187	2.83E-12	M2	DUSP14

SYNRG.3	1.91E-16	-0.20119	0.073	0.197	2.85E-12	M2	SYNRG
GNAO1.3	1.95E-16	-0.29959	0.009	0.096	2.91E-12	M2	GNAO1
C14orf132	1.96E-16	-0.29585	0.009	0.097	2.92E-12	M2	C14orf132
TGFBR1.5	1.99E-16	0.277393	0.261	0.155	2.97E-12	M2	TGFBR1
ZNRF1.5	2.00E-16	-0.15242	0.023	0.123	2.98E-12	M2	ZNRF1
RAB27A.3	2.01E-16	0.28615	0.151	0.073	3.01E-12	M2	RAB27A
ZNF580.4	2.03E-16	-0.24466	0.153	0.301	3.03E-12	M2	ZNF580
DYNLL2.5	2.06E-16	-0.19134	0.084	0.214	3.08E-12	M2	DYNLL2
TANC1.3	2.07E-16	-0.18047	0.019	0.115	3.10E-12	M2	TANC1
TMEM203.4	2.08E-16	-0.20229	0.119	0.262	3.10E-12	M2	TMEM203
LMO1.4	2.10E-16	-0.28483	0	0.08	3.14E-12	M2	LMO1
SOX5.3	2.10E-16	-0.22225	0.008	0.094	3.14E-12	M2	SOX5
WNT5A.5	2.12E-16	0.240277	0.124	0.054	3.17E-12	M2	WNT5A
ZNF708.2	2.13E-16	-0.19554	0.013	0.104	3.18E-12	M2	ZNF708
CCDC181.4	2.15E-16	-0.23233	0.003	0.085	3.22E-12	M2	CCDC181
SPOCD1.3	2.19E-16	-0.42976	0.096	0.226	3.27E-12	M2	SPOCD1
TKT.3	2.19E-16	0.234114	0.575	0.504	3.27E-12	M2	TKT
RRM1.3	2.20E-16	-0.23444	0.07	0.193	3.29E-12	M2	RRM1
MAP2K1.5	2.24E-16	0.352364	0.361	0.262	3.35E-12	M2	MAP2K1
TBCC.5	2.26E-16	-0.26205	0.098	0.23	3.38E-12	M2	TBCC
ATXN7L3B.2	2.27E-16	-0.16344	0.066	0.189	3.40E-12	M2	ATXN7L3B
TPGS2.2	2.30E-16	-0.22239	0.189	0.349	3.44E-12	M2	TPGS2
AHCYL1.5	2.32E-16	-0.30783	0.178	0.338	3.47E-12	M2	AHCYL1
POU2F1.4	2.49E-16	-0.19783	0.052	0.168	3.72E-12	M2	POU2F1
SLN.2	2.51E-16	-0.68311	0.057	0.169	3.75E-12	M2	SLN
NEIL2.4	2.53E-16	-0.23237	0.079	0.207	3.78E-12	M2	NEIL2
ZFP90.4	2.55E-16	-0.18176	0.033	0.138	3.80E-12	M2	ZFP90
SEPT11.5	2.55E-16	-0.24947	0.163	0.313	3.82E-12	M2	11-Sep
RUNDC1.1	2.56E-16	-0.22252	0.037	0.142	3.82E-12	M2	RUNDC1
CSNK2A1.3	2.58E-16	-0.21626	0.169	0.327	3.86E-12	M2	CSNK2A1
EPHA4.2	2.59E-16	-0.20139	0.004	0.087	3.87E-12	M2	EPHA4
TCF3.4	2.60E-16	-0.16195	0.032	0.136	3.89E-12	M2	TCF3
GLRX5.4	2.66E-16	-0.26212	0.156	0.306	3.97E-12	M2	GLRX5
C1orf52.5	2.69E-16	-0.23904	0.162	0.317	4.02E-12	M2	C1orf52
PTPN13.3	2.70E-16	-0.17331	0.01	0.099	4.03E-12	M2	PTPN13
AP001055.2	2.72E-16	0.261889	0.157	0.074	4.07E-12	M2	AP001055.6
CAMSAP2.3	2.76E-16	-0.18315	0.045	0.157	4.12E-12	M2	CAMSAP2
LRRC17.3	2.82E-16	-0.23368	0	0.079	4.21E-12	M2	LRRC17
ACTL6B.4	2.85E-16	-0.30318	0.001	0.082	4.26E-12	M2	ACTL6B
DUSP26.4	2.87E-16	-0.32653	0.008	0.093	4.29E-12	M2	DUSP26
FAM171A1.2	2.89E-16	-0.19569	0.001	0.082	4.33E-12	M2	FAM171A1
IWS1.2	2.90E-16	-0.24556	0.091	0.222	4.34E-12	M2	IWS1
CXADR.5	2.94E-16	-0.29316	0.167	0.317	4.40E-12	M2	CXADR
TLCD1.3	2.95E-16	-0.16295	0.004	0.086	4.41E-12	M2	TLCD1
ACAA2.3	2.97E-16	0.281288	0.313	0.202	4.44E-12	M2	ACAA2
PRMT1.2	3.02E-16	-0.29046	0.382	0.566	4.51E-12	M2	PRMT1
AGPAT5.4	3.02E-16	-0.2538	0.088	0.218	4.52E-12	M2	AGPAT5
HOXD11.3	3.03E-16	-0.15617	0.001	0.082	4.52E-12	M2	HOXD11
PAM.4	3.03E-16	-0.17323	0.055	0.173	4.53E-12	M2	PAM
AMOTL2.2	3.09E-16	-0.25691	0.004	0.087	4.62E-12	M2	AMOTL2
LDOC1.4	3.09E-16	-0.31352	0.008	0.094	4.62E-12	M2	LDOC1

AASDHPPT. 3.	2.3E-16	-0.24865	0.148	0.298	4.83E-12 M2	AASDHPPT
SLC29A1. 4	3.26E-16	0.282466	0.232	0.131	4.87E-12 M2	SLC29A1
TMX4. 3	3.31E-16	-0.22572	0.115	0.255	4.95E-12 M2	TMX4
NUDT16L1. 3.	3.35E-16	-0.19465	0.139	0.292	5.00E-12 M2	NUDT16L1
GABARAP. 3	3.37E-16	0.275319	0.539	0.455	5.04E-12 M2	GABARAP
COIL. 3	3.37E-16	-0.20685	0.07	0.193	5.04E-12 M2	COIL
MEOX2. 3	3.45E-16	-0.21963	0.003	0.084	5.16E-12 M2	MEOX2
LMCD1. 3	3.47E-16	-0.18729	0.006	0.091	5.18E-12 M2	LMCD1
EAF2. 5	3.50E-16	0.26614	0.174	0.087	5.23E-12 M2	EAF2
TMTC4. 4	3.53E-16	-0.24792	0.014	0.104	5.28E-12 M2	TMTC4
PRKACB. 2	3.58E-16	-0.24856	0.093	0.224	5.34E-12 M2	PRKACB
ZBTB16. 2	3.59E-16	-0.38458	0.052	0.163	5.37E-12 M2	ZBTB16
BOK. 5	3.60E-16	-0.22117	0.001	0.081	5.37E-12 M2	BOK
TOM1L2. 2	3.61E-16	-0.2092	0.027	0.126	5.39E-12 M2	TOM1L2
C9orf3. 3	3.66E-16	-0.3212	0.018	0.111	5.47E-12 M2	C9orf3
RAB3GAP2. 3.	3.69E-16	-0.24186	0.061	0.178	5.51E-12 M2	RAB3GAP2
C1orf198. 3.	3.71E-16	-0.27713	0.018	0.111	5.54E-12 M2	C1orf198
SMAD5. 4	3.73E-16	-0.20164	0.06	0.178	5.57E-12 M2	SMAD5
FAM216A. 3	3.74E-16	-0.20721	0.028	0.129	5.59E-12 M2	FAM216A
KCTD6. 1	3.85E-16	-0.20785	0.026	0.124	5.75E-12 M2	KCTD6
MGST3. 3	3.85E-16	0.12199	0.752	0.689	5.75E-12 M2	MGST3
ANXA2R. 4	3.86E-16	-0.2071	0.047	0.159	5.77E-12 M2	ANXA2R
FANCF. 3	3.87E-16	-0.23261	0.01	0.098	5.78E-12 M2	FANCF
RP11-1398	3.87E-16	0.138408	0.051	0.013	5.78E-12 M2	RP11-1398P2. 1
JAG1. 4	3.88E-16	-0.20796	0.052	0.166	5.79E-12 M2	JAG1
ABHD17C. 2	3.90E-16	-0.15176	0.005	0.089	5.83E-12 M2	ABHD17C
UBXN2A. 3	3.99E-16	-0.2157	0.073	0.196	5.96E-12 M2	UBXN2A
CYHR1. 4	4.02E-16	-0.25004	0.14	0.288	6.00E-12 M2	CYHR1
BBX. 2	4.05E-16	-0.28386	0.249	0.418	6.05E-12 M2	BBX
CRY1. 2	4.14E-16	-0.25493	0.038	0.143	6.19E-12 M2	CRY1
PRKCZ. 5	4.24E-16	-0.21921	0.015	0.106	6.34E-12 M2	PRKCZ
SSR1. 4	4.30E-16	0.263991	0.531	0.464	6.42E-12 M2	SSR1
ABCD4. 3	4.31E-16	-0.26374	0.125	0.266	6.44E-12 M2	ABCD4
YPEL1. 5	4.43E-16	-0.1984	0.011	0.099	6.62E-12 M2	YPEL1
HES4. 5	4.44E-16	-0.21443	0.072	0.195	6.63E-12 M2	HES4
DNAJB2. 4	4.44E-16	-0.21305	0.167	0.325	6.64E-12 M2	DNAJB2
TMED10. 2	4.55E-16	0.129316	0.678	0.608	6.80E-12 M2	TMED10
MX2. 5	4.63E-16	0.224558	0.133	0.059	6.92E-12 M2	MX2
MANF. 4	4.78E-16	0.292306	0.513	0.446	7.14E-12 M2	MANF
DHCR24. 2	4.80E-16	-0.21667	0.013	0.101	7.18E-12 M2	DHCR24
RAB40B. 5	4.89E-16	-0.26656	0.034	0.137	7.31E-12 M2	RAB40B
MRC2. 2	4.94E-16	-0.20115	0.063	0.181	7.38E-12 M2	MRC2
FAM89B. 4	5.02E-16	-0.20188	0.117	0.256	7.50E-12 M2	FAM89B
MTMR9. 3	5.09E-16	-0.22762	0.075	0.197	7.60E-12 M2	MTMR9
B9D1. 3	5.10E-16	-0.23804	0.015	0.107	7.62E-12 M2	B9D1
SNHG10. 2	5.10E-16	-0.20658	0.011	0.1	7.63E-12 M2	SNHG10
CETN3. 3	5.12E-16	-0.23103	0.045	0.154	7.66E-12 M2	CETN3
PLCB1. 3	5.21E-16	-0.18802	0.004	0.085	7.79E-12 M2	PLCB1
WBP4. 4	5.24E-16	-0.24288	0.16	0.316	7.83E-12 M2	WBP4
CCDC28A. 4	5.26E-16	0.367345	0.249	0.152	7.86E-12 M2	CCDC28A
MLLT4. 4	5.34E-16	-0.24935	0.056	0.169	7.98E-12 M2	MLLT4

QSOX1.4	5.36E-16	0.384446	0.326	0.23	8.01E-12	M2	QSOX1
DCAF13.3	5.37E-16	-0.2717	0.172	0.328	8.02E-12	M2	DCAF13
DUSP15.4	5.42E-16	-0.17383	0.011	0.099	8.09E-12	M2	DUSP15
SNHG9.2	5.57E-16	-0.16888	0.153	0.315	8.32E-12	M2	SNHG9
CST3.3	5.63E-16	0.114165	0.905	0.778	8.41E-12	M2	CST3
ZNF566.3	5.73E-16	-0.21852	0.024	0.122	8.56E-12	M2	ZNF566
FAM217B.5	5.75E-16	-0.18039	0.05	0.163	8.59E-12	M2	FAM217B
RP11-83A2	5.79E-16	-0.22776	0.037	0.142	8.65E-12	M2	RP11-83A24.2
MGARP.2	5.84E-16	-0.15999	0.004	0.085	8.73E-12	M2	MGARP
CDKN1B.4	5.93E-16	-0.25959	0.128	0.268	8.86E-12	M2	CDKN1B
SCARF1.4	5.97E-16	0.149707	0.072	0.023	8.93E-12	M2	SCARF1
UQCRH.3	6.02E-16	0.10248	0.845	0.776	9.00E-12	M2	UQCRH
ACOT9.5	6.14E-16	0.367873	0.275	0.175	9.18E-12	M2	ACOT9
BIVM.3	6.22E-16	-0.18618	0.022	0.117	9.30E-12	M2	BIVM
FBXO11.3	6.33E-16	-0.25074	0.088	0.214	9.46E-12	M2	FBXO11
GAN.3	6.46E-16	-0.1702	0.041	0.149	9.66E-12	M2	GAN
RUVBL1.2	6.49E-16	-0.25207	0.132	0.276	9.70E-12	M2	RUVBL1
ELMOD1.3	6.53E-16	-0.15307	0.005	0.087	9.75E-12	M2	ELMOD1
PIANP.3	6.63E-16	-0.17311	0.005	0.087	9.91E-12	M2	PIANP
PDGFA.2	6.76E-16	-0.26784	0.014	0.103	1.01E-11	M2	PDGFA
TRIM13.3	6.83E-16	-0.24165	0.119	0.258	1.02E-11	M2	TRIM13
TUBG1.3	6.86E-16	-0.23056	0.107	0.243	1.03E-11	M2	TUBG1
ZNF638.4	6.89E-16	-0.19589	0.12	0.261	1.03E-11	M2	ZNF638
SPSB3.2	6.91E-16	-0.2542	0.163	0.314	1.03E-11	M2	SPSB3
ZNF467.4	6.93E-16	0.154584	0.084	0.03	1.04E-11	M2	ZNF467
PRCC.2	7.16E-16	-0.24907	0.162	0.313	1.07E-11	M2	PRCC
ADD2.3	7.43E-16	-0.21079	0.009	0.094	1.11E-11	M2	ADD2
MARCH1.5	7.60E-16	0.23619	0.299	0.183	1.14E-11	M2	1-Mar
CCDC130.3	7.60E-16	-0.19581	0.101	0.237	1.14E-11	M2	CCDC130
ZNF667.4	7.62E-16	-0.20972	0.005	0.087	1.14E-11	M2	ZNF667
ELOVL2.5	8.04E-16	-0.14491	0.014	0.104	1.20E-11	M2	ELOVL2
RFC1.3	8.25E-16	-0.21316	0.138	0.286	1.23E-11	M2	RFC1
AGAP2-AS1	8.49E-16	-0.35006	0.014	0.101	1.27E-11	M2	AGAP2-AS1
MAPKAPK5-	8.73E-16	-0.20501	0.098	0.232	1.30E-11	M2	MAPKAPK5-AS1
SSR2.2	8.82E-16	0.141091	0.766	0.71	1.32E-11	M2	SSR2
ARMCX1.4	8.96E-16	-0.29636	0.097	0.222	1.34E-11	M2	ARMCX1
PDGFD.3	8.98E-16	-0.15547	0.004	0.084	1.34E-11	M2	PDGFD
REEP1.5	9.01E-16	-0.22167	0.005	0.086	1.35E-11	M2	REEP1
ZEB2.3	9.11E-16	0.336923	0.401	0.297	1.36E-11	M2	ZEB2
ANAPC7.3	9.16E-16	-0.23082	0.064	0.179	1.37E-11	M2	ANAPC7
CHCHD1.3	9.24E-16	0.395983	0.355	0.264	1.38E-11	M2	CHCHD1
NAPEPLD.2	9.65E-16	-0.21358	0.015	0.105	1.44E-11	M2	NAPEPLD
DLGAP4.2	9.70E-16	-0.22264	0.155	0.303	1.45E-11	M2	DLGAP4
DHX36.3	9.81E-16	-0.24005	0.266	0.437	1.47E-11	M2	DHX36
DGCR6.2	1.01E-15	-0.15397	0.05	0.161	1.50E-11	M2	DGCR6
C9orf9.4	1.01E-15	-0.19003	0.022	0.116	1.50E-11	M2	C9orf9
PHIP.3	1.02E-15	-0.23483	0.185	0.342	1.52E-11	M2	PHIP
ROCK2.2	1.04E-15	-0.18379	0.049	0.159	1.55E-11	M2	ROCK2
MNAT1.4	1.07E-15	-0.19231	0.077	0.201	1.59E-11	M2	MNAT1
P4HA2.1	1.07E-15	0.369523	0.149	0.076	1.60E-11	M2	P4HA2
SNCAIP.4	1.08E-15	-0.19244	0.008	0.091	1.62E-11	M2	SNCAIP

RNF216	1.09E-15	-0.19336	0.105	0.239	1.63E-11	M2	RNF216
SFPQ.3	1.12E-15	-0.23697	0.383	0.554	1.68E-11	M2	SFPQ
FAM131B.3	1.13E-15	-0.20713	0.003	0.081	1.69E-11	M2	FAM131B
ZNF577.4	1.14E-15	-0.17279	0.011	0.098	1.70E-11	M2	ZNF577
CDKN2AIPN	1.14E-15	-0.25631	0.121	0.258	1.70E-11	M2	CDKN2AIPNL
RNPS1.1	1.20E-15	-0.23239	0.363	0.546	1.80E-11	M2	RNPS1
MAU2.1	1.21E-15	-0.19096	0.031	0.13	1.81E-11	M2	MAU2
RRAS2.3	1.23E-15	-0.16519	0.004	0.083	1.84E-11	M2	RRAS2
CSNK1G3.3	1.23E-15	-0.18324	0.05	0.16	1.84E-11	M2	CSNK1G3
COPS7B.2	1.25E-15	-0.20925	0.08	0.205	1.86E-11	M2	COPS7B
SCAMP5.3	1.28E-15	-0.18384	0.014	0.102	1.91E-11	M2	SCAMP5
C11orf31.1	1.31E-15	0.131474	0.713	0.665	1.96E-11	M2	C11orf31
ZNF814.2	1.31E-15	-0.22499	0.031	0.129	1.96E-11	M2	ZNF814
NME7.5	1.32E-15	-0.23071	0.056	0.169	1.98E-11	M2	NME7
HERC2.2	1.34E-15	-0.21024	0.075	0.196	2.01E-11	M2	HERC2
ZSCAN21.3	1.36E-15	-0.22542	0.018	0.108	2.03E-11	M2	ZSCAN21
KBTBD6.3	1.37E-15	-0.20458	0.036	0.138	2.05E-11	M2	KBTBD6
ETV4.4	1.38E-15	-0.17652	0.004	0.083	2.06E-11	M2	ETV4
PDS5B.3	1.39E-15	-0.17097	0.06	0.175	2.08E-11	M2	PDS5B
ELOVL5.1	1.39E-15	-0.26178	0.179	0.334	2.08E-11	M2	ELOVL5
KLF12.4	1.40E-15	-0.20422	0.008	0.09	2.09E-11	M2	KLF12
NR1H3.1	1.40E-15	0.266182	0.114	0.049	2.10E-11	M2	NR1H3
INPP5D.5	1.40E-15	0.264223	0.162	0.079	2.10E-11	M2	INPP5D
SMARCC1.4	1.41E-15	-0.19578	0.124	0.264	2.11E-11	M2	SMARCC1
BAX.5	1.41E-15	0.217146	0.616	0.562	2.11E-11	M2	BAX
MARK3.3	1.43E-15	-0.19691	0.148	0.297	2.13E-11	M2	MARK3
ADD1.3	1.43E-15	-0.22571	0.165	0.317	2.14E-11	M2	ADD1
PELP1.4	1.49E-15	-0.18951	0.049	0.158	2.22E-11	M2	PELP1
TMEM108.3	1.50E-15	-0.17753	0.005	0.086	2.25E-11	M2	TMEM108
NUDCD3.3	1.51E-15	-0.2035	0.082	0.206	2.25E-11	M2	NUDCD3
SNX21.2	1.55E-15	-0.13964	0.027	0.125	2.32E-11	M2	SNX21
IFT43.4	1.56E-15	-0.2171	0.123	0.266	2.33E-11	M2	IFT43
CMKLR1.4	1.56E-15	0.187486	0.11	0.045	2.34E-11	M2	CMKLR1
CALM2.4	1.57E-15	-0.22451	0.923	0.933	2.35E-11	M2	CALM2
KCNK13.2	1.58E-15	0.124914	0.065	0.02	2.35E-11	M2	KCNK13
FAM105A.5	1.59E-15	0.174955	0.273	0.155	2.37E-11	M2	FAM105A
MPP6.3	1.61E-15	-0.17323	0.001	0.078	2.40E-11	M2	MPP6
SLC29A4.2	1.63E-15	-0.18829	0.006	0.088	2.43E-11	M2	SLC29A4
CTBS.3	1.63E-15	0.34077	0.244	0.15	2.43E-11	M2	CTBS
LOXL1.3	1.64E-15	-0.1479	0.004	0.083	2.45E-11	M2	LOXL1
ZNF583.3	1.69E-15	-0.23978	0.02	0.112	2.53E-11	M2	ZNF583
FADS2.3	1.69E-15	-0.18032	0.04	0.143	2.53E-11	M2	FADS2
CACNB4.1	1.76E-15	-0.21683	0.01	0.094	2.63E-11	M2	CACNB4
RFXAP.2	1.77E-15	-0.20666	0.014	0.101	2.64E-11	M2	RFXAP
VAX2.4	1.77E-15	-0.19112	0.005	0.085	2.64E-11	M2	VAX2
MFI2-AS1.1	1.78E-15	-0.17862	0.003	0.08	2.65E-11	M2	MFI2-AS1
ICA1L.2	1.78E-15	-0.21799	0.017	0.106	2.66E-11	M2	ICA1L
MOAP1.3	1.82E-15	-0.21662	0.096	0.226	2.72E-11	M2	MOAP1
ARHGAP15.1	1.89E-15	0.255766	0.179	0.091	2.82E-11	M2	ARHGAP15
RAD51C.3	1.93E-15	-0.18875	0.132	0.276	2.88E-11	M2	RAD51C
H2AFY.5	1.96E-15	0.198815	0.633	0.605	2.93E-11	M2	H2AFY



IRF2BP1.4	1.97E-15	-0.16479	0.02	0.112	2.95E-11	M2	IRF2BP1
HLA-F.5	1.98E-15	0.216198	0.244	0.139	2.95E-11	M2	HLA-F
TSSC4.3	1.99E-15	-0.2003	0.166	0.322	2.97E-11	M2	TSSC4
DYSF	2.01E-15	0.198747	0.033	0.007	3.01E-11	M2	DYSF
MMP9	2.05E-15	0.235714	0.073	0.025	3.06E-11	M2	MMP9
NOS1AP.4	2.10E-15	-0.19422	0.005	0.084	3.14E-11	M2	NOS1AP
TTC28.3	2.10E-15	-0.18101	0.014	0.101	3.14E-11	M2	TTC28
RNF146.2	2.11E-15	-0.26939	0.128	0.264	3.15E-11	M2	RNF146
LYRM7.3	2.12E-15	-0.24179	0.088	0.209	3.17E-11	M2	LYRM7
ARMC6.2	2.14E-15	-0.22852	0.057	0.168	3.20E-11	M2	ARMC6
LANCL1.4	2.18E-15	-0.26772	0.028	0.123	3.26E-11	M2	LANCL1
EMID1.3	2.21E-15	-0.17598	0.001	0.077	3.31E-11	M2	EMID1
ARL10.2	2.22E-15	-0.17346	0.01	0.094	3.32E-11	M2	ARL10
VSTM1	2.28E-15	0.150499	0.032	0.006	3.41E-11	M2	VSTM1
MPLKIP.2	2.29E-15	-0.29101	0.285	0.456	3.43E-11	M2	MPLKIP
ATP8B4.4	2.31E-15	0.133647	0.1	0.039	3.46E-11	M2	ATP8B4
RUVBL2.2	2.32E-15	-0.26474	0.178	0.328	3.47E-11	M2	RUVBL2
PCSK7.3	2.35E-15	-0.23657	0.146	0.292	3.51E-11	M2	PCSK7
ELMO2.2	2.43E-15	-0.1688	0.034	0.135	3.63E-11	M2	ELMO2
ZNF24.3	2.46E-15	-0.26403	0.162	0.31	3.68E-11	M2	ZNF24
PCDHB2.3	2.50E-15	-0.16808	0.005	0.085	3.73E-11	M2	PCDHB2
IFI27L1.3	2.50E-15	-0.2137	0.073	0.194	3.73E-11	M2	IFI27L1
GAB1.3	2.52E-15	-0.19384	0.018	0.108	3.77E-11	M2	GAB1
CECR1.5	2.58E-15	0.205753	0.142	0.066	3.85E-11	M2	CECR1
ARHGAP12.2	2.58E-15	-0.25418	0.078	0.197	3.86E-11	M2	ARHGAP12
C21orf59.2	2.61E-15	-0.21467	0.172	0.326	3.90E-11	M2	C21orf59
RBM26.3	2.64E-15	-0.22923	0.096	0.221	3.94E-11	M2	RBM26
TIAM2.4	2.72E-15	-0.2237	0.005	0.084	4.07E-11	M2	TIAM2
NDUFB8.1	2.74E-15	0.312857	0.12	0.052	4.10E-11	M2	NDUFB8
DSCAM.2	2.74E-15	-0.2392	0.003	0.079	4.10E-11	M2	DSCAM
PLXNA4.4	2.78E-15	-0.22675	0.004	0.082	4.15E-11	M2	PLXNA4
POLR2B.4	2.81E-15	-0.26324	0.135	0.271	4.20E-11	M2	POLR2B
ARHGEF12.2	2.87E-15	-0.19538	0.056	0.168	4.29E-11	M2	ARHGEF12
TRABD.5	2.91E-15	0.346412	0.35	0.252	4.34E-11	M2	TRABD
ERI3.3	3.00E-15	-0.20099	0.213	0.38	4.48E-11	M2	ERI3
SORBS1.3	3.02E-15	-0.14391	0.013	0.099	4.51E-11	M2	SORBS1
C12orf73.3	3.03E-15	-0.19986	0.052	0.162	4.53E-11	M2	C12orf73
SLC35F2.3	3.05E-15	-0.15491	0.022	0.114	4.56E-11	M2	SLC35F2
C19orf38.3	3.10E-15	0.210581	0.106	0.044	4.63E-11	M2	C19orf38
LRRC40.2	3.12E-15	-0.22012	0.045	0.149	4.66E-11	M2	LRRC40
ECI1.3	3.16E-15	-0.17834	0.095	0.222	4.73E-11	M2	ECI1
PKIA.5	3.26E-15	-0.26623	0.014	0.099	4.88E-11	M2	PKIA
SERPINH1.3	3.33E-15	-0.22243	0.092	0.217	4.97E-11	M2	SERPINH1
DDX49.3	3.36E-15	-0.2079	0.14	0.284	5.02E-11	M2	DDX49
BRI3.3	3.37E-15	0.251674	0.525	0.464	5.03E-11	M2	BRI3
WASF1.2	3.45E-15	-0.2021	0.014	0.1	5.15E-11	M2	WASF1
PAX6.3	3.47E-15	-0.16388	0.005	0.084	5.18E-11	M2	PAX6
FIGN.3	3.47E-15	-0.16426	0.01	0.093	5.19E-11	M2	FIGN
PPP1R35.5	3.48E-15	-0.1932	0.055	0.165	5.21E-11	M2	PPP1R35
OTUD6B.3	3.53E-15	-0.17729	0.029	0.126	5.27E-11	M2	OTUD6B
MEX3C.2	3.55E-15	-0.16016	0.014	0.1	5.31E-11	M2	MEX3C

PARP1. 3	3. 60E-15	-0. 20966	0. 301	0. 484	5. 37E-11 M2	PARP1
DMTF1. 3	3. 70E-15	-0. 21155	0. 049	0. 155	5. 52E-11 M2	DMTF1
RASD1. 3	3. 76E-15	-0. 32997	0. 04	0. 14	5. 61E-11 M2	RASD1
NUMBL. 3	3. 86E-15	-0. 15787	0. 011	0. 095	5. 77E-11 M2	NUMBL
MCRS1. 2	3. 89E-15	-0. 21166	0. 137	0. 28	5. 81E-11 M2	MCRS1
MSANTD4. 2	3. 89E-15	-0. 19088	0. 033	0. 132	5. 81E-11 M2	MSANTD4
CHGB. 2	3. 99E-15	-0. 268	0. 01	0. 093	5. 96E-11 M2	CHGB
NCAN. 3	4. 02E-15	-0. 27782	0. 006	0. 085	6. 01E-11 M2	NCAN
CLEC4A. 5	4. 06E-15	0. 158126	0. 128	0. 057	6. 07E-11 M2	CLEC4A
ITGA3. 3	4. 07E-15	-0. 15746	0. 017	0. 104	6. 08E-11 M2	ITGA3
TRMT10C. 3	4. 12E-15	-0. 21039	0. 123	0. 259	6. 15E-11 M2	TRMT10C
MLLT3. 3	4. 13E-15	-0. 20468	0. 014	0. 099	6. 18E-11 M2	MLLT3
ZNF436. 3	4. 17E-15	-0. 15459	0. 005	0. 083	6. 23E-11 M2	ZNF436
COQ7. 3	4. 20E-15	-0. 22874	0. 077	0. 195	6. 28E-11 M2	COQ7
KLHDC9. 3	4. 23E-15	-0. 20209	0. 003	0. 078	6. 32E-11 M2	KLHDC9
EPHA3. 4	4. 27E-15	-0. 13783	0. 003	0. 078	6. 38E-11 M2	EPHA3
UBB. 4	4. 33E-15	-0. 19857	0. 918	0. 91	6. 48E-11 M2	UBB
CLEC11A. 4	4. 34E-15	0. 373645	0. 314	0. 226	6. 48E-11 M2	CLEC11A
MUS81. 2	4. 34E-15	-0. 20121	0. 066	0. 182	6. 48E-11 M2	MUS81
VPS26B. 4	4. 35E-15	-0. 20186	0. 109	0. 24	6. 49E-11 M2	VPS26B
ZNF426. 2	4. 36E-15	-0. 20796	0. 026	0. 119	6. 52E-11 M2	ZNF426
GSTK1. 3	4. 39E-15	0. 186595	0. 596	0. 525	6. 56E-11 M2	GSTK1
IP6K1. 2	4. 52E-15	-0. 19106	0. 051	0. 158	6. 75E-11 M2	IP6K1
MED17. 2	4. 52E-15	-0. 23764	0. 079	0. 197	6. 75E-11 M2	MED17
RBM28. 3	4. 87E-15	-0. 1902	0. 059	0. 17	7. 28E-11 M2	RBM28
TM2D3. 2	4. 88E-15	-0. 2319	0. 188	0. 341	7. 29E-11 M2	TM2D3
DDX42. 3	4. 90E-15	-0. 19181	0. 098	0. 227	7. 33E-11 M2	DDX42
CC2D1A. 4	4. 97E-15	-0. 17995	0. 075	0. 194	7. 43E-11 M2	CC2D1A
DTYMK. 4	5. 04E-15	-0. 24682	0. 189	0. 339	7. 53E-11 M2	DTYMK
STK33. 4	5. 05E-15	-0. 1653	0	0. 073	7. 54E-11 M2	STK33
SMC3. 3	5. 20E-15	-0. 25658	0. 153	0. 295	7. 77E-11 M2	SMC3
RP11-212P. 2	5. 36E-15	-0. 1849	0. 013	0. 097	8. 01E-11 M2	RP11-212P7. 2
ARHGEF9. 4	5. 37E-15	-0. 22281	0. 031	0. 126	8. 02E-11 M2	ARHGEF9
CLK4. 1	5. 39E-15	-0. 23554	0. 059	0. 17	8. 05E-11 M2	CLK4
GPR137. 4	5. 53E-15	-0. 16772	0. 091	0. 217	8. 27E-11 M2	GPR137
DDT. 2	5. 57E-15	0. 214056	0. 586	0. 518	8. 33E-11 M2	DDT
CRK. 2	5. 61E-15	-0. 1953	0. 176	0. 326	8. 38E-11 M2	CRK
F12. 3	5. 64E-15	-0. 15792	0. 005	0. 083	8. 42E-11 M2	F12
BRWD1. 4	5. 71E-15	-0. 1989	0. 117	0. 25	8. 53E-11 M2	BRWD1
ECHS1. 2	5. 72E-15	0. 270124	0. 502	0. 429	8. 54E-11 M2	ECHS1
WDR6. 3	5. 75E-15	-0. 17139	0. 107	0. 241	8. 60E-11 M2	WDR6
ZFP14. 3	5. 90E-15	-0. 23261	0. 026	0. 118	8. 82E-11 M2	ZFP14
MR1. 3	6. 00E-15	0. 275061	0. 162	0. 083	8. 97E-11 M2	MR1
KEAP1. 3	6. 01E-15	-0. 16814	0. 139	0. 281	8. 98E-11 M2	KEAP1
SRR. 4	6. 07E-15	-0. 15761	0. 052	0. 161	9. 06E-11 M2	SRR
SPAG9. 4	6. 08E-15	-0. 196	0. 201	0. 364	9. 09E-11 M2	SPAG9
ANKRA2. 2	6. 17E-15	-0. 24981	0. 05	0. 154	9. 21E-11 M2	ANKRA2
TTF1. 2	6. 18E-15	-0. 20547	0. 088	0. 211	9. 23E-11 M2	TTF1
MLF1. 2	6. 20E-15	-0. 19638	0. 117	0. 251	9. 26E-11 M2	MLF1
PEG10. 3	6. 27E-15	-0. 30744	0. 02	0. 108	9. 37E-11 M2	PEG10
FLI1. 5	6. 28E-15	0. 178943	0. 112	0. 048	9. 38E-11 M2	FLI1

DHRS13.3	6.38E-15	-0.14507	0.017	0.103	9.54E-11	M2	DHRS13
PTPRG.2	6.40E-15	-0.18171	0.003	0.078	9.57E-11	M2	PTPRG
NLRC4	6.51E-15	0.127634	0.043	0.011	9.72E-11	M2	NLRC4
ICOSLG.5	6.54E-15	0.265644	0.167	0.085	9.77E-11	M2	ICOSLG
DEXI.3	6.57E-15	-0.19412	0.091	0.215	9.82E-11	M2	DEXI
ASCL2.4	6.76E-15	0.164997	0.088	0.033	1.01E-10	M2	ASCL2
BRINP2.4	6.76E-15	-0.1758	0.003	0.077	1.01E-10	M2	BRINP2
TMEM86A.4	6.92E-15	0.143303	0.103	0.042	1.03E-10	M2	TMEM86A
FAM69C.4	6.97E-15	-0.15671	0.005	0.082	1.04E-10	M2	FAM69C
MRFAP1L1.7	7.01E-15	-0.1817	0.1	0.228	1.05E-10	M2	MRFAP1L1
UNC13D.4	7.28E-15	0.180306	0.106	0.044	1.09E-10	M2	UNC13D
TSPYL4.2	7.29E-15	-0.18564	0.02	0.109	1.09E-10	M2	TSPYL4
GNAI1.4	7.58E-15	-0.27758	0.023	0.111	1.13E-10	M2	GNAI1
ZNF420.3	7.60E-15	-0.22334	0.023	0.113	1.14E-10	M2	ZNF420
RP11-390E	7.70E-15	-0.20532	0.033	0.131	1.15E-10	M2	RP11-390E23.6
RAB11FIP1	7.75E-15	0.163566	0.07	0.024	1.16E-10	M2	RAB11FIP1
ABCA8.3	7.81E-15	-0.30292	0.004	0.079	1.17E-10	M2	ABCA8
CTD-3184A	7.85E-15	-0.1234	0.017	0.103	1.17E-10	M2	CTD-3184A7.4
PTP4A3.2	7.87E-15	-0.19468	0.011	0.093	1.18E-10	M2	PTP4A3
PHACTR1.5	8.06E-15	0.233256	0.206	0.111	1.20E-10	M2	PHACTR1
INSR.3	8.26E-15	-0.26752	0.049	0.152	1.23E-10	M2	INSR
PPP4C.3	8.38E-15	0.213314	0.591	0.54	1.25E-10	M2	PPP4C
SPOCK1.4	8.60E-15	-0.28886	0.008	0.086	1.28E-10	M2	SPOCK1
LILRB5	8.73E-15	0.114498	0.038	0.009	1.30E-10	M2	LILRB5
SKIV2L2.3	9.03E-15	-0.19441	0.055	0.163	1.35E-10	M2	SKIV2L2
YTHDC1.3	9.22E-15	-0.21615	0.166	0.312	1.38E-10	M2	YTHDC1
NDUFAF6.4	9.23E-15	-0.21463	0.074	0.188	1.38E-10	M2	NDUFAF6
RNF167.1	9.28E-15	-0.2362	0.254	0.418	1.39E-10	M2	RNF167
VSTM2A.4	9.36E-15	-0.47165	0.023	0.111	1.40E-10	M2	VSTM2A
DPY19L1.3	9.67E-15	-0.19616	0.022	0.11	1.45E-10	M2	DPY19L1
SIRPB2.2	9.79E-15	0.164242	0.049	0.013	1.46E-10	M2	SIRPB2
CTB-3102C	9.88E-15	-0.15197	0.027	0.12	1.48E-10	M2	CTB-31020.2
TENM1.3	1.01E-14	-0.17583	0.003	0.076	1.51E-10	M2	TENM1
SYNM.3	1.04E-14	-0.14834	0.003	0.076	1.55E-10	M2	SYNM
WDR83.3	1.04E-14	-0.16264	0.065	0.179	1.56E-10	M2	WDR83
GON4L.3	1.05E-14	-0.1935	0.097	0.223	1.57E-10	M2	GON4L
KAZN.3	1.06E-14	-0.18993	0.003	0.076	1.59E-10	M2	KAZN
SBK1.5	1.07E-14	-0.21734	0.003	0.076	1.60E-10	M2	SBK1
TLR1.5	1.08E-14	0.209912	0.135	0.063	1.61E-10	M2	TLR1
NAPB.1	1.08E-14	-0.20937	0.006	0.084	1.61E-10	M2	NAPB
TMX2.2	1.08E-14	-0.25812	0.245	0.409	1.62E-10	M2	TMX2
EFNB3.3	1.09E-14	-0.17084	0.004	0.079	1.62E-10	M2	EFNB3
ZNF444.3	1.09E-14	-0.16655	0.059	0.167	1.63E-10	M2	ZNF444
ACSBG1.2	1.10E-14	-0.17865	0.004	0.079	1.64E-10	M2	ACSBG1
FAHD2A.2	1.10E-14	-0.18367	0.066	0.18	1.65E-10	M2	FAHD2A
ZNF205.2	1.12E-14	-0.16679	0.024	0.115	1.68E-10	M2	ZNF205
ATXN80S.4	1.13E-14	0.312199	0.152	0.074	1.70E-10	M2	ATXN80S
HSPA2.2	1.14E-14	-0.46668	0.037	0.131	1.70E-10	M2	HSPA2
CRCP.3	1.14E-14	-0.19838	0.074	0.189	1.70E-10	M2	CRCP
CAMLG.4	1.15E-14	-0.23781	0.33	0.506	1.72E-10	M2	CAMLG
IL17RA.5	1.15E-14	0.313508	0.201	0.113	1.72E-10	M2	IL17RA

GGPS1. 4	1. 16E-14	-0. 23666	0. 176	0. 328	1. 73E-10 M2	GGPS1
RERE. 4	1. 17E-14	-0. 2201	0. 096	0. 219	1. 75E-10 M2	RERE
TXLNG. 3	1. 17E-14	-0. 19947	0. 041	0. 14	1. 75E-10 M2	TXLNG
MACROD1. 2	1. 22E-14	-0. 18496	0. 033	0. 129	1. 82E-10 M2	MACROD1
SEC61B. 2	1. 23E-14	0. 106363	0. 784	0. 733	1. 83E-10 M2	SEC61B
NFYB. 3	1. 23E-14	-0. 20608	0. 075	0. 191	1. 83E-10 M2	NFYB
FMN2. 3	1. 26E-14	-0. 1766	0. 001	0. 074	1. 88E-10 M2	FMN2
MDFI. 4	1. 27E-14	-0. 19339	0. 011	0. 093	1. 90E-10 M2	MDFI
PHACTR3. 4	1. 28E-14	-0. 26044	0. 006	0. 083	1. 91E-10 M2	PHACTR3
TTC32. 2	1. 33E-14	-0. 19175	0. 051	0. 156	1. 99E-10 M2	TTC32
FXYD7. 4	1. 34E-14	-0. 31924	0. 006	0. 083	2. 00E-10 M2	FXYD7
NAA15. 3	1. 35E-14	-0. 20326	0. 1	0. 224	2. 02E-10 M2	NAA15
CDCA7L. 4	1. 36E-14	-0. 26435	0. 052	0. 156	2. 03E-10 M2	CDCA7L
CTD-2319I	1. 38E-14	0. 120736	0. 042	0. 01	2. 06E-10 M2	CTD-2319I12. 2
ACADM. 1	1. 39E-14	-0. 23579	0. 189	0. 341	2. 07E-10 M2	ACADM
NACAD. 4	1. 40E-14	-0. 21985	0. 013	0. 095	2. 09E-10 M2	NACAD
REPS1. 4	1. 41E-14	-0. 18637	0. 037	0. 134	2. 11E-10 M2	REPS1
NR2C2AP. 4	1. 41E-14	-0. 20414	0. 063	0. 173	2. 11E-10 M2	NR2C2AP
ECHDC3. 4	1. 43E-14	0. 135604	0. 08	0. 029	2. 14E-10 M2	ECHDC3
SGTA. 3	1. 43E-14	-0. 1989	0. 174	0. 326	2. 14E-10 M2	SGTA
CDH6. 3	1. 44E-14	-0. 15112	0. 001	0. 073	2. 16E-10 M2	CDH6
DSTN. 5	1. 48E-14	-0. 27848	0. 502	0. 626	2. 21E-10 M2	DSTN
EHBP1L1. 4	1. 49E-14	0. 269643	0. 135	0. 066	2. 22E-10 M2	EHBP1L1
STAMPB. 3	1. 50E-14	-0. 22403	0. 135	0. 275	2. 24E-10 M2	STAMPB
DUSP12. 2	1. 54E-14	-0. 21906	0. 114	0. 244	2. 30E-10 M2	DUSP12
ZNF677. 3	1. 57E-14	-0. 12134	0. 083	0. 205	2. 35E-10 M2	ZNF677
ZNF195. 3	1. 59E-14	-0. 17798	0. 06	0. 17	2. 37E-10 M2	ZNF195
SSPN. 2	1. 61E-14	-0. 23239	0. 023	0. 112	2. 41E-10 M2	SSPN
DPH7. 4	1. 63E-14	-0. 17718	0. 064	0. 175	2. 44E-10 M2	DPH7
CWC27. 3	1. 64E-14	-0. 2024	0. 135	0. 273	2. 46E-10 M2	CWC27
SLC25A24. 1	1. 70E-14	0. 288945	0. 172	0. 093	2. 54E-10 M2	SLC25A24
ADAMTS9. 3	1. 72E-14	-0. 1629	0. 006	0. 083	2. 57E-10 M2	ADAMTS9
GPBP1. 2	1. 73E-14	-0. 2291	0. 284	0. 46	2. 59E-10 M2	GPBP1
PTPRD. 4	1. 73E-14	-0. 26053	0. 004	0. 077	2. 59E-10 M2	PTPRD
CACNG8. 3	1. 75E-14	-0. 16136	0. 004	0. 078	2. 61E-10 M2	CACNG8
TMSB10. 5	1. 79E-14	-0. 22643	1	0. 962	2. 68E-10 M2	TMSB10
ASH1L. 2	1. 80E-14	-0. 21937	0. 175	0. 319	2. 70E-10 M2	ASH1L
RAB14. 2	1. 81E-14	-0. 24705	0. 259	0. 428	2. 70E-10 M2	RAB14
GTF2IRD2. 1	1. 83E-14	-0. 18252	0. 029	0. 122	2. 73E-10 M2	GTF2IRD2
CTTNBP2. 4	1. 85E-14	-0. 29958	0. 046	0. 143	2. 77E-10 M2	CTTNBP2
TRAP1. 3	1. 86E-14	-0. 19612	0. 132	0. 267	2. 77E-10 M2	TRAP1
LMAN2L. 2	1. 86E-14	-0. 17296	0. 028	0. 12	2. 79E-10 M2	LMAN2L
TMEM136. 3	1. 89E-14	-0. 1804	0. 013	0. 093	2. 83E-10 M2	TMEM136
GPR37. 2	1. 95E-14	-0. 32149	0. 004	0. 077	2. 92E-10 M2	GPR37
ZNF664. 3	1. 97E-14	-0. 1843	0. 051	0. 156	2. 95E-10 M2	ZNF664
LDLR. 2	2. 01E-14	-0. 19996	0. 019	0. 105	3. 00E-10 M2	LDLR
SOX15. 3	2. 03E-14	-0. 24425	0. 003	0. 075	3. 04E-10 M2	SOX15
TMEM67. 3	2. 07E-14	-0. 16602	0. 017	0. 101	3. 09E-10 M2	TMEM67
LRRCC1. 4	2. 07E-14	-0. 22345	0. 043	0. 142	3. 10E-10 M2	LRRCC1
ZBTB8A. 4	2. 15E-14	-0. 18572	0. 022	0. 109	3. 21E-10 M2	ZBTB8A
DHFR. 3	2. 15E-14	-0. 19849	0. 054	0. 158	3. 22E-10 M2	DHFR

REV3L. 2	2. 19E-14	-0. 20112	0. 095	0. 217	3. 28E-10 M2	REV3L
ZNF334. 2	2. 22E-14	-0. 16827	0. 004	0. 077	3. 31E-10 M2	ZNF334
KLHL6. 5	2. 22E-14	0. 177105	0. 109	0. 046	3. 31E-10 M2	KLHL6
PWAR6. 2	2. 23E-14	-0. 16691	0. 004	0. 077	3. 33E-10 M2	PWAR6
ARHGEF7. 3	2. 25E-14	-0. 237	0. 059	0. 165	3. 36E-10 M2	ARHGEF7
GSK3A. 4	2. 26E-14	-0. 14972	0. 08	0. 198	3. 38E-10 M2	GSK3A
SRGAP1. 4	2. 30E-14	-0. 19896	0. 107	0. 233	3. 43E-10 M2	SRGAP1
FN3KRP. 2	2. 36E-14	-0. 22928	0. 103	0. 229	3. 53E-10 M2	FN3KRP
AVIL. 3	2. 39E-14	-0. 26327	0. 014	0. 094	3. 57E-10 M2	AVIL
RBM15B. 4	2. 42E-14	-0. 13925	0. 066	0. 179	3. 61E-10 M2	RBM15B
KLF11. 3	2. 44E-14	0. 249837	0. 089	0. 036	3. 64E-10 M2	KLF11
MTRF1L. 3	2. 48E-14	-0. 18769	0. 082	0. 198	3. 70E-10 M2	MTRF1L
CYP2S1. 1	2. 49E-14	0. 119239	0. 049	0. 013	3. 72E-10 M2	CYP2S1
SDHAF1. 3	2. 52E-14	-0. 19861	0. 072	0. 184	3. 77E-10 M2	SDHAF1
SEMA6B. 1	2. 53E-14	0. 254408	0. 105	0. 045	3. 78E-10 M2	SEMA6B
HOXA2. 4	2. 54E-14	-0. 24143	0. 004	0. 077	3. 79E-10 M2	HOXA2
ME2. 3	2. 54E-14	0. 394343	0. 309	0. 218	3. 80E-10 M2	ME2
LRRC47. 4	2. 55E-14	-0. 19586	0. 1	0. 225	3. 82E-10 M2	LRRC47
KIAA1191. 2	2. 57E-14	-0. 19641	0. 135	0. 273	3. 84E-10 M2	KIAA1191
ENKUR. 3	2. 57E-14	-0. 22668	0. 004	0. 077	3. 84E-10 M2	ENKUR
GUK1. 2	2. 60E-14	0. 142605	0. 75	0. 7	3. 88E-10 M2	GUK1
TOR4A. 4	2. 61E-14	0. 169961	0. 066	0. 022	3. 90E-10 M2	TOR4A
DHRS11. 4	2. 63E-14	-0. 14609	0. 022	0. 108	3. 93E-10 M2	DHRS11
ZC3H8. 3	2. 67E-14	-0. 19981	0. 051	0. 154	3. 99E-10 M2	ZC3H8
SUPT20H. 3	2. 73E-14	-0. 17174	0. 093	0. 215	4. 08E-10 M2	SUPT20H
TMEM179B. 2	2. 81E-14	0. 276109	0. 487	0. 408	4. 19E-10 M2	TMEM179B
RBBP9. 3	2. 82E-14	-0. 15751	0. 017	0. 1	4. 21E-10 M2	RBBP9
POLR3D. 3	2. 91E-14	-0. 19727	0. 037	0. 132	4. 35E-10 M2	POLR3D
TMEM141. 3	2. 93E-14	0. 407264	0. 333	0. 247	4. 38E-10 M2	TMEM141
ANKRD54. 3	2. 95E-14	-0. 19328	0. 046	0. 146	4. 41E-10 M2	ANKRD54
YTHDF2. 3	2. 98E-14	-0. 22813	0. 275	0. 442	4. 45E-10 M2	YTHDF2
MAN1A2. 3	3. 02E-14	-0. 1729	0. 091	0. 212	4. 52E-10 M2	MAN1A2
CLEC4E. 4	3. 04E-14	0. 209354	0. 12	0. 053	4. 54E-10 M2	CLEC4E
COL16A1. 3	3. 08E-14	-0. 17746	0. 005	0. 079	4. 61E-10 M2	COL16A1
PACSIN3. 3	3. 10E-14	-0. 15309	0. 003	0. 074	4. 63E-10 M2	PACSIN3
C5orf42. 3	3. 12E-14	-0. 14401	0. 017	0. 099	4. 66E-10 M2	C5orf42
HSPA8. 3	3. 12E-14	-0. 23301	0. 814	0. 869	4. 66E-10 M2	HSPA8
SLC25A29. 3	3. 14E-14	-0. 17029	0. 055	0. 159	4. 69E-10 M2	SLC25A29
LMO3. 2	3. 15E-14	-0. 27811	0. 01	0. 088	4. 71E-10 M2	LMO3
NDUFA1. 2	3. 25E-14	0. 103173	0. 765	0. 721	4. 85E-10 M2	NDUFA1
BCAM. 3	3. 28E-14	-0. 15385	0. 026	0. 115	4. 90E-10 M2	BCAM
SLC12A2. 4	3. 34E-14	-0. 20336	0. 04	0. 136	4. 99E-10 M2	SLC12A2
THAP5. 3	3. 45E-14	-0. 20708	0. 074	0. 187	5. 15E-10 M2	THAP5
PDDC1. 4	3. 47E-14	-0. 12293	0. 049	0. 153	5. 18E-10 M2	PDDC1
FUZ. 2	3. 52E-14	-0. 196	0. 061	0. 168	5. 25E-10 M2	FUZ
ANKRD36C. 3	3. 52E-14	-0. 24521	0. 064	0. 169	5. 26E-10 M2	ANKRD36C
FARSB. 3	3. 52E-14	-0. 23244	0. 114	0. 241	5. 26E-10 M2	FARSB
TPM4. 3	3. 53E-14	0. 20482	0. 576	0. 491	5. 27E-10 M2	TPM4
TBC1D2. 3	3. 54E-14	0. 150419	0. 077	0. 028	5. 28E-10 M2	TBC1D2
CACFD1. 3	3. 54E-14	-0. 16576	0. 013	0. 092	5. 29E-10 M2	CACFD1
TRAM1. 5	3. 59E-14	0. 25635	0. 499	0. 429	5. 36E-10 M2	TRAM1

TMEFF2.5	3.63E-14	-0.26965	0.008	0.083	5.43E-10 M2	TMEFF2
TMEM209.3	3.68E-14	-0.18704	0.032	0.124	5.50E-10 M2	TMEM209
RP11-452F	3.71E-14	0.281176	0.209	0.121	5.54E-10 M2	RP11-452F19.3
H1FX.5	3.73E-14	-0.26255	0.244	0.395	5.58E-10 M2	H1FX
LY6H.4	3.75E-14	-0.33045	0.013	0.091	5.60E-10 M2	LY6H
B3GALT4.2	3.76E-14	0.165722	0.096	0.039	5.62E-10 M2	B3GALT4
LILRA2.5	3.78E-14	0.209958	0.157	0.079	5.64E-10 M2	LILRA2
NNAT.5	3.81E-14	-0.671	0.105	0.202	5.70E-10 M2	NNAT
ERAL1.2	3.83E-14	-0.16113	0.117	0.249	5.73E-10 M2	ERAL1
CHST3.3	3.84E-14	-0.1351	0	0.069	5.75E-10 M2	CHST3
KLHL20.1	3.85E-14	-0.18665	0.046	0.146	5.75E-10 M2	KLHL20
PSMB8.3	3.85E-14	0.240576	0.497	0.409	5.75E-10 M2	PSMB8
ZC3H6.3	3.86E-14	-0.23876	0.052	0.154	5.77E-10 M2	ZC3H6
LNX1.2	3.86E-14	-0.22324	0.003	0.073	5.77E-10 M2	LNX1
LONP2.3	3.87E-14	-0.17805	0.125	0.257	5.78E-10 M2	LONP2
ARL6IP6.1	3.89E-14	-0.23305	0.153	0.29	5.81E-10 M2	ARL6IP6
PPFIA3.3	3.90E-14	-0.147	0.014	0.095	5.82E-10 M2	PPFIA3
EEDP1.2	3.91E-14	0.248817	0.137	0.067	5.85E-10 M2	EEDP1
KCNH2.3	4.01E-14	-0.21799	0.001	0.071	5.99E-10 M2	KCNH2
ZNF639.4	4.02E-14	-0.1471	0.043	0.143	6.01E-10 M2	ZNF639
EPS15L1.1	4.02E-14	-0.17366	0.064	0.173	6.01E-10 M2	EPS15L1
PSMA1.4	4.04E-14	0.155679	0.65	0.608	6.03E-10 M2	PSMA1
C16orf91.4	4.04E-14	-0.21651	0.086	0.203	6.04E-10 M2	C16orf91
EXOC7.4	4.06E-14	-0.18172	0.206	0.362	6.06E-10 M2	EXOC7
ZBTB10.1	4.12E-14	-0.18062	0.014	0.095	6.16E-10 M2	ZBTB10
ARHGAP33.4	4.14E-14	-0.20095	0.01	0.087	6.19E-10 M2	ARHGAP33
C5orf30.3	4.15E-14	-0.19866	0.006	0.08	6.20E-10 M2	C5orf30
EN1.2	4.18E-14	-0.19405	0	0.068	6.24E-10 M2	EN1
PHLPP1.5	4.21E-14	-0.20866	0.011	0.09	6.29E-10 M2	PHLPP1
CNPY1.4	4.41E-14	-0.21472	0.008	0.082	6.59E-10 M2	CNPY1
LAMB1.2	4.41E-14	-0.15978	0.022	0.107	6.59E-10 M2	LAMB1
PTS.4	4.49E-14	-0.21658	0.185	0.336	6.71E-10 M2	PTS
TMPO.4	4.49E-14	-0.23739	0.086	0.201	6.71E-10 M2	TMPO
MATN2.2	4.50E-14	-0.19685	0.001	0.071	6.72E-10 M2	MATN2
DLC1.3	4.52E-14	-0.19515	0.013	0.092	6.75E-10 M2	DLC1
DMD.2	4.56E-14	-0.19206	0.011	0.09	6.81E-10 M2	DMD
EEA1.3	4.56E-14	-0.24092	0.128	0.253	6.82E-10 M2	EEA1
RFK.3	4.64E-14	-0.22383	0.12	0.246	6.93E-10 M2	RFK
TPST1.3	4.65E-14	-0.22536	0.119	0.248	6.95E-10 M2	TPST1
DNAJA3.2	4.66E-14	-0.19684	0.07	0.181	6.96E-10 M2	DNAJA3
PTGS2.5	4.66E-14	0.21556	0.124	0.057	6.96E-10 M2	PTGS2
SMKR1.2	4.77E-14	-0.19337	0.004	0.076	7.14E-10 M2	SMKR1
OXLD1.3	4.87E-14	-0.20536	0.13	0.261	7.28E-10 M2	OXLD1
METTL2A.3	4.90E-14	-0.15674	0.059	0.165	7.33E-10 M2	METTL2A
DAPK3.3	4.93E-14	-0.18426	0.119	0.247	7.37E-10 M2	DAPK3
ELMOD3.3	4.98E-14	-0.18438	0.043	0.142	7.45E-10 M2	ELMOD3
C17orf80.5	5.03E-14	-0.16792	0.011	0.089	7.52E-10 M2	C17orf80
CIB2.3	5.14E-14	-0.13611	0.008	0.083	7.68E-10 M2	CIB2
TMEM14C.3	5.15E-14	0.166925	0.635	0.588	7.70E-10 M2	TMEM14C
HOXA10.5	5.18E-14	-0.24681	0.008	0.082	7.74E-10 M2	HOXA10
UGP2.1	5.28E-14	0.24646	0.52	0.456	7.89E-10 M2	UGP2

PTX3. 4	5. 33E-14	-0. 22403	0. 031	0. 121	7. 96E-10 M2	PTX3
TCHH. 1	5. 37E-14	0. 123303	0. 054	0. 016	8. 03E-10 M2	TCHH
CHMP4A. 4	5. 38E-14	0. 240472	0. 531	0. 464	8. 04E-10 M2	CHMP4A
PLL. 4	5. 43E-14	-0. 35342	0. 003	0. 073	8. 12E-10 M2	PLL
SRSF12. 3	5. 51E-14	-0. 16943	0. 005	0. 078	8. 24E-10 M2	SRSF12
ADO. 4	5. 63E-14	-0. 1851	0. 038	0. 132	8. 41E-10 M2	ADO
PCYOX1. 2	5. 66E-14	-0. 17117	0. 075	0. 188	8. 46E-10 M2	PCYOX1
TSEN2. 4	5. 68E-14	-0. 19404	0. 014	0. 094	8. 48E-10 M2	TSEN2
CENPF. 5	5. 82E-14	-0. 33929	0. 023	0. 107	8. 69E-10 M2	CENPF
CAND1. 2	5. 86E-14	-0. 21285	0. 116	0. 243	8. 76E-10 M2	CAND1
EXTL3. 3	5. 91E-14	-0. 15943	0. 041	0. 138	8. 83E-10 M2	EXTL3
PRR14. 2	5. 93E-14	-0. 19373	0. 091	0. 208	8. 87E-10 M2	PRR14
CLASP1. 4	5. 98E-14	-0. 15081	0. 045	0. 144	8. 93E-10 M2	CLASP1
THAP11. 4	6. 17E-14	-0. 15783	0. 073	0. 183	9. 22E-10 M2	THAP11
YTHDF1. 2	6. 22E-14	-0. 13247	0. 075	0. 19	9. 30E-10 M2	YTHDF1
RP3-428L1	6. 23E-14	-0. 17302	0. 004	0. 075	9. 31E-10 M2	RP3-428L16. 2
RGN. 4	6. 29E-14	-0. 23872	0. 005	0. 077	9. 39E-10 M2	RGN
FGD4. 5	6. 31E-14	0. 279588	0. 235	0. 14	9. 42E-10 M2	FGD4
DIRAS2. 3	6. 31E-14	-0. 17723	0	0. 067	9. 43E-10 M2	DIRAS2
HCG18. 2	6. 31E-14	-0. 17952	0. 029	0. 119	9. 43E-10 M2	HCG18
ASXL1. 4	6. 32E-14	-0. 15836	0. 073	0. 184	9. 44E-10 M2	ASXL1
ADAMTS6. 2	6. 34E-14	-0. 14921	0. 001	0. 07	9. 48E-10 M2	ADAMTS6
SRSF10. 4	6. 42E-14	-0. 21151	0. 119	0. 249	9. 60E-10 M2	SRSF10
TULP4. 4	6. 53E-14	-0. 20501	0. 05	0. 149	9. 75E-10 M2	TULP4
AC007405. 6	6. 63E-14	-0. 1501	0. 003	0. 072	9. 91E-10 M2	AC007405. 6
ATP1B1. 3	6. 68E-14	-0. 39904	0. 128	0. 242	9. 98E-10 M2	ATP1B1
ABCA2. 5	6. 68E-14	-0. 32149	0. 019	0. 101	9. 99E-10 M2	ABCA2
FAM212B. 4	6. 75E-14	-0. 16373	0. 02	0. 105	1. 01E-09 M2	FAM212B
ABHD17B. 5	6. 78E-14	-0. 19039	0. 037	0. 131	1. 01E-09 M2	ABHD17B
LLGL1. 4	6. 82E-14	-0. 19286	0. 022	0. 106	1. 02E-09 M2	LLGL1
IKBKE. 4	6. 85E-14	0. 234615	0. 115	0. 052	1. 02E-09 M2	IKBKE
FAM127B. 4	6. 97E-14	-0. 26348	0. 171	0. 309	1. 04E-09 M2	FAM127B
IER2. 4	6. 99E-14	-0. 26529	0. 508	0. 623	1. 04E-09 M2	IER2
ARPC1A. 5	7. 06E-14	-0. 25214	0. 4	0. 569	1. 06E-09 M2	ARPC1A
GKAP1. 4	7. 09E-14	-0. 19091	0. 015	0. 095	1. 06E-09 M2	GKAP1
C19orf48. 7	7. 14E-14	-0. 22121	0. 11	0. 236	1. 07E-09 M2	C19orf48
PRKRA. 2	7. 29E-14	-0. 20616	0. 216	0. 371	1. 09E-09 M2	PRKRA
COBL. 3	7. 39E-14	-0. 20516	0. 003	0. 072	1. 10E-09 M2	COBL
RP11-403I	7. 45E-14	0. 231743	0. 08	0. 031	1. 11E-09 M2	RP11-403I13. 5
POP5. 2	7. 53E-14	-0. 21827	0. 162	0. 305	1. 12E-09 M2	POP5
C16orf52. 7	7. 70E-14	-0. 17238	0. 019	0. 101	1. 15E-09 M2	C16orf52
ACP2. 3	7. 71E-14	0. 360637	0. 322	0. 238	1. 15E-09 M2	ACP2
GRK4. 3	7. 73E-14	-0. 20457	0. 02	0. 103	1. 16E-09 M2	GRK4
AES. 4	7. 75E-14	-0. 22236	0. 264	0. 421	1. 16E-09 M2	AES
DLEU7. 4	7. 78E-14	0. 186001	0. 106	0. 046	1. 16E-09 M2	DLEU7
SETBP1. 3	7. 89E-14	-0. 18016	0. 006	0. 079	1. 18E-09 M2	SETBP1
CHST8. 4	7. 97E-14	-0. 14899	0. 003	0. 072	1. 19E-09 M2	CHST8
VPS72. 3	8. 02E-14	-0. 16226	0. 144	0. 285	1. 20E-09 M2	VPS72
SP140. 4	8. 09E-14	0. 177666	0. 075	0. 028	1. 21E-09 M2	SP140
DYNC1H1. 4	8. 12E-14	-0. 19091	0. 198	0. 348	1. 21E-09 M2	DYNC1H1
FASN. 5	8. 22E-14	-0. 15201	0. 032	0. 122	1. 23E-09 M2	FASN

SLC35B2.4	8.28E-14	-0.186	0.169	0.31	1.24E-09	M2	SLC35B2
INADL.4	8.29E-14	-0.22254	0.003	0.072	1.24E-09	M2	INADL
COMMD2.3	8.33E-14	-0.19777	0.157	0.298	1.25E-09	M2	COMMD2
TOX3.4	8.40E-14	-0.24876	0.003	0.072	1.26E-09	M2	TOX3
COL22A1.1	8.41E-14	-0.14117	0.005	0.077	1.26E-09	M2	COL22A1
GRAMD3.5	8.42E-14	-0.24726	0.049	0.147	1.26E-09	M2	GRAMD3
HRH1.4	8.47E-14	-0.19841	0.019	0.102	1.27E-09	M2	HRH1
BLCAP.2	8.53E-14	-0.25999	0.165	0.299	1.28E-09	M2	BLCAP
CSRNP1.5	8.80E-14	0.306597	0.281	0.184	1.31E-09	M2	CSRNP1
ST3GAL4.3	8.85E-14	-0.18146	0.036	0.129	1.32E-09	M2	ST3GAL4
EXOSC8.4	8.87E-14	-0.22158	0.158	0.298	1.33E-09	M2	EXOSC8
VAMP3.3	8.92E-14	0.29317	0.424	0.343	1.33E-09	M2	VAMP3
STK25.5	8.97E-14	-0.17337	0.166	0.312	1.34E-09	M2	STK25
AKAP1.1	9.03E-14	-0.17228	0.036	0.128	1.35E-09	M2	AKAP1
SRRD.4	9.17E-14	-0.14477	0.032	0.122	1.37E-09	M2	SRRD
TMC8.3	9.21E-14	0.153621	0.095	0.039	1.38E-09	M2	TMC8
ORMDL3.3	9.44E-14	-0.21589	0.04	0.133	1.41E-09	M2	ORMDL3
SESN3.2	9.48E-14	-0.18965	0.055	0.157	1.42E-09	M2	SESN3
SYTL2.3	9.48E-14	-0.2813	0.008	0.081	1.42E-09	M2	SYTL2
DNAJC18.2	9.66E-14	-0.17052	0.036	0.129	1.44E-09	M2	DNAJC18
RNF19A.5	9.79E-14	-0.22718	0.095	0.21	1.46E-09	M2	RNF19A
LUC7L.3	9.80E-14	-0.16244	0.121	0.254	1.46E-09	M2	LUC7L
PM20D2.3	9.86E-14	-0.17069	0.013	0.09	1.47E-09	M2	PM20D2
SAFB2.2	9.89E-14	-0.19751	0.193	0.341	1.48E-09	M2	SAFB2
NKX2-5.3	1.00E-13	-0.23347	0.001	0.069	1.50E-09	M2	NKX2-5
WASF3.3	1.01E-13	-0.18721	0.008	0.081	1.50E-09	M2	WASF3
TMED3.3	1.01E-13	0.362951	0.382	0.303	1.50E-09	M2	TMED3
C12orf29.1	1.01E-13	-0.19156	0.057	0.16	1.51E-09	M2	C12orf29
CWF19L2.1	1.02E-13	-0.25499	0.072	0.179	1.52E-09	M2	CWF19L2
PJA2.4	1.02E-13	-0.23418	0.204	0.344	1.52E-09	M2	PJA2
RPP25	1.03E-13	0.14806	0.072	0.026	1.53E-09	M2	RPP25
ZCCHC11.2	1.03E-13	-0.17707	0.119	0.247	1.54E-09	M2	ZCCHC11
SF3A2.3	1.04E-13	-0.17505	0.133	0.268	1.55E-09	M2	SF3A2
TRPM3.4	1.05E-13	-0.16288	0.004	0.074	1.57E-09	M2	TRPM3
DBX2.4	1.05E-13	-0.14105	0.001	0.069	1.57E-09	M2	DBX2
SOX21-AS1	1.06E-13	-0.1369	0.001	0.069	1.59E-09	M2	SOX21-AS1
IFT88.3	1.07E-13	-0.16536	0.027	0.114	1.60E-09	M2	IFT88
GNG12.3	1.07E-13	-0.12885	0.046	0.144	1.60E-09	M2	GNG12
ARMCX2.4	1.09E-13	-0.25331	0.054	0.153	1.63E-09	M2	ARMCX2
AP2A2.4	1.10E-13	0.373757	0.33	0.246	1.64E-09	M2	AP2A2
PLXNB1.4	1.13E-13	-0.21677	0.008	0.08	1.69E-09	M2	PLXNB1
ENO2.5	1.13E-13	-0.18301	0.151	0.294	1.69E-09	M2	ENO2
RAD1.1	1.14E-13	-0.20273	0.075	0.185	1.71E-09	M2	RAD1
CUL1.1	1.17E-13	-0.18767	0.117	0.243	1.75E-09	M2	CUL1
USP10.2	1.17E-13	-0.19058	0.124	0.251	1.75E-09	M2	USP10
KCTD13.4	1.21E-13	-0.17059	0.047	0.145	1.81E-09	M2	KCTD13
RP11-802E	1.21E-13	0.122139	0.046	0.013	1.81E-09	M2	RP11-802E16.3
ZRANB2.1	1.21E-13	-0.21565	0.189	0.339	1.81E-09	M2	ZRANB2
FAM134A.5	1.23E-13	-0.18575	0.169	0.307	1.83E-09	M2	FAM134A
SPHK1.4	1.25E-13	0.317103	0.179	0.101	1.87E-09	M2	SPHK1
FAM184B.1	1.25E-13	-0.17114	0.027	0.114	1.87E-09	M2	FAM184B



CYTH2.4	1.31E-13	-0.22795	0.204	0.351	1.96E-09	M2	CYTH2
PON2.5	1.31E-13	-0.33609	0.317	0.46	1.96E-09	M2	PON2
TMEM131.4	1.32E-13	-0.15351	0.052	0.153	1.97E-09	M2	TMEM131
CHCHD6.3	1.33E-13	-0.19307	0.116	0.244	1.99E-09	M2	CHCHD6
AMZ2.1	1.34E-13	-0.22113	0.231	0.391	2.00E-09	M2	AMZ2
TNRC6A.1	1.36E-13	-0.20669	0.102	0.223	2.03E-09	M2	TNRC6A
CBR4.5	1.39E-13	-0.21387	0.083	0.196	2.08E-09	M2	CBR4
PCDHB7.3	1.40E-13	-0.19141	0.005	0.076	2.09E-09	M2	PCDHB7
KANK2.2	1.41E-13	-0.151	0.017	0.096	2.10E-09	M2	KANK2
LEO1.2	1.42E-13	-0.17523	0.051	0.15	2.12E-09	M2	LEO1
HS6ST1	1.42E-13	-0.17866	0.028	0.114	2.13E-09	M2	HS6ST1
C8orf33.2	1.44E-13	-0.1588	0.179	0.328	2.15E-09	M2	C8orf33
PKIB.3	1.47E-13	0.37152	0.364	0.278	2.19E-09	M2	PKIB
LINC01102	1.48E-13	-0.24848	0.005	0.075	2.22E-09	M2	LINC01102
DIXDC1.4	1.49E-13	-0.17988	0.019	0.1	2.23E-09	M2	DIXDC1
SMC2.3	1.52E-13	-0.23321	0.093	0.207	2.27E-09	M2	SMC2
ECE1.3	1.53E-13	-0.17751	0.01	0.085	2.29E-09	M2	ECE1
SF3B3.2	1.53E-13	-0.16961	0.083	0.197	2.29E-09	M2	SF3B3
AKR1C3.1	1.53E-13	0.150568	0.049	0.014	2.29E-09	M2	AKR1C3
TCEAL1.4	1.55E-13	-0.23652	0.134	0.264	2.32E-09	M2	TCEAL1
GLDC.3	1.56E-13	-0.15661	0.004	0.073	2.33E-09	M2	GLDC
SRSF1.1	1.58E-13	-0.21784	0.249	0.408	2.36E-09	M2	SRSF1
RP11-1114	1.63E-13	-0.17491	0.013	0.089	2.43E-09	M2	RP11-1114A5.4
NDUF5.2	1.64E-13	-0.18188	0.045	0.14	2.45E-09	M2	NDUF5
RBBP4.2	1.64E-13	-0.17405	0.276	0.442	2.45E-09	M2	RBBP4
MDM4.2	1.66E-13	-0.17842	0.125	0.255	2.48E-09	M2	MDM4
LRPPRC.3	1.67E-13	-0.17988	0.068	0.175	2.50E-09	M2	LRPPRC
DCHS1.4	1.67E-13	-0.13841	0.013	0.089	2.50E-09	M2	DCHS1
CISD2.2	1.67E-13	0.306358	0.466	0.4	2.50E-09	M2	CISD2
C1orf216.	1.70E-13	-0.16485	0.041	0.134	2.53E-09	M2	C1orf216
CHST7.3	1.70E-13	-0.13824	0.028	0.115	2.55E-09	M2	CHST7
GUSB.4	1.71E-13	0.320716	0.359	0.266	2.55E-09	M2	GUSB
RP11-192H	1.71E-13	-0.16895	0.032	0.12	2.56E-09	M2	RP11-192H23.6
DCAF16.2	1.74E-13	-0.15455	0.034	0.125	2.59E-09	M2	DCAF16
RORA.2	1.74E-13	-0.22194	0.008	0.08	2.60E-09	M2	RORA
ZNF48.3	1.76E-13	-0.15267	0.02	0.102	2.64E-09	M2	ZNF48
PLA2G16.4	1.78E-13	-0.33892	0.259	0.414	2.66E-09	M2	PLA2G16
PDCL3.3	1.78E-13	0.363723	0.368	0.288	2.66E-09	M2	PDCL3
NEK1.2	1.78E-13	-0.15963	0.04	0.133	2.67E-09	M2	NEK1
CEP95.2	1.80E-13	-0.18465	0.038	0.13	2.69E-09	M2	CEP95
CCT6A.2	1.84E-13	-0.22795	0.421	0.585	2.75E-09	M2	CCT6A
SATB2.2	1.84E-13	-0.13698	0.006	0.077	2.75E-09	M2	SATB2
FREM2.4	1.85E-13	-0.12529	0.004	0.072	2.76E-09	M2	FREM2
SLC37A2.2	1.86E-13	0.152011	0.056	0.018	2.77E-09	M2	SLC37A2
UQCC1.3	1.88E-13	-0.15493	0.065	0.172	2.82E-09	M2	UQCC1
SH3KBP1.5	1.90E-13	0.268476	0.332	0.235	2.84E-09	M2	SH3KBP1
ARHGFE25.	1.90E-13	-0.19651	0.003	0.07	2.85E-09	M2	ARHGFE25
SMAD9.3	1.92E-13	-0.18852	0.005	0.075	2.86E-09	M2	SMAD9
RIT2.4	1.93E-13	-0.31506	0.009	0.081	2.88E-09	M2	RIT2
MDGA1.3	1.93E-13	-0.12519	0.005	0.075	2.88E-09	M2	MDGA1
GOT2.3	1.94E-13	-0.17751	0.089	0.205	2.89E-09	M2	GOT2

FUBP3. 3	1. 95E-13	-0. 18568	0. 121	0. 248	2. 92E-09 M2	FUBP3
SCO2. 5	1. 96E-13	0. 368832	0. 292	0. 205	2. 93E-09 M2	SCO2
FBXO44. 3	1. 98E-13	-0. 17182	0. 05	0. 148	2. 96E-09 M2	FBXO44
GNPDA2. 2	1. 98E-13	-0. 17055	0. 038	0. 131	2. 96E-09 M2	GNPDA2
RNF165. 4	1. 99E-13	-0. 1861	0. 004	0. 072	2. 97E-09 M2	RNF165
ZNF250. 2	2. 06E-13	-0. 20697	0. 011	0. 086	3. 08E-09 M2	ZNF250
IMMP2L. 3	2. 08E-13	-0. 2375	0. 052	0. 151	3. 10E-09 M2	IMMP2L
NARFL. 1	2. 08E-13	-0. 17725	0. 052	0. 152	3. 10E-09 M2	NARFL
DBNDD1. 3	2. 08E-13	-0. 13761	0. 004	0. 072	3. 11E-09 M2	DBNDD1
E2F5. 2	2. 09E-13	-0. 1224	0. 003	0. 07	3. 12E-09 M2	E2F5
PKD1. 3	2. 09E-13	-0. 19356	0. 034	0. 124	3. 13E-09 M2	PKD1
SLC36A1	2. 15E-13	0. 174376	0. 073	0. 027	3. 21E-09 M2	SLC36A1
IRF5. 5	2. 16E-13	0. 171272	0. 119	0. 054	3. 23E-09 M2	IRF5
PCDH10. 3	2. 18E-13	-0. 14961	0. 004	0. 072	3. 25E-09 M2	PCDH10
TTYH2. 4	2. 19E-13	-0. 2394	0. 033	0. 121	3. 27E-09 M2	TTYH2
SYDE1. 2	2. 22E-13	-0. 12692	0. 005	0. 075	3. 31E-09 M2	SYDE1
TSPYL1. 3	2. 23E-13	-0. 21479	0. 123	0. 246	3. 34E-09 M2	TSPYL1
NDUFS1. 3	2. 24E-13	-0. 19531	0. 134	0. 264	3. 34E-09 M2	NDUFS1
DYNC2LI1. 2	2. 24E-13	-0. 1846	0. 066	0. 171	3. 34E-09 M2	DYNC2LI1
B3GALT6. 4	2. 28E-13	-0. 12035	0. 047	0. 145	3. 41E-09 M2	B3GALT6
ALDH3B1. 3	2. 29E-13	0. 231198	0. 135	0. 067	3. 42E-09 M2	ALDH3B1
HMBOX1. 4	2. 31E-13	-0. 21472	0. 088	0. 2	3. 45E-09 M2	HMBOX1
EXOC1. 2	2. 34E-13	-0. 21745	0. 132	0. 258	3. 49E-09 M2	EXOC1
PDHX. 3	2. 35E-13	-0. 22654	0. 073	0. 178	3. 50E-09 M2	PDHX
KIF3B. 5	2. 37E-13	-0. 11821	0. 042	0. 136	3. 54E-09 M2	KIF3B
MSANTD3. 3	2. 37E-13	-0. 16764	0. 015	0. 092	3. 54E-09 M2	MSANTD3
HNRNPAB. 4	2. 40E-13	-0. 21286	0. 253	0. 407	3. 59E-09 M2	HNRNPAB
CAHM. 4	2. 41E-13	-0. 19495	0. 018	0. 097	3. 60E-09 M2	CAHM
C11orf57. 2	2. 44E-13	-0. 1462	0. 059	0. 161	3. 65E-09 M2	C11orf57
HRK. 3	2. 44E-13	-0. 20377	0. 001	0. 067	3. 65E-09 M2	HRK
PLA2G15. 4	2. 50E-13	0. 312239	0. 218	0. 133	3. 74E-09 M2	PLA2G15
CDK2AP1. 2	2. 52E-13	-0. 16313	0. 026	0. 109	3. 76E-09 M2	CDK2AP1
ZNF90. 4	2. 54E-13	0. 278046	0. 465	0. 374	3. 80E-09 M2	ZNF90
ZNF117. 3	2. 56E-13	-0. 20047	0. 027	0. 111	3. 82E-09 M2	ZNF117
IGDCC3. 5	2. 56E-13	-0. 14486	0. 001	0. 067	3. 83E-09 M2	IGDCC3
MTHFD2L. 3	2. 58E-13	-0. 17523	0. 096	0. 214	3. 85E-09 M2	MTHFD2L
VNN2. 3	2. 58E-13	0. 10251	0. 065	0. 022	3. 86E-09 M2	VNN2
CTU2. 2	2. 63E-13	-0. 18164	0. 045	0. 139	3. 92E-09 M2	CTU2
AFAP1. 3	2. 66E-13	-0. 15953	0. 014	0. 09	3. 97E-09 M2	AFAP1
MAPK12. 3	2. 67E-13	-0. 11729	0. 005	0. 074	3. 99E-09 M2	MAPK12
LRRC16A. 1	2. 72E-13	-0. 14958	0. 008	0. 079	4. 06E-09 M2	LRRC16A
ASPSCR1. 2	2. 77E-13	-0. 20032	0. 121	0. 245	4. 14E-09 M2	ASPSCR1
SCN3A. 4	2. 78E-13	-0. 20602	0. 006	0. 076	4. 15E-09 M2	SCN3A
OGFOD1. 2	2. 81E-13	-0. 1565	0. 056	0. 157	4. 20E-09 M2	OGFOD1
RP11-277F	2. 81E-13	-0. 21197	0. 004	0. 072	4. 20E-09 M2	RP11-277P12. 20
ZNF181. 3	2. 83E-13	-0. 18813	0. 022	0. 102	4. 23E-09 M2	ZNF181
RNASE3. 3	2. 88E-13	0. 262011	0. 078	0. 03	4. 31E-09 M2	RNASE3
FAM131A. 1	2. 89E-13	-0. 19019	0. 041	0. 132	4. 31E-09 M2	FAM131A
AP3S1. 2	2. 93E-13	0. 276951	0. 487	0. 422	4. 37E-09 M2	AP3S1
MARK1. 2	2. 94E-13	-0. 12943	0. 004	0. 072	4. 40E-09 M2	MARK1
COL5A2. 3	2. 96E-13	-0. 12222	0. 001	0. 067	4. 42E-09 M2	COL5A2

ZFPL1.2	2.97E-13	-0.1948	0.119	0.243	4.44E-09 M2	ZFPL1
ZNF775.4	3.01E-13	-0.17903	0.02	0.1	4.49E-09 M2	ZNF775
NRSN1.3	3.01E-13	-0.17943	0	0.064	4.49E-09 M2	NRSN1
C5orf56.4	3.01E-13	-0.21076	0.031	0.117	4.50E-09 M2	C5orf56
PMEPA1.5	3.02E-13	-0.23352	0.097	0.208	4.52E-09 M2	PMEPA1
PEX10.3	3.03E-13	-0.14944	0.087	0.2	4.53E-09 M2	PEX10
SNTB2.2	3.05E-13	-0.17083	0.02	0.1	4.56E-09 M2	SNTB2
NSD1.3	3.07E-13	-0.21323	0.119	0.241	4.59E-09 M2	NSD1
CTHRC1.4	3.08E-13	-0.13269	0.003	0.069	4.60E-09 M2	CTHRC1
TMEM99.4	3.08E-13	-0.16187	0.041	0.134	4.60E-09 M2	TMEM99
TMEM37.2	3.09E-13	0.125746	0.124	0.058	4.61E-09 M2	TMEM37
PMS2.4	3.09E-13	-0.15251	0.041	0.134	4.61E-09 M2	PMS2
B3GALNT1.3	3.09E-13	-0.16458	0.08	0.191	4.61E-09 M2	B3GALNT1
FLNB.1	3.10E-13	0.293911	0.103	0.047	4.64E-09 M2	FLNB
ACIN1.3	3.11E-13	-0.19044	0.14	0.274	4.65E-09 M2	ACIN1
CCDC102B.3	3.15E-13	-0.15276	0.024	0.106	4.70E-09 M2	CCDC102B
UBXN1.5	3.15E-13	0.170955	0.659	0.618	4.71E-09 M2	UBXN1
VGFB.3	3.18E-13	-0.2341	0.005	0.074	4.75E-09 M2	VGFB
PHF23.3	3.18E-13	-0.18108	0.097	0.215	4.76E-09 M2	PHF23
RABEPK.4	3.19E-13	-0.19521	0.092	0.207	4.77E-09 M2	RABEPK
NDUFA2.3	3.27E-13	0.160613	0.649	0.6	4.89E-09 M2	NDUFA2
HARS.1	3.29E-13	-0.19176	0.155	0.29	4.91E-09 M2	HARS
RCBTB2.4	3.29E-13	0.319081	0.222	0.136	4.92E-09 M2	RCBTB2
POLR3F.3	3.33E-13	-0.14589	0.047	0.143	4.98E-09 M2	POLR3F
IGF2BP2.3	3.35E-13	-0.15717	0.011	0.085	5.01E-09 M2	IGF2BP2
FMNL2.4	3.42E-13	-0.23733	0.146	0.274	5.12E-09 M2	FMNL2
CREB3L1.2	3.44E-13	-0.126	0.001	0.066	5.14E-09 M2	CREB3L1
RP11-563K.3	3.54E-13	-0.17368	0.003	0.069	5.30E-09 M2	RP11-563K23.1
PPP2R5E.4	3.60E-13	-0.15992	0.129	0.255	5.39E-09 M2	PPP2R5E
TBPL1.1	3.66E-13	-0.17764	0.105	0.225	5.46E-09 M2	TBPL1
TF.5	3.67E-13	-0.46001	0.008	0.077	5.48E-09 M2	TF
USP5.1	3.68E-13	-0.18977	0.112	0.232	5.49E-09 M2	USP5
PARD3.3	3.69E-13	-0.11818	0	0.064	5.52E-09 M2	PARD3
DDX5.3	3.69E-13	-0.19185	0.771	0.82	5.52E-09 M2	DDX5
NIM1K.4	3.72E-13	-0.19273	0.003	0.068	5.55E-09 M2	NIM1K
ACO04540.3	3.77E-13	-0.22543	0.011	0.084	5.64E-09 M2	ACO04540.5
ALOX15B.4	3.78E-13	0.147431	0.066	0.023	5.65E-09 M2	ALOX15B
HTATSF1.2	3.79E-13	-0.19603	0.149	0.283	5.67E-09 M2	HTATSF1
CNR1.3	3.80E-13	-0.13754	0.008	0.078	5.68E-09 M2	CNR1
MED9.2	3.81E-13	-0.17015	0.019	0.098	5.69E-09 M2	MED9
SLC7A5.5	3.82E-13	0.287589	0.22	0.133	5.71E-09 M2	SLC7A5
FBLIM1.1	3.92E-13	-0.17136	0.017	0.094	5.86E-09 M2	FBLIM1
DOLK.3	3.95E-13	-0.18634	0.041	0.132	5.90E-09 M2	DOLK
HEY2.1	4.01E-13	-0.14005	0.003	0.068	5.99E-09 M2	HEY2
PLEKHH2.2	4.02E-13	-0.14901	0.005	0.073	6.01E-09 M2	PLEKHH2
SRSF4.3	4.04E-13	-0.18931	0.22	0.37	6.04E-09 M2	SRSF4
PPP2R5B.4	4.10E-13	-0.17178	0.069	0.173	6.12E-09 M2	PPP2R5B
WIPI2.3	4.10E-13	-0.21286	0.255	0.408	6.13E-09 M2	WIPI2
XXbac-B13.4	4.11E-13	0.101626	0.054	0.017	6.15E-09 M2	XXbac-B135H6.15
FBXW7.3	4.20E-13	-0.16527	0.042	0.134	6.27E-09 M2	FBXW7
ZNF532.3	4.27E-13	-0.14015	0.019	0.098	6.38E-09 M2	ZNF532

CSF1. 3	4. 27E-13	-0. 16723	0. 02	0. 1	6. 39E-09 M2	CSF1
FAT1. 3	4. 32E-13	-0. 12781	0. 004	0. 071	6. 46E-09 M2	FAT1
KDM5B. 4	4. 34E-13	-0. 15905	0. 065	0. 169	6. 48E-09 M2	KDM5B
RNF11. 4	4. 35E-13	-0. 18152	0. 176	0. 317	6. 50E-09 M2	RNF11
COG4. 3	4. 35E-13	-0. 17876	0. 087	0. 198	6. 51E-09 M2	COG4
HPS4. 3	4. 36E-13	-0. 12802	0. 079	0. 19	6. 52E-09 M2	HPS4
AKT1S1. 3	4. 49E-13	-0. 14276	0. 121	0. 248	6. 70E-09 M2	AKT1S1
PABPN1. 3	4. 51E-13	-0. 17082	0. 212	0. 365	6. 73E-09 M2	PABPN1
SETD4. 3	4. 54E-13	-0. 19946	0. 041	0. 132	6. 78E-09 M2	SETD4
CARD9. 5	4. 57E-13	0. 199398	0. 132	0. 064	6. 83E-09 M2	CARD9
PTBP3. 3	4. 58E-13	0. 285651	0. 183	0. 106	6. 85E-09 M2	PTBP3
PTK2B. 3	4. 62E-13	0. 409334	0. 199	0. 122	6. 91E-09 M2	PTK2B
SETD6. 3	4. 62E-13	-0. 16544	0. 018	0. 096	6. 91E-09 M2	SETD6
BPNT1. 2	4. 67E-13	-0. 18543	0. 028	0. 112	6. 99E-09 M2	BPNT1
NEO1. 3	4. 73E-13	-0. 18283	0. 008	0. 077	7. 06E-09 M2	NEO1
RP11-505K	4. 82E-13	-0. 11933	0. 011	0. 085	7. 20E-09 M2	RP11-505K9. 1
PTER. 1	4. 86E-13	0. 141265	0. 056	0. 018	7. 26E-09 M2	PTER
ARHGAP35. 4	4. 90E-13	-0. 15834	0. 055	0. 153	7. 32E-09 M2	ARHGAP35
GPSM1. 4	4. 93E-13	-0. 17023	0. 008	0. 077	7. 37E-09 M2	GPSM1
PAQR6. 3	5. 03E-13	-0. 24009	0. 008	0. 077	7. 51E-09 M2	PAQR6
KLHDC10. 3	5. 06E-13	-0. 1332	0. 043	0. 136	7. 56E-09 M2	KLHDC10
VANGL2. 3	5. 08E-13	-0. 16272	0. 008	0. 077	7. 59E-09 M2	VANGL2
PVRL1. 4	5. 12E-13	-0. 19278	0. 001	0. 065	7. 65E-09 M2	PVRL1
FAM213A. 3	5. 14E-13	-0. 23046	0. 24	0. 393	7. 68E-09 M2	FAM213A
MARS. 1	5. 24E-13	-0. 19267	0. 098	0. 214	7. 83E-09 M2	MARS
CIZ1. 2	5. 26E-13	-0. 15549	0. 078	0. 187	7. 86E-09 M2	CIZ1
RBM10. 2	5. 28E-13	-0. 12345	0. 093	0. 21	7. 88E-09 M2	RBM10
JOSD2. 3	5. 28E-13	0. 323869	0. 405	0. 33	7. 90E-09 M2	JOSD2
PPP1CB. 2	5. 29E-13	-0. 28754	0. 387	0. 514	7. 90E-09 M2	PPP1CB
ADCK3. 1	5. 35E-13	-0. 21554	0. 043	0. 134	7. 99E-09 M2	ADCK3
RFC3. 3	5. 39E-13	-0. 19025	0. 017	0. 093	8. 06E-09 M2	RFC3
SPAST. 3	5. 44E-13	-0. 16849	0. 032	0. 118	8. 13E-09 M2	SPAST
PRMT6. 2	5. 47E-13	-0. 16553	0. 019	0. 097	8. 18E-09 M2	PRMT6
CNPY4. 4	5. 51E-13	-0. 17895	0. 032	0. 118	8. 23E-09 M2	CNPY4
RAB8B. 4	5. 52E-13	0. 358184	0. 23	0. 149	8. 26E-09 M2	RAB8B
AGO3. 1	5. 55E-13	-0. 17392	0. 088	0. 2	8. 30E-09 M2	AGO3
DHRS7. 5	5. 59E-13	0. 143639	0. 628	0. 551	8. 36E-09 M2	DHRS7
PLEKHH3. 2	5. 62E-13	-0. 14292	0. 014	0. 089	8. 39E-09 M2	PLEKHH3
SNRNP70. 3	5. 66E-13	-0. 20976	0. 324	0. 486	8. 45E-09 M2	SNRNP70
SPTAN1. 3	5. 70E-13	-0. 12912	0. 138	0. 269	8. 52E-09 M2	SPTAN1
KIF3C. 5	5. 72E-13	-0. 14899	0. 026	0. 108	8. 55E-09 M2	KIF3C
GS1-124K5	5. 77E-13	-0. 19389	0. 033	0. 12	8. 63E-09 M2	GS1-124K5. 4
KDELRL1. 1	5. 86E-13	0. 22713	0. 545	0. 489	8. 75E-09 M2	KDELRL1
FAM118B. 3	5. 93E-13	-0. 15016	0. 055	0. 153	8. 86E-09 M2	FAM118B
LRRC1. 3	5. 95E-13	-0. 19264	0. 006	0. 075	8. 89E-09 M2	LRRC1
SESN2. 3	5. 96E-13	0. 322617	0. 175	0. 099	8. 90E-09 M2	SESN2
LYRM5. 3	5. 96E-13	-0. 22422	0. 207	0. 35	8. 91E-09 M2	LYRM5
HNRNPH3. 4	6. 00E-13	-0. 2023	0. 291	0. 456	8. 97E-09 M2	HNRNPH3
GATAD2B. 3	6. 02E-13	-0. 16439	0. 065	0. 167	9. 00E-09 M2	GATAD2B
FAM69B. 3	6. 03E-13	-0. 11942	0	0. 062	9. 01E-09 M2	FAM69B
MTSS1. 4	6. 03E-13	0. 323321	0. 301	0. 207	9. 02E-09 M2	MTSS1

ILKAP. 3	6. 07E-13	-0. 18462	0. 116	0. 237	9. 07E-09 M2	ILKAP
CPNE2. 5	6. 07E-13	-0. 19466	0. 078	0. 184	9. 08E-09 M2	CPNE2
DOLPP1. 3	6. 09E-13	-0. 19936	0. 026	0. 107	9. 10E-09 M2	DOLPP1
RP11-108M	6. 14E-13	0. 305051	0. 174	0. 097	9. 17E-09 M2	RP11-108M9. 4
SNN. 5	6. 15E-13	-0. 23692	0. 117	0. 233	9. 19E-09 M2	SNN
LTB4R. 4	6. 17E-13	0. 178784	0. 078	0. 03	9. 22E-09 M2	LTB4R
TPR. 2	6. 19E-13	-0. 19781	0. 258	0. 415	9. 25E-09 M2	TPR
PHF11. 4	6. 24E-13	0. 28518	0. 22	0. 136	9. 33E-09 M2	PHF11
QSER1. 4	6. 32E-13	-0. 14605	0. 036	0. 124	9. 44E-09 M2	QSER1
NOL4. 3	6. 33E-13	-0. 18007	0. 004	0. 07	9. 47E-09 M2	NOL4
C7orf26. 4	6. 44E-13	-0. 20682	0. 065	0. 164	9. 62E-09 M2	C7orf26
SRRM3. 4	6. 46E-13	-0. 23998	0. 008	0. 077	9. 65E-09 M2	SRRM3
CTCF. 3	6. 47E-13	-0. 16384	0. 068	0. 17	9. 66E-09 M2	CTCF
PODXL. 3	6. 52E-13	-0. 15396	0. 006	0. 074	9. 74E-09 M2	PODXL
KRTCAP2. 3	6. 53E-13	0. 207293	0. 612	0. 553	9. 76E-09 M2	KRTCAP2
ID2. 4	6. 54E-13	0. 119866	0. 746	0. 647	9. 78E-09 M2	ID2
C17orf51. 6	6. 56E-13	-0. 14911	0. 005	0. 072	9. 80E-09 M2	C17orf51
AAAS. 2	6. 56E-13	-0. 18538	0. 083	0. 193	9. 80E-09 M2	AAAS
MPHOSPH9. 6	6. 58E-13	-0. 17862	0. 036	0. 123	9. 83E-09 M2	MPHOSPH9
ISG15. 3	6. 60E-13	0. 293807	0. 436	0. 351	9. 87E-09 M2	ISG15
TNFRSF1A. 6	6. 84E-13	0. 25699	0. 451	0. 366	1. 02E-08 M2	TNFRSF1A
GPRASP2. 3	6. 89E-13	-0. 17287	0. 004	0. 069	1. 03E-08 M2	GPRASP2
TOP2A. 5	6. 90E-13	-0. 32439	0. 017	0. 091	1. 03E-08 M2	TOP2A
NPB. 1	6. 95E-13	-0. 16932	0. 005	0. 072	1. 04E-08 M2	NPB
PCED1A. 2	6. 97E-13	-0. 12584	0. 043	0. 137	1. 04E-08 M2	PCED1A
CHST2. 3	7. 03E-13	-0. 15789	0. 049	0. 142	1. 05E-08 M2	CHST2
DHX40. 4	7. 15E-13	-0. 13361	0. 05	0. 145	1. 07E-08 M2	DHX40
SMCR5. 3	7. 18E-13	-0. 15019	0. 019	0. 097	1. 07E-08 M2	SMCR5
LARS. 2	7. 19E-13	-0. 18918	0. 204	0. 351	1. 07E-08 M2	LARS
SNX9. 5	7. 20E-13	0. 360697	0. 268	0. 184	1. 08E-08 M2	SNX9
TCP1. 2	7. 25E-13	-0. 22683	0. 372	0. 534	1. 08E-08 M2	TCP1
HBB. 4	7. 33E-13	0. 101477	0. 502	0. 391	1. 10E-08 M2	HBB
WDR74	7. 55E-13	-0. 19433	0. 125	0. 253	1. 13E-08 M2	WDR74
THOP1. 4	7. 56E-13	-0. 14118	0. 095	0. 209	1. 13E-08 M2	THOP1
WDR12. 2	7. 63E-13	-0. 20216	0. 054	0. 149	1. 14E-08 M2	WDR12
GTF3C5. 3	7. 76E-13	-0. 16141	0. 083	0. 193	1. 16E-08 M2	GTF3C5
ANTXR1. 3	7. 84E-13	-0. 18518	0. 019	0. 096	1. 17E-08 M2	ANTXR1
MIR497HG.	7. 87E-13	-0. 22115	0. 005	0. 072	1. 18E-08 M2	MIR497HG
LYRM1. 4	8. 00E-13	-0. 19523	0. 083	0. 19	1. 19E-08 M2	LYRM1
PEG3. 3	8. 01E-13	-0. 18487	0. 004	0. 069	1. 20E-08 M2	PEG3
AHDC1. 3	8. 18E-13	-0. 18636	0. 026	0. 107	1. 22E-08 M2	AHDC1
NUFIP1. 3	8. 26E-13	-0. 18498	0. 034	0. 121	1. 23E-08 M2	NUFIP1
TMEM8B. 1	8. 28E-13	-0. 12995	0. 003	0. 067	1. 24E-08 M2	TMEM8B
OSMR. 3	8. 29E-13	-0. 13674	0. 015	0. 09	1. 24E-08 M2	OSMR
E2F6. 3	8. 31E-13	-0. 15354	0. 054	0. 151	1. 24E-08 M2	E2F6
LINC00969	8. 32E-13	-0. 21033	0. 128	0. 251	1. 24E-08 M2	LINC00969
SEN7. 2	8. 38E-13	-0. 18447	0. 017	0. 092	1. 25E-08 M2	SEN7
SNTA1. 3	8. 47E-13	-0. 1283	0. 015	0. 09	1. 27E-08 M2	SNTA1
NFKBID. 5	8. 51E-13	0. 229297	0. 229	0. 134	1. 27E-08 M2	NFKBID
ITGA2. 3	8. 61E-13	-0. 14587	0. 003	0. 067	1. 29E-08 M2	ITGA2
HIRIP3. 3	8. 64E-13	-0. 18425	0. 069	0. 172	1. 29E-08 M2	HIRIP3

RNF135. 5	8. 66E-13	0. 229786	0. 185	0. 105	1. 29E-08 M2	RNF135
TRA2A. 1	8. 85E-13	-0. 24251	0. 211	0. 353	1. 32E-08 M2	TRA2A
HSF2. 3	8. 99E-13	-0. 20744	0. 037	0. 123	1. 34E-08 M2	HSF2
ZNF786. 3	9. 01E-13	-0. 16172	0. 008	0. 076	1. 35E-08 M2	ZNF786
KHDC1. 4	9. 03E-13	-0. 19192	0. 004	0. 069	1. 35E-08 M2	KHDC1
PAK4. 3	9. 04E-13	-0. 19826	0. 036	0. 121	1. 35E-08 M2	PAK4
MAGOHB. 2	9. 05E-13	-0. 2206	0. 124	0. 246	1. 35E-08 M2	MAGOHB
FCHO2. 4	9. 13E-13	0. 21521	0. 137	0. 07	1. 36E-08 M2	FCHO2
HNRNPA0. 3	9. 15E-13	-0. 22834	0. 506	0. 651	1. 37E-08 M2	HNRNPA0
THAP9-AS1	9. 30E-13	-0. 18139	0. 11	0. 229	1. 39E-08 M2	THAP9-AS1
LTA4H. 4	9. 41E-13	0. 302943	0. 315	0. 223	1. 41E-08 M2	LTA4H
ZNF714. 2	9. 50E-13	-0. 22073	0. 027	0. 108	1. 42E-08 M2	ZNF714
PIP4K2B. 2	9. 59E-13	-0. 14293	0. 027	0. 108	1. 43E-08 M2	PIP4K2B
FUT8. 3	9. 65E-13	-0. 1729	0. 041	0. 13	1. 44E-08 M2	FUT8
IFT52. 2	9. 70E-13	-0. 16201	0. 137	0. 265	1. 45E-08 M2	IFT52
RER1. 3	9. 75E-13	0. 218913	0. 548	0. 493	1. 46E-08 M2	RER1
INSIG1. 5	9. 79E-13	0. 371504	0. 307	0. 221	1. 46E-08 M2	INSIG1
BPHL. 3	9. 81E-13	-0. 1865	0. 077	0. 181	1. 47E-08 M2	BPHL
TMEM106C. 9.	9. 90E-13	-0. 20577	0. 146	0. 275	1. 48E-08 M2	TMEM106C
GDPD1. 3	1. 01E-12	-0. 15291	0. 005	0. 071	1. 51E-08 M2	GDPD1
RASGRP1. 4	1. 01E-12	-0. 13438	0. 006	0. 073	1. 52E-08 M2	RASGRP1
KLF7. 3	1. 03E-12	-0. 23562	0. 102	0. 213	1. 54E-08 M2	KLF7
NOL3. 5	1. 03E-12	-0. 19908	0. 07	0. 173	1. 55E-08 M2	NOL3
CCDC90B. 4	1. 04E-12	-0. 19283	0. 257	0. 42	1. 55E-08 M2	CCDC90B
SYNDIG1. 5	1. 05E-12	-0. 27881	0. 019	0. 094	1. 57E-08 M2	SYNDIG1
WIZ. 2	1. 06E-12	-0. 14577	0. 032	0. 116	1. 58E-08 M2	WIZ
SAMD14. 2	1. 06E-12	-0. 17163	0. 004	0. 069	1. 58E-08 M2	SAMD14
MCF2L. 4	1. 07E-12	-0. 23012	0. 023	0. 101	1. 60E-08 M2	MCF2L
H2AFX. 4	1. 08E-12	-0. 231	0. 112	0. 227	1. 62E-08 M2	H2AFX
ZNF292. 3	1. 08E-12	-0. 14124	0. 142	0. 272	1. 62E-08 M2	ZNF292
CISD1. 5	1. 10E-12	-0. 21449	0. 202	0. 346	1. 64E-08 M2	CISD1
BDNF-AS. 4	1. 12E-12	-0. 16498	0. 004	0. 068	1. 68E-08 M2	BDNF-AS
EFEMP1. 4	1. 14E-12	-0. 54557	0. 119	0. 228	1. 70E-08 M2	EFEMP1
NIPSNAP1. 1.	1. 14E-12	-0. 16234	0. 072	0. 174	1. 70E-08 M2	NIPSNAP1
NETO2. 3	1. 15E-12	-0. 12989	0. 065	0. 168	1. 71E-08 M2	NETO2
NABP2. 4	1. 15E-12	-0. 17169	0. 151	0. 285	1. 72E-08 M2	NABP2
NMT2. 4	1. 16E-12	-0. 18004	0. 024	0. 103	1. 73E-08 M2	NMT2
GLRB. 3	1. 18E-12	-0. 14546	0. 001	0. 063	1. 76E-08 M2	GLRB
UBE2T. 5	1. 20E-12	-0. 23106	0. 043	0. 133	1. 79E-08 M2	UBE2T
RNF34. 3	1. 20E-12	-0. 17808	0. 091	0. 202	1. 79E-08 M2	RNF34
XKR4. 3	1. 21E-12	-0. 18022	0	0. 061	1. 80E-08 M2	XKR4
PDGFC. 2	1. 22E-12	-0. 16663	0. 038	0. 125	1. 82E-08 M2	PDGFC
MON1A. 3	1. 22E-12	-0. 15437	0. 017	0. 091	1. 83E-08 M2	MON1A
KAT6B. 3	1. 23E-12	-0. 21375	0. 041	0. 128	1. 83E-08 M2	KAT6B
AC159540. 1.	1. 23E-12	-0. 17602	0. 015	0. 089	1. 84E-08 M2	AC159540. 1
CHPT1. 3	1. 24E-12	-0. 24563	0. 185	0. 311	1. 85E-08 M2	CHPT1
RAB30. 3	1. 25E-12	-0. 14961	0. 01	0. 08	1. 86E-08 M2	RAB30
ZNF446. 2	1. 26E-12	-0. 15409	0. 01	0. 08	1. 88E-08 M2	ZNF446
GAL3ST3. 3	1. 29E-12	-0. 13737	0. 001	0. 063	1. 92E-08 M2	GAL3ST3
DNASE1. 2	1. 29E-12	-0. 19032	0. 014	0. 086	1. 93E-08 M2	DNASE1
MORN2. 5	1. 30E-12	-0. 20745	0. 142	0. 271	1. 94E-08 M2	MORN2

NTRK3. 2	1. 30E-12	-0. 18504	0. 005	0. 07	1. 94E-08 M2	NTRK3
BRSK1. 3	1. 30E-12	-0. 17447	0. 015	0. 089	1. 95E-08 M2	BRSK1
UNG. 2	1. 33E-12	-0. 23562	0. 041	0. 128	1. 98E-08 M2	UNG
PTTG1IP. 2	1. 33E-12	0. 288098	0. 506	0. 453	1. 98E-08 M2	PTTG1IP
TNKS1BP1. 1	1. 33E-12	-0. 13368	0. 009	0. 078	1. 99E-08 M2	TNKS1BP1
LSM14A. 2	1. 39E-12	-0. 20731	0. 239	0. 391	2. 08E-08 M2	LSM14A
NCDN. 2	1. 41E-12	-0. 16168	0. 019	0. 095	2. 10E-08 M2	NCDN
ZNF322. 3	1. 42E-12	-0. 13613	0. 047	0. 139	2. 13E-08 M2	ZNF322
DNM1. 2	1. 42E-12	-0. 12703	0. 009	0. 077	2. 13E-08 M2	DNM1
GSG1L. 2	1. 43E-12	-0. 20534	0. 001	0. 063	2. 14E-08 M2	GSG1L
CELF3. 5	1. 44E-12	-0. 21611	0. 005	0. 07	2. 15E-08 M2	CELF3
CEP78. 4	1. 45E-12	-0. 14882	0. 034	0. 119	2. 17E-08 M2	CEP78
GFOD2. 2	1. 46E-12	-0. 13055	0. 046	0. 138	2. 19E-08 M2	GFOD2
SPSB4. 4	1. 46E-12	-0. 13212	0. 001	0. 063	2. 19E-08 M2	SPSB4
CCNG2. 4	1. 47E-12	-0. 25369	0. 086	0. 188	2. 19E-08 M2	CCNG2
MCHR1. 3	1. 48E-12	-0. 12744	0. 001	0. 063	2. 21E-08 M2	MCHR1
GJC1. 3	1. 49E-12	-0. 11665	0. 004	0. 068	2. 23E-08 M2	GJC1
ZNF253. 3	1. 50E-12	-0. 17052	0. 015	0. 088	2. 24E-08 M2	ZNF253
HSPA13. 4	1. 50E-12	-0. 167	0. 095	0. 207	2. 24E-08 M2	HSPA13
FAM181A. 3	1. 50E-12	-0. 23522	0. 005	0. 07	2. 24E-08 M2	FAM181A
MYCBP2. 3	1. 51E-12	-0. 22978	0. 185	0. 313	2. 26E-08 M2	MYCBP2
CHRN1. 4	1. 54E-12	-0. 21414	0. 059	0. 155	2. 30E-08 M2	CHRN1
TMEM178B. 1	1. 54E-12	-0. 15444	0	0. 06	2. 31E-08 M2	TMEM178B
LINC00526	1. 56E-12	-0. 12547	0. 013	0. 084	2. 33E-08 M2	LINC00526
PMFBP1. 1	1. 59E-12	0. 214275	0. 055	0. 018	2. 37E-08 M2	PMFBP1
PHF20L1. 4	1. 59E-12	-0. 18103	0. 179	0. 317	2. 38E-08 M2	PHF20L1
SH3RF1. 3	1. 60E-12	-0. 14078	0. 029	0. 112	2. 39E-08 M2	SH3RF1
VPS45. 2	1. 61E-12	-0. 20603	0. 073	0. 175	2. 40E-08 M2	VPS45
SHOX2. 3	1. 69E-12	-0. 1246	0. 004	0. 068	2. 52E-08 M2	SHOX2
EIF3D. 4	1. 69E-12	0. 216093	0. 534	0. 472	2. 53E-08 M2	EIF3D
NINJ2. 5	1. 69E-12	0. 184712	0. 157	0. 082	2. 53E-08 M2	NINJ2
LETM1. 2	1. 71E-12	-0. 17621	0. 084	0. 192	2. 56E-08 M2	LETM1
AGGF1. 2	1. 75E-12	-0. 17461	0. 111	0. 227	2. 62E-08 M2	AGGF1
NECAP1. 2	1. 75E-12	-0. 16728	0. 093	0. 206	2. 62E-08 M2	NECAP1
PRKRIP1. 4	1. 93E-12	-0. 15565	0. 125	0. 249	2. 88E-08 M2	PRKRIP1
SPATA6. 2	1. 95E-12	-0. 15898	0. 063	0. 162	2. 92E-08 M2	SPATA6
FTSJ2. 3	1. 96E-12	-0. 20573	0. 124	0. 245	2. 92E-08 M2	FTSJ2
CBFA2T2. 4	1. 96E-12	-0. 16609	0. 045	0. 134	2. 93E-08 M2	CBFA2T2
CBR3. 2	1. 98E-12	-0. 16176	0. 029	0. 111	2. 95E-08 M2	CBR3
GPR161. 5	1. 98E-12	-0. 1139	0. 015	0. 088	2. 95E-08 M2	GPR161
RP11-263K	1. 98E-12	-0. 16128	0. 005	0. 07	2. 96E-08 M2	RP11-263K19. 4
TARDBP. 1	2. 01E-12	-0. 18538	0. 17	0. 303	3. 00E-08 M2	TARDBP
OSBPL1A. 4	2. 01E-12	-0. 20902	0. 091	0. 198	3. 01E-08 M2	OSBPL1A
APBB3	2. 02E-12	0. 339432	0. 147	0. 08	3. 02E-08 M2	APBB3
ZDHHC15. 3	2. 06E-12	-0. 13672	0. 003	0. 065	3. 08E-08 M2	ZDHHC15
SLC9A3R2. 2	2. 06E-12	-0. 13207	0. 033	0. 117	3. 08E-08 M2	SLC9A3R2
RP11-398K	2. 07E-12	-0. 17815	0. 011	0. 08	3. 09E-08 M2	RP11-398K22. 12
EHD2. 3	2. 09E-12	-0. 12165	0. 014	0. 086	3. 12E-08 M2	EHD2
EFHD1. 2	2. 10E-12	-0. 29485	0. 001	0. 062	3. 14E-08 M2	EFHD1
DENND5B. 4	2. 12E-12	-0. 13677	0. 023	0. 101	3. 17E-08 M2	DENND5B
SSRP1. 3	2. 12E-12	-0. 19973	0. 22	0. 364	3. 17E-08 M2	SSRP1

ABCA3.3	2.13E-12	-0.15601	0.011	0.081	3.18E-08	M2	ABCA3
PBK.5	2.13E-12	-0.28499	0.01	0.078	3.18E-08	M2	PBK
NXPH4.3	2.20E-12	-0.20147	0.004	0.067	3.29E-08	M2	NXPH4
CETN2.5	2.20E-12	-0.27506	0.195	0.331	3.29E-08	M2	CETN2
TMEM57.4	2.21E-12	-0.20066	0.079	0.181	3.31E-08	M2	TMEM57
PRPF6.3	2.22E-12	-0.13396	0.213	0.363	3.32E-08	M2	PRPF6
CUL3.3	2.25E-12	-0.18646	0.097	0.207	3.36E-08	M2	CUL3
TCTN1.4	2.25E-12	-0.14136	0.103	0.22	3.37E-08	M2	TCTN1
KBTBD7.3	2.26E-12	-0.18737	0.018	0.092	3.37E-08	M2	KBTBD7
DLG5.2	2.31E-12	-0.1495	0.011	0.081	3.46E-08	M2	DLG5
GNG3.3	2.34E-12	-0.27168	0.01	0.078	3.49E-08	M2	GNG3
SLC4A8	2.37E-12	-0.13843	0.01	0.079	3.54E-08	M2	SLC4A8
DDX56.3	2.39E-12	-0.19614	0.139	0.265	3.57E-08	M2	DDX56
GAR1.5	2.39E-12	-0.17962	0.088	0.198	3.58E-08	M2	GAR1
PRPF19.1	2.42E-12	-0.20159	0.138	0.262	3.61E-08	M2	PRPF19
AC093673.2	2.43E-12	-0.17067	0.079	0.185	3.63E-08	M2	AC093673.5
ANLN.4	2.44E-12	-0.27482	0.004	0.067	3.65E-08	M2	ANLN
ZC3HC1.3	2.45E-12	-0.17119	0.042	0.13	3.66E-08	M2	ZC3HC1
DDX1.3	2.46E-12	-0.22564	0.225	0.37	3.67E-08	M2	DDX1
C22orf39.2	2.46E-12	-0.16941	0.14	0.268	3.68E-08	M2	C22orf39
SEC61A2.1	2.48E-12	-0.17038	0.014	0.085	3.71E-08	M2	SEC61A2
EPRS.3	2.49E-12	-0.19612	0.17	0.303	3.73E-08	M2	EPRS
ARHGEF2.4	2.53E-12	-0.20724	0.167	0.297	3.78E-08	M2	ARHGEF2
PCDH19.3	2.53E-12	-0.1329	0.003	0.064	3.79E-08	M2	PCDH19
TCEAL4.3	2.54E-12	-0.23014	0.42	0.582	3.79E-08	M2	TCEAL4
TBC1D20.3	2.55E-12	-0.14083	0.083	0.19	3.81E-08	M2	TBC1D20
ZNF300.4	2.56E-12	-0.17436	0.008	0.074	3.82E-08	M2	ZNF300
KPNA2.2	2.60E-12	-0.25484	0.227	0.364	3.88E-08	M2	KPNA2
STRN3.1	2.60E-12	-0.17172	0.046	0.136	3.89E-08	M2	STRN3
GTF2H2C.2	2.61E-12	-0.17314	0.018	0.091	3.90E-08	M2	GTF2H2C
C5orf45.2	2.62E-12	-0.15764	0.072	0.175	3.92E-08	M2	C5orf45
SPTLC2.5	2.62E-12	0.254227	0.303	0.204	3.92E-08	M2	SPTLC2
ZNF584.3	2.62E-12	-0.136	0.018	0.091	3.92E-08	M2	ZNF584
PAAF1.3	2.64E-12	-0.23201	0.097	0.206	3.95E-08	M2	PAAF1
IGSF11.3	2.67E-12	-0.15037	0.006	0.072	3.99E-08	M2	IGSF11
HTRA2.1	2.68E-12	-0.18628	0.115	0.232	4.00E-08	M2	HTRA2
FAM172A.3	2.74E-12	-0.12071	0.092	0.204	4.09E-08	M2	FAM172A
SMG6.1	2.79E-12	-0.14204	0.041	0.129	4.17E-08	M2	SMG6
SF1.2	2.79E-12	-0.20038	0.356	0.518	4.17E-08	M2	SF1
FLAD1.2	2.84E-12	-0.20962	0.123	0.24	4.25E-08	M2	FLAD1
AASDH.3	2.85E-12	-0.18843	0.07	0.17	4.25E-08	M2	AASDH
MAPKAPK5.2	2.86E-12	-0.14522	0.084	0.19	4.28E-08	M2	MAPKAPK5
TMEM68.3	2.87E-12	-0.17644	0.073	0.174	4.30E-08	M2	TMEM68
PSENN.3	2.87E-12	0.181057	0.552	0.488	4.30E-08	M2	PSENN
DAXX.1	2.91E-12	-0.17176	0.1	0.211	4.34E-08	M2	DAXX
ANKRD35.2	2.94E-12	-0.12337	0.05	0.143	4.39E-08	M2	ANKRD35
TMEM11.2	2.94E-12	-0.16873	0.185	0.328	4.40E-08	M2	TMEM11
PCDH1.3	3.03E-12	-0.14383	0.003	0.064	4.52E-08	M2	PCDH1
KCTD1.3	3.04E-12	-0.14646	0.005	0.069	4.55E-08	M2	KCTD1
NAIP.5	3.09E-12	0.232269	0.181	0.103	4.61E-08	M2	NAIP
OPTN.3	3.09E-12	-0.20638	0.051	0.141	4.61E-08	M2	OPTN



SHC4. 2	3. 10E-12	-0. 14593	0. 001	0. 061	4. 63E-08	M2	SHC4
RALGAPA2.	3. 10E-12	-0. 11437	0. 033	0. 116	4. 63E-08	M2	RALGAPA2
SMC4. 3	3. 16E-12	-0. 22817	0. 109	0. 219	4. 72E-08	M2	SMC4
NUSAP1. 4	3. 17E-12	-0. 32775	0. 031	0. 11	4. 73E-08	M2	NUSAP1
WRNIP1. 2	3. 17E-12	-0. 13083	0. 028	0. 108	4. 74E-08	M2	WRNIP1
EYA4. 3	3. 18E-12	-0. 10677	0. 001	0. 061	4. 76E-08	M2	EYA4
SNAP47. 3	3. 19E-12	-0. 15128	0. 098	0. 21	4. 77E-08	M2	SNAP47
MAPK11. 2	3. 21E-12	-0. 11015	0	0. 059	4. 80E-08	M2	MAPK11
RTN1. 3	3. 21E-12	-0. 3035	0. 057	0. 149	4. 80E-08	M2	RTN1
PKN2. 3	3. 22E-12	-0. 13863	0. 102	0. 218	4. 81E-08	M2	PKN2
MIEF1. 1	3. 26E-12	-0. 14975	0. 057	0. 152	4. 87E-08	M2	MIEF1
SIRT7. 3	3. 27E-12	-0. 13372	0. 1	0. 214	4. 88E-08	M2	SIRT7
ST7L. 2	3. 28E-12	-0. 12249	0. 034	0. 119	4. 91E-08	M2	ST7L
MAP4. 3	3. 29E-12	-0. 17625	0. 201	0. 344	4. 91E-08	M2	MAP4
EID2. 4	3. 32E-12	-0. 13494	0. 033	0. 116	4. 96E-08	M2	EID2
DXO	3. 36E-12	-0. 16136	0. 041	0. 127	5. 03E-08	M2	DXO
RNF13. 4	3. 37E-12	0. 185537	0. 539	0. 476	5. 04E-08	M2	RNF13
CA12. 5	3. 41E-12	-0. 15044	0. 05	0. 142	5. 10E-08	M2	CA12
CAPZA1. 5	3. 42E-12	0. 251111	0. 448	0. 388	5. 10E-08	M2	CAPZA1
CKAP2. 5	3. 46E-12	-0. 19436	0. 075	0. 176	5. 17E-08	M2	CKAP2
UBE2C. 5	3. 54E-12	-0. 37419	0. 04	0. 122	5. 29E-08	M2	UBE2C
SFXN5. 4	3. 55E-12	-0. 11261	0. 086	0. 196	5. 31E-08	M2	SFXN5
RNASEH2C	3. 58E-12	0. 311261	0. 437	0. 369	5. 35E-08	M2	RNASEH2C
CROT. 4	3. 60E-12	-0. 23176	0. 049	0. 138	5. 37E-08	M2	CROT
UTP14C. 1	3. 61E-12	-0. 12503	0. 015	0. 087	5. 40E-08	M2	UTP14C
CNKSR2. 3	3. 68E-12	-0. 12522	0. 004	0. 066	5. 51E-08	M2	CNKSR2
TBC1D22A.	3. 69E-12	0. 278751	0. 194	0. 118	5. 51E-08	M2	TBC1D22A
RDH10. 4	3. 73E-12	-0. 16806	0. 018	0. 091	5. 57E-08	M2	RDH10
UBE2A. 1	3. 76E-12	0. 272247	0. 476	0. 418	5. 61E-08	M2	UBE2A
PCDHB14. 2	3. 78E-12	-0. 16974	0	0. 058	5. 64E-08	M2	PCDHB14
BID. 5	3. 81E-12	0. 258397	0. 428	0. 352	5. 69E-08	M2	BID
ERF. 3	3. 87E-12	-0. 15957	0. 079	0. 184	5. 78E-08	M2	ERF
FAIM. 3	3. 87E-12	-0. 19726	0. 059	0. 153	5. 79E-08	M2	FAIM
NAA25	3. 88E-12	-0. 15471	0. 056	0. 15	5. 80E-08	M2	NAA25
HMBS. 2	3. 90E-12	-0. 11029	0. 093	0. 204	5. 83E-08	M2	HMBS
ZNF627. 2	3. 94E-12	-0. 16062	0. 013	0. 082	5. 88E-08	M2	ZNF627
PTPRK. 2	3. 97E-12	-0. 2284	0. 001	0. 061	5. 93E-08	M2	PTPRK
COQ10A. 2	4. 00E-12	-0. 15461	0. 027	0. 106	5. 97E-08	M2	COQ10A
POLR3H. 3	4. 01E-12	-0. 16047	0. 107	0. 222	5. 99E-08	M2	POLR3H
IZUM04. 3	4. 03E-12	-0. 14726	0. 006	0. 071	6. 02E-08	M2	IZUM04
ITGB1. 4	4. 05E-12	0. 209225	0. 464	0. 38	6. 06E-08	M2	ITGB1
ABCF2. 3	4. 06E-12	-0. 1794	0. 109	0. 223	6. 07E-08	M2	ABCF2
ING5. 2	4. 06E-12	-0. 14153	0. 037	0. 122	6. 07E-08	M2	ING5
KLHL35. 4	4. 08E-12	-0. 31018	0. 024	0. 099	6. 09E-08	M2	KLHL35
CCDC137. 3	4. 12E-12	-0. 1633	0. 098	0. 209	6. 16E-08	M2	CCDC137
GRB10. 4	4. 24E-12	-0. 15701	0. 01	0. 077	6. 34E-08	M2	GRB10
CCP110. 4	4. 24E-12	-0. 215	0. 043	0. 13	6. 34E-08	M2	CCP110
PSME2. 3	4. 27E-12	0. 137517	0. 613	0. 553	6. 38E-08	M2	PSME2
INPP1. 2	4. 27E-12	-0. 19849	0. 063	0. 158	6. 39E-08	M2	INPP1
USP33. 1	4. 29E-12	-0. 1797	0. 083	0. 186	6. 42E-08	M2	USP33
ZNF37A. 5	4. 30E-12	-0. 11974	0. 052	0. 145	6. 43E-08	M2	ZNF37A

CEP19.3	4.34E-12	-0.18271	0.013	0.081	6.49E-08 M2	CEP19
GNL3.3	4.38E-12	-0.19194	0.208	0.355	6.55E-08 M2	GNL3
ANKRD17.4	4.47E-12	-0.1665	0.112	0.225	6.67E-08 M2	ANKRD17
DOHH.3	4.48E-12	-0.15701	0.093	0.201	6.70E-08 M2	DOHH
PHLDB1.5	4.51E-12	-0.19008	0.055	0.148	6.74E-08 M2	PHLDB1
MAD2L1.4	4.54E-12	-0.2546	0.047	0.134	6.78E-08 M2	MAD2L1
TCHP.2	4.57E-12	-0.13374	0.034	0.117	6.83E-08 M2	TCHP
MCCC1.1	4.59E-12	-0.18517	0.06	0.153	6.86E-08 M2	MCCC1
LRP4.2	4.59E-12	-0.17572	0.003	0.063	6.86E-08 M2	LRP4
SLC2A9.3	4.64E-12	0.135069	0.063	0.022	6.93E-08 M2	SLC2A9
CCDC109B.4	4.70E-12	0.278803	0.427	0.343	7.02E-08 M2	CCDC109B
AKIRIN1.3	4.70E-12	-0.20225	0.234	0.378	7.03E-08 M2	AKIRIN1
MARC1.3	4.79E-12	-0.12775	0.003	0.063	7.16E-08 M2	1-Mar
FAT3.3	4.80E-12	-0.13005	0.001	0.06	7.17E-08 M2	FAT3
CCNDBP1.5	4.82E-12	0.296052	0.285	0.199	7.21E-08 M2	CCNDBP1
ZNF770.2	4.88E-12	-0.15781	0.047	0.136	7.29E-08 M2	ZNF770
USP42.3	4.92E-12	-0.16922	0.042	0.128	7.35E-08 M2	USP42
LRRC49.1	4.95E-12	-0.15815	0.003	0.063	7.40E-08 M2	LRRC49
FBXL15.5	4.97E-12	0.303049	0.275	0.19	7.42E-08 M2	FBXL15
FRYL.5	4.99E-12	-0.13442	0.087	0.195	7.46E-08 M2	FRYL
RNASEH2A.5	5.02E-12	-0.17999	0.106	0.218	7.50E-08 M2	RNASEH2A
CARKD.4	5.06E-12	-0.18402	0.047	0.135	7.56E-08 M2	CARKD
AC093323.5	5.15E-12	-0.12473	0.024	0.101	7.69E-08 M2	AC093323.3
BRD7.4	5.16E-12	-0.14073	0.139	0.262	7.72E-08 M2	BRD7
GBP2.4	5.20E-12	0.211006	0.298	0.202	7.77E-08 M2	GBP2
RRP36.4	5.27E-12	-0.14987	0.059	0.152	7.87E-08 M2	RRP36
HHEX.5	5.29E-12	0.173316	0.114	0.053	7.90E-08 M2	HHEX
ZNF576.3	5.32E-12	-0.17471	0.052	0.143	7.95E-08 M2	ZNF576
TMEM177.4	5.32E-12	-0.16503	0.014	0.083	7.95E-08 M2	TMEM177
VAPA.3	5.35E-12	0.149106	0.658	0.631	8.00E-08 M2	VAPA
C19orf60.5	5.40E-12	0.227128	0.547	0.499	8.07E-08 M2	C19orf60
HOXC10.3	5.44E-12	-0.18982	0	0.057	8.13E-08 M2	HOXC10
TSKU.3	5.48E-12	-0.12699	0.018	0.09	8.18E-08 M2	TSKU
B4GALT2.2	5.51E-12	-0.12873	0.013	0.081	8.24E-08 M2	B4GALT2
VKORC1L1.5	5.65E-12	-0.16383	0.049	0.137	8.45E-08 M2	VKORC1L1
NUP35.2	5.69E-12	-0.21787	0.036	0.117	8.51E-08 M2	NUP35
PXN-AS1.2	5.72E-12	-0.12549	0.015	0.086	8.55E-08 M2	PXN-AS1
CEP89.3	5.76E-12	-0.15881	0.047	0.136	8.61E-08 M2	CEP89
ZNF260.2	5.79E-12	-0.13898	0.027	0.104	8.66E-08 M2	ZNF260
DCAF8.1	5.83E-12	-0.17038	0.105	0.215	8.71E-08 M2	DCAF8
ORAI2.2	5.84E-12	-0.1976	0.158	0.285	8.72E-08 M2	ORAI2
CADM1.3	5.86E-12	-0.22064	0.199	0.334	8.76E-08 M2	CADM1
STOML1.3	5.94E-12	-0.2126	0.028	0.106	8.88E-08 M2	STOML1
PAICS.4	5.97E-12	-0.20109	0.183	0.317	8.91E-08 M2	PAICS
SEN2.3	5.97E-12	-0.13888	0.049	0.139	8.92E-08 M2	SEN2
DGCR2.2	5.98E-12	-0.14442	0.063	0.159	8.94E-08 M2	DGCR2
ZCCHC3.4	6.03E-12	-0.11109	0.031	0.111	9.01E-08 M2	ZCCHC3
YJEFN3.3	6.03E-12	-0.14364	0.005	0.067	9.01E-08 M2	YJEFN3
HOXA3.4	6.03E-12	-0.19142	0.001	0.06	9.01E-08 M2	HOXA3
FAM110B.3	6.06E-12	-0.18332	0.088	0.194	9.06E-08 M2	FAM110B
POGZ.3	6.09E-12	-0.18791	0.106	0.218	9.11E-08 M2	POGZ

RP11-698N	6. 14E-12	-0. 16982	0. 003	0. 062	9. 17E-08 M2	RP11-698N11. 2
SUCLA2. 4	6. 16E-12	-0. 16808	0. 163	0. 296	9. 21E-08 M2	SUCLA2
FAM200A. 2	6. 28E-12	-0. 19041	0. 026	0. 101	9. 39E-08 M2	FAM200A
MLH3. 2	6. 34E-12	-0. 20883	0. 032	0. 111	9. 48E-08 M2	MLH3
CLSTN1. 3	6. 41E-12	-0. 15388	0. 161	0. 291	9. 58E-08 M2	CLSTN1
PAK1IP1. 3	6. 43E-12	-0. 20576	0. 111	0. 223	9. 61E-08 M2	PAK1IP1
CCDC151. 3	6. 44E-12	0. 242117	0. 119	0. 059	9. 63E-08 M2	CCDC151
AC091729. 6	6. 50E-12	-0. 13989	0. 015	0. 085	9. 71E-08 M2	AC091729. 9
TUBGCP4. 3	6. 53E-12	-0. 17473	0. 043	0. 129	9. 76E-08 M2	TUBGCP4
ZNF121. 1	6. 54E-12	-0. 16498	0. 034	0. 116	9. 78E-08 M2	ZNF121
CENPT. 3	6. 58E-12	-0. 15786	0. 091	0. 197	9. 84E-08 M2	CENPT
RFX3. 1	6. 65E-12	-0. 14096	0. 011	0. 079	9. 94E-08 M2	RFX3
SLC25A38. 6	6. 67E-12	-0. 17752	0. 059	0. 152	9. 97E-08 M2	SLC25A38
PTPRN. 4	6. 70E-12	-0. 21761	0. 011	0. 078	1. 00E-07 M2	PTPRN
GRAMD4. 3	6. 74E-12	0. 258437	0. 115	0. 057	1. 01E-07 M2	GRAMD4
BAMBI. 3	6. 80E-12	-0. 1547	0. 009	0. 074	1. 02E-07 M2	BAMBI
CEP164. 1	6. 98E-12	-0. 15384	0. 064	0. 159	1. 04E-07 M2	CEP164
GPR155. 4	7. 25E-12	-0. 1896	0. 089	0. 194	1. 08E-07 M2	GPR155
CCDC107. 3	7. 28E-12	0. 304375	0. 448	0. 386	1. 09E-07 M2	CCDC107
PPP1R9A. 4	7. 56E-12	-0. 20308	0. 01	0. 076	1. 13E-07 M2	PPP1R9A
GPX8. 4	7. 57E-12	-0. 12972	0. 005	0. 067	1. 13E-07 M2	GPX8
DBNL. 5	7. 62E-12	0. 237016	0. 484	0. 421	1. 14E-07 M2	DBNL
CDC23. 3	7. 63E-12	-0. 19148	0. 045	0. 131	1. 14E-07 M2	CDC23
GNG7. 4	7. 64E-12	-0. 25707	0. 181	0. 307	1. 14E-07 M2	GNG7
HOMER2. 1	7. 65E-12	-0. 12845	0. 001	0. 059	1. 14E-07 M2	HOMER2
PPP1CC. 3	7. 72E-12	-0. 19567	0. 303	0. 455	1. 15E-07 M2	PPP1CC
FBX05. 2	7. 76E-12	-0. 16082	0. 026	0. 101	1. 16E-07 M2	FBX05
GPR75-ASE	7. 79E-12	-0. 1665	0. 019	0. 091	1. 16E-07 M2	GPR75-ASB3
ARAP3. 2	7. 86E-12	-0. 14609	0. 006	0. 069	1. 17E-07 M2	ARAP3
IFNAR1. 3	7. 89E-12	0. 341027	0. 356	0. 285	1. 18E-07 M2	IFNAR1
VPS37D. 3	8. 05E-12	-0. 1553	0. 004	0. 064	1. 20E-07 M2	VPS37D
NANOS3. 3	8. 08E-12	-0. 13033	0. 005	0. 067	1. 21E-07 M2	NANOS3
RBM5. 2	8. 20E-12	-0. 17896	0. 158	0. 287	1. 23E-07 M2	RBM5
RP11-1275	8. 28E-12	-0. 17823	0. 004	0. 064	1. 24E-07 M2	RP11-1275H24. 1
CNRIP1. 3	8. 29E-12	-0. 22438	0. 105	0. 211	1. 24E-07 M2	CNRIP1
PDCD2L. 3	8. 32E-12	-0. 15114	0. 031	0. 11	1. 24E-07 M2	PDCD2L
TBC1D24. 3	8. 40E-12	-0. 14046	0. 01	0. 076	1. 26E-07 M2	TBC1D24
PDAP1. 3	8. 40E-12	-0. 22065	0. 39	0. 546	1. 26E-07 M2	PDAP1
FLRT3. 4	8. 72E-12	-0. 14427	0. 003	0. 062	1. 30E-07 M2	FLRT3
AOAH. 5	8. 84E-12	0. 147558	0. 206	0. 117	1. 32E-07 M2	AOAH
DZIP3. 3	8. 91E-12	-0. 15789	0. 049	0. 137	1. 33E-07 M2	DZIP3
ZNF398. 4	8. 93E-12	-0. 15209	0. 003	0. 061	1. 34E-07 M2	ZNF398
BEST1. 3	9. 07E-12	0. 245041	0. 363	0. 269	1. 35E-07 M2	BEST1
EBF4. 2	9. 07E-12	-0. 11406	0. 001	0. 059	1. 36E-07 M2	EBF4
ZNF16. 2	9. 09E-12	-0. 16583	0. 008	0. 071	1. 36E-07 M2	ZNF16
SLC35A5. 1	9. 14E-12	-0. 16656	0. 089	0. 193	1. 37E-07 M2	SLC35A5
RP11-325F	9. 20E-12	0. 103563	0. 017	0. 002	1. 37E-07 M2	RP11-325F22. 2
EVA1C. 4	9. 26E-12	-0. 12596	0. 01	0. 076	1. 38E-07 M2	EVA1C
RXR	9. 28E-12	-0. 15871	0. 074	0. 173	1. 39E-07 M2	RXR
CEP57L1. 4	9. 37E-12	-0. 12754	0. 034	0. 116	1. 40E-07 M2	CEP57L1
ATP13A3. 2	9. 38E-12	0. 304184	0. 221	0. 145	1. 40E-07 M2	ATP13A3

CCER2.4	9.38E-12	-0.2126	0.001	0.059	1.40E-07 M2	CCER2
PUS3.3	9.40E-12	-0.13806	0.037	0.119	1.40E-07 M2	PUS3
EIF3E.4	9.60E-12	0.110012	0.677	0.645	1.43E-07 M2	EIF3E
RGS3.3	9.79E-12	-0.13595	0.032	0.112	1.46E-07 M2	RGS3
ARID1A.3	9.80E-12	-0.1564	0.13	0.25	1.47E-07 M2	ARID1A
COPRS.4	9.91E-12	-0.1876	0.209	0.343	1.48E-07 M2	COPRS
MFAP3L.3	9.97E-12	-0.13824	0.001	0.059	1.49E-07 M2	MFAP3L
NCK1.1	1.00E-11	-0.2425	0.135	0.252	1.50E-07 M2	NCK1
IL6.1	1.01E-11	0.203494	0.086	0.037	1.51E-07 M2	IL6
GMNN.4	1.01E-11	-0.19697	0.082	0.183	1.51E-07 M2	GMNN
IL13RA2.4	1.02E-11	-0.26615	0.001	0.059	1.52E-07 M2	IL13RA2
FAM222B.4	1.02E-11	-0.11944	0.037	0.119	1.53E-07 M2	FAM222B
MTHFD2.4	1.03E-11	0.246355	0.379	0.282	1.54E-07 M2	MTHFD2
DSCC1.2	1.03E-11	-0.14182	0.004	0.064	1.54E-07 M2	DSCC1
GMIP.5	1.03E-11	0.219268	0.134	0.07	1.54E-07 M2	GMIP
LONRF1.2	1.03E-11	-0.12807	0.027	0.103	1.54E-07 M2	LONRF1
LRRC24.3	1.04E-11	-0.15106	0.009	0.073	1.55E-07 M2	LRRC24
HLA-DQB2.1	1.05E-11	0.209909	0.169	0.092	1.57E-07 M2	HLA-DQB2
KATNAL1.2	1.06E-11	-0.11944	0.017	0.086	1.58E-07 M2	KATNAL1
MSH6.3	1.06E-11	-0.15411	0.046	0.132	1.58E-07 M2	MSH6
SSBP3.4	1.06E-11	-0.15947	0.047	0.134	1.58E-07 M2	SSBP3
BRMS1L.2	1.06E-11	-0.17575	0.027	0.102	1.59E-07 M2	BRMS1L
SERPINF1.1	1.07E-11	0.209514	0.324	0.217	1.60E-07 M2	SERPINF1
ABCD1.3	1.07E-11	0.185842	0.095	0.043	1.60E-07 M2	ABCD1
C19orf25.1	1.08E-11	-0.11565	0.172	0.308	1.61E-07 M2	C19orf25
CHDH	1.08E-11	-0.13166	0.008	0.071	1.61E-07 M2	CHDH
SRRT.2	1.09E-11	-0.1586	0.112	0.224	1.63E-07 M2	SRRT
PFKP.1	1.09E-11	0.342388	0.22	0.146	1.64E-07 M2	PFKP
SQSTM1.3	1.10E-11	0.200462	0.576	0.52	1.64E-07 M2	SQSTM1
REXO4.2	1.11E-11	-0.16331	0.092	0.197	1.66E-07 M2	REXO4
TNS1.1	1.12E-11	0.29468	0.098	0.046	1.68E-07 M2	TNS1
ANXA7.4	1.16E-11	0.260033	0.41	0.333	1.73E-07 M2	ANXA7
ZNF574.3	1.16E-11	-0.16815	0.02	0.092	1.74E-07 M2	ZNF574
UBN2.2	1.16E-11	-0.15758	0.034	0.114	1.74E-07 M2	UBN2
PSPC1.4	1.16E-11	-0.18737	0.11	0.218	1.74E-07 M2	PSPC1
TMEM222.5	1.17E-11	-0.18743	0.158	0.288	1.74E-07 M2	TMEM222
PCOLCE.4	1.17E-11	-0.21193	0.017	0.086	1.75E-07 M2	PCOLCE
GLOD4.2	1.18E-11	-0.19366	0.25	0.399	1.76E-07 M2	GLOD4
SIX1.3	1.18E-11	-0.15076	0.003	0.061	1.76E-07 M2	SIX1
TRIM16L.2	1.18E-11	-0.12488	0.011	0.077	1.76E-07 M2	TRIM16L
SEN6.2	1.19E-11	-0.16832	0.112	0.226	1.78E-07 M2	SEN6
CCDC12.2	1.21E-11	-0.20029	0.284	0.441	1.81E-07 M2	CCDC12
LYL1.5	1.21E-11	0.128895	0.148	0.076	1.81E-07 M2	LYL1
PRKAA2.4	1.22E-11	-0.12808	0	0.056	1.83E-07 M2	PRKAA2
VRK2.5	1.23E-11	0.205248	0.107	0.051	1.84E-07 M2	VRK2
CARS.3	1.24E-11	-0.17389	0.114	0.227	1.85E-07 M2	CARS
SIK1.5	1.26E-11	0.254235	0.169	0.095	1.88E-07 M2	SIK1
SLC8B1.5	1.26E-11	0.266147	0.163	0.093	1.89E-07 M2	SLC8B1
MICU3.4	1.28E-11	-0.19975	0.018	0.087	1.92E-07 M2	MICU3
SREBF2.2	1.29E-11	-0.1234	0.041	0.125	1.92E-07 M2	SREBF2
FUS.2	1.29E-11	-0.23948	0.502	0.653	1.93E-07 M2	FUS

PRADC1.4	1.30E-11	-0.17171	0.114	0.224	1.95E-07	M2	PRADC1
B3GALNT2.	1.31E-11	-0.16031	0.023	0.096	1.96E-07	M2	B3GALNT2
PSMC3IP.4	1.33E-11	-0.14386	0.01	0.075	1.99E-07	M2	PSMC3IP
ZNF528.3	1.35E-11	-0.10292	0.033	0.113	2.02E-07	M2	ZNF528
POLK.1	1.36E-11	-0.20081	0.087	0.187	2.03E-07	M2	POLK
LINC00936	1.37E-11	0.346192	0.212	0.135	2.04E-07	M2	LINC00936
SPN.5	1.38E-11	0.151043	0.11	0.052	2.06E-07	M2	SPN
LRRTM3.3	1.38E-11	-0.1097	0	0.055	2.06E-07	M2	LRRTM3
SLC30A5.2	1.39E-11	-0.12401	0.102	0.212	2.07E-07	M2	SLC30A5
RASL11B.4	1.41E-11	-0.24518	0.001	0.058	2.11E-07	M2	RASL11B
SLFN12.2	1.43E-11	0.140813	0.063	0.023	2.13E-07	M2	SLFN12
GSDMA.1	1.43E-11	0.103128	0.046	0.014	2.14E-07	M2	GSDMA
MTHFD1.2	1.44E-11	-0.1997	0.092	0.194	2.15E-07	M2	MTHFD1
CCDC106.5	1.45E-11	-0.13227	0.123	0.24	2.16E-07	M2	CCDC106
NCBP2-AS2	1.46E-11	-0.14085	0.157	0.285	2.18E-07	M2	NCBP2-AS2
ZNF595.2	1.50E-11	-0.16801	0.013	0.079	2.24E-07	M2	ZNF595
CHTOP.3	1.50E-11	-0.191	0.232	0.376	2.24E-07	M2	CHTOP
INTS12.3	1.50E-11	-0.19748	0.074	0.171	2.24E-07	M2	INTS12
CLDN15.3	1.52E-11	-0.1759	0.006	0.067	2.27E-07	M2	CLDN15
RNASEH1.3	1.52E-11	-0.12712	0.12	0.237	2.28E-07	M2	RNASEH1
PSTPIP2.3	1.54E-11	0.149944	0.092	0.041	2.31E-07	M2	PSTPIP2
KPNA5.1	1.56E-11	-0.17672	0.024	0.097	2.32E-07	M2	KPNA5
BEX5.3	1.56E-11	-0.32624	0.028	0.101	2.33E-07	M2	BEX5
ACACA.2	1.56E-11	-0.12043	0.024	0.098	2.34E-07	M2	ACACA
TMEM129.2	1.57E-11	-0.17031	0.079	0.179	2.34E-07	M2	TMEM129
RASSF8.2	1.59E-11	-0.11129	0.02	0.092	2.37E-07	M2	RASSF8
DGCR8.2	1.60E-11	-0.15299	0.018	0.087	2.38E-07	M2	DGCR8
RP3-460G2	1.61E-11	0.174973	0.115	0.056	2.41E-07	M2	RP3-460G2.2
FAM64A.5	1.61E-11	-0.24171	0.01	0.073	2.41E-07	M2	FAM64A
PMS1.1	1.64E-11	-0.17308	0.041	0.123	2.45E-07	M2	PMS1
RBM38.3	1.64E-11	-0.1353	0.052	0.141	2.45E-07	M2	RBM38
TSMF.3	1.65E-11	-0.27343	0.166	0.284	2.46E-07	M2	TSMF
GPR162.3	1.66E-11	-0.15427	0.031	0.107	2.47E-07	M2	GPR162
SLC16A2.2	1.66E-11	-0.1117	0.001	0.058	2.47E-07	M2	SLC16A2
MTFP1.1	1.69E-11	0.311622	0.121	0.063	2.52E-07	M2	MTFP1
ABHD14A.3	1.70E-11	-0.13984	0.116	0.229	2.54E-07	M2	ABHD14A
LIPE.2	1.70E-11	-0.1604	0.005	0.065	2.54E-07	M2	LIPE
PWWP2A.2	1.73E-11	-0.16639	0.047	0.132	2.59E-07	M2	PWWP2A
ZNF599.3	1.74E-11	-0.14764	0.013	0.078	2.60E-07	M2	ZNF599
ERBB4.4	1.75E-11	-0.19328	0.004	0.062	2.61E-07	M2	ERBB4
TRIM33.4	1.77E-11	-0.1475	0.087	0.19	2.65E-07	M2	TRIM33
PARD6A.2	1.79E-11	-0.12715	0.026	0.1	2.68E-07	M2	PARD6A
FRS2.4	1.80E-11	-0.19157	0.037	0.117	2.69E-07	M2	FRS2
ST3GAL3.3	1.81E-11	-0.14301	0.02	0.091	2.71E-07	M2	ST3GAL3
RBAK-RBAK	1.82E-11	-0.19787	0.031	0.106	2.71E-07	M2	RBAK-RBAKDN
IL32.3	1.83E-11	-0.41236	0.031	0.105	2.74E-07	M2	IL32
HN1L.3	1.83E-11	-0.14972	0.065	0.159	2.74E-07	M2	HN1L
RP1-79C4.	1.83E-11	-0.11292	0	0.055	2.74E-07	M2	RP1-79C4.4
WDR25.2	1.84E-11	-0.1637	0.028	0.103	2.76E-07	M2	WDR25
SLC35B4.3	1.87E-11	-0.20491	0.096	0.198	2.80E-07	M2	SLC35B4
ZNF830.3	1.89E-11	-0.19374	0.093	0.198	2.82E-07	M2	ZNF830

MRFAP1. 4	1. 96E-11	-0. 23318	0. 552	0. 679	2. 93E-07 M2	MRFAP1
FASTK. 3	1. 97E-11	-0. 18611	0. 207	0. 347	2. 94E-07 M2	FASTK
GNAZ. 3	1. 98E-11	-0. 15338	0. 005	0. 065	2. 96E-07 M2	GNAZ
CA14. 4	1. 99E-11	-0. 20621	0	0. 055	2. 97E-07 M2	CA14
GBE1. 3	1. 99E-11	0. 308317	0. 259	0. 18	2. 98E-07 M2	GBE1
RANBP3. 2	2. 03E-11	-0. 15172	0. 119	0. 23	3. 03E-07 M2	RANBP3
FAM76B. 1	2. 09E-11	-0. 14708	0. 037	0. 117	3. 13E-07 M2	FAM76B
RPRM. 5	2. 11E-11	-0. 24883	0. 009	0. 071	3. 15E-07 M2	RPRM
IL16. 5	2. 12E-11	0. 187141	0. 128	0. 064	3. 17E-07 M2	IL16
NOTCH3. 2	2. 13E-11	-0. 11003	0. 005	0. 064	3. 18E-07 M2	NOTCH3
ARFGAP2. 2	2. 18E-11	-0. 17673	0. 172	0. 3	3. 26E-07 M2	ARFGAP2
AC011043. 1	2. 19E-11	-0. 14859	0. 006	0. 067	3. 27E-07 M2	AC011043. 1
HDGF. 2	2. 20E-11	-0. 15659	0. 155	0. 282	3. 28E-07 M2	HDGF
CTPS1. 2	2. 20E-11	-0. 15143	0. 033	0. 111	3. 29E-07 M2	CTPS1
NCAM2. 3	2. 21E-11	-0. 19085	0. 009	0. 071	3. 30E-07 M2	NCAM2
KIAA1958	2. 22E-11	-0. 11877	0. 009	0. 071	3. 31E-07 M2	KIAA1958
SCAF1. 4	2. 23E-11	-0. 11233	0. 065	0. 16	3. 33E-07 M2	SCAF1
SKP1. 4	2. 25E-11	-0. 2398	0. 822	0. 868	3. 36E-07 M2	SKP1
EML1. 1	2. 26E-11	-0. 151	0. 017	0. 084	3. 38E-07 M2	EML1
TULP3. 4	2. 28E-11	-0. 1433	0. 046	0. 131	3. 41E-07 M2	TULP3
KCND3. 4	2. 29E-11	-0. 12633	0. 004	0. 062	3. 42E-07 M2	KCND3
TRAF3IP2-AS1	2. 30E-11	-0. 15812	0. 017	0. 084	3. 43E-07 M2	TRAF3IP2-AS1
AK1. 3	2. 31E-11	-0. 15724	0. 204	0. 345	3. 46E-07 M2	AK1
NHSL1. 1	2. 32E-11	-0. 18665	0. 032	0. 108	3. 47E-07 M2	NHSL1
SUDS3. 4	2. 34E-11	-0. 10825	0. 089	0. 195	3. 49E-07 M2	SUDS3
ABCF1. 4	2. 36E-11	-0. 14203	0. 162	0. 293	3. 52E-07 M2	ABCF1
C1orf122. 2	2. 39E-11	-0. 25086	0. 361	0. 497	3. 57E-07 M2	C1orf122
TAPT1-AS1	2. 39E-11	-0. 13532	0. 005	0. 064	3. 57E-07 M2	TAPT1-AS1
RGS12. 5	2. 39E-11	-0. 17871	0. 157	0. 279	3. 57E-07 M2	RGS12
MOXD1. 3	2. 39E-11	-0. 13256	0. 001	0. 057	3. 58E-07 M2	MOXD1
SLC39A1. 2	2. 41E-11	0. 245349	0. 446	0. 383	3. 60E-07 M2	SLC39A1
TTC17. 2	2. 43E-11	-0. 1744	0. 115	0. 226	3. 63E-07 M2	TTC17
RAB6B. 4	2. 44E-11	-0. 13612	0. 008	0. 069	3. 64E-07 M2	RAB6B
TRIM38. 4	2. 45E-11	0. 220081	0. 165	0. 093	3. 66E-07 M2	TRIM38
PRKDC. 2	2. 45E-11	-0. 17165	0. 172	0. 301	3. 67E-07 M2	PRKDC
JPH4. 2	2. 50E-11	-0. 20105	0. 005	0. 064	3. 74E-07 M2	JPH4
SPHK2. 3	2. 50E-11	-0. 10815	0. 049	0. 134	3. 74E-07 M2	SPHK2
PDLIM1. 3	2. 52E-11	-0. 14962	0. 013	0. 078	3. 77E-07 M2	PDLIM1
B3GALT1. 3	2. 53E-11	-0. 10813	0	0. 054	3. 79E-07 M2	B3GALT1
FGF9. 4	2. 53E-11	-0. 19452	0	0. 054	3. 79E-07 M2	FGF9
ARL2BP. 2	2. 54E-11	-0. 18293	0. 267	0. 415	3. 79E-07 M2	ARL2BP
HRSP12. 5	2. 54E-11	-0. 17068	0. 1	0. 205	3. 80E-07 M2	HRSP12
FDPS. 3	2. 54E-11	-0. 21897	0. 276	0. 426	3. 80E-07 M2	FDPS
GTF2H3. 2	2. 56E-11	-0. 13334	0. 057	0. 147	3. 82E-07 M2	GTF2H3
FBXL3. 2	2. 56E-11	-0. 15894	0. 083	0. 182	3. 83E-07 M2	FBXL3
CBX2. 3	2. 60E-11	-0. 13859	0. 009	0. 071	3. 89E-07 M2	CBX2
PRDX4. 5	2. 69E-11	0. 130517	0. 596	0. 543	4. 03E-07 M2	PRDX4
SCAP. 3	2. 71E-11	-0. 14086	0. 069	0. 163	4. 05E-07 M2	SCAP
SP3. 4	2. 71E-11	-0. 162	0. 107	0. 217	4. 05E-07 M2	SP3
STK32A. 4	2. 72E-11	-0. 1176	0. 003	0. 059	4. 06E-07 M2	STK32A
TPX2. 4	2. 73E-11	-0. 24163	0. 019	0. 087	4. 08E-07 M2	TPX2

TRMT61A	2.77E-11	-0.13139	0.047	0.133	4.14E-07 M2	TRMT61A
FAM98B.3	2.77E-11	-0.15872	0.027	0.1	4.14E-07 M2	FAM98B
CASC3.2	2.80E-11	-0.14974	0.089	0.192	4.19E-07 M2	CASC3
MKLN1.3	2.85E-11	-0.1555	0.123	0.237	4.26E-07 M2	MKLN1
EID2B.3	2.88E-11	-0.15574	0.023	0.094	4.30E-07 M2	EID2B
RNFT2.4	2.91E-11	-0.13212	0.01	0.073	4.35E-07 M2	RNFT2
LAMA4.3	2.92E-11	-0.14171	0.011	0.075	4.36E-07 M2	LAMA4
MTMR2.2	2.93E-11	-0.13905	0.061	0.152	4.39E-07 M2	MTMR2
NF1.3	2.94E-11	-0.13854	0.119	0.231	4.39E-07 M2	NF1
DBF4.3	2.94E-11	-0.21177	0.045	0.126	4.39E-07 M2	DBF4
ADCY3.2	2.96E-11	0.231656	0.11	0.055	4.42E-07 M2	ADCY3
ZNF148.1	2.97E-11	-0.17243	0.139	0.257	4.43E-07 M2	ZNF148
NFKB2.5	2.97E-11	0.266844	0.114	0.057	4.44E-07 M2	NFKB2
SCAI.2	2.97E-11	-0.1686	0.019	0.088	4.44E-07 M2	SCAI
HELZ2.4	3.01E-11	-0.12981	0.029	0.105	4.49E-07 M2	HELZ2
HPCA.3	3.01E-11	-0.18917	0.005	0.063	4.49E-07 M2	HPCA
IQCG.4	3.01E-11	-0.19724	0.045	0.128	4.49E-07 M2	IQCG
NOL10.2	3.02E-11	-0.13835	0.068	0.161	4.51E-07 M2	NOL10
RAB9B.2	3.03E-11	-0.16676	0.001	0.056	4.53E-07 M2	RAB9B
MPP2.4	3.04E-11	-0.14588	0.005	0.063	4.54E-07 M2	MPP2
VAMP5.2	3.06E-11	0.152528	0.478	0.391	4.57E-07 M2	VAMP5
GAS2L1.4	3.07E-11	-0.12232	0.065	0.158	4.59E-07 M2	GAS2L1
ASB8.2	3.08E-11	-0.14655	0.115	0.225	4.60E-07 M2	ASB8
COA1.2	3.09E-11	-0.19981	0.262	0.407	4.62E-07 M2	COA1
TARSL2.4	3.11E-11	-0.17646	0.037	0.115	4.65E-07 M2	TARSL2
RAD17.2	3.16E-11	-0.1485	0.05	0.135	4.72E-07 M2	RAD17
ZNF451.2	3.17E-11	-0.13203	0.073	0.169	4.74E-07 M2	ZNF451
RP11-126K	3.20E-11	-0.13037	0.024	0.096	4.78E-07 M2	RP11-126K1.6
TMEM255A	3.21E-11	-0.17175	0.032	0.107	4.80E-07 M2	TMEM255A
RP11-111M	3.21E-11	-0.15298	0.027	0.101	4.80E-07 M2	RP11-111M22.3
CAPN5.2	3.24E-11	-0.11737	0.01	0.073	4.84E-07 M2	CAPN5
HID1.2	3.24E-11	-0.14978	0.001	0.056	4.85E-07 M2	HID1
PCM1.4	3.25E-11	-0.17901	0.201	0.332	4.86E-07 M2	PCM1
TSEN34.2	3.26E-11	-0.16917	0.238	0.378	4.87E-07 M2	TSEN34
HAS2.2	3.29E-11	-0.16149	0.001	0.056	4.91E-07 M2	HAS2
UBTD2.2	3.29E-11	-0.13163	0.033	0.111	4.92E-07 M2	UBTD2
LACC1.2	3.32E-11	0.152288	0.075	0.031	4.97E-07 M2	LACC1
GABBR1.4	3.33E-11	-0.15578	0.017	0.083	4.98E-07 M2	GABBR1
SLC25A36	3.34E-11	-0.10936	0.152	0.277	4.99E-07 M2	SLC25A36
NOA1.3	3.34E-11	-0.17734	0.061	0.149	5.00E-07 M2	NOA1
QDPR.4	3.35E-11	-0.26725	0.23	0.369	5.00E-07 M2	QDPR
DDX19A.1	3.40E-11	-0.15387	0.07	0.164	5.08E-07 M2	DDX19A
TNPO3.1	3.43E-11	-0.18539	0.06	0.148	5.12E-07 M2	TNPO3
PDZRN3.3	3.45E-11	-0.1611	0.004	0.061	5.16E-07 M2	PDZRN3
PYURF.2	3.49E-11	-0.19694	0.405	0.55	5.22E-07 M2	PYURF
TACC2.2	3.51E-11	-0.12849	0.004	0.061	5.24E-07 M2	TACC2
PMPCA.3	3.53E-11	-0.16228	0.137	0.254	5.28E-07 M2	PMPCA
SIVA1.2	3.57E-11	0.213251	0.534	0.482	5.34E-07 M2	SIVA1
MOCS2.5	3.63E-11	-0.19708	0.152	0.271	5.42E-07 M2	MOCS2
MAP4K5.3	3.70E-11	-0.1837	0.069	0.161	5.54E-07 M2	MAP4K5
RELT.4	3.71E-11	0.204045	0.146	0.08	5.54E-07 M2	RELT

UBE2V2.4	3.72E-11	-0.19659	0.347	0.505	5.55E-07 M2	UBE2V2
RP11-11N9	3.73E-11	0.12547	0.106	0.05	5.57E-07 M2	RP11-11N9.4
TMEM52B.5	3.75E-11	0.171262	0.096	0.044	5.61E-07 M2	TMEM52B
C16orf87.3	3.81E-11	-0.158	0.105	0.212	5.69E-07 M2	C16orf87
SPEG.3	3.84E-11	-0.14498	0.011	0.074	5.74E-07 M2	SPEG
SHPRH.2	3.87E-11	-0.17075	0.049	0.132	5.79E-07 M2	SHPRH
RHOT1.3	3.89E-11	-0.17849	0.14	0.257	5.82E-07 M2	RHOT1
CADM3.3	3.90E-11	-0.27	0.031	0.105	5.83E-07 M2	CADM3
PPP1R37.3	3.91E-11	-0.12999	0.054	0.14	5.85E-07 M2	PPP1R37
CTA-445C9	3.94E-11	-0.12978	0.004	0.061	5.88E-07 M2	CTA-445C9.14
ZNF582-AS	4.03E-11	-0.20754	0.015	0.081	6.02E-07 M2	ZNF582-AS1
ARSA.4	4.03E-11	0.294231	0.204	0.13	6.03E-07 M2	ARSA
MMP15.4	4.06E-11	-0.12781	0.008	0.067	6.07E-07 M2	MMP15
SEMA3E.2	4.10E-11	-0.12835	0.001	0.055	6.13E-07 M2	SEMA3E
MFAP4.3	4.12E-11	-0.20016	0.003	0.058	6.16E-07 M2	MFAP4
TMEM14B.1	4.15E-11	0.205433	0.567	0.523	6.20E-07 M2	TMEM14B
NAA16.3	4.21E-11	-0.15767	0.045	0.127	6.29E-07 M2	NAA16
SCIN.5	4.21E-11	0.136335	0.24	0.144	6.29E-07 M2	SCIN
DUSP2.5	4.25E-11	0.179322	0.184	0.105	6.35E-07 M2	DUSP2
PLCB2.5	4.25E-11	0.164676	0.116	0.057	6.35E-07 M2	PLCB2
HILPDA.4	4.26E-11	-0.33	0.124	0.234	6.36E-07 M2	HILPDA
SEPT3.4	4.27E-11	-0.17295	0.01	0.071	6.38E-07 M2	3-Sep
CREBZF.4	4.27E-11	-0.14043	0.051	0.137	6.39E-07 M2	CREBZF
KCNJ10.3	4.28E-11	-0.19915	0.001	0.055	6.40E-07 M2	KCNJ10
PQLC3.5	4.31E-11	0.327568	0.255	0.179	6.44E-07 M2	PQLC3
ZNF568.3	4.32E-11	-0.18853	0.029	0.103	6.46E-07 M2	ZNF568
SPIN2B.3	4.36E-11	-0.13886	0.034	0.111	6.52E-07 M2	SPIN2B
PABPC1L	4.37E-11	-0.10024	0.01	0.072	6.54E-07 M2	PABPC1L
RP11-390F	4.41E-11	-0.14507	0.052	0.139	6.58E-07 M2	RP11-390P2.4
CAPRIN2.3	4.41E-11	-0.10113	0.033	0.109	6.59E-07 M2	CAPRIN2
LDOC1L.4	4.43E-11	-0.10298	0.022	0.091	6.62E-07 M2	LDOC1L
TBCK.2	4.49E-11	-0.12053	0.018	0.085	6.71E-07 M2	TBCK
VRK3.4	4.52E-11	-0.14525	0.115	0.226	6.75E-07 M2	VRK3
DCUN1D5.1	4.55E-11	-0.14883	0.169	0.296	6.81E-07 M2	DCUN1D5
SMO.3	4.58E-11	-0.11118	0.001	0.055	6.85E-07 M2	SMO
LAYN.4	4.60E-11	-0.11451	0.004	0.06	6.88E-07 M2	LAYN
WDR48.3	4.63E-11	-0.18549	0.057	0.144	6.92E-07 M2	WDR48
MYT1L.5	4.63E-11	-0.21145	0.005	0.063	6.92E-07 M2	MYT1L
C12orf43.4	4.64E-11	-0.16324	0.07	0.163	6.94E-07 M2	C12orf43
MFI2.1	4.68E-11	0.21274	0.065	0.026	7.00E-07 M2	MFI2
TMEM145.3	4.80E-11	-0.16497	0.011	0.074	7.17E-07 M2	TMEM145
PRSS23.3	4.82E-11	-0.24904	0.017	0.082	7.21E-07 M2	PRSS23
AKAP11.4	4.83E-11	-0.14742	0.065	0.156	7.22E-07 M2	AKAP11
SMIM18.4	4.83E-11	-0.1916	0.006	0.065	7.22E-07 M2	SMIM18
ZMAT1.3	4.84E-11	-0.18712	0.027	0.099	7.23E-07 M2	ZMAT1
POLR1E.2	4.85E-11	-0.14575	0.038	0.117	7.25E-07 M2	POLR1E
PWP1.2	4.86E-11	-0.18193	0.183	0.311	7.26E-07 M2	PWP1
FOXK1.1	4.88E-11	-0.12003	0.049	0.133	7.29E-07 M2	FOXK1
CBX4.5	4.94E-11	-0.14925	0.041	0.12	7.38E-07 M2	CBX4
KCNJ16.4	4.98E-11	-0.12459	0.003	0.058	7.44E-07 M2	KCNJ16
C19orf52.4	4.99E-11	-0.1343	0.082	0.18	7.46E-07 M2	C19orf52



AIM1. 2	5. 00E-11	0. 107532	0. 077	0. 032	7. 48E-07 M2	AIM1
ODF2L. 2	5. 05E-11	-0. 17701	0. 084	0. 181	7. 55E-07 M2	ODF2L
SH3GL1. 2	5. 09E-11	-0. 14949	0. 14	0. 258	7. 60E-07 M2	SH3GL1
TRIAP1. 3	5. 10E-11	-0. 1741	0. 189	0. 322	7. 62E-07 M2	TRIAP1
RHBDF1. 2	5. 23E-11	-0. 10988	0. 001	0. 055	7. 81E-07 M2	RHBDF1
RRP1B. 4	5. 26E-11	-0. 12282	0. 069	0. 162	7. 86E-07 M2	RRP1B
UBL4A. 4	5. 31E-11	-0. 14417	0. 088	0. 189	7. 94E-07 M2	UBL4A
C19orf12. 5	5. 43E-11	-0. 15529	0. 06	0. 148	8. 11E-07 M2	C19orf12
ATP6VOA2. 5	5. 49E-11	-0. 15137	0. 028	0. 1	8. 20E-07 M2	ATP6VOA2
ASH2L. 2	5. 58E-11	-0. 20515	0. 087	0. 183	8. 33E-07 M2	ASH2L
DLEU1. 1	5. 58E-11	-0. 1238	0. 023	0. 093	8. 34E-07 M2	DLEU1
IKZF1. 5	5. 63E-11	0. 149258	0. 121	0. 061	8. 42E-07 M2	IKZF1
MVB12B. 4	5. 68E-11	-0. 16925	0. 031	0. 105	8. 50E-07 M2	MVB12B
CREB1. 3	5. 69E-11	-0. 13603	0. 133	0. 249	8. 51E-07 M2	CREB1
PLCE1. 3	5. 72E-11	-0. 13776	0. 009	0. 069	8. 55E-07 M2	PLCE1
DMPK. 2	5. 77E-11	-0. 11213	0. 009	0. 069	8. 62E-07 M2	DMPK
MED31. 2	5. 79E-11	-0. 1794	0. 115	0. 224	8. 65E-07 M2	MED31
LYRM9. 4	5. 83E-11	-0. 17768	0. 082	0. 179	8. 71E-07 M2	LYRM9
INO80E. 3	5. 85E-11	-0. 10624	0. 119	0. 233	8. 75E-07 M2	INO80E
GPATCH11. 5	5. 91E-11	-0. 17133	0. 057	0. 144	8. 84E-07 M2	GPATCH11
OPHN1. 3	5. 94E-11	-0. 17209	0. 013	0. 075	8. 88E-07 M2	OPHN1
TRIM69. 2	5. 96E-11	-0. 1138	0. 1	0. 205	8. 90E-07 M2	TRIM69
SMC6. 3	5. 97E-11	-0. 18425	0. 072	0. 163	8. 92E-07 M2	SMC6
HSD17B1. 2	5. 98E-11	-0. 10366	0. 004	0. 06	8. 94E-07 M2	HSD17B1
EFNA2. 3	6. 01E-11	-0. 12434	0. 001	0. 055	8. 99E-07 M2	EFNA2
THBS4. 3	6. 05E-11	-0. 12668	0. 001	0. 054	9. 04E-07 M2	THBS4
HNRNPD. 4	6. 09E-11	-0. 17078	0. 28	0. 424	9. 10E-07 M2	HNRNPD
FAM184A. 2	6. 09E-11	-0. 1218	0. 001	0. 055	9. 10E-07 M2	FAM184A
TLE3. 4	6. 11E-11	0. 30431	0. 208	0. 132	9. 13E-07 M2	TLE3
METTL21A. 6	6. 12E-11	-0. 14133	0. 089	0. 19	9. 14E-07 M2	METTL21A
ZNF649. 4	6. 23E-11	-0. 12884	0. 024	0. 094	9. 31E-07 M2	ZNF649
TMEM169. 3	6. 28E-11	-0. 13921	0. 005	0. 062	9. 39E-07 M2	TMEM169
ENPP4. 3	6. 29E-11	0. 17291	0. 105	0. 051	9. 41E-07 M2	ENPP4
NDUFV2. 3	6. 34E-11	0. 113911	0. 626	0. 589	9. 48E-07 M2	NDUFV2
GRWD1. 1	6. 40E-11	-0. 11797	0. 068	0. 161	9. 56E-07 M2	GRWD1
NDFIP1. 5	6. 40E-11	-0. 20223	0. 478	0. 61	9. 57E-07 M2	NDFIP1
TAF15. 3	6. 49E-11	-0. 14001	0. 156	0. 282	9. 70E-07 M2	TAF15
EIF3H. 3	6. 49E-11	0. 116274	0. 693	0. 667	9. 71E-07 M2	EIF3H
LGALS1. 3	6. 51E-11	-0. 11854	0. 008	0. 066	9. 74E-07 M2	LGALS1
LRCH3. 3	6. 55E-11	-0. 11465	0. 056	0. 144	9. 79E-07 M2	LRCH3
YEATS4. 3	6. 62E-11	-0. 24351	0. 148	0. 259	9. 89E-07 M2	YEATS4
TET2. 3	6. 62E-11	0. 264241	0. 148	0. 084	9. 90E-07 M2	TET2
ZFP37. 2	6. 76E-11	-0. 14161	0. 001	0. 054	1. 01E-06 M2	ZFP37
RMND5A. 2	6. 81E-11	-0. 18785	0. 047	0. 128	1. 02E-06 M2	RMND5A
PRKD1. 2	6. 82E-11	-0. 1075	0. 001	0. 054	1. 02E-06 M2	PRKD1
MTRNR2L1C	6. 83E-11	0. 28012	0. 133	0. 07	1. 02E-06 M2	MTRNR2L10
COQ4. 3	6. 94E-11	-0. 16375	0. 156	0. 275	1. 04E-06 M2	COQ4
LYRM2. 2	6. 98E-11	-0. 11442	0. 174	0. 303	1. 04E-06 M2	LYRM2
UNC119B. 2	7. 02E-11	-0. 10189	0. 008	0. 067	1. 05E-06 M2	UNC119B
PLEKHG1. 1	7. 03E-11	-0. 10185	0. 004	0. 059	1. 05E-06 M2	PLEKHG1
DNAJC19. 5	7. 11E-11	-0. 24475	0. 258	0. 398	1. 06E-06 M2	DNAJC19

YY1. 4	7. 14E-11	-0. 19659	0. 216	0. 349	1. 07E-06 M2	YY1
AARSD1. 2	7. 17E-11	-0. 14492	0. 034	0. 11	1. 07E-06 M2	AARSD1
CTNNA2. 3	7. 20E-11	-0. 17811	0. 005	0. 062	1. 08E-06 M2	CTNNA2
SCO1. 2	7. 24E-11	-0. 12443	0. 077	0. 172	1. 08E-06 M2	SCO1
RGAG4. 2	7. 26E-11	-0. 1128	0. 008	0. 066	1. 09E-06 M2	RGAG4
BRF1. 2	7. 33E-11	-0. 16119	0. 033	0. 108	1. 10E-06 M2	BRF1
MSX1. 3	7. 33E-11	-0. 1087	0. 009	0. 069	1. 10E-06 M2	MSX1
ZNF585A. 2	7. 35E-11	-0. 12718	0. 006	0. 064	1. 10E-06 M2	ZNF585A
TMEM231. 3	7. 35E-11	-0. 13432	0. 008	0. 066	1. 10E-06 M2	TMEM231
ZC3H14. 4	7. 37E-11	-0. 14944	0. 105	0. 21	1. 10E-06 M2	ZC3H14
UQCRC1. 2	7. 44E-11	0. 196907	0. 526	0. 485	1. 11E-06 M2	UQCRC1
EDARADD. 1	7. 64E-11	0. 263063	0. 064	0. 025	1. 14E-06 M2	EDARADD
CMC2. 1	7. 66E-11	-0. 18649	0. 186	0. 313	1. 14E-06 M2	CMC2
ST3GAL5. 2	7. 75E-11	-0. 23709	0. 1	0. 197	1. 16E-06 M2	ST3GAL5
FRMD5. 2	7. 85E-11	-0. 10724	0. 005	0. 061	1. 17E-06 M2	FRMD5
KTI12. 3	7. 91E-11	-0. 13726	0. 034	0. 11	1. 18E-06 M2	KTI12
POLR2I. 4	8. 00E-11	-0. 26269	0. 413	0. 563	1. 20E-06 M2	POLR2I
RNF26. 2	8. 08E-11	-0. 16128	0. 072	0. 164	1. 21E-06 M2	RNF26
GART. 2	8. 08E-11	-0. 13997	0. 102	0. 207	1. 21E-06 M2	GART
NHLRC3. 2	8. 08E-11	-0. 1929	0. 16	0. 278	1. 21E-06 M2	NHLRC3
VDAC2. 1	8. 09E-11	0. 147009	0. 668	0. 637	1. 21E-06 M2	VDAC2
CNOT2. 1	8. 24E-11	-0. 20411	0. 183	0. 306	1. 23E-06 M2	CNOT2
ZNF273. 4	8. 31E-11	-0. 19274	0. 022	0. 089	1. 24E-06 M2	ZNF273
HSBP1L1. 3	8. 33E-11	0. 234582	0. 13	0. 07	1. 24E-06 M2	HSBP1L1
RRAGB. 2	8. 34E-11	-0. 19775	0. 04	0. 116	1. 25E-06 M2	RRAGB
NADK2. 2	8. 45E-11	-0. 11227	0. 031	0. 104	1. 26E-06 M2	NADK2
LRRC37B. 3	8. 49E-11	-0. 11104	0. 04	0. 118	1. 27E-06 M2	LRRC37B
TMEM181. 5	8. 52E-11	-0. 1124	0. 074	0. 17	1. 27E-06 M2	TMEM181
ZFHx4-AS1	8. 53E-11	-0. 10117	0. 001	0. 054	1. 27E-06 M2	ZFHx4-AS1
NUDT8. 1	8. 54E-11	-0. 10841	0. 013	0. 075	1. 28E-06 M2	NUDT8
SCN3B. 3	8. 60E-11	-0. 21332	0. 014	0. 076	1. 29E-06 M2	SCN3B
CENPH. 3	8. 62E-11	-0. 14508	0. 05	0. 132	1. 29E-06 M2	CENPH
TOM1L1. 3	8. 77E-11	-0. 10707	0. 005	0. 061	1. 31E-06 M2	TOM1L1
HBS1L. 3	8. 78E-11	-0. 16882	0. 097	0. 198	1. 31E-06 M2	HBS1L
PTAR1. 3	8. 83E-11	-0. 1048	0. 056	0. 142	1. 32E-06 M2	PTAR1
MKRN1. 4	8. 88E-11	-0. 21167	0. 286	0. 417	1. 33E-06 M2	MKRN1
EIF2B1. 1	8. 94E-11	-0. 15582	0. 166	0. 291	1. 34E-06 M2	EIF2B1
SLC25A17. 8.	9. 99E-11	-0. 1343	0. 07	0. 163	1. 34E-06 M2	SLC25A17
FTX. 2	9. 00E-11	-0. 18184	0. 032	0. 105	1. 34E-06 M2	FTX
ARID4A. 1	9. 20E-11	-0. 19528	0. 166	0. 283	1. 37E-06 M2	ARID4A
TGS1. 1	9. 22E-11	-0. 17576	0. 074	0. 166	1. 38E-06 M2	TGS1
POLR3K. 1	9. 25E-11	-0. 20481	0. 121	0. 228	1. 38E-06 M2	POLR3K
CAP2. 2	9. 30E-11	-0. 16457	0. 005	0. 061	1. 39E-06 M2	CAP2
ZNF212. 2	9. 31E-11	-0. 15608	0. 011	0. 072	1. 39E-06 M2	ZNF212
FBXO22. 1	9. 34E-11	-0. 19452	0. 057	0. 144	1. 40E-06 M2	FBXO22
DNMT1. 4	9. 53E-11	-0. 15933	0. 171	0. 294	1. 42E-06 M2	DNMT1
RDH14. 2	9. 59E-11	-0. 16755	0. 095	0. 194	1. 43E-06 M2	RDH14
ORC6. 4	9. 68E-11	-0. 15612	0. 026	0. 096	1. 45E-06 M2	ORC6
PDE4A. 3	9. 73E-11	0. 298068	0. 148	0. 085	1. 45E-06 M2	PDE4A
RP13-1032	9. 82E-11	-0. 10128	0. 018	0. 084	1. 47E-06 M2	RP13-1032I1. 7
NSUN5. 1	9. 84E-11	-0. 1933	0. 123	0. 23	1. 47E-06 M2	NSUN5

C12orf75.	9.87E-11	-0.21061	0.1	0.2	1.47E-06	M2	C12orf75
FN3K.1	9.88E-11	-0.13153	0.02	0.088	1.48E-06	M2	FN3K
ROBO3	9.92E-11	-0.19863	0.043	0.122	1.48E-06	M2	ROBO3
OGG1.1	9.99E-11	-0.12528	0.065	0.156	1.49E-06	M2	OGG1
ZNF776.2	1.00E-10	-0.1519	0.006	0.063	1.50E-06	M2	ZNF776
ARHGAP23.	1.01E-10	-0.14706	0.003	0.056	1.51E-06	M2	ARHGAP23
NUDT10.2	1.02E-10	-0.14491	0.001	0.053	1.53E-06	M2	NUDT10
SLC16A9.3	1.04E-10	-0.11291	0	0.051	1.55E-06	M2	SLC16A9
PLOD1.1	1.04E-10	0.376122	0.258	0.186	1.55E-06	M2	PLOD1
BZW2.2	1.04E-10	-0.2209	0.165	0.278	1.56E-06	M2	BZW2
ABTB1.5	1.04E-10	0.208414	0.17	0.099	1.56E-06	M2	ABTB1
STRIP1.2	1.04E-10	-0.14203	0.049	0.13	1.56E-06	M2	STRIP1
ALYREF.5	1.04E-10	-0.10644	0.063	0.152	1.56E-06	M2	ALYREF
TP53BP1.2	1.05E-10	-0.11691	0.029	0.102	1.56E-06	M2	TP53BP1
BLVRA.4	1.05E-10	0.26145	0.41	0.334	1.57E-06	M2	BLVRA
RAB22A.4	1.07E-10	-0.18407	0.135	0.246	1.59E-06	M2	RAB22A
OMG.3	1.07E-10	-0.28723	0.019	0.084	1.60E-06	M2	OMG
SAP30L.4	1.08E-10	-0.13097	0.027	0.097	1.61E-06	M2	SAP30L
UBIAD1.1	1.08E-10	-0.17009	0.033	0.107	1.61E-06	M2	UBIAD1
THAP7.3	1.09E-10	-0.14829	0.111	0.216	1.63E-06	M2	THAP7
BTBD17.4	1.11E-10	-0.18776	0.003	0.055	1.66E-06	M2	BTBD17
DNAJC6.2	1.14E-10	-0.15597	0.003	0.056	1.70E-06	M2	DNAJC6
AMH.3	1.15E-10	-0.11613	0.005	0.061	1.71E-06	M2	AMH
SNX10.3	1.17E-10	0.289913	0.303	0.223	1.74E-06	M2	SNX10
ZKSCAN5.3	1.17E-10	-0.13527	0.01	0.07	1.74E-06	M2	ZKSCAN5
BTBD10.3	1.18E-10	-0.15441	0.089	0.188	1.76E-06	M2	BTBD10
LMNB2.5	1.18E-10	-0.12207	0.043	0.122	1.77E-06	M2	LMNB2
PTPRO.4	1.18E-10	0.168546	0.138	0.074	1.77E-06	M2	PTPRO
CHAMP1.3	1.18E-10	-0.11111	0.051	0.134	1.77E-06	M2	CHAMP1
ANKRD37.3	1.18E-10	0.348788	0.209	0.137	1.77E-06	M2	ANKRD37
USP13.3	1.19E-10	-0.11595	0.014	0.076	1.78E-06	M2	USP13
REV1.3	1.22E-10	-0.13346	0.079	0.174	1.82E-06	M2	REV1
NLN.3	1.22E-10	-0.13075	0.093	0.192	1.83E-06	M2	NLN
DLL1.3	1.22E-10	-0.23274	0.014	0.075	1.83E-06	M2	DLL1
CSTF2T.1	1.23E-10	-0.12748	0.046	0.127	1.84E-06	M2	CSTF2T
GLI4.3	1.24E-10	-0.14421	0.04	0.116	1.85E-06	M2	GLI4
ASIC1.3	1.24E-10	-0.1572	0.003	0.055	1.86E-06	M2	ASIC1
LARP1B.3	1.25E-10	-0.1469	0.046	0.125	1.86E-06	M2	LARP1B
CCNB1IP1.	1.25E-10	-0.14972	0.078	0.171	1.87E-06	M2	CCNB1IP1
ANKRD13B.	1.26E-10	-0.12746	0.001	0.053	1.88E-06	M2	ANKRD13B
CSPP1.3	1.26E-10	-0.12642	0.036	0.111	1.89E-06	M2	CSPP1
SNHG7.2	1.27E-10	-0.16199	0.218	0.355	1.89E-06	M2	SNHG7
GINS2.3	1.29E-10	-0.18312	0.032	0.104	1.93E-06	M2	GINS2
CACNG4.2	1.29E-10	-0.13395	0.001	0.053	1.93E-06	M2	CACNG4
IQCE.3	1.30E-10	-0.11426	0.045	0.124	1.94E-06	M2	IQCE
CASP6.4	1.32E-10	-0.15361	0.077	0.169	1.97E-06	M2	CASP6
CARF.3	1.33E-10	-0.10777	0.017	0.081	1.98E-06	M2	CARF
C15orf61.	1.33E-10	-0.10155	0.083	0.18	1.99E-06	M2	C15orf61
RNMTL1.3	1.33E-10	-0.13533	0.052	0.135	1.99E-06	M2	RNMTL1
MTURN.2	1.34E-10	-0.19539	0.019	0.083	2.00E-06	M2	MTURN
HNRNPL.3	1.34E-10	-0.12084	0.152	0.272	2.01E-06	M2	HNRNPL

AADAT. 2	1. 37E-10	-0. 11783	0. 003	0. 055	2. 05E-06 M2	AADAT
OPN3. 4	1. 37E-10	0. 226889	0. 126	0. 068	2. 05E-06 M2	OPN3
SHROOM2. 4	1. 39E-10	-0. 11379	0. 006	0. 063	2. 07E-06 M2	SHROOM2
PATZ1. 2	1. 39E-10	-0. 14038	0. 022	0. 088	2. 08E-06 M2	PATZ1
CRB1. 2	1. 40E-10	-0. 17896	0. 011	0. 071	2. 10E-06 M2	CRB1
FEN1. 3	1. 41E-10	-0. 21035	0. 059	0. 142	2. 11E-06 M2	FEN1
DDX27. 3	1. 42E-10	-0. 17606	0. 169	0. 29	2. 11E-06 M2	DDX27
RAB11B. 3	1. 42E-10	-0. 19271	0. 363	0. 514	2. 12E-06 M2	RAB11B
CEBPZ. 3	1. 44E-10	-0. 16088	0. 16	0. 279	2. 16E-06 M2	CEBPZ
C1QTNF4. 3	1. 46E-10	-0. 16516	0. 005	0. 06	2. 18E-06 M2	C1QTNF4
CITED2. 4	1. 46E-10	0. 254129	0. 429	0. 347	2. 18E-06 M2	CITED2
ODF2. 3	1. 46E-10	-0. 11881	0. 054	0. 138	2. 18E-06 M2	ODF2
RAB6A. 4	1. 46E-10	-0. 17456	0. 261	0. 403	2. 18E-06 M2	RAB6A
PRRT1. 2	1. 47E-10	-0. 13878	0. 003	0. 055	2. 20E-06 M2	PRRT1
ADAM23. 2	1. 47E-10	-0. 11313	0. 001	0. 052	2. 20E-06 M2	ADAM23
SDSL. 4	1. 48E-10	0. 329037	0. 255	0. 182	2. 20E-06 M2	SDSL
HMGCR. 3	1. 50E-10	-0. 11889	0. 038	0. 114	2. 24E-06 M2	HMGCR
SRP9. 3	1. 51E-10	-0. 22281	0. 563	0. 689	2. 25E-06 M2	SRP9
MAP2K3. 5	1. 52E-10	0. 31999	0. 258	0. 184	2. 27E-06 M2	MAP2K3
NAB2. 1	1. 52E-10	-0. 15527	0. 061	0. 147	2. 27E-06 M2	NAB2
ELP6. 3	1. 53E-10	-0. 18197	0. 116	0. 222	2. 29E-06 M2	ELP6
ANKRD26. 1	1. 53E-10	-0. 12347	0. 041	0. 119	2. 29E-06 M2	ANKRD26
LMBR1L. 4	1. 54E-10	-0. 20518	0. 096	0. 19	2. 30E-06 M2	LMBR1L
MCAT. 4	1. 54E-10	-0. 12322	0. 052	0. 134	2. 31E-06 M2	MCAT
BGN. 4	1. 55E-10	-0. 28698	0. 01	0. 069	2. 32E-06 M2	BGN
TMTC3. 1	1. 59E-10	-0. 1068	0. 026	0. 094	2. 37E-06 M2	TMTC3
XPOT. 4	1. 60E-10	-0. 13502	0. 079	0. 174	2. 39E-06 M2	XPOT
ARHGEF10. 1	1. 61E-10	-0. 19249	0. 013	0. 073	2. 40E-06 M2	ARHGEF10
TRIM28. 3	1. 61E-10	-0. 11738	0. 14	0. 257	2. 40E-06 M2	TRIM28
SUCO. 2	1. 61E-10	-0. 11024	0. 069	0. 16	2. 40E-06 M2	SUCO
ATG9A. 3	1. 62E-10	-0. 13698	0. 043	0. 122	2. 41E-06 M2	ATG9A
PSMG4. 3	1. 62E-10	-0. 12098	0. 101	0. 205	2. 42E-06 M2	PSMG4
CSK. 5	1. 62E-10	0. 289333	0. 217	0. 142	2. 43E-06 M2	CSK
MBNL1. 5	1. 63E-10	0. 307747	0. 295	0. 219	2. 43E-06 M2	MBNL1
UPF3B. 3	1. 64E-10	-0. 1684	0. 144	0. 259	2. 44E-06 M2	UPF3B
GATS. 2	1. 64E-10	-0. 15196	0. 009	0. 066	2. 45E-06 M2	GATS
BAG5. 3	1. 67E-10	-0. 14713	0. 093	0. 191	2. 50E-06 M2	BAG5
CEP97. 3	1. 68E-10	-0. 11677	0. 017	0. 08	2. 50E-06 M2	CEP97
HINT3. 3	1. 68E-10	-0. 15663	0. 105	0. 205	2. 51E-06 M2	HINT3
CTC-459F4. 1	1. 68E-10	-0. 15401	0. 01	0. 069	2. 52E-06 M2	CTC-459F4. 3
PIK3R1. 3	1. 70E-10	-0. 23005	0. 198	0. 315	2. 53E-06 M2	PIK3R1
CEP41. 1	1. 71E-10	-0. 1488	0. 068	0. 157	2. 55E-06 M2	CEP41
SLC26A11. 1	1. 71E-10	-0. 13375	0. 036	0. 11	2. 56E-06 M2	SLC26A11
RANBP6. 2	1. 73E-10	-0. 16381	0. 013	0. 073	2. 58E-06 M2	RANBP6
RNF182. 3	1. 75E-10	-0. 1316	0. 001	0. 052	2. 61E-06 M2	RNF182
ANP32B. 5	1. 78E-10	0. 22102	0. 498	0. 446	2. 66E-06 M2	ANP32B
PDE4D. 2	1. 83E-10	-0. 11924	0. 031	0. 103	2. 73E-06 M2	PDE4D
RITA1. 3	1. 83E-10	-0. 1506	0. 055	0. 137	2. 74E-06 M2	RITA1
MRI1. 2	1. 84E-10	-0. 1317	0. 04	0. 115	2. 75E-06 M2	MRI1
ICAM3. 4	1. 86E-10	-0. 17808	0. 033	0. 106	2. 78E-06 M2	ICAM3
ZSCAN32. 2	1. 86E-10	-0. 12091	0. 011	0. 071	2. 78E-06 M2	ZSCAN32

RB1CC1.3	1.86E-10	-0.17819	0.167	0.284	2.79E-06 M2	RB1CC1
WDR1.3	1.87E-10	0.229971	0.466	0.411	2.79E-06 M2	WDR1
THOC2	1.87E-10	-0.18068	0.188	0.312	2.79E-06 M2	THOC2
ZNF136.3	1.87E-10	-0.16782	0.031	0.102	2.79E-06 M2	ZNF136
SYNE1.2	1.87E-10	-0.15485	0.049	0.128	2.80E-06 M2	SYNE1
BLOC1S4.5	1.88E-10	-0.12772	0.135	0.251	2.81E-06 M2	BLOC1S4
ZNHIT2.2	1.90E-10	-0.143	0.023	0.089	2.83E-06 M2	ZNHIT2
GEMIN2.1	1.90E-10	-0.14106	0.04	0.116	2.84E-06 M2	GEMIN2
MIA3.2	1.90E-10	-0.16388	0.114	0.216	2.84E-06 M2	MIA3
TUBB.3	1.92E-10	-0.2162	0.733	0.773	2.86E-06 M2	TUBB
ALDH3A2.3	1.93E-10	-0.16459	0.13	0.239	2.89E-06 M2	ALDH3A2
RP11-119E	1.93E-10	-0.12169	0.008	0.064	2.89E-06 M2	RP11-119B16.2
UCKL1.2	1.94E-10	-0.1495	0.074	0.164	2.90E-06 M2	UCKL1
NDRG3.4	1.94E-10	-0.1201	0.087	0.184	2.90E-06 M2	NDRG3
CANX.1	1.96E-10	0.129794	0.607	0.571	2.93E-06 M2	CANX
ZNF74.2	1.97E-10	-0.13271	0.006	0.061	2.95E-06 M2	ZNF74
GALNT6.1	1.99E-10	0.176884	0.066	0.027	2.98E-06 M2	GALNT6
SLC38A6.2	2.00E-10	0.308005	0.16	0.095	2.99E-06 M2	SLC38A6
NMRK1.3	2.00E-10	0.235482	0.211	0.134	2.99E-06 M2	NMRK1
TTI1.2	2.00E-10	-0.13211	0.031	0.102	2.99E-06 M2	TTI1
APH1B.3	2.00E-10	0.306252	0.193	0.123	2.99E-06 M2	APH1B
ZMYND8.4	2.01E-10	-0.14336	0.11	0.214	3.00E-06 M2	ZMYND8
CPNE5.3	2.04E-10	-0.10695	0.003	0.054	3.05E-06 M2	CPNE5
RBM27.3	2.04E-10	-0.14592	0.125	0.233	3.05E-06 M2	RBM27
ANK3.4	2.04E-10	-0.18966	0.008	0.064	3.05E-06 M2	ANK3
C21orf58.	2.07E-10	-0.1356	0.004	0.057	3.09E-06 M2	C21orf58
C1QBP.3	2.08E-10	-0.19717	0.432	0.563	3.11E-06 M2	C1QBP
PMPCB.2	2.11E-10	-0.2068	0.221	0.352	3.15E-06 M2	PMPCB
ZNF71.3	2.14E-10	-0.15451	0.023	0.089	3.20E-06 M2	ZNF71
DBT.1	2.15E-10	-0.15788	0.033	0.105	3.22E-06 M2	DBT
ZNF880.1	2.16E-10	-0.12071	0.064	0.151	3.22E-06 M2	ZNF880
CNOT10.1	2.16E-10	-0.16383	0.049	0.128	3.23E-06 M2	CNOT10
MED24.4	2.21E-10	-0.1487	0.082	0.175	3.31E-06 M2	MED24
KANSL1.3	2.23E-10	-0.10205	0.078	0.172	3.34E-06 M2	KANSL1
BCS1L.3	2.24E-10	-0.13717	0.079	0.172	3.35E-06 M2	BCS1L
TEFM.1	2.25E-10	-0.17145	0.042	0.118	3.36E-06 M2	TEFM
ITM2A.4	2.25E-10	-0.2557	0.005	0.059	3.36E-06 M2	ITM2A
ARIH2.1	2.26E-10	-0.16104	0.144	0.258	3.37E-06 M2	ARIH2
RBM14.2	2.26E-10	-0.11537	0.098	0.198	3.38E-06 M2	RBM14
ZMAT3.2	2.27E-10	-0.18902	0.109	0.209	3.40E-06 M2	ZMAT3
GMCL1.3	2.28E-10	-0.1519	0.075	0.164	3.41E-06 M2	GMCL1
USP39.2	2.28E-10	-0.11559	0.093	0.191	3.41E-06 M2	USP39
FILIP1L.5	2.29E-10	0.277508	0.218	0.144	3.42E-06 M2	FILIP1L
ARVCF.3	2.30E-10	-0.12309	0.005	0.059	3.44E-06 M2	ARVCF
PAQR3.3	2.34E-10	-0.12129	0.018	0.081	3.50E-06 M2	PAQR3
ATXN2.3	2.35E-10	-0.14139	0.121	0.229	3.51E-06 M2	ATXN2
HSPA4L.3	2.38E-10	-0.15001	0.015	0.077	3.55E-06 M2	HSPA4L
ADD3.2	2.42E-10	-0.20606	0.056	0.138	3.61E-06 M2	ADD3
ZCCHC24.3	2.42E-10	-0.19928	0.033	0.104	3.62E-06 M2	ZCCHC24
RP11-115C	2.44E-10	-0.1248	0.023	0.09	3.65E-06 M2	RP11-115C21.2
ARHGAP32.	2.46E-10	-0.14636	0.023	0.089	3.67E-06 M2	ARHGAP32

TBRG4. 3	2. 47E-10	-0. 15959	0. 135	0. 245	3. 68E-06 M2	TBRG4
CTH. 2	2. 47E-10	-0. 11162	0. 005	0. 059	3. 70E-06 M2	CTH
XPR1. 3	2. 48E-10	-0. 10253	0. 05	0. 131	3. 70E-06 M2	XPR1
DNAJC30. 3	2. 48E-10	-0. 14783	0. 072	0. 16	3. 71E-06 M2	DNAJC30
ZNF32. 2	2. 51E-10	-0. 14312	0. 123	0. 23	3. 75E-06 M2	ZNF32
LGALS8. 3	2. 52E-10	0. 312565	0. 218	0. 147	3. 76E-06 M2	LGALS8
VCAM1. 3	2. 52E-10	-0. 25919	0. 015	0. 076	3. 77E-06 M2	VCAM1
PRKCA. 3	2. 55E-10	-0. 14224	0. 105	0. 205	3. 81E-06 M2	PRKCA
ACOT8. 1	2. 56E-10	-0. 14186	0. 109	0. 213	3. 82E-06 M2	ACOT8
ITFG1. 3	2. 56E-10	-0. 16822	0. 225	0. 357	3. 83E-06 M2	ITFG1
MUT. 4	2. 57E-10	-0. 11863	0. 073	0. 163	3. 83E-06 M2	MUT
NUB1. 1	2. 57E-10	-0. 16773	0. 148	0. 261	3. 84E-06 M2	NUB1
SDC1. 2	2. 59E-10	-0. 1079	0. 001	0. 051	3. 86E-06 M2	SDC1
RNF20. 2	2. 64E-10	-0. 14221	0. 068	0. 154	3. 94E-06 M2	RNF20
IL12RB1. 4	2. 64E-10	0. 152958	0. 069	0. 028	3. 95E-06 M2	IL12RB1
STX2. 4	2. 69E-10	-0. 13008	0. 038	0. 113	4. 02E-06 M2	STX2
PLBD2. 3	2. 69E-10	0. 25432	0. 106	0. 054	4. 02E-06 M2	PLBD2
CCDC8. 2	2. 71E-10	-0. 11014	0. 001	0. 051	4. 05E-06 M2	CCDC8
FAM169A. 2	2. 72E-10	-0. 12787	0. 001	0. 051	4. 06E-06 M2	FAM169A
MANSC1. 2	2. 74E-10	-0. 11585	0. 006	0. 061	4. 09E-06 M2	MANSC1
NPRL2. 3	2. 74E-10	-0. 14505	0. 074	0. 164	4. 10E-06 M2	NPRL2
EFNB1. 2	2. 75E-10	-0. 15526	0. 031	0. 1	4. 11E-06 M2	EFNB1
CBWD5. 2	2. 77E-10	-0. 18011	0. 049	0. 127	4. 14E-06 M2	CBWD5
KIAA1456	2. 78E-10	-0. 10088	0. 001	0. 051	4. 15E-06 M2	KIAA1456
NDUFAF4. 3	2. 81E-10	-0. 17722	0. 121	0. 228	4. 20E-06 M2	NDUFAF4
SRRM2. 2	2. 84E-10	-0. 1835	0. 396	0. 542	4. 25E-06 M2	SRRM2
ZNF669. 2	2. 86E-10	-0. 15862	0. 031	0. 1	4. 28E-06 M2	ZNF669
ZNF268. 3	2. 92E-10	-0. 13187	0. 045	0. 122	4. 37E-06 M2	ZNF268
ASB16-AS1	2. 94E-10	-0. 12288	0. 028	0. 097	4. 40E-06 M2	ASB16-AS1
KLHL9. 3	2. 94E-10	-0. 14015	0. 04	0. 114	4. 40E-06 M2	KLHL9
TIMP4. 3	2. 97E-10	-0. 31087	0. 034	0. 105	4. 44E-06 M2	TIMP4
TMOD2. 3	2. 99E-10	-0. 16979	0. 041	0. 115	4. 46E-06 M2	TMOD2
ZNF853. 3	2. 99E-10	-0. 10723	0. 001	0. 051	4. 47E-06 M2	ZNF853
CDCA3. 4	3. 04E-10	-0. 18153	0. 004	0. 056	4. 54E-06 M2	CDCA3
DBI. 5	3. 04E-10	-0. 28256	0. 857	0. 842	4. 55E-06 M2	DBI
BLMH. 2	3. 04E-10	-0. 14729	0. 087	0. 182	4. 55E-06 M2	BLMH
ARF6. 5	3. 07E-10	0. 270821	0. 405	0. 339	4. 59E-06 M2	ARF6
PI4K2A. 4	3. 15E-10	0. 253501	0. 116	0. 061	4. 71E-06 M2	PI4K2A
COG8. 2	3. 16E-10	-0. 14454	0. 028	0. 096	4. 72E-06 M2	COG8
TRIM23. 2	3. 17E-10	-0. 14396	0. 02	0. 084	4. 74E-06 M2	TRIM23
PCDH8. 1	3. 20E-10	-0. 12443	0. 001	0. 051	4. 79E-06 M2	PCDH8
FAM104A. 3	3. 24E-10	-0. 1489	0. 137	0. 247	4. 85E-06 M2	FAM104A
SMARCB1. 4	3. 29E-10	-0. 16119	0. 286	0. 423	4. 91E-06 M2	SMARCB1
MRGBP. 3	3. 30E-10	-0. 1056	0. 065	0. 153	4. 93E-06 M2	MRGBP
URGCP. 2	3. 35E-10	-0. 16851	0. 045	0. 121	5. 00E-06 M2	URGCP
CCDC126. 2	3. 36E-10	-0. 17294	0. 045	0. 121	5. 02E-06 M2	CCDC126
DVL3. 3	3. 37E-10	-0. 13993	0. 072	0. 159	5. 04E-06 M2	DVL3
FGFR2. 3	3. 37E-10	-0. 21087	0. 001	0. 051	5. 04E-06 M2	FGFR2
MIR22HG. 4	3. 48E-10	0. 268144	0. 176	0. 109	5. 20E-06 M2	MIR22HG
FBXL12	3. 49E-10	-0. 15652	0. 072	0. 16	5. 22E-06 M2	FBXL12
KANK1. 3	3. 50E-10	-0. 15444	0. 028	0. 097	5. 22E-06 M2	KANK1

FAM19A5.2	3.51E-10	-0.13976	0.001	0.051	5.24E-06	M2	FAM19A5
UGT8.4	3.52E-10	-0.25532	0.003	0.053	5.26E-06	M2	UGT8
HAP1.2	3.55E-10	-0.11197	0.013	0.072	5.30E-06	M2	HAP1
RAF1.5	3.60E-10	-0.13506	0.165	0.285	5.38E-06	M2	RAF1
DUOX1.5	3.61E-10	-0.14135	0.01	0.067	5.39E-06	M2	DUOX1
REC8.3	3.67E-10	-0.1731	0.019	0.081	5.48E-06	M2	REC8
CYR61.3	3.68E-10	-0.32515	0.086	0.174	5.50E-06	M2	CYR61
FERMT1.3	3.69E-10	-0.18264	0.003	0.053	5.52E-06	M2	FERMT1
LPIN1.2	3.71E-10	-0.14637	0.06	0.142	5.54E-06	M2	LPIN1
PITHD1.4	3.77E-10	-0.18825	0.226	0.355	5.63E-06	M2	PITHD1
GIMAP6.3	3.79E-10	0.127114	0.087	0.04	5.66E-06	M2	GIMAP6
EFCAB7.2	3.79E-10	-0.13665	0.014	0.073	5.67E-06	M2	EFCAB7
DPEP2.4	3.80E-10	0.117402	0.073	0.031	5.67E-06	M2	DPEP2
ZFYVE21.4	3.80E-10	-0.19013	0.16	0.274	5.69E-06	M2	ZFYVE21
ADAM22.4	3.81E-10	-0.15073	0.01	0.067	5.69E-06	M2	ADAM22
ZNF454.3	3.83E-10	-0.11532	0.001	0.05	5.72E-06	M2	ZNF454
NCEH1.3	3.83E-10	0.235629	0.12	0.064	5.73E-06	M2	NCEH1
DCAF7.3	3.89E-10	-0.16017	0.202	0.329	5.81E-06	M2	DCAF7
ARHGEF4.2	3.92E-10	-0.13126	0.005	0.058	5.86E-06	M2	ARHGEF4
BMI1.3	3.93E-10	-0.12686	0.061	0.145	5.88E-06	M2	BMI1
ZNF562.3	3.99E-10	-0.15007	0.063	0.147	5.96E-06	M2	ZNF562
CCNI.3	3.99E-10	-0.16627	0.644	0.71	5.97E-06	M2	CCNI
CDC42EP3.4	4.11E-10	-0.17875	0.051	0.129	6.14E-06	M2	CDC42EP3
RGS16.4	4.12E-10	-0.27487	0.171	0.283	6.15E-06	M2	RGS16
EXOC5.2	4.13E-10	-0.16624	0.092	0.186	6.17E-06	M2	EXOC5
ARHGAP5.2	4.13E-10	-0.13407	0.1	0.201	6.18E-06	M2	ARHGAP5
TXNDC17.4	4.17E-10	0.164673	0.581	0.521	6.23E-06	M2	TXNDC17
CERCAM.3	4.17E-10	-0.13385	0.054	0.135	6.23E-06	M2	CERCAM
SPRTN.2	4.19E-10	-0.11176	0.051	0.131	6.26E-06	M2	SPRTN
DHX57.2	4.22E-10	-0.12272	0.031	0.1	6.31E-06	M2	DHX57
STARD7.2	4.27E-10	-0.15887	0.198	0.325	6.38E-06	M2	STARD7
SFSWAP.4	4.28E-10	-0.12716	0.088	0.183	6.40E-06	M2	SFSWAP
POLDIP2.5	4.29E-10	-0.17405	0.231	0.355	6.40E-06	M2	POLDIP2
LSG1.3	4.35E-10	-0.1475	0.054	0.133	6.50E-06	M2	LSG1
SPDL1.2	4.37E-10	-0.11499	0.011	0.069	6.52E-06	M2	SPDL1
AP3M2.3	4.38E-10	-0.11393	0.028	0.096	6.54E-06	M2	AP3M2
MACF1.3	4.38E-10	-0.17722	0.208	0.33	6.55E-06	M2	MACF1
PSMD2.2	4.40E-10	-0.16883	0.319	0.471	6.58E-06	M2	PSMD2
ARV1.4	4.41E-10	-0.17871	0.091	0.185	6.59E-06	M2	ARV1
MMP24-AS1	4.43E-10	0.281232	0.375	0.307	6.62E-06	M2	MMP24-AS1
AAK1.3	4.43E-10	-0.15721	0.169	0.284	6.62E-06	M2	AAK1
TMEM168.2	4.48E-10	-0.17822	0.042	0.116	6.70E-06	M2	TMEM168
MKRN3.2	4.57E-10	-0.14076	0	0.047	6.83E-06	M2	MKRN3
CAST.4	4.58E-10	0.253305	0.381	0.314	6.84E-06	M2	CAST
CES2.3	4.59E-10	-0.13954	0.095	0.19	6.85E-06	M2	CES2
RAB23.1	4.60E-10	-0.10179	0.003	0.053	6.87E-06	M2	RAB23
MYADM.4	4.64E-10	0.260316	0.262	0.188	6.94E-06	M2	MYADM
DMAP1.3	4.67E-10	-0.15898	0.146	0.258	6.99E-06	M2	DMAP1
ISOC1.2	4.68E-10	-0.17539	0.08	0.17	6.99E-06	M2	ISOC1
KIAA0355.4	4.72E-10	-0.13767	0.07	0.158	7.05E-06	M2	KIAA0355
RNF19B.2	4.72E-10	0.211932	0.098	0.049	7.05E-06	M2	RNF19B

INTU. 1	4. 74E-10	-0. 13417	0. 014	0. 073	7. 08E-06 M2	INTU
ARRB1. 4	4. 75E-10	0. 206199	0. 084	0. 038	7. 10E-06 M2	ARRB1
GLO1. 3	4. 78E-10	-0. 18426	0. 277	0. 42	7. 15E-06 M2	GLO1
HSD17B14. 4	4. 80E-10	0. 213955	0. 153	0. 088	7. 17E-06 M2	HSD17B14
TAF1A. 1	4. 87E-10	-0. 1522	0. 006	0. 06	7. 28E-06 M2	TAF1A
HINFP. 1	4. 88E-10	-0. 11475	0. 029	0. 097	7. 29E-06 M2	HINFP
CCZ1B. 4	4. 90E-10	-0. 12655	0. 07	0. 157	7. 32E-06 M2	CCZ1B
TUBG2. 4	4. 90E-10	-0. 15331	0. 041	0. 115	7. 32E-06 M2	TUBG2
FDX1L. 3	4. 90E-10	-0. 14319	0. 151	0. 267	7. 33E-06 M2	FDX1L
CCBL1	4. 91E-10	-0. 14755	0. 005	0. 057	7. 34E-06 M2	CCBL1
THAP3. 4	4. 95E-10	-0. 14766	0. 057	0. 14	7. 39E-06 M2	THAP3
ERBB2. 1	4. 99E-10	-0. 11357	0. 008	0. 062	7. 46E-06 M2	ERBB2
DENND2D. 2	5. 03E-10	0. 132419	0. 089	0. 042	7. 52E-06 M2	DENND2D
SAPCD2. 4	5. 06E-10	-0. 13443	0. 006	0. 06	7. 57E-06 M2	SAPCD2
SLC25A1. 4	5. 09E-10	-0. 12913	0. 102	0. 201	7. 61E-06 M2	SLC25A1
TARBP1. 2	5. 11E-10	-0. 13354	0. 015	0. 075	7. 63E-06 M2	TARBP1
ANKMY2. 2	5. 12E-10	-0. 17608	0. 047	0. 123	7. 66E-06 M2	ANKMY2
SLC25A42. 5	5. 13E-10	-0. 11805	0. 003	0. 052	7. 66E-06 M2	SLC25A42
TMEM186. 4	5. 23E-10	-0. 14604	0. 032	0. 101	7. 81E-06 M2	TMEM186
BAD. 3	5. 25E-10	-0. 1911	0. 284	0. 427	7. 84E-06 M2	BAD
ALDH5A1. 1	5. 28E-10	-0. 10193	0. 006	0. 059	7. 89E-06 M2	ALDH5A1
DNPB1. 2	5. 29E-10	0. 244276	0. 434	0. 373	7. 90E-06 M2	DNPB1
WDR47. 2	5. 31E-10	-0. 13765	0. 037	0. 109	7. 94E-06 M2	WDR47
TTLL1. 2	5. 32E-10	-0. 14158	0. 028	0. 095	7. 96E-06 M2	TTLL1
NME5. 3	5. 33E-10	-0. 1172	0. 003	0. 052	7. 96E-06 M2	NME5
DACT3. 3	5. 33E-10	-0. 15177	0. 019	0. 081	7. 97E-06 M2	DACT3
HAUS5. 1	5. 43E-10	-0. 13276	0. 011	0. 068	8. 12E-06 M2	HAUS5
PDK2. 2	5. 46E-10	-0. 12461	0. 079	0. 17	8. 15E-06 M2	PDK2
RIC8B. 3	5. 48E-10	-0. 1266	0. 029	0. 097	8. 19E-06 M2	RIC8B
CRIP1. 1	5. 54E-10	-0. 16475	0. 203	0. 335	8. 28E-06 M2	CRIP1
ZNF211. 2	5. 58E-10	-0. 17056	0. 013	0. 07	8. 33E-06 M2	ZNF211
FBXL16. 2	5. 58E-10	-0. 11266	0	0. 047	8. 34E-06 M2	FBXL16
CHRNA9. 2	5. 65E-10	-0. 115	0. 003	0. 052	8. 44E-06 M2	CHRNA9
TOPBP1. 3	5. 65E-10	-0. 11632	0. 029	0. 097	8. 45E-06 M2	TOPBP1
ACTL6A. 3	5. 68E-10	-0. 14145	0. 152	0. 265	8. 49E-06 M2	ACTL6A
RRP15. 2	5. 70E-10	-0. 15072	0. 123	0. 227	8. 52E-06 M2	RRP15
ZNF140. 2	5. 73E-10	-0. 15558	0. 04	0. 112	8. 57E-06 M2	ZNF140
MAGI3. 1	5. 83E-10	-0. 11587	0. 006	0. 059	8. 72E-06 M2	MAGI3
GPR137C. 2	5. 93E-10	-0. 11371	0. 003	0. 052	8. 86E-06 M2	GPR137C
GJA1. 2	5. 96E-10	-0. 21311	0. 02	0. 083	8. 90E-06 M2	GJA1
LSS. 4	5. 99E-10	-0. 12519	0. 033	0. 103	8. 95E-06 M2	LSS
SCRIB. 2	6. 14E-10	-0. 11449	0. 028	0. 095	9. 18E-06 M2	SCRIB
SRPK1. 3	6. 20E-10	-0. 14295	0. 082	0. 172	9. 27E-06 M2	SRPK1
ST7. 1	6. 21E-10	-0. 1294	0. 038	0. 111	9. 28E-06 M2	ST7
MLF2. 5	6. 28E-10	-0. 21664	0. 496	0. 617	9. 38E-06 M2	MLF2
TUBA1B. 3	6. 33E-10	-0. 20805	0. 875	0. 897	9. 46E-06 M2	TUBA1B
BCLAF1. 3	6. 34E-10	-0. 18437	0. 259	0. 394	9. 47E-06 M2	BCLAF1
GGCT. 4	6. 36E-10	-0. 22653	0. 261	0. 395	9. 51E-06 M2	GGCT
FAF1. 1	6. 55E-10	-0. 128	0. 08	0. 171	9. 78E-06 M2	FAF1
CDK17. 3	6. 55E-10	-0. 13483	0. 046	0. 121	9. 79E-06 M2	CDK17
FNBP4. 2	6. 57E-10	-0. 12795	0. 146	0. 259	9. 82E-06 M2	FNBP4



RABL2A. 2	6. 64E-10	-0. 15415	0. 019	0. 08	9. 92E-06	M2	RABL2A
SORBS2. 3	6. 71E-10	-0. 175	0. 004	0. 054	1. 00E-05	M2	SORBS2
SLC25A25. 6	8. 9E-10	-0. 11875	0. 08	0. 171	1. 03E-05	M2	SLC25A25
CLDN10. 3	6. 91E-10	-0. 28504	0. 006	0. 059	1. 03E-05	M2	CLDN10
CA8. 4	6. 93E-10	-0. 20991	0. 006	0. 058	1. 04E-05	M2	CA8
ZNF324. 3	6. 97E-10	-0. 14271	0. 023	0. 086	1. 04E-05	M2	ZNF324
CCDC51. 1	7. 02E-10	-0. 13017	0. 034	0. 105	1. 05E-05	M2	CCDC51
HRASLS. 3	7. 05E-10	-0. 11291	0. 003	0. 051	1. 05E-05	M2	HRASLS
STK17A. 4	7. 13E-10	-0. 19876	0. 185	0. 301	1. 06E-05	M2	STK17A
PDCD2. 4	7. 14E-10	-0. 16286	0. 184	0. 302	1. 07E-05	M2	PDCD2
RCOR2. 3	7. 17E-10	-0. 14101	0. 001	0. 049	1. 07E-05	M2	RCOR2
TECPR1. 3	7. 23E-10	-0. 12917	0. 049	0. 125	1. 08E-05	M2	TECPR1
FBXW9. 2	7. 24E-10	-0. 1012	0. 042	0. 117	1. 08E-05	M2	FBXW9
ZNF800. 2	7. 34E-10	-0. 13479	0. 093	0. 188	1. 10E-05	M2	ZNF800
LTBP1. 3	7. 44E-10	-0. 1055	0. 004	0. 054	1. 11E-05	M2	LTBP1
RRP8. 1	7. 48E-10	-0. 12744	0. 054	0. 132	1. 12E-05	M2	RRP8
CDIP1. 1	7. 54E-10	-0. 13734	0. 098	0. 193	1. 13E-05	M2	CDIP1
CLHC1. 2	7. 54E-10	-0. 13449	0. 014	0. 072	1. 13E-05	M2	CLHC1
DHRS7B. 1	7. 56E-10	-0. 14897	0. 097	0. 193	1. 13E-05	M2	DHRS7B
TNR. 4	7. 82E-10	-0. 20701	0. 006	0. 058	1. 17E-05	M2	TNR
GSK3B. 3	7. 90E-10	-0. 16156	0. 109	0. 204	1. 18E-05	M2	GSK3B
SIAE. 3	7. 91E-10	-0. 14495	0. 028	0. 094	1. 18E-05	M2	SIAE
IFRD1. 4	7. 95E-10	-0. 19372	0. 349	0. 497	1. 19E-05	M2	IFRD1
ADRB2. 3	8. 00E-10	0. 149573	0. 091	0. 043	1. 20E-05	M2	ADRB2
SDF2. 2	8. 04E-10	-0. 14779	0. 229	0. 366	1. 20E-05	M2	SDF2
KLHL22. 2	8. 07E-10	-0. 13533	0. 027	0. 092	1. 21E-05	M2	KLHL22
TMEM38A. 3	8. 18E-10	-0. 13892	0. 004	0. 054	1. 22E-05	M2	TMEM38A
ARPP19. 3	8. 18E-10	-0. 18462	0. 291	0. 435	1. 22E-05	M2	ARPP19
HAT1	8. 20E-10	-0. 21044	0. 188	0. 304	1. 23E-05	M2	HAT1
TUBE1. 2	8. 38E-10	-0. 14619	0. 031	0. 098	1. 25E-05	M2	TUBE1
BOLA1. 3	8. 48E-10	-0. 14877	0. 07	0. 157	1. 27E-05	M2	BOLA1
DENND6B. 5	8. 48E-10	0. 26572	0. 162	0. 098	1. 27E-05	M2	DENND6B
SNRNP200. 8	4. 9E-10	-0. 12309	0. 172	0. 292	1. 27E-05	M2	SNRNP200
RP11-195F	8. 53E-10	-0. 19472	0. 029	0. 095	1. 27E-05	M2	RP11-195F19. 5
MIS12. 3	8. 53E-10	-0. 11972	0. 064	0. 147	1. 27E-05	M2	MIS12
PDK3. 3	8. 59E-10	0. 22164	0. 109	0. 057	1. 28E-05	M2	PDK3
DHX30. 3	8. 61E-10	-0. 10238	0. 149	0. 265	1. 29E-05	M2	DHX30
NVL. 3	8. 67E-10	-0. 14788	0. 041	0. 113	1. 30E-05	M2	NVL
ARPP21. 3	8. 88E-10	-0. 14757	0. 004	0. 053	1. 33E-05	M2	ARPP21
HS2ST1. 4	8. 90E-10	-0. 12432	0. 088	0. 181	1. 33E-05	M2	HS2ST1
GCDH. 1	8. 92E-10	-0. 14371	0. 106	0. 204	1. 33E-05	M2	GCDH
MLKL. 2	8. 97E-10	0. 144673	0. 063	0. 025	1. 34E-05	M2	MLKL
AZGP1. 3	9. 02E-10	-0. 26076	0. 008	0. 06	1. 35E-05	M2	AZGP1
SGIP1. 2	9. 07E-10	-0. 17857	0. 004	0. 053	1. 36E-05	M2	SGIP1
GTPBP3. 2	9. 09E-10	-0. 13585	0. 043	0. 117	1. 36E-05	M2	GTPBP3
AUP1. 3	9. 12E-10	0. 216194	0. 55	0. 52	1. 36E-05	M2	AUP1
CARS2	9. 18E-10	-0. 12493	0. 059	0. 139	1. 37E-05	M2	CARS2
ZNF514. 3	9. 20E-10	-0. 13054	0. 024	0. 088	1. 37E-05	M2	ZNF514
RAD9A	9. 28E-10	-0. 13608	0. 06	0. 14	1. 39E-05	M2	RAD9A
ZNF232. 3	9. 34E-10	-0. 11144	0. 022	0. 084	1. 40E-05	M2	ZNF232
RAB2A. 2	9. 42E-10	-0. 21003	0. 465	0. 6	1. 41E-05	M2	RAB2A

VPS37B. 4	9. 43E-10	-0. 12464	0. 148	0. 262	1. 41E-05 M2	VPS37B
ABHD17A. 4	9. 44E-10	-0. 15531	0. 137	0. 242	1. 41E-05 M2	ABHD17A
OXNAD1	9. 55E-10	-0. 16463	0. 015	0. 073	1. 43E-05 M2	OXNAD1
R3HDM1. 2	9. 56E-10	-0. 10695	0. 054	0. 132	1. 43E-05 M2	R3HDM1
MID1. 2	9. 57E-10	-0. 13493	0. 004	0. 053	1. 43E-05 M2	MID1
RBBP5	9. 70E-10	-0. 13637	0. 054	0. 132	1. 45E-05 M2	RBBP5
PLEKHM2	9. 73E-10	0. 282391	0. 16	0. 098	1. 45E-05 M2	PLEKHM2
CPM. 4	9. 86E-10	0. 143719	0. 331	0. 228	1. 47E-05 M2	CPM
GFPT2. 2	9. 97E-10	-0. 13724	0. 005	0. 056	1. 49E-05 M2	GFPT2
ATPAF1. 5	9. 99E-10	-0. 16047	0. 14	0. 247	1. 49E-05 M2	ATPAF1
MAST4. 2	1. 00E-09	-0. 16248	0. 005	0. 055	1. 49E-05 M2	MAST4
PDE6G. 1	1. 00E-09	0. 116212	0. 036	0. 011	1. 50E-05 M2	PDE6G
MBD1. 1	1. 01E-09	-0. 10406	0. 072	0. 157	1. 51E-05 M2	MBD1
CNOT7. 3	1. 01E-09	-0. 17581	0. 245	0. 377	1. 51E-05 M2	CNOT7
XXYLT1. 3	1. 02E-09	-0. 11691	0. 054	0. 131	1. 52E-05 M2	XXYLT1
DDR2. 3	1. 02E-09	-0. 12567	0. 008	0. 06	1. 53E-05 M2	DDR2
BBS4. 2	1. 02E-09	-0. 15035	0. 026	0. 09	1. 53E-05 M2	BBS4
STRAP. 3	1. 02E-09	-0. 18958	0. 419	0. 563	1. 53E-05 M2	STRAP
MED27. 1	1. 04E-09	-0. 11808	0. 072	0. 157	1. 56E-05 M2	MED27
KRBOX4. 1	1. 05E-09	-0. 14584	0. 046	0. 12	1. 56E-05 M2	KRBOX4
SSFA2. 3	1. 06E-09	-0. 10889	0. 096	0. 192	1. 59E-05 M2	SSFA2
B4GALNT4. 1	1. 08E-09	-0. 11537	0. 001	0. 048	1. 61E-05 M2	B4GALNT4
RMND5B. 2	1. 08E-09	-0. 12439	0. 08	0. 17	1. 61E-05 M2	RMND5B
CIAPIN1. 2	1. 08E-09	-0. 14278	0. 156	0. 267	1. 62E-05 M2	CIAPIN1
LMBR1. 3	1. 09E-09	-0. 11836	0. 042	0. 115	1. 62E-05 M2	LMBR1
STAU2. 3	1. 09E-09	-0. 1542	0. 089	0. 179	1. 63E-05 M2	STAU2
ZNF569. 2	1. 09E-09	-0. 13592	0. 015	0. 073	1. 63E-05 M2	ZNF569
GAPT. 5	1. 09E-09	0. 135256	0. 111	0. 056	1. 63E-05 M2	GAPT
FKBP15. 4	1. 10E-09	0. 287576	0. 202	0. 134	1. 64E-05 M2	FKBP15
PET117. 2	1. 13E-09	-0. 10895	0. 092	0. 186	1. 69E-05 M2	PET117
NOL12. 1	1. 14E-09	-0. 14778	0. 123	0. 227	1. 70E-05 M2	NOL12
GCFC2. 1	1. 14E-09	-0. 13475	0. 05	0. 125	1. 70E-05 M2	GCFC2
MAPK8IP2. 1	1. 15E-09	-0. 13077	0	0. 045	1. 71E-05 M2	MAPK8IP2
C9orf142. 1	1. 15E-09	-0. 1407	0. 249	0. 385	1. 72E-05 M2	C9orf142
NR2F2. 3	1. 16E-09	-0. 15445	0. 001	0. 048	1. 74E-05 M2	NR2F2
CAPS. 2	1. 17E-09	-0. 14182	0. 017	0. 075	1. 74E-05 M2	CAPS
PPP1R14C. 1	1. 17E-09	-0. 11039	0. 01	0. 064	1. 75E-05 M2	PPP1R14C
GALNT11. 3	1. 19E-09	-0. 11329	0. 128	0. 233	1. 79E-05 M2	GALNT11
CTU1. 3	1. 22E-09	-0. 1249	0. 02	0. 081	1. 82E-05 M2	CTU1
ZMYND11. 5	1. 22E-09	-0. 10733	0. 068	0. 152	1. 82E-05 M2	ZMYND11
PRC1. 4	1. 23E-09	-0. 19333	0. 027	0. 09	1. 83E-05 M2	PRC1
DNM1L. 3	1. 23E-09	-0. 11524	0. 133	0. 239	1. 83E-05 M2	DNM1L
CACNB3. 3	1. 23E-09	-0. 11342	0. 01	0. 064	1. 83E-05 M2	CACNB3
ZNF22. 4	1. 23E-09	-0. 13176	0. 166	0. 283	1. 84E-05 M2	ZNF22
LIN7B. 3	1. 24E-09	-0. 12566	0. 051	0. 127	1. 86E-05 M2	LIN7B
NCOA1. 2	1. 25E-09	-0. 13837	0. 079	0. 167	1. 87E-05 M2	NCOA1
RBM12B. 1	1. 26E-09	-0. 12005	0. 018	0. 077	1. 88E-05 M2	RBM12B
XIST. 5	1. 26E-09	0. 191759	0. 354	0. 26	1. 89E-05 M2	XIST
TRUB2. 3	1. 31E-09	-0. 13839	0. 117	0. 219	1. 96E-05 M2	TRUB2
CCDC94. 1	1. 31E-09	-0. 1175	0. 077	0. 164	1. 96E-05 M2	CCDC94
MICAL3. 1	1. 33E-09	-0. 13392	0. 019	0. 079	1. 99E-05 M2	MICAL3

RALGPS1. 2	1. 33E-09	-0. 1269	0. 006	0. 057	1. 99E-05	M2	RALGPS1
RP11-15A1	1. 34E-09	-0. 11778	0. 006	0. 057	2. 00E-05	M2	RP11-15A1. 3
ARMC10. 3	1. 35E-09	-0. 12957	0. 184	0. 304	2. 02E-05	M2	ARMC10
PLSCR4. 2	1. 35E-09	-0. 12523	0. 003	0. 05	2. 02E-05	M2	PLSCR4
RPN2. 1	1. 37E-09	0. 114028	0. 66	0. 621	2. 04E-05	M2	RPN2
TMEM42. 3	1. 39E-09	-0. 15303	0. 079	0. 167	2. 08E-05	M2	TMEM42
HEBP1. 1	1. 39E-09	0. 265858	0. 258	0. 184	2. 08E-05	M2	HEBP1
SRM. 4	1. 39E-09	-0. 16721	0. 245	0. 373	2. 08E-05	M2	SRM
TGFB2. 4	1. 40E-09	-0. 14271	0. 014	0. 07	2. 09E-05	M2	TGFB2
GATAD1. 2	1. 40E-09	-0. 13767	0. 11	0. 207	2. 09E-05	M2	GATAD1
ATP5EP2. 3	1. 40E-09	0. 240406	0. 488	0. 444	2. 09E-05	M2	ATP5EP2
TASP1. 2	1. 40E-09	-0. 13948	0. 031	0. 097	2. 09E-05	M2	TASP1
SH3PXD2A	1. 42E-09	0. 181775	0. 075	0. 034	2. 12E-05	M2	SH3PXD2A
IGF1R. 3	1. 44E-09	-0. 11549	0. 015	0. 073	2. 16E-05	M2	IGF1R
DCBLD1. 1	1. 45E-09	-0. 13731	0. 028	0. 093	2. 17E-05	M2	DCBLD1
ATP1A2. 3	1. 46E-09	-0. 26451	0. 011	0. 065	2. 18E-05	M2	ATP1A2
MED21. 2	1. 46E-09	-0. 1925	0. 119	0. 216	2. 18E-05	M2	MED21
LZTS1. 4	1. 46E-09	-0. 11035	0. 01	0. 064	2. 18E-05	M2	LZTS1
ATXN10. 2	1. 47E-09	-0. 15136	0. 286	0. 431	2. 19E-05	M2	ATXN10
FAM208B. 1	1. 47E-09	-0. 10947	0. 026	0. 089	2. 20E-05	M2	FAM208B
HSPB6. 4	1. 48E-09	-0. 1416	0. 01	0. 064	2. 21E-05	M2	HSPB6
SLC30A9. 4	1. 48E-09	-0. 11447	0. 148	0. 259	2. 22E-05	M2	SLC30A9
FAM219B. 2	1. 49E-09	-0. 12868	0. 072	0. 155	2. 23E-05	M2	FAM219B
PAK7. 4	1. 49E-09	-0. 15839	0. 003	0. 05	2. 23E-05	M2	PAK7
SCMH1. 1	1. 50E-09	-0. 13012	0. 022	0. 083	2. 24E-05	M2	SCMH1
ZNF652. 2	1. 51E-09	-0. 14423	0. 068	0. 15	2. 26E-05	M2	ZNF652
UBE2J2. 4	1. 52E-09	-0. 13343	0. 216	0. 343	2. 27E-05	M2	UBE2J2
CDH13. 2	1. 53E-09	-0. 21651	0. 006	0. 056	2. 29E-05	M2	CDH13
RABGAP1. 3	1. 55E-09	-0. 1115	0. 052	0. 13	2. 32E-05	M2	RABGAP1
GLMN. 2	1. 59E-09	-0. 1213	0. 029	0. 095	2. 37E-05	M2	GLMN
RND1. 1	1. 60E-09	-0. 17678	0. 013	0. 068	2. 39E-05	M2	RND1
SLC25A33. 1	1. 60E-09	-0. 10752	0. 123	0. 225	2. 39E-05	M2	SLC25A33
TARS. 2	1. 61E-09	-0. 1459	0. 13	0. 233	2. 40E-05	M2	TARS
MAD2L1BP. 1	1. 61E-09	-0. 10556	0. 078	0. 166	2. 41E-05	M2	MAD2L1BP
ARID5B. 4	1. 62E-09	0. 233253	0. 415	0. 351	2. 42E-05	M2	ARID5B
MAK16. 1	1. 63E-09	-0. 10825	0. 031	0. 097	2. 43E-05	M2	MAK16
SBN01. 3	1. 63E-09	-0. 11441	0. 161	0. 273	2. 44E-05	M2	SBN01
IFT46. 3	1. 63E-09	-0. 11764	0. 042	0. 114	2. 44E-05	M2	IFT46
GPHN. 2	1. 64E-09	-0. 11407	0. 014	0. 07	2. 45E-05	M2	GPHN
ZCCHC6. 5	1. 65E-09	0. 237528	0. 199	0. 131	2. 46E-05	M2	ZCCHC6
RNF126. 4	1. 65E-09	-0. 12547	0. 18	0. 298	2. 46E-05	M2	RNF126
PIBF1. 1	1. 65E-09	-0. 14032	0. 029	0. 094	2. 46E-05	M2	PIBF1
BLOC1S2. 3	1. 65E-09	0. 267097	0. 416	0. 365	2. 47E-05	M2	BLOC1S2
TOMM40. 3	1. 65E-09	-0. 14159	0. 211	0. 336	2. 47E-05	M2	TOMM40
POLR2K. 2	1. 68E-09	-0. 21351	0. 359	0. 498	2. 50E-05	M2	POLR2K
SPC25. 5	1. 69E-09	-0. 17364	0. 011	0. 065	2. 53E-05	M2	SPC25
TEX30. 2	1. 70E-09	-0. 18349	0. 084	0. 171	2. 54E-05	M2	TEX30
CSRP2BP. 1	1. 71E-09	-0. 1141	0. 02	0. 08	2. 55E-05	M2	CSRP2BP
PDHA1. 2	1. 71E-09	-0. 1456	0. 19	0. 311	2. 55E-05	M2	PDHA1
COQ5. 3	1. 71E-09	-0. 12472	0. 105	0. 202	2. 56E-05	M2	COQ5
NDUFAF3. 1	1. 72E-09	0. 181821	0. 552	0. 515	2. 56E-05	M2	NDUFAF3

FRMD3.3	1.72E-09	-0.15828	0.008	0.059	2.57E-05	M2	FRMD3
C9orf78.1	1.73E-09	-0.16201	0.303	0.454	2.58E-05	M2	C9orf78
TNFSF12.5	1.75E-09	0.236902	0.255	0.181	2.61E-05	M2	TNFSF12
IDI1.4	1.76E-09	-0.16997	0.209	0.332	2.64E-05	M2	IDI1
SRPX2.3	1.77E-09	-0.1843	0.009	0.061	2.65E-05	M2	SRPX2
GABARAPL2	1.80E-09	-0.23627	0.64	0.75	2.69E-05	M2	GABARAPL2
RNF10.3	1.82E-09	-0.12036	0.209	0.341	2.72E-05	M2	RNF10
ACSL4.5	1.82E-09	0.221766	0.138	0.079	2.72E-05	M2	ACSL4
SMYD3.2	1.83E-09	-0.15736	0.064	0.144	2.73E-05	M2	SMYD3
PRUNE2.3	1.83E-09	-0.22904	0.049	0.122	2.74E-05	M2	PRUNE2
ZC3H18.3	1.85E-09	-0.12641	0.077	0.162	2.76E-05	M2	ZC3H18
RASSF4.5	1.86E-09	0.217134	0.405	0.324	2.78E-05	M2	RASSF4
CHEK1.1	1.87E-09	-0.13349	0.023	0.084	2.80E-05	M2	CHEK1
FAXDC2.2	1.88E-09	-0.14335	0.009	0.061	2.82E-05	M2	FAXDC2
ZNF174.3	1.89E-09	-0.10968	0.017	0.074	2.83E-05	M2	ZNF174
SPATS2L.3	1.92E-09	-0.12616	0.218	0.34	2.87E-05	M2	SPATS2L
DCUN1D4.2	1.93E-09	-0.10342	0.036	0.104	2.88E-05	M2	DCUN1D4
PRR3.2	1.93E-09	-0.14071	0.038	0.107	2.89E-05	M2	PRR3
HDAC5.1	1.94E-09	-0.15197	0.087	0.175	2.90E-05	M2	HDAC5
GTSE1.3	1.95E-09	-0.14229	0.009	0.061	2.91E-05	M2	GTSE1
COPS6.3	1.96E-09	-0.20713	0.474	0.613	2.93E-05	M2	COPS6
GRID2.2	1.96E-09	-0.13487	0.003	0.049	2.94E-05	M2	GRID2
ZNF620.2	1.99E-09	-0.12325	0.01	0.063	2.97E-05	M2	ZNF620
SLC05A1.3	2.00E-09	-0.15317	0	0.044	2.99E-05	M2	SLC05A1
CYP3A5.2	2.01E-09	-0.12375	0.01	0.063	3.00E-05	M2	CYP3A5
GOSR1.4	2.01E-09	-0.14843	0.161	0.275	3.00E-05	M2	GOSR1
TCEA1.1	2.04E-09	-0.19692	0.359	0.493	3.04E-05	M2	TCEA1
ABLIM1.4	2.05E-09	-0.11581	0.006	0.056	3.07E-05	M2	ABLIM1
DLX6.5	2.06E-09	-0.19719	0.009	0.06	3.07E-05	M2	DLX6
STK10.5	2.06E-09	0.266452	0.123	0.068	3.08E-05	M2	STK10
SLC6A9.1	2.06E-09	-0.14557	0.001	0.047	3.09E-05	M2	SLC6A9
RAE1.3	2.07E-09	-0.13421	0.161	0.275	3.09E-05	M2	RAE1
ZNF354A.2	2.08E-09	-0.14457	0.051	0.125	3.10E-05	M2	ZNF354A
CEP104.2	2.13E-09	-0.11146	0.051	0.126	3.18E-05	M2	CEP104
SYAP1.4	2.13E-09	0.249919	0.436	0.384	3.18E-05	M2	SYAP1
CCDC144A.2	2.13E-09	-0.11045	0.024	0.086	3.19E-05	M2	CCDC144A
GOLGA2.1	2.13E-09	-0.1287	0.114	0.212	3.19E-05	M2	GOLGA2
TCF7.2	2.14E-09	-0.11853	0.064	0.145	3.20E-05	M2	TCF7
DUSP8.3	2.16E-09	-0.12286	0.005	0.054	3.23E-05	M2	DUSP8
GPANK1.3	2.17E-09	-0.12362	0.105	0.2	3.24E-05	M2	GPANK1
CAPRIN1.4	2.18E-09	-0.12611	0.207	0.328	3.25E-05	M2	CAPRIN1
SSBP4.3	2.18E-09	-0.12655	0.165	0.278	3.25E-05	M2	SSBP4
SNAPC3.3	2.19E-09	-0.11607	0.061	0.141	3.27E-05	M2	SNAPC3
SEPN1.4	2.20E-09	-0.11855	0.115	0.216	3.28E-05	M2	SEPN1
SLC31A1.3	2.20E-09	0.296036	0.231	0.163	3.29E-05	M2	SLC31A1
SLC39A14.2	2.21E-09	-0.14396	0.033	0.099	3.30E-05	M2	SLC39A14
GLRX3.3	2.22E-09	0.267048	0.361	0.3	3.32E-05	M2	GLRX3
AMN1.1	2.25E-09	-0.14465	0.054	0.129	3.36E-05	M2	AMN1
METTL3.2	2.25E-09	-0.14895	0.052	0.128	3.36E-05	M2	METTL3
TAGAP.5	2.25E-09	0.138334	0.165	0.096	3.37E-05	M2	TAGAP
SALL3.2	2.26E-09	-0.10732	0	0.044	3.37E-05	M2	SALL3

PFDN4. 4	2. 26E-09	-0. 165	0. 241	0. 368	3. 37E-05 M2	PFDN4
GPATCH4	2. 26E-09	-0. 15144	0. 103	0. 199	3. 37E-05 M2	GPATCH4
TNFAIP6. 3	2. 26E-09	-0. 31008	0. 045	0. 114	3. 38E-05 M2	TNFAIP6
DHX15. 2	2. 29E-09	-0. 16422	0. 146	0. 251	3. 42E-05 M2	DHX15
OSBPL2. 3	2. 29E-09	-0. 13423	0. 06	0. 139	3. 43E-05 M2	OSBPL2
SARS. 4	2. 32E-09	-0. 17117	0. 31	0. 452	3. 47E-05 M2	SARS
TSPAN33. 4	2. 33E-09	0. 209378	0. 083	0. 039	3. 48E-05 M2	TSPAN33
MTUS1. 3	2. 33E-09	-0. 24416	0. 073	0. 153	3. 49E-05 M2	MTUS1
PPFIA2. 1	2. 34E-09	-0. 16067	0. 003	0. 049	3. 49E-05 M2	PPFIA2
KIAA1586. 2	2. 34E-09	-0. 13303	0. 047	0. 12	3. 50E-05 M2	KIAA1586
CLNS1A. 3	2. 35E-09	-0. 20075	0. 354	0. 501	3. 51E-05 M2	CLNS1A
RP11-294J	2. 36E-09	-0. 15838	0. 061	0. 139	3. 52E-05 M2	RP11-294J22. 6
ZDHHC22. 3	2. 36E-09	-0. 13259	0. 001	0. 046	3. 53E-05 M2	ZDHHC22
TMEM106A. 2	2. 38E-09	0. 153228	0. 114	0. 06	3. 56E-05 M2	TMEM106A
ZNF227. 2	2. 40E-09	-0. 12062	0. 036	0. 103	3. 59E-05 M2	ZNF227
CCT7. 3	2. 40E-09	-0. 18909	0. 39	0. 54	3. 59E-05 M2	CCT7
RRS1. 2	2. 40E-09	-0. 1571	0. 068	0. 148	3. 59E-05 M2	RRS1
MTF2. 3	2. 41E-09	-0. 13777	0. 153	0. 261	3. 59E-05 M2	MTF2
PRMT3. 2	2. 43E-09	-0. 11978	0. 029	0. 094	3. 64E-05 M2	PRMT3
SMYD5. 1	2. 45E-09	-0. 11197	0. 014	0. 069	3. 66E-05 M2	SMYD5
KIAA1107. 2	2. 46E-09	-0. 15314	0. 001	0. 046	3. 68E-05 M2	KIAA1107
ZNF567. 2	2. 47E-09	-0. 16874	0. 034	0. 1	3. 70E-05 M2	ZNF567
RAD54L2. 2	2. 48E-09	-0. 10498	0. 041	0. 112	3. 70E-05 M2	RAD54L2
DYNC1I2. 4	2. 48E-09	-0. 19322	0. 345	0. 478	3. 70E-05 M2	DYNC1I2
SIRT2. 5	2. 55E-09	-0. 2103	0. 29	0. 425	3. 80E-05 M2	SIRT2
TMEM9. 5	2. 57E-09	-0. 14177	0. 239	0. 376	3. 84E-05 M2	TMEM9
ADCYAP1R1	2. 58E-09	-0. 1251	0. 004	0. 051	3. 86E-05 M2	ADCYAP1R1
PRIM1. 3	2. 59E-09	-0. 12357	0. 024	0. 086	3. 87E-05 M2	PRIM1
METTL8. 2	2. 60E-09	-0. 15283	0. 051	0. 125	3. 88E-05 M2	METTL8
CAPN2. 2	2. 60E-09	-0. 1619	0. 152	0. 259	3. 89E-05 M2	CAPN2
XRCC5. 4	2. 63E-09	-0. 20096	0. 436	0. 569	3. 93E-05 M2	XRCC5
DLAT. 2	2. 66E-09	-0. 12676	0. 055	0. 131	3. 97E-05 M2	DLAT
SPRYD7. 1	2. 67E-09	-0. 12468	0. 092	0. 182	3. 99E-05 M2	SPRYD7
TPM1. 3	2. 69E-09	-0. 13569	0. 151	0. 259	4. 02E-05 M2	TPM1
ZNF668. 1	2. 75E-09	-0. 12055	0. 026	0. 087	4. 11E-05 M2	ZNF668
SCAMP4. 3	2. 75E-09	-0. 11542	0. 162	0. 276	4. 11E-05 M2	SCAMP4
TTPAL	2. 75E-09	-0. 10469	0. 066	0. 148	4. 12E-05 M2	TTPAL
ABCE1. 2	2. 76E-09	-0. 12477	0. 149	0. 257	4. 13E-05 M2	ABCE1
SMAP2. 5	2. 77E-09	0. 230302	0. 314	0. 231	4. 14E-05 M2	SMAP2
C17orf97. 2	2. 77E-09	-0. 11057	0. 009	0. 06	4. 14E-05 M2	C17orf97
EIF4E2. 3	2. 78E-09	0. 278566	0. 384	0. 329	4. 15E-05 M2	EIF4E2
CAMKMT. 2	2. 79E-09	-0. 15915	0. 02	0. 079	4. 17E-05 M2	CAMKMT
METAP2. 3	2. 82E-09	-0. 18023	0. 33	0. 48	4. 22E-05 M2	METAP2
RALB. 3	2. 82E-09	0. 232938	0. 222	0. 152	4. 22E-05 M2	RALB
NFKB1. 5	2. 86E-09	0. 241575	0. 162	0. 1	4. 28E-05 M2	NFKB1
ZNF275. 3	2. 88E-09	-0. 13038	0. 009	0. 06	4. 30E-05 M2	ZNF275
SH2B2. 4	2. 88E-09	-0. 1353	0. 043	0. 113	4. 31E-05 M2	SH2B2
HK1. 4	2. 89E-09	0. 333297	0. 258	0. 191	4. 31E-05 M2	HK1
DLGAP1. 2	2. 89E-09	-0. 11179	0. 003	0. 048	4. 33E-05 M2	DLGAP1
DCTN2. 1	2. 96E-09	-0. 25018	0. 386	0. 516	4. 42E-05 M2	DCTN2
RP11-536K	2. 96E-09	0. 188105	0. 075	0. 034	4. 42E-05 M2	RP11-536K7. 3

WRAP73.2	2.96E-09	-0.11473	0.07	0.152	4.43E-05	M2	WRAP73
THUMPD1.1	2.96E-09	-0.16022	0.12	0.219	4.43E-05	M2	THUMPD1
FAM220A.1	2.97E-09	-0.12791	0.02	0.079	4.44E-05	M2	FAM220A
MEX3B.3	2.98E-09	-0.13217	0.013	0.066	4.45E-05	M2	MEX3B
GNG10.1	2.99E-09	0.294538	0.124	0.07	4.46E-05	M2	GNG10
HSDL1.4	3.01E-09	-0.11521	0.059	0.136	4.49E-05	M2	HSDL1
FAM179B.3	3.02E-09	-0.13926	0.05	0.123	4.51E-05	M2	FAM179B
HNRNPA1L2.3	3.04E-09	-0.22753	0.116	0.207	4.55E-05	M2	HNRNPA1L2
UBE2G1.5	3.06E-09	-0.14875	0.158	0.265	4.57E-05	M2	UBE2G1
LRTOMT.3	3.06E-09	-0.11795	0.018	0.075	4.57E-05	M2	LRTOMT
TMEM175.1	3.08E-09	-0.16829	0.075	0.157	4.61E-05	M2	TMEM175
USP53.5	3.09E-09	0.233221	0.209	0.136	4.61E-05	M2	USP53
FUBP1.4	3.09E-09	-0.15928	0.132	0.231	4.62E-05	M2	FUBP1
GPR19.2	3.13E-09	-0.17249	0.003	0.048	4.68E-05	M2	GPR19
ZNF558.2	3.15E-09	-0.11797	0.022	0.081	4.71E-05	M2	ZNF558
ZNF844.2	3.15E-09	-0.13548	0.02	0.079	4.71E-05	M2	ZNF844
NRIP3.2	3.17E-09	0.186594	0.074	0.034	4.74E-05	M2	NRIP3
ZNF536.3	3.18E-09	-0.16709	0.001	0.046	4.75E-05	M2	ZNF536
NOL8.2	3.20E-09	-0.14208	0.098	0.19	4.78E-05	M2	NOL8
TBL1XR1.3	3.21E-09	-0.13652	0.148	0.255	4.80E-05	M2	TBL1XR1
RP5-1177M.3	3.26E-09	-0.19789	0.003	0.048	4.87E-05	M2	RP5-1177M21.1
UFC1.4	3.28E-09	0.146422	0.59	0.559	4.91E-05	M2	UFC1
MYOF.2	3.29E-09	0.139814	0.086	0.041	4.92E-05	M2	MYOF
PAFAH1B2.3	3.31E-09	-0.1011	0.211	0.334	4.94E-05	M2	PAFAH1B2
CDK14.1	3.31E-09	-0.14432	0.023	0.082	4.95E-05	M2	CDK14
RP11-111M.3	3.34E-09	-0.13445	0.001	0.045	4.99E-05	M2	RP11-111M22.2
PPOX.1	3.34E-09	-0.10663	0.043	0.114	5.00E-05	M2	PPOX
MBIP.4	3.34E-09	-0.15989	0.096	0.185	5.00E-05	M2	MBIP
MEMO1.1	3.35E-09	-0.12215	0.038	0.106	5.00E-05	M2	MEMO1
TSHZ2.3	3.40E-09	-0.18105	0.005	0.053	5.08E-05	M2	TSHZ2
CDKN3.4	3.44E-09	-0.19552	0.032	0.096	5.15E-05	M2	CDKN3
NOC3L.1	3.45E-09	-0.13398	0.033	0.099	5.16E-05	M2	NOC3L
BACE1.4	3.46E-09	-0.13196	0.05	0.123	5.16E-05	M2	BACE1
DOCK4.4	3.55E-09	0.212321	0.232	0.157	5.31E-05	M2	DOCK4
NDE1.2	3.55E-09	-0.12484	0.041	0.11	5.31E-05	M2	NDE1
PIGM.1	3.58E-09	-0.10719	0.027	0.089	5.35E-05	M2	PIGM
MECR.3	3.59E-09	-0.10501	0.08	0.166	5.37E-05	M2	MECR
CEP63.2	3.60E-09	-0.10302	0.093	0.184	5.38E-05	M2	CEP63
SH3BP4.1	3.61E-09	-0.12054	0.022	0.081	5.39E-05	M2	SH3BP4
GABARAPL1.3	3.61E-09	0.292879	0.361	0.293	5.40E-05	M2	GABARAPL1
C6orf203.3	3.63E-09	-0.13428	0.084	0.171	5.42E-05	M2	C6orf203
SORT1.3	3.65E-09	-0.20972	0.138	0.236	5.46E-05	M2	SORT1
BACH1.3	3.69E-09	0.243087	0.165	0.103	5.51E-05	M2	BACH1
ACTN2.1	3.69E-09	-0.1249	0.001	0.045	5.52E-05	M2	ACTN2
N6AMT2.3	3.72E-09	-0.12243	0.06	0.138	5.55E-05	M2	N6AMT2
PIP5K1A.3	3.72E-09	-0.10958	0.07	0.152	5.56E-05	M2	PIP5K1A
TUG1.4	3.78E-09	-0.10343	0.091	0.181	5.65E-05	M2	TUG1
ARX.4	3.78E-09	-0.15164	0	0.043	5.65E-05	M2	ARX
KIAA0895L.3	3.78E-09	-0.12197	0.032	0.096	5.66E-05	M2	KIAA0895L
PTPN7.5	3.86E-09	0.151445	0.134	0.074	5.77E-05	M2	PTPN7
ITFG2.1	3.90E-09	-0.1352	0.045	0.115	5.82E-05	M2	ITFG2

CCL8. 1	3. 90E-09	0. 111468	0. 037	0. 012	5. 83E-05 M2	CCL8
SC5D. 3	3. 90E-09	-0. 17501	0. 092	0. 179	5. 83E-05 M2	SC5D
XPC. 1	3. 94E-09	-0. 15263	0. 08	0. 164	5. 88E-05 M2	XPC
NUDCD1. 3	3. 94E-09	-0. 11328	0. 038	0. 105	5. 89E-05 M2	NUDCD1
U2AF1L4. 2	3. 94E-09	-0. 19422	0. 11	0. 203	5. 89E-05 M2	U2AF1L4
PTPRJ. 2	3. 95E-09	0. 141591	0. 064	0. 027	5. 90E-05 M2	PTPRJ
MCAM. 2	3. 96E-09	-0. 13059	0. 001	0. 045	5. 91E-05 M2	MCAM
TRMT11. 3	4. 00E-09	-0. 16538	0. 05	0. 122	5. 98E-05 M2	TRMT11
SEC22C. 3	4. 02E-09	-0. 10802	0. 13	0. 234	6. 01E-05 M2	SEC22C
KRCC1	4. 07E-09	-0. 17779	0. 137	0. 237	6. 08E-05 M2	KRCC1
LINC00909	4. 09E-09	-0. 13804	0. 046	0. 116	6. 11E-05 M2	LINC00909
SNAI2. 2	4. 10E-09	-0. 1055	0	0. 042	6. 12E-05 M2	SNAI2
ANKZF1. 3	4. 13E-09	-0. 11309	0. 061	0. 139	6. 17E-05 M2	ANKZF1
TRADD. 3	4. 14E-09	0. 268995	0. 23	0. 163	6. 19E-05 M2	TRADD
CDK5. 3	4. 17E-09	-0. 13485	0. 14	0. 245	6. 23E-05 M2	CDK5
PPP1R8. 2	4. 17E-09	-0. 123	0. 126	0. 23	6. 24E-05 M2	PPP1R8
ADCK4. 3	4. 18E-09	-0. 11342	0. 056	0. 132	6. 25E-05 M2	ADCK4
IFT27. 4	4. 20E-09	-0. 14686	0. 157	0. 264	6. 28E-05 M2	IFT27
ERCC3. 1	4. 21E-09	-0. 15683	0. 07	0. 15	6. 29E-05 M2	ERCC3
CPLX1. 2	4. 22E-09	-0. 16005	0. 001	0. 045	6. 31E-05 M2	CPLX1
CNIH1. 2	4. 25E-09	0. 223117	0. 43	0. 368	6. 36E-05 M2	CNIH1
RPP21. 1	4. 28E-09	-0. 1455	0. 055	0. 129	6. 39E-05 M2	RPP21
PCNXL2. 1	4. 31E-09	-0. 14378	0. 027	0. 088	6. 44E-05 M2	PCNXL2
ZNF419. 2	4. 33E-09	-0. 14415	0. 013	0. 066	6. 47E-05 M2	ZNF419
KIAA1841	4. 33E-09	-0. 13541	0. 015	0. 07	6. 48E-05 M2	KIAA1841
ZNF682. 2	4. 38E-09	-0. 1234	0. 022	0. 08	6. 55E-05 M2	ZNF682
COL9A2. 2	4. 42E-09	-0. 18743	0. 031	0. 093	6. 60E-05 M2	COL9A2
AR. 2	4. 43E-09	-0. 11973	0. 004	0. 05	6. 61E-05 M2	AR
MAL. 4	4. 43E-09	-0. 27988	0	0. 042	6. 63E-05 M2	MAL
TNK2. 3	4. 44E-09	-0. 13608	0. 057	0. 132	6. 64E-05 M2	TNK2
IPP. 3	4. 50E-09	-0. 10284	0. 011	0. 064	6. 72E-05 M2	IPP
SRFBP1. 2	4. 53E-09	-0. 11253	0. 097	0. 187	6. 76E-05 M2	SRFBP1
INTS10. 2	4. 56E-09	-0. 16341	0. 195	0. 31	6. 82E-05 M2	INTS10
APIP. 3	4. 59E-09	0. 292757	0. 296	0. 229	6. 86E-05 M2	APIP
FAM98A. 3	4. 63E-09	-0. 1315	0. 068	0. 147	6. 92E-05 M2	FAM98A
CPSF6. 3	4. 64E-09	-0. 15352	0. 216	0. 338	6. 94E-05 M2	CPSF6
RP5-827C2	4. 64E-09	-0. 13128	0. 014	0. 068	6. 94E-05 M2	RP5-827C21. 4
BNC2. 1	4. 65E-09	0. 173039	0. 057	0. 023	6. 95E-05 M2	BNC2
SAMD4B. 2	4. 68E-09	-0. 1135	0. 128	0. 23	6. 99E-05 M2	SAMD4B
UBE3A. 4	4. 69E-09	-0. 15654	0. 183	0. 294	7. 00E-05 M2	UBE3A
C17orf89.	4. 82E-09	-0. 19139	0. 31	0. 429	7. 20E-05 M2	C17orf89
SLC35E3. 4	4. 83E-09	-0. 21589	0. 105	0. 193	7. 22E-05 M2	SLC35E3
NIFK-AS1.	4. 87E-09	-0. 13177	0. 029	0. 092	7. 27E-05 M2	NIFK-AS1
PHC1. 3	4. 89E-09	-0. 11601	0. 023	0. 082	7. 31E-05 M2	PHC1
DOCK5. 5	4. 90E-09	0. 128437	0. 102	0. 052	7. 32E-05 M2	DOCK5
NACC2. 3	4. 93E-09	-0. 11436	0. 04	0. 107	7. 37E-05 M2	NACC2
FKBP7. 2	4. 96E-09	-0. 1498	0. 032	0. 096	7. 42E-05 M2	FKBP7
SURF2. 4	4. 97E-09	-0. 10068	0. 134	0. 239	7. 43E-05 M2	SURF2
PGAP2. 2	5. 00E-09	-0. 13338	0. 05	0. 122	7. 48E-05 M2	PGAP2
AC018647.	5. 03E-09	-0. 22641	0. 001	0. 045	7. 51E-05 M2	AC018647. 3
BMPR2. 3	5. 04E-09	-0. 14114	0. 096	0. 183	7. 53E-05 M2	BMPR2

IQSEC1.1	5.05E-09	0.228479	0.115	0.064	7.55E-05	M2	IQSEC1
DPY19L4.2	5.14E-09	-0.10658	0.033	0.098	7.68E-05	M2	DPY19L4
TPD52.4	5.16E-09	-0.23943	0.143	0.243	7.71E-05	M2	TPD52
RTF1.4	5.19E-09	-0.16406	0.304	0.439	7.76E-05	M2	RTF1
ZNF189.1	5.21E-09	-0.13595	0.015	0.069	7.79E-05	M2	ZNF189
MESDC2.1	5.30E-09	0.201703	0.452	0.401	7.92E-05	M2	MESDC2
RBP7.2	5.36E-09	0.165048	0.087	0.042	8.00E-05	M2	RBP7
GPR89A.2	5.37E-09	-0.11139	0.057	0.133	8.02E-05	M2	GPR89A
FHL2.2	5.39E-09	-0.13625	0.004	0.049	8.06E-05	M2	FHL2
EFNA3.2	5.41E-09	-0.13245	0.011	0.063	8.09E-05	M2	EFNA3
TSR1.3	5.42E-09	-0.11969	0.102	0.196	8.10E-05	M2	TSR1
MMS22L.2	5.46E-09	-0.14992	0.014	0.067	8.16E-05	M2	MMS22L
RRN3.1	5.48E-09	-0.1411	0.063	0.139	8.19E-05	M2	RRN3
RAB33A.3	5.58E-09	-0.21744	0.043	0.111	8.33E-05	M2	RAB33A
FAM63B.2	5.61E-09	-0.11821	0.115	0.211	8.38E-05	M2	FAM63B
STIP1.2	5.70E-09	-0.15671	0.252	0.38	8.52E-05	M2	STIP1
UNC50.3	5.79E-09	-0.19061	0.236	0.363	8.65E-05	M2	UNC50
FKBP14.1	5.82E-09	-0.12639	0.034	0.099	8.69E-05	M2	FKBP14
BET1.3	5.83E-09	-0.15735	0.129	0.228	8.72E-05	M2	BET1
MARCH7.1	5.86E-09	-0.15214	0.157	0.262	8.76E-05	M2	7-Mar
THEM6.2	5.88E-09	-0.13574	0.027	0.087	8.79E-05	M2	THEM6
RPGRIP1L.1	5.94E-09	-0.10377	0.01	0.061	8.88E-05	M2	RPGRIP1L
TM9SF4.1	5.96E-09	-0.14017	0.102	0.194	8.91E-05	M2	TM9SF4
DIMT1.2	6.03E-09	-0.12475	0.101	0.192	9.02E-05	M2	DIMT1
CASP8.4	6.10E-09	0.161041	0.089	0.044	9.11E-05	M2	CASP8
HMGB3.4	6.15E-09	-0.16846	0.179	0.286	9.19E-05	M2	HMGB3
FKBP5.5	6.18E-09	0.210703	0.392	0.311	9.23E-05	M2	FKBP5
NAGK.3	6.25E-09	0.234144	0.432	0.378	9.34E-05	M2	NAGK
ZGLP1.1	6.28E-09	0.202493	0.088	0.044	9.39E-05	M2	ZGLP1
BIRC5.5	6.29E-09	-0.27743	0.043	0.109	9.40E-05	M2	BIRC5
SYT5.3	6.30E-09	-0.14474	0.003	0.047	9.41E-05	M2	SYT5
NUCKS1.3	6.31E-09	-0.20022	0.526	0.644	9.43E-05	M2	NUCKS1
SMCHD1.3	6.35E-09	-0.11367	0.101	0.193	9.49E-05	M2	SMCHD1
GPC6.2	6.35E-09	-0.1387	0.001	0.044	9.50E-05	M2	GPC6
PIGH.2	6.36E-09	-0.15495	0.117	0.214	9.50E-05	M2	PIGH
MPST.3	6.38E-09	-0.13719	0.194	0.314	9.53E-05	M2	MPST
TBCE.1	6.50E-09	-0.13384	0.043	0.112	9.72E-05	M2	TBCE
FAM188A.3	6.58E-09	-0.12755	0.032	0.095	9.83E-05	M2	FAM188A
CCDC82.2	6.59E-09	-0.1319	0.169	0.279	9.86E-05	M2	CCDC82
NONO.4	6.63E-09	-0.17505	0.328	0.464	9.91E-05	M2	NONO
SEPT2.2	6.64E-09	-0.18705	0.453	0.59	9.92E-05	M2	2-Sep
AFF3.3	6.71E-09	-0.14299	0.008	0.056	0.0001	M2	AFF3
PDP1.2	6.73E-09	-0.10489	0.057	0.131	0.000101	M2	PDP1
RBM48.2	6.75E-09	-0.13322	0.032	0.094	0.000101	M2	RBM48
MLST8.3	6.78E-09	-0.10024	0.139	0.243	0.000101	M2	MLST8
RP11-486G	6.87E-09	-0.11776	0.004	0.049	0.000103	M2	RP11-486G15.2
INF2.3	6.89E-09	0.277694	0.137	0.082	0.000103	M2	INF2
ASNSD1.4	6.90E-09	-0.13255	0.167	0.278	0.000103	M2	ASNSD1
ZMYM5	6.96E-09	-0.10872	0.072	0.153	0.000104	M2	ZMYM5
KATNB1.3	7.04E-09	-0.10535	0.052	0.124	0.000105	M2	KATNB1
SLC43A2.5	7.09E-09	0.267867	0.31	0.241	0.000106	M2	SLC43A2



RALGAPA1.	7.12E-09	-0.1272	0.06	0.135	0.000106	M2	RALGAPA1
CALU.4	7.16E-09	-0.18962	0.284	0.412	0.000107	M2	CALU
DLG2.2	7.19E-09	-0.1468	0.005	0.051	0.000107	M2	DLG2
ZC3H7B.1	7.23E-09	-0.10531	0.042	0.111	0.000108	M2	ZC3H7B
TSTD1.3	7.25E-09	0.253798	0.266	0.192	0.000108	M2	TSTD1
RNPEP.5	7.29E-09	0.288666	0.286	0.219	0.000109	M2	RNPEP
CALCOCO1.	7.32E-09	-0.14378	0.073	0.153	0.000109	M2	CALCOCO1
ZFAND5.5	7.34E-09	0.248895	0.492	0.461	0.00011	M2	ZFAND5
BCR.3	7.35E-09	-0.12615	0.014	0.067	0.00011	M2	BCR
HIST1H1C.	7.42E-09	0.304839	0.252	0.184	0.000111	M2	HIST1H1C
TGOLN2.5	7.44E-09	0.267229	0.419	0.369	0.000111	M2	TGOLN2
SFRP4.1	7.46E-09	-0.19619	0.01	0.06	0.000111	M2	SFRP4
TPST2.4	7.50E-09	0.274031	0.23	0.163	0.000112	M2	TPST2
RNF115.3	7.53E-09	-0.12581	0.147	0.25	0.000112	M2	RNF115
CPQ.3	7.58E-09	0.214717	0.246	0.173	0.000113	M2	CPQ
ZNF507	7.58E-09	-0.11054	0.004	0.048	0.000113	M2	ZNF507
TMEM184B.	7.59E-09	-0.12091	0.066	0.143	0.000113	M2	TMEM184B
EIF4H.2	7.60E-09	-0.18389	0.406	0.55	0.000114	M2	EIF4H
FGF12.2	7.61E-09	-0.1713	0.005	0.051	0.000114	M2	FGF12
UBA3	7.72E-09	-0.15904	0.151	0.252	0.000115	M2	UBA3
ZFR2.2	7.73E-09	-0.13852	0	0.041	0.000116	M2	ZFR2
APOBEC3G.	7.76E-09	0.229841	0.179	0.114	0.000116	M2	APOBEC3G
STX16.1	7.89E-09	-0.10692	0.117	0.215	0.000118	M2	STX16
BRCA1	7.90E-09	-0.12206	0.01	0.06	0.000118	M2	BRCA1
PCNA.3	7.94E-09	-0.20006	0.208	0.323	0.000119	M2	PCNA
HAUS4.5	8.05E-09	0.171467	0.109	0.058	0.00012	M2	HAUS4
DIP2A.2	8.07E-09	-0.14211	0.049	0.118	0.000121	M2	DIP2A
TOP3A.1	8.08E-09	-0.11191	0.032	0.094	0.000121	M2	TOP3A
GOLGA8B.1	8.08E-09	-0.10124	0.006	0.053	0.000121	M2	GOLGA8B
CTD-3074C	8.13E-09	-0.11675	0.011	0.062	0.000122	M2	CTD-307407.5
PDIK1L.1	8.15E-09	-0.13278	0.011	0.061	0.000122	M2	PDIK1L
SNRNP40.2	8.30E-09	-0.15766	0.215	0.337	0.000124	M2	SNRNP40
C1orf27.3	8.31E-09	-0.13658	0.097	0.185	0.000124	M2	C1orf27
ID3.5	8.34E-09	0.118817	0.341	0.259	0.000125	M2	ID3
TCERG1.3	8.35E-09	-0.10012	0.115	0.211	0.000125	M2	TCERG1
LTV1.1	8.46E-09	-0.1459	0.102	0.192	0.000126	M2	LTV1
WDR11.1	8.50E-09	0.221328	0.163	0.103	0.000127	M2	WDR11
MRPS23.3	8.65E-09	-0.16308	0.248	0.375	0.000129	M2	MRPS23
NARF.2	8.68E-09	-0.12569	0.215	0.337	0.00013	M2	NARF
GSE1.4	8.73E-09	-0.15869	0.033	0.095	0.00013	M2	GSE1
ATP5F1.3	8.75E-09	0.103827	0.655	0.643	0.000131	M2	ATP5F1
CLOCK.4	8.76E-09	-0.15399	0.06	0.133	0.000131	M2	CLOCK
NBEA.1	8.77E-09	-0.13648	0.006	0.053	0.000131	M2	NBEA
C1orf228.	8.82E-09	0.126641	0.066	0.029	0.000132	M2	C1orf228
SECISBP2.	8.91E-09	-0.12734	0.155	0.26	0.000133	M2	SECISBP2
SREK1.4	8.94E-09	-0.11378	0.207	0.331	0.000134	M2	SREK1
C17orf58.	8.97E-09	-0.10642	0.101	0.192	0.000134	M2	C17orf58
GTF3C4.2	8.98E-09	-0.10283	0.017	0.07	0.000134	M2	GTF3C4
RQCD1.1	9.04E-09	-0.15464	0.105	0.193	0.000135	M2	RQCD1
MDM1.1	9.06E-09	-0.1204	0.02	0.076	0.000135	M2	MDM1
GORAB.5	9.08E-09	-0.10423	0.022	0.079	0.000136	M2	GORAB

GPKOW. 2	9. 11E-09	-0. 15103	0. 066	0. 143	0. 000136 M2	GPKOW
METTL1. 4	9. 32E-09	-0. 2091	0. 075	0. 153	0. 000139 M2	METTL1
SIGLEC14.	9. 36E-09	0. 15347	0. 086	0. 042	0. 00014 M2	SIGLEC14
PLEKHB2. 4	9. 38E-09	0. 233673	0. 434	0. 397	0. 00014 M2	PLEKHB2
RPRD2. 1	9. 45E-09	-0. 11642	0. 06	0. 135	0. 000141 M2	RPRD2
ATMIN. 4	9. 47E-09	-0. 11716	0. 05	0. 12	0. 000142 M2	ATMIN
SUPT4H1. 2	9. 61E-09	0. 217437	0. 52	0. 493	0. 000144 M2	SUPT4H1
IFT80. 2	9. 61E-09	-0. 10851	0. 019	0. 074	0. 000144 M2	IFT80
CEP57. 2	9. 67E-09	-0. 10631	0. 134	0. 237	0. 000145 M2	CEP57
KAT2A. 2	9. 74E-09	-0. 12232	0. 083	0. 166	0. 000145 M2	KAT2A
NEUROD1. 2	9. 81E-09	-0. 15117	0	0. 04	0. 000147 M2	NEUROD1
LTBP2	9. 86E-09	0. 186748	0. 056	0. 023	0. 000147 M2	LTBP2
CCDC142. 1	9. 87E-09	-0. 12539	0. 015	0. 068	0. 000147 M2	CCDC142
ST8SIA5. 2	9. 87E-09	-0. 12065	0. 003	0. 045	0. 000148 M2	ST8SIA5
DPH5. 1	9. 93E-09	-0. 17198	0. 087	0. 17	0. 000148 M2	DPH5
NUDT9. 2	9. 93E-09	-0. 16726	0. 132	0. 229	0. 000148 M2	NUDT9
TMCC1. 4	9. 95E-09	-0. 10102	0. 049	0. 118	0. 000149 M2	TMCC1
WDR70	1. 02E-08	-0. 15988	0. 077	0. 156	0. 000152 M2	WDR70
PDZD4. 3	1. 02E-08	-0. 1187	0. 005	0. 05	0. 000152 M2	PDZD4
TADA2A. 1	1. 03E-08	-0. 10701	0. 022	0. 078	0. 000154 M2	TADA2A
PIFO. 3	1. 04E-08	-0. 21666	0. 006	0. 052	0. 000155 M2	PIFO
GRIK3. 2	1. 04E-08	-0. 10197	0. 004	0. 048	0. 000156 M2	GRIK3
GRAMD1A. 3	1. 07E-08	-0. 12206	0. 172	0. 282	0. 00016 M2	GRAMD1A
MAP2K2. 4	1. 07E-08	-0. 1617	0. 202	0. 309	0. 00016 M2	MAP2K2
GADD45G. 4	1. 08E-08	-0. 27332	0. 17	0. 261	0. 000161 M2	GADD45G
TAPBP. 5	1. 09E-08	0. 25679	0. 395	0. 339	0. 000163 M2	TAPBP
FOPNL. 2	1. 09E-08	-0. 14793	0. 109	0. 2	0. 000163 M2	FOPNL
ROGDI. 3	1. 09E-08	-0. 1412	0. 137	0. 234	0. 000163 M2	ROGDI
CA9. 3	1. 11E-08	-0. 17994	0. 001	0. 043	0. 000165 M2	CA9
OSGEPL1. 1	1. 11E-08	-0. 12027	0. 018	0. 072	0. 000166 M2	OSGEPL1
CDCA4. 3	1. 11E-08	-0. 12178	0. 031	0. 092	0. 000166 M2	CDCA4
IFI35. 3	1. 12E-08	0. 25046	0. 298	0. 226	0. 000168 M2	IFI35
SMIM14. 3	1. 12E-08	-0. 16695	0. 218	0. 338	0. 000168 M2	SMIM14
G6PC3. 2	1. 14E-08	-0. 16291	0. 235	0. 355	0. 00017 M2	G6PC3
CDKL3. 1	1. 14E-08	-0. 13907	0. 046	0. 114	0. 000171 M2	CDKL3
TMEM151A.	1. 15E-08	-0. 16031	0. 003	0. 045	0. 000171 M2	TMEM151A
RIPPLY2. 1	1. 15E-08	-0. 10431	0	0. 04	0. 000172 M2	RIPPLY2
DAPP1. 4	1. 15E-08	0. 112403	0. 06	0. 025	0. 000172 M2	DAPP1
UNC80. 1	1. 16E-08	-0. 10118	0. 001	0. 043	0. 000173 M2	UNC80
MASP1. 2	1. 16E-08	-0. 15452	0. 001	0. 043	0. 000174 M2	MASP1
RP4-798A1	1. 17E-08	-0. 11149	0. 001	0. 043	0. 000174 M2	RP4-798A10. 7
S100BPB	1. 17E-08	-0. 11805	0. 05	0. 119	0. 000175 M2	S100BPB
RUNX2. 2	1. 17E-08	0. 13051	0. 061	0. 026	0. 000175 M2	RUNX2
MFS10. 2	1. 18E-08	0. 297822	0. 351	0. 298	0. 000177 M2	MFS10
RP11-544A	1. 19E-08	-0. 16634	0. 028	0. 087	0. 000177 M2	RP11-544A12. 8
ASPM. 5	1. 20E-08	-0. 1547	0. 005	0. 05	0. 00018 M2	ASPM
METTL4. 1	1. 21E-08	-0. 11044	0. 022	0. 078	0. 00018 M2	METTL4
TMEM206. 4	1. 21E-08	-0. 15815	0. 14	0. 237	0. 000181 M2	TMEM206
TAP1. 1	1. 22E-08	-0. 18588	0. 16	0. 26	0. 000182 M2	TAP1
CTDSP1. 5	1. 22E-08	0. 291263	0. 282	0. 217	0. 000182 M2	CTDSP1
SECISBP2L	1. 22E-08	-0. 14404	0. 095	0. 18	0. 000183 M2	SECISBP2L

SPC24.5	1.23E-08	-0.13772	0.006	0.052	0.000184	M2	SPC24
FGF14-AS2	1.26E-08	-0.10076	0.008	0.054	0.000189	M2	FGF14-AS2
C19orf66.	1.28E-08	-0.14874	0.158	0.263	0.000192	M2	C19orf66
CENPJ.1	1.34E-08	-0.1172	0.017	0.069	0.0002	M2	CENPJ
KPNA3.2	1.34E-08	-0.12588	0.158	0.263	0.000201	M2	KPNA3
WDR18.3	1.36E-08	-0.10498	0.18	0.293	0.000203	M2	WDR18
GFM2.1	1.36E-08	-0.14696	0.032	0.092	0.000203	M2	GFM2
BMF.2	1.36E-08	0.12698	0.049	0.019	0.000204	M2	BMF
EVI5L.2	1.36E-08	-0.10463	0.013	0.063	0.000204	M2	EVI5L
UBA6-AS1.	1.39E-08	-0.11712	0.028	0.087	0.000207	M2	UBA6-AS1
ILF2.2	1.39E-08	-0.18416	0.442	0.583	0.000208	M2	ILF2
RNF219.2	1.40E-08	-0.16303	0.051	0.119	0.00021	M2	RNF219
CDK5RAP2.	1.41E-08	-0.13293	0.049	0.117	0.000211	M2	CDK5RAP2
NPAT.1	1.42E-08	-0.11593	0.027	0.085	0.000213	M2	NPAT
SMARCAD1.	1.44E-08	-0.11601	0.045	0.111	0.000215	M2	SMARCAD1
CES1.1	1.44E-08	0.102176	0.032	0.01	0.000215	M2	CES1
FAM189B.1	1.45E-08	-0.10385	0.04	0.105	0.000217	M2	FAM189B
MKRN2.1	1.46E-08	-0.14741	0.078	0.157	0.000218	M2	MKRN2
GPD1.4	1.47E-08	-0.20778	0.006	0.051	0.00022	M2	GPD1
MPV17L.1	1.47E-08	-0.1266	0.022	0.077	0.00022	M2	MPV17L
CCSAP.2	1.49E-08	-0.13408	0.04	0.104	0.000223	M2	CCSAP
MYLK.2	1.50E-08	-0.19563	0.013	0.062	0.000224	M2	MYLK
UBL3.5	1.50E-08	-0.178	0.241	0.362	0.000224	M2	UBL3
DNAJC2.3	1.51E-08	-0.13916	0.193	0.305	0.000226	M2	DNAJC2
KLF15.1	1.51E-08	-0.12162	0.001	0.042	0.000226	M2	KLF15
THAP1.1	1.52E-08	-0.12375	0.069	0.146	0.000226	M2	THAP1
ZNF85.1	1.52E-08	-0.10589	0.029	0.089	0.000227	M2	ZNF85
RP11-412D	1.52E-08	-0.11222	0.003	0.044	0.000227	M2	RP11-412D9.4
DYNC1LI1.	1.53E-08	-0.13054	0.169	0.274	0.000228	M2	DYNC1LI1
FARSA.2	1.55E-08	-0.10671	0.206	0.328	0.000232	M2	FARSA
TNNI2.4	1.56E-08	0.10391	0.046	0.017	0.000234	M2	TNNI2
ALDH1L1.4	1.57E-08	-0.18982	0.015	0.067	0.000234	M2	ALDH1L1
ALCAM.4	1.59E-08	0.249048	0.259	0.191	0.000237	M2	ALCAM
TMEM5.3	1.60E-08	-0.12269	0.121	0.214	0.000239	M2	TMEM5
RND3.4	1.62E-08	-0.20908	0.153	0.249	0.000242	M2	RND3
AP006621.	1.62E-08	-0.10396	0.014	0.065	0.000243	M2	AP006621.5
CDC14B.1	1.63E-08	-0.12432	0.015	0.066	0.000243	M2	CDC14B
MINA	1.65E-08	-0.11873	0.064	0.138	0.000247	M2	MINA
CABIN1.1	1.67E-08	-0.13404	0.064	0.138	0.00025	M2	CABIN1
IGFBP4.1	1.70E-08	0.317166	0.111	0.063	0.000254	M2	IGFBP4
GUCY1A2.1	1.71E-08	-0.10795	0	0.039	0.000255	M2	GUCY1A2
TFAP2A.2	1.71E-08	-0.13539	0	0.039	0.000255	M2	TFAP2A
AP3D1.3	1.71E-08	-0.12518	0.203	0.316	0.000255	M2	AP3D1
MSH3.1	1.73E-08	-0.12722	0.045	0.111	0.000258	M2	MSH3
TMEM55A.4	1.74E-08	-0.11593	0.139	0.239	0.00026	M2	TMEM55A
CNTN1.1	1.75E-08	-0.1481	0.001	0.042	0.000262	M2	CNTN1
EDEM1.4	1.76E-08	0.213937	0.129	0.076	0.000263	M2	EDEM1
ANKRD11.3	1.81E-08	-0.13197	0.208	0.324	0.00027	M2	ANKRD11
TMEM128.3	1.81E-08	-0.10351	0.184	0.299	0.00027	M2	TMEM128
CNTN2.3	1.81E-08	-0.27474	0.003	0.044	0.000271	M2	CNTN2
RNPEPL1.3	1.84E-08	0.317035	0.186	0.126	0.000274	M2	RNPEPL1

TMEM246.3	1.84E-08	-0.14398	0.006	0.051	0.000275	M2	TMEM246
UQCRC2.2	1.84E-08	0.148894	0.544	0.511	0.000275	M2	UQCRC2
CDK18.2	1.85E-08	-0.22037	0.026	0.081	0.000277	M2	CDK18
ZNF529.2	1.86E-08	-0.11626	0.013	0.062	0.000278	M2	ZNF529
TSEN54.2	1.86E-08	-0.1213	0.051	0.12	0.000279	M2	TSEN54
KIAA0319L	1.86E-08	-0.11129	0.102	0.19	0.000279	M2	KIAA0319L
TIMP2.3	1.87E-08	0.307073	0.375	0.322	0.00028	M2	TIMP2
LRRC42.3	1.89E-08	-0.11782	0.072	0.149	0.000282	M2	LRRC42
EPHB1.2	1.89E-08	-0.12947	0.005	0.049	0.000282	M2	EPHB1
ILK.2	1.90E-08	0.224667	0.413	0.362	0.000284	M2	ILK
AZI2.3	1.91E-08	0.287053	0.355	0.297	0.000286	M2	AZI2
ZFP1.2	1.92E-08	-0.11449	0.018	0.07	0.000288	M2	ZFP1
KRT7.2	1.93E-08	-0.15951	0.001	0.041	0.000288	M2	KRT7
PN01.2	1.97E-08	-0.11762	0.116	0.208	0.000294	M2	PN01
ZNF720.1	1.97E-08	-0.15042	0.061	0.133	0.000294	M2	ZNF720
ZNF25.1	2.00E-08	-0.10727	0.024	0.081	0.000298	M2	ZNF25
DCAF10.2	2.02E-08	-0.11927	0.097	0.183	0.000302	M2	DCAF10
POLR2C.4	2.02E-08	-0.17431	0.239	0.358	0.000303	M2	POLR2C
ONECUT2.2	2.03E-08	-0.13514	0.004	0.046	0.000303	M2	ONECUT2
HSPH1.2	2.04E-08	-0.12787	0.244	0.369	0.000305	M2	HSPH1
PDZD2	2.04E-08	-0.11391	0.004	0.046	0.000305	M2	PDZD2
DTD2.2	2.05E-08	-0.11588	0.02	0.074	0.000306	M2	DTD2
JDP2.5	2.05E-08	0.15185	0.12	0.067	0.000307	M2	JDP2
PSD2.2	2.06E-08	-0.13299	0.003	0.044	0.000307	M2	PSD2
USE1.5	2.06E-08	-0.15131	0.217	0.338	0.000308	M2	USE1
HSP90AA1.	2.07E-08	-0.15167	0.895	0.888	0.000309	M2	HSP90AA1
FHOD1.5	2.11E-08	0.200453	0.1	0.053	0.000315	M2	FHOD1
N4BP2L2.1	2.12E-08	-0.19625	0.387	0.525	0.000317	M2	N4BP2L2
SYNGAP1.3	2.13E-08	-0.10796	0.01	0.057	0.000318	M2	SYNGAP1
BNIP2.5	2.15E-08	0.267723	0.321	0.26	0.000321	M2	BNIP2
KCTD15.1	2.16E-08	-0.10043	0.005	0.048	0.000323	M2	KCTD15
KLHDC3.3	2.17E-08	-0.14143	0.245	0.37	0.000324	M2	KLHDC3
PARP2.2	2.17E-08	-0.1182	0.049	0.115	0.000324	M2	PARP2
POLI	2.18E-08	-0.13211	0.033	0.093	0.000326	M2	POLI
NAT8L.2	2.22E-08	-0.10859	0.008	0.053	0.000331	M2	NAT8L
SGOL2.3	2.22E-08	-0.19436	0.034	0.094	0.000332	M2	SGOL2
STAU1.3	2.23E-08	-0.14084	0.254	0.374	0.000333	M2	STAU1
CHST11.5	2.23E-08	0.241967	0.278	0.208	0.000334	M2	CHST11
ATP6V1E2	2.25E-08	-0.11577	0.014	0.063	0.000337	M2	ATP6V1E2
COX5A.3	2.27E-08	0.138769	0.621	0.596	0.000339	M2	COX5A
HADHB.2	2.27E-08	0.185193	0.49	0.459	0.00034	M2	HADHB
FAM122A.4	2.29E-08	-0.13072	0.073	0.149	0.000342	M2	FAM122A
ACD.3	2.29E-08	-0.10786	0.089	0.173	0.000342	M2	ACD
CDC7	2.34E-08	-0.10871	0.003	0.043	0.00035	M2	CDC7
NIP7.4	2.35E-08	-0.13998	0.093	0.178	0.00035	M2	NIP7
SLC27A5.3	2.36E-08	-0.17167	0.066	0.141	0.000353	M2	SLC27A5
STX17.1	2.38E-08	-0.10449	0.049	0.116	0.000355	M2	STX17
PCBP1.5	2.42E-08	0.155143	0.609	0.586	0.000362	M2	PCBP1
PCCB.1	2.46E-08	-0.15448	0.096	0.18	0.000367	M2	PCCB
PPP2R3A.2	2.49E-08	-0.10426	0.014	0.064	0.000372	M2	PPP2R3A
TECPR2.1	2.49E-08	-0.13302	0.015	0.066	0.000373	M2	TECPR2

IFNAR2.3	2.51E-08	0.335376	0.255	0.195	0.000375	M2	IFNAR2
RGS11.2	2.53E-08	-0.11475	0.006	0.05	0.000378	M2	RGS11
RP11-430H	2.55E-08	-0.10152	0.001	0.041	0.000381	M2	RP11-430H10.1
ZFP30.1	2.59E-08	-0.10417	0.008	0.052	0.000387	M2	ZFP30
WBP1L.5	2.59E-08	0.262041	0.165	0.105	0.000388	M2	WBP1L
SENP5.2	2.59E-08	-0.11598	0.068	0.143	0.000388	M2	SENP5
PHF20.2	2.60E-08	-0.10751	0.208	0.328	0.000389	M2	PHF20
DICER1-AS	2.62E-08	-0.12942	0.01	0.057	0.000392	M2	DICER1-AS1
CCT3.3	2.63E-08	-0.20673	0.447	0.587	0.000393	M2	CCT3
CEBPD.3	2.65E-08	0.129573	0.554	0.452	0.000396	M2	CEBPD
AHSA2.2	2.66E-08	-0.13202	0.057	0.128	0.000398	M2	AHSA2
SMIM3.3	2.66E-08	0.178458	0.072	0.033	0.000398	M2	SMIM3
CGRRF1.3	2.67E-08	-0.16151	0.088	0.169	0.000399	M2	CGRRF1
GEM.1	2.68E-08	0.241058	0.149	0.093	0.000401	M2	GEM
ABCC3.2	2.72E-08	0.25191	0.152	0.095	0.000406	M2	ABCC3
HENMT1.4	2.73E-08	0.130853	0.066	0.03	0.000408	M2	HENMT1
ARL13B.5	2.74E-08	-0.1347	0.072	0.148	0.000409	M2	ARL13B
IL33.3	2.75E-08	-0.12473	0.005	0.048	0.00041	M2	IL33
COX17.1	2.76E-08	0.164101	0.557	0.515	0.000412	M2	COX17
WDR73.3	2.76E-08	-0.10575	0.07	0.147	0.000413	M2	WDR73
SERPINI1.	2.76E-08	-0.18201	0.01	0.056	0.000413	M2	SERPINI1
CEP76	2.77E-08	-0.1248	0.005	0.048	0.000414	M2	CEP76
DERL2.2	2.79E-08	0.237286	0.401	0.349	0.000416	M2	DERL2
PCED1B.3	2.79E-08	0.143796	0.072	0.033	0.000417	M2	PCED1B
SGOL1.3	2.80E-08	-0.16657	0.013	0.061	0.000418	M2	SGOL1
EIF3L.3	2.81E-08	0.126952	0.633	0.604	0.000419	M2	EIF3L
RBM23	2.84E-08	-0.1826	0.17	0.271	0.000424	M2	RBM23
CASP2.1	2.87E-08	-0.10807	0.041	0.104	0.000429	M2	CASP2
RP11-421L	2.88E-08	-0.1248	0.028	0.085	0.00043	M2	RP11-421L21.3
CADPS.3	2.89E-08	-0.1876	0.004	0.045	0.000431	M2	CADPS
FAM32A.3	2.93E-08	-0.16829	0.323	0.461	0.000438	M2	FAM32A
ZNF573.2	2.93E-08	-0.13281	0.017	0.067	0.000438	M2	ZNF573
PKMYT1.3	2.93E-08	-0.10234	0.004	0.045	0.000439	M2	PKMYT1
RBBP6.2	2.94E-08	-0.11272	0.204	0.321	0.00044	M2	RBBP6
PMM1.4	2.95E-08	-0.11985	0.14	0.24	0.000441	M2	PMM1
ACO05618.	2.95E-08	-0.12516	0.004	0.045	0.000441	M2	ACO05618.6
ZCCHC7.3	2.98E-08	-0.12482	0.073	0.148	0.000445	M2	ZCCHC7
FOXRED1.1	2.98E-08	-0.11615	0.046	0.111	0.000445	M2	FOXRED1
INA.3	2.99E-08	-0.14815	0.004	0.045	0.000448	M2	INA
GOLIM4.3	3.02E-08	-0.12898	0.217	0.334	0.000452	M2	GOLIM4
RABL2B.1	3.06E-08	-0.11855	0.06	0.132	0.000457	M2	RABL2B
NUP54.2	3.06E-08	-0.12135	0.098	0.183	0.000458	M2	NUP54
ATAD2.3	3.08E-08	-0.11363	0.024	0.079	0.00046	M2	ATAD2
CDC37.1	3.08E-08	0.165462	0.567	0.542	0.000461	M2	CDC37
SH3BP2.4	3.10E-08	0.247612	0.197	0.134	0.000464	M2	SH3BP2
MAP3K7.2	3.13E-08	-0.12277	0.119	0.211	0.000467	M2	MAP3K7
EBPL.3	3.13E-08	-0.13478	0.197	0.31	0.000468	M2	EBPL
ERBB3.3	3.14E-08	-0.1742	0.001	0.04	0.000469	M2	ERBB3
NUP85.2	3.14E-08	-0.11134	0.057	0.128	0.000469	M2	NUP85
TRPC4AP.3	3.14E-08	-0.11609	0.156	0.257	0.00047	M2	TRPC4AP
NCAPH2.3	3.18E-08	-0.11308	0.063	0.135	0.000475	M2	NCAPH2

TOR1AIP2.	3.19E-08	-0.14521	0.156	0.258	0.000476	M2	TOR1AIP2
DKC1.1	3.20E-08	-0.11661	0.167	0.273	0.000478	M2	DKC1
RP11-315A	3.21E-08	-0.11906	0	0.038	0.00048	M2	RP11-315A16.1
NSUN6.1	3.21E-08	-0.14415	0.024	0.079	0.00048	M2	NSUN6
NRG2.2	3.22E-08	-0.10089	0.003	0.043	0.000481	M2	NRG2
SH3YL1.4	3.25E-08	-0.10232	0.101	0.187	0.000485	M2	SH3YL1
MCM3.3	3.32E-08	-0.13463	0.073	0.147	0.000496	M2	MCM3
GSTM4.3	3.32E-08	-0.1416	0.12	0.211	0.000496	M2	GSTM4
POMT2.1	3.35E-08	-0.10042	0.022	0.075	0.000501	M2	POMT2
RASAL3.5	3.37E-08	0.129812	0.102	0.054	0.000503	M2	RASAL3
EDNRB.3	3.38E-08	-0.12232	0.106	0.193	0.000505	M2	EDNRB
HMMR.2	3.40E-08	-0.12275	0.003	0.043	0.000509	M2	HMMR
NFKBIZ.5	3.43E-08	0.235029	0.24	0.17	0.000512	M2	NFKBIZ
FAM13C.2	3.44E-08	-0.1233	0.003	0.043	0.000514	M2	FAM13C
LRBA	3.44E-08	-0.10554	0.017	0.067	0.000515	M2	LRBA
THUMPD3.2	3.45E-08	-0.12598	0.111	0.2	0.000516	M2	THUMPD3
CDC5L.4	3.46E-08	-0.1188	0.181	0.288	0.000517	M2	CDC5L
PACRGL.1	3.48E-08	-0.10074	0.02	0.073	0.00052	M2	PACRGL
PAK1.5	3.48E-08	0.230385	0.235	0.165	0.000521	M2	PAK1
ORAOV1.2	3.50E-08	-0.10301	0.029	0.087	0.000523	M2	ORAOV1
ZYG11B.4	3.51E-08	-0.10513	0.077	0.154	0.000524	M2	ZYG11B
ELAVL1.2	3.52E-08	-0.13549	0.235	0.352	0.000527	M2	ELAVL1
PLB1.4	3.55E-08	0.10948	0.08	0.039	0.000531	M2	PLB1
SUGP1.2	3.57E-08	-0.11289	0.066	0.14	0.000533	M2	SUGP1
ZSCAN9	3.57E-08	-0.13908	0.027	0.082	0.000533	M2	ZSCAN9
ZNF721.1	3.58E-08	-0.11187	0.077	0.154	0.000535	M2	ZNF721
SLC25A37.3	3.64E-08	0.239993	0.367	0.306	0.000543	M2	SLC25A37
BTN3A2.2	3.65E-08	-0.20341	0.077	0.152	0.000545	M2	BTN3A2
NECAB1.4	3.65E-08	-0.17943	0.001	0.04	0.000546	M2	NECAB1
TYW5.1	3.66E-08	-0.1514	0.036	0.096	0.000547	M2	TYW5
RP11-51J9	3.69E-08	-0.13211	0.07	0.146	0.000551	M2	RP11-51J9.5
ATG3.4	3.70E-08	0.251375	0.414	0.374	0.000553	M2	ATG3
MIR4458HG	3.71E-08	-0.26211	0.091	0.165	0.000555	M2	MIR4458HG
TBC1D19.1	3.73E-08	-0.12984	0.015	0.065	0.000558	M2	TBC1D19
DDX55.3	3.75E-08	-0.15612	0.055	0.122	0.00056	M2	DDX55
ZNF7.1	3.75E-08	-0.12289	0.086	0.166	0.00056	M2	ZNF7
VWA9.2	3.76E-08	-0.11613	0.061	0.133	0.000561	M2	VWA9
PPM1B.2	3.78E-08	-0.11441	0.197	0.308	0.000565	M2	PPM1B
MSTO1.1	3.80E-08	-0.11639	0.032	0.09	0.000567	M2	MSTO1
DNTTIP1.2	3.87E-08	-0.13418	0.222	0.338	0.000578	M2	DNTTIP1
AURKB.4	3.87E-08	-0.14522	0.008	0.052	0.000578	M2	AURKB
NOM1.3	3.95E-08	-0.1056	0.054	0.12	0.00059	M2	NOM1
DDX60L.2	3.96E-08	0.176913	0.097	0.052	0.000591	M2	DDX60L
METTL21B.3	3.98E-08	-0.13389	0.018	0.068	0.000594	M2	METTL21B
MYBPC1.2	3.98E-08	-0.17697	0.005	0.047	0.000594	M2	MYBPC1
KIAA0930.4	4.04E-08	0.212377	0.206	0.14	0.000603	M2	KIAA0930
ZNF530.3	4.04E-08	-0.10406	0.014	0.062	0.000604	M2	ZNF530
C7orf49.2	4.04E-08	-0.11835	0.123	0.214	0.000604	M2	C7orf49
POLR2E.3	4.07E-08	0.173475	0.558	0.533	0.000608	M2	POLR2E
PIAS4.2	4.08E-08	-0.1308	0.065	0.136	0.00061	M2	PIAS4
SCAMP1.3	4.09E-08	-0.10327	0.126	0.22	0.000612	M2	SCAMP1

CDC20.3	4.10E-08	-0.20127	0.02	0.072	0.000613	M2	CDC20
PTTG1.4	4.11E-08	-0.22569	0.146	0.236	0.000614	M2	PTTG1
TUBD1.1	4.12E-08	-0.11405	0.031	0.088	0.000616	M2	TUBD1
DNAJB14.1	4.15E-08	-0.12752	0.116	0.206	0.00062	M2	DNAJB14
KIFC1.3	4.18E-08	-0.14235	0.014	0.062	0.000624	M2	KIFC1
PPM1D.1	4.22E-08	-0.10727	0.038	0.099	0.000631	M2	PPM1D
HAAO.4	4.25E-08	0.12674	0.051	0.021	0.000635	M2	HAAO
NOP58.3	4.25E-08	-0.14687	0.192	0.299	0.000635	M2	NOP58
BRSK2.2	4.25E-08	-0.10828	0.003	0.042	0.000636	M2	BRSK2
ZNF286A.2	4.28E-08	-0.11401	0.014	0.062	0.000639	M2	ZNF286A
BOLA3-AS1	4.28E-08	-0.1027	0.003	0.042	0.00064	M2	BOLA3-AS1
KMT2C.3	4.29E-08	-0.11965	0.167	0.268	0.000641	M2	KMT2C
LEMD1.2	4.30E-08	-0.12436	0.006	0.049	0.000642	M2	LEMD1
PDIA4.3	4.35E-08	0.203389	0.487	0.459	0.00065	M2	PDIA4
RHO.4	4.35E-08	-0.15516	0.068	0.139	0.000651	M2	RHO
SDCBP2.2	4.42E-08	-0.10652	0.005	0.047	0.000661	M2	SDCBP2
DOK4.3	4.47E-08	-0.10625	0.006	0.049	0.000668	M2	DOK4
SCAPER.1	4.52E-08	-0.1269	0.051	0.117	0.000675	M2	SCAPER
RPP14.3	4.54E-08	-0.12548	0.107	0.193	0.000678	M2	RPP14
ZNF519	4.58E-08	-0.11694	0.004	0.044	0.000685	M2	ZNF519
RCAN2.2	4.59E-08	-0.16128	0.005	0.047	0.000686	M2	RCAN2
FBXO45.1	4.61E-08	-0.10027	0.017	0.066	0.000688	M2	FBXO45
CLDN11.3	4.62E-08	-0.37023	0.006	0.048	0.000691	M2	CLDN11
AC002456.	4.64E-08	-0.14566	0.005	0.047	0.000694	M2	AC002456.2
GNL3L	4.69E-08	-0.10527	0.014	0.062	0.0007	M2	GNL3L
ATP6VOA1.	4.69E-08	-0.12496	0.185	0.292	0.000701	M2	ATP6VOA1
RREB1.5	4.74E-08	0.217321	0.117	0.068	0.000708	M2	RREB1
ZNF248.1	4.81E-08	-0.10192	0.009	0.053	0.000718	M2	ZNF248
DDX25.2	4.82E-08	-0.11204	0.003	0.042	0.000721	M2	DDX25
SPTSSB.2	4.83E-08	-0.13448	0.001	0.039	0.000721	M2	SPTSSB
PPT1.4	4.86E-08	0.121029	0.58	0.554	0.000726	M2	PPT1
GALNT15.2	4.89E-08	-0.20603	0.003	0.042	0.000731	M2	GALNT15
DDIT3.2	4.96E-08	-0.24052	0.319	0.436	0.000741	M2	DDIT3
DCLRE1C.2	5.00E-08	-0.12791	0.064	0.135	0.000747	M2	DCLRE1C
SNX7.1	5.01E-08	-0.12265	0.097	0.179	0.000748	M2	SNX7
RBMS1.3	5.04E-08	0.267842	0.304	0.246	0.000753	M2	RBMS1
VSIG10	5.04E-08	-0.12479	0.017	0.066	0.000753	M2	VSIG10
CLTB.4	5.07E-08	-0.1403	0.318	0.45	0.000757	M2	CLTB
FKBP4.4	5.09E-08	-0.12174	0.212	0.329	0.00076	M2	FKBP4
PUS7L.2	5.10E-08	-0.14086	0.088	0.167	0.000762	M2	PUS7L
CARD8.4	5.10E-08	0.214147	0.209	0.144	0.000763	M2	CARD8
CASD1.3	5.13E-08	-0.15555	0.027	0.08	0.000767	M2	CASD1
HMG20B.2	5.14E-08	-0.1254	0.227	0.344	0.000768	M2	HMG20B
CAV2.1	5.15E-08	-0.14137	0.005	0.046	0.00077	M2	CAV2
TSTD2.1	5.16E-08	-0.13362	0.026	0.079	0.000771	M2	TSTD2
RCCD1.1	5.16E-08	-0.10423	0.013	0.06	0.000771	M2	RCCD1
IL17RB.3	5.24E-08	-0.12983	0.006	0.049	0.000783	M2	IL17RB
TOMM34.1	5.31E-08	-0.13867	0.069	0.141	0.000793	M2	TOMM34
MAP7D1.4	5.35E-08	-0.11625	0.232	0.354	0.000799	M2	MAP7D1
CNTNAP3B.	5.37E-08	-0.10289	0	0.037	0.000803	M2	CNTNAP3B
CIRBP.4	5.40E-08	-0.17302	0.835	0.868	0.000807	M2	CIRBP

CLSTN3. 2	5. 40E-08	-0. 10781	0. 014	0. 062	0. 000808 M2	CLSTN3
SGPL1. 2	5. 42E-08	0. 241895	0. 186	0. 127	0. 000811 M2	SGPL1
BYSL. 2	5. 44E-08	-0. 11331	0. 047	0. 112	0. 000813 M2	BYSL
CCSER2. 3	5. 46E-08	-0. 13492	0. 142	0. 235	0. 000816 M2	CCSER2
CGGBP1. 2	5. 56E-08	-0. 12465	0. 172	0. 276	0. 000831 M2	CGGBP1
GIGYF1	5. 57E-08	-0. 15223	0. 047	0. 111	0. 000833 M2	GIGYF1
FAM133B. 2	5. 59E-08	-0. 15574	0. 341	0. 48	0. 000835 M2	FAM133B
RBM22. 2	5. 60E-08	-0. 12938	0. 199	0. 31	0. 000837 M2	RBM22
STARD8. 1	5. 62E-08	0. 100684	0. 031	0. 01	0. 00084 M2	STARD8
SH3BP1. 5	5. 66E-08	0. 211333	0. 167	0. 108	0. 000845 M2	SH3BP1
SLC25A12	5. 71E-08	-0. 13112	0. 026	0. 079	0. 000853 M2	SLC25A12
ELP2. 1	5. 72E-08	-0. 11741	0. 12	0. 209	0. 000855 M2	ELP2
FBX06. 1	5. 75E-08	0. 230664	0. 121	0. 072	0. 000859 M2	FBX06
METTL13. 1	5. 76E-08	-0. 1191	0. 059	0. 127	0. 00086 M2	METTL13
RDH13. 1	5. 78E-08	-0. 11076	0. 024	0. 077	0. 000864 M2	RDH13
RWDD4. 1	5. 82E-08	-0. 10996	0. 139	0. 233	0. 00087 M2	RWDD4
ISG20L2. 3	5. 86E-08	-0. 10963	0. 135	0. 231	0. 000876 M2	ISG20L2
NAA40	5. 91E-08	-0. 11986	0. 029	0. 085	0. 000883 M2	NAA40
WDR92. 2	5. 94E-08	-0. 13644	0. 028	0. 083	0. 000888 M2	WDR92
HECTD4. 2	5. 95E-08	-0. 12506	0. 036	0. 094	0. 000889 M2	HECTD4
CRLS1. 3	6. 10E-08	-0. 12204	0. 184	0. 29	0. 000911 M2	CRLS1
PRKAB1. 2	6. 14E-08	-0. 1333	0. 086	0. 163	0. 000918 M2	PRKAB1
TTC26. 4	6. 18E-08	-0. 11374	0. 008	0. 051	0. 000923 M2	TTC26
NHSL2. 3	6. 18E-08	0. 213488	0. 093	0. 049	0. 000924 M2	NHSL2
ARHGAP10	6. 22E-08	0. 157806	0. 066	0. 031	0. 00093 M2	ARHGAP10
SUSD4. 2	6. 23E-08	-0. 12213	0. 004	0. 044	0. 000931 M2	SUSD4
TBCCD1	6. 23E-08	-0. 10926	0. 018	0. 067	0. 000932 M2	TBCCD1
YWHAG. 5	6. 24E-08	-0. 14575	0. 278	0. 398	0. 000933 M2	YWHAG
DUS4L. 2	6. 28E-08	-0. 10932	0. 028	0. 083	0. 000938 M2	DUS4L
MTG2. 2	6. 28E-08	-0. 11278	0. 077	0. 152	0. 000939 M2	MTG2
CDK5R2. 2	6. 29E-08	-0. 13053	0	0. 036	0. 00094 M2	CDK5R2
CRTAP. 5	6. 31E-08	0. 270901	0. 295	0. 232	0. 000944 M2	CRTAP
PABPC4. 5	6. 41E-08	0. 246747	0. 381	0. 325	0. 000958 M2	PABPC4
DPY19L3. 3	6. 43E-08	-0. 10752	0. 034	0. 092	0. 000961 M2	DPY19L3
ARNTL. 2	6. 51E-08	-0. 11094	0. 04	0. 1	0. 000973 M2	ARNTL
MFSD6. 2	6. 55E-08	-0. 11455	0. 018	0. 067	0. 000978 M2	MFSD6
BBS10. 1	6. 58E-08	-0. 1045	0. 011	0. 057	0. 000983 M2	BBS10
SART3. 2	6. 58E-08	-0. 1355	0. 061	0. 13	0. 000983 M2	SART3
ATP6AP1L. 6	6. 59E-08	-0. 12249	0. 006	0. 048	0. 000985 M2	ATP6AP1L
TRA2B. 3	6. 68E-08	-0. 16729	0. 407	0. 549	0. 000998 M2	TRA2B
NEK11. 3	6. 68E-08	-0. 1202	0. 008	0. 05	0. 000998 M2	NEK11
NFIC. 2	6. 69E-08	-0. 15175	0. 328	0. 441	0. 001 M2	NFIC
CDCA5. 3	6. 71E-08	-0. 10724	0. 006	0. 048	0. 001003 M2	CDCA5
PBRM1. 4	6. 83E-08	-0. 1068	0. 151	0. 246	0. 00102 M2	PBRM1
ZNF625. 1	6. 86E-08	-0. 10121	0. 009	0. 052	0. 001025 M2	ZNF625
TRIM32. 1	6. 87E-08	-0. 12816	0. 014	0. 061	0. 001027 M2	TRIM32
SDHA	6. 95E-08	-0. 15836	0. 204	0. 313	0. 001038 M2	SDHA
PRCP. 2	6. 95E-08	-0. 15868	0. 248	0. 363	0. 001039 M2	PRCP
CENPA. 5	6. 98E-08	-0. 15813	0. 009	0. 052	0. 001043 M2	CENPA
GFM1. 1	6. 99E-08	-0. 15535	0. 109	0. 192	0. 001045 M2	GFM1
FAM126B. 2	7. 01E-08	-0. 13382	0. 072	0. 144	0. 001048 M2	FAM126B



APOA1BP. 1	7. 08E-08	-0. 12192	0. 259	0. 383	0. 001058	M2	APOA1BP
CRYZL1	7. 17E-08	-0. 13163	0. 172	0. 275	0. 001071	M2	CRYZL1
FABP6. 4	7. 18E-08	-0. 14726	0. 003	0. 041	0. 001072	M2	FABP6
SASH1. 2	7. 18E-08	-0. 10881	0. 022	0. 073	0. 001073	M2	SASH1
LRCH4. 5	7. 21E-08	0. 230275	0. 252	0. 184	0. 001078	M2	LRCH4
AC084219. 7. 27E-08	-0. 10861	0. 001	0. 038	0. 001086	M2	AC084219. 4	
TMEM161A. 7. 27E-08	-0. 11398	0. 095	0. 177	0. 001086	M2	TMEM161A	
TRAPPC12. 7. 28E-08	-0. 11014	0. 116	0. 203	0. 001088	M2	TRAPPC12	
CDK11B	7. 30E-08	-0. 10733	0. 074	0. 148	0. 00109	M2	CDK11B
NOTCH4. 1	7. 34E-08	-0. 11574	0. 017	0. 065	0. 001097	M2	NOTCH4
LINGO1. 2	7. 37E-08	-0. 11837	0. 001	0. 038	0. 001101	M2	LINGO1
DDX6. 1	7. 44E-08	-0. 14986	0. 116	0. 203	0. 001112	M2	DDX6
PDHB. 3	7. 44E-08	-0. 15308	0. 248	0. 371	0. 001112	M2	PDHB
NDUFB1. 2	7. 56E-08	0. 1492	0. 618	0. 592	0. 00113	M2	NDUFB1
U2SURP. 2	7. 58E-08	-0. 12067	0. 254	0. 378	0. 001132	M2	U2SURP
GIGYF2. 1	7. 64E-08	-0. 13298	0. 1	0. 181	0. 001141	M2	GIGYF2
RINT1. 3	7. 68E-08	-0. 12187	0. 04	0. 099	0. 001147	M2	RINT1
HS3ST3B1. 7. 69E-08	0. 137851	0. 078	0. 039	0. 001149	M2	HS3ST3B1	
ARMC9. 2	7. 73E-08	-0. 11033	0. 022	0. 073	0. 001155	M2	ARMC9
ZNF789. 1	7. 74E-08	-0. 10089	0. 028	0. 083	0. 001156	M2	ZNF789
ASL. 3	7. 83E-08	0. 245309	0. 229	0. 167	0. 00117	M2	ASL
PSMG3. 4	7. 94E-08	-0. 1056	0. 22	0. 335	0. 001186	M2	PSMG3
TUSC1. 3	7. 96E-08	-0. 12257	0. 028	0. 082	0. 001189	M2	TUSC1
CHST9	7. 97E-08	-0. 11258	0	0. 036	0. 001191	M2	CHST9
BNIP1. 4	8. 00E-08	-0. 14996	0. 057	0. 124	0. 001195	M2	BNIP1
EIF4ENIF1	8. 03E-08	-0. 10624	0. 02	0. 071	0. 0012	M2	EIF4ENIF1
KCNN2. 2	8. 04E-08	-0. 10324	0. 001	0. 038	0. 001201	M2	KCNN2
UMPS. 3	8. 04E-08	-0. 11146	0. 066	0. 138	0. 001202	M2	UMPS
GLUD1. 3	8. 09E-08	0. 199125	0. 313	0. 243	0. 001208	M2	GLUD1
MMAB. 3	8. 09E-08	-0. 10383	0. 115	0. 203	0. 001209	M2	MMAB
TWSG1. 1	8. 13E-08	-0. 15239	0. 089	0. 168	0. 001214	M2	TWSG1
MCM4. 4	8. 17E-08	-0. 10068	0. 04	0. 1	0. 001221	M2	MCM4
SCFD2. 2	8. 18E-08	-0. 11134	0. 034	0. 092	0. 001222	M2	SCFD2
MYC. 3	8. 21E-08	-0. 25934	0. 098	0. 175	0. 001226	M2	MYC
TTY15. 2	8. 21E-08	-0. 1196	0. 013	0. 058	0. 001227	M2	TTY15
CHMP7. 4	8. 38E-08	-0. 11332	0. 101	0. 182	0. 001253	M2	CHMP7
YIPF4. 2	8. 48E-08	-0. 15077	0. 261	0. 382	0. 001268	M2	YIPF4
WSB2. 5	8. 50E-08	-0. 10923	0. 137	0. 23	0. 001271	M2	WSB2
PTMA. 5	8. 54E-08	-0. 17685	0. 994	0. 965	0. 001276	M2	PTMA
POMT1. 4	8. 54E-08	-0. 10857	0. 07	0. 142	0. 001276	M2	POMT1
DIO2. 1	8. 73E-08	-0. 14316	0. 001	0. 038	0. 001305	M2	DIO2
FAM160A2. 8. 83E-08	-0. 10287	0. 052	0. 118	0. 00132	M2	FAM160A2	
RORB. 2	8. 86E-08	-0. 14239	0. 003	0. 04	0. 001324	M2	RORB
RDH11. 3	8. 91E-08	-0. 14559	0. 268	0. 396	0. 001331	M2	RDH11
SPOCK3. 3	8. 97E-08	-0. 24882	0	0. 035	0. 00134	M2	SPOCK3
CARHSP1. 4	9. 02E-08	-0. 15801	0. 307	0. 431	0. 001348	M2	CARHSP1
RTN3. 3	9. 04E-08	-0. 18986	0. 556	0. 662	0. 001351	M2	RTN3
PLIN3. 2	9. 11E-08	0. 201263	0. 407	0. 355	0. 001361	M2	PLIN3
FAM127C. 2	9. 20E-08	-0. 12932	0. 046	0. 108	0. 001374	M2	FAM127C
SRSF7. 2	9. 23E-08	-0. 17411	0. 447	0. 601	0. 001379	M2	SRSF7
NOTCH1. 2	9. 24E-08	-0. 10356	0. 051	0. 115	0. 00138	M2	NOTCH1

C10orf107	9.33E-08	-0.103	0.003	0.04	0.001394	M2	C10orf107
SPEN.2	9.38E-08	-0.11141	0.087	0.164	0.001402	M2	SPEN
CASP3.3	9.40E-08	-0.13688	0.116	0.203	0.001405	M2	CASP3
R3HDM2.3	9.57E-08	-0.11613	0.093	0.172	0.00143	M2	R3HDM2
TTC7A.5	9.59E-08	0.164929	0.123	0.071	0.001433	M2	TTC7A
PXDC1.2	9.66E-08	-0.10308	0.082	0.157	0.001444	M2	PXDC1
RNF187.3	9.74E-08	-0.15222	0.272	0.385	0.001455	M2	RNF187
RP11-798M	9.74E-08	0.308728	0.202	0.145	0.001455	M2	RP11-798M19.6
TSNAX	9.75E-08	-0.16116	0.216	0.325	0.001457	M2	TSNAX
ZFP36L2.5	9.76E-08	0.116364	0.581	0.511	0.001459	M2	ZFP36L2
RARRES3.2	9.80E-08	-0.34279	0.162	0.249	0.001464	M2	RARRES3
FAM66C	9.80E-08	-0.12158	0.005	0.045	0.001465	M2	FAM66C
TDG.3	9.90E-08	-0.11624	0.175	0.28	0.001479	M2	TDG
CLCN4.4	9.91E-08	-0.1285	0.013	0.058	0.001482	M2	CLCN4
ZSCAN16.2	1.02E-07	-0.1138	0.018	0.066	0.001521	M2	ZSCAN16
METTL18.1	1.02E-07	-0.12425	0.022	0.072	0.001525	M2	METTL18
ARPC5L.3	1.02E-07	-0.12432	0.257	0.378	0.001532	M2	ARPC5L
TWISTNB.1	1.03E-07	-0.12176	0.172	0.276	0.001542	M2	TWISTNB
SCN9A.2	1.03E-07	-0.141	0.001	0.038	0.001546	M2	SCN9A
CDKN2AIP.1	1.04E-07	-0.15069	0.079	0.152	0.001549	M2	CDKN2AIP
EIF2B4.3	1.05E-07	-0.1034	0.109	0.193	0.001568	M2	EIF2B4
FLVCR1.1	1.05E-07	-0.10145	0.028	0.082	0.001576	M2	FLVCR1
HAUS3.1	1.06E-07	-0.11454	0.032	0.088	0.001577	M2	HAUS3
LRP12.2	1.07E-07	-0.11328	0.038	0.097	0.001595	M2	LRP12
CYP2U1.1	1.08E-07	-0.11024	0.011	0.055	0.001608	M2	CYP2U1
CCNE2.2	1.08E-07	-0.14481	0.015	0.062	0.001616	M2	CCNE2
PRPF4B.3	1.10E-07	-0.10344	0.178	0.28	0.001637	M2	PRPF4B
NGDN.3	1.10E-07	-0.13762	0.17	0.27	0.001639	M2	NGDN
APOLD1.2	1.10E-07	-0.10865	0.009	0.051	0.00164	M2	APOLD1
MAG.3	1.10E-07	-0.37885	0.003	0.04	0.001645	M2	MAG
ZNF224.1	1.10E-07	-0.10936	0.046	0.108	0.001645	M2	ZNF224
BAG2.1	1.11E-07	-0.10857	0.028	0.082	0.00166	M2	BAG2
DPH2.3	1.12E-07	-0.11594	0.055	0.12	0.001678	M2	DPH2
ATAD1.1	1.13E-07	-0.13797	0.095	0.171	0.001693	M2	ATAD1
RP11-545E	1.14E-07	0.197079	0.088	0.047	0.001698	M2	RP11-545E17.3
BLZF1.1	1.15E-07	-0.14109	0.056	0.121	0.001714	M2	BLZF1
HHLA3.5	1.17E-07	-0.15738	0.073	0.144	0.001749	M2	HHLA3
PRMT5.4	1.17E-07	-0.13944	0.082	0.156	0.00175	M2	PRMT5
CDKN1C.4	1.18E-07	-0.2285	0.056	0.118	0.001757	M2	CDKN1C
WBSCR16.3	1.18E-07	-0.1048	0.077	0.15	0.00176	M2	WBSCR16
ZNF781.1	1.18E-07	-0.10394	0.006	0.047	0.001767	M2	ZNF781
GTF3A.5	1.19E-07	0.186674	0.529	0.503	0.001773	M2	GTF3A
SLC32A1.3	1.19E-07	-0.1451	0.003	0.04	0.001776	M2	SLC32A1
RCHY1.2	1.19E-07	-0.14967	0.12	0.206	0.001777	M2	RCHY1
PNKD.3	1.19E-07	-0.17057	0.34	0.465	0.001782	M2	PNKD
CRB2.3	1.20E-07	-0.14106	0.006	0.047	0.001796	M2	CRB2
NUF2.5	1.20E-07	-0.16079	0.018	0.065	0.001797	M2	NUF2
ALDH16A1.1	1.22E-07	0.237014	0.172	0.116	0.001817	M2	ALDH16A1
DIP2B.4	1.23E-07	-0.12057	0.057	0.123	0.001838	M2	DIP2B
NDUFB3.4	1.23E-07	0.131459	0.57	0.552	0.001839	M2	NDUFB3
CCNA2.4	1.23E-07	-0.14805	0.014	0.059	0.00184	M2	CCNA2

SLC17A5. 4	1. 24E-07	0. 232417	0. 157	0. 102	0. 00185	M2	SLC17A5
HJURP. 3	1. 24E-07	-0. 12964	0. 004	0. 042	0. 00185	M2	HJURP
FOXP1. 3	1. 25E-07	0. 154148	0. 3	0. 225	0. 001865	M2	FOXP1
C5orf28. 2	1. 26E-07	-0. 11833	0. 057	0. 123	0. 00188	M2	C5orf28
ERCC4. 3	1. 27E-07	-0. 11182	0. 065	0. 134	0. 001891	M2	ERCC4
SLC35A1	1. 27E-07	-0. 11158	0. 07	0. 141	0. 001894	M2	SLC35A1
B3GALT2. 1	1. 27E-07	-0. 12397	0. 001	0. 037	0. 001895	M2	B3GALT2
PDE1C. 1	1. 28E-07	-0. 12625	0. 004	0. 042	0. 00191	M2	PDE1C
CHRNE. 4	1. 31E-07	0. 122419	0. 055	0. 024	0. 001964	M2	CHRNE
MPHOSPH6. 1	1. 32E-07	0. 274158	0. 341	0. 287	0. 001966	M2	MPHOSPH6
MALT1. 5	1. 36E-07	0. 197678	0. 119	0. 071	0. 002025	M2	MALT1
DFNA5. 2	1. 36E-07	-0. 15392	0. 119	0. 201	0. 002026	M2	DFNA5
TRIP13	1. 36E-07	-0. 10264	0. 008	0. 049	0. 002029	M2	TRIP13
ACHE. 2	1. 37E-07	-0. 1199	0. 006	0. 046	0. 002042	M2	ACHE
TBCA. 4	1. 37E-07	-0. 19915	0. 635	0. 716	0. 002048	M2	TBCA
C1orf53. 3	1. 42E-07	-0. 10766	0. 032	0. 087	0. 002117	M2	C1orf53
IL2RG. 3	1. 42E-07	0. 125681	0. 08	0. 04	0. 002121	M2	IL2RG
FANCG	1. 44E-07	-0. 1064	0. 019	0. 067	0. 002147	M2	FANCG
CKAP2L. 4	1. 44E-07	-0. 13223	0. 008	0. 048	0. 002149	M2	CKAP2L
PCGF5. 2	1. 46E-07	0. 245772	0. 236	0. 175	0. 002183	M2	PCGF5
C9orf72. 5	1. 47E-07	0. 22735	0. 208	0. 146	0. 002197	M2	C9orf72
MYT1. 3	1. 48E-07	-0. 12781	0. 004	0. 042	0. 002205	M2	MYT1
EDIL3. 3	1. 50E-07	-0. 22725	0	0. 034	0. 002237	M2	EDIL3
FAM173B. 3	1. 50E-07	-0. 1093	0. 019	0. 067	0. 002241	M2	FAM173B
AP5M1. 2	1. 52E-07	-0. 13655	0. 087	0. 16	0. 002264	M2	AP5M1
GPCPD1. 3	1. 52E-07	0. 279594	0. 252	0. 194	0. 002266	M2	GPCPD1
ADAT1	1. 52E-07	-0. 11788	0. 05	0. 112	0. 002274	M2	ADAT1
C2orf42. 1	1. 52E-07	-0. 10443	0. 017	0. 063	0. 002277	M2	C2orf42
JOSD1. 5	1. 52E-07	0. 310338	0. 209	0. 154	0. 002278	M2	JOSD1
FOXM1. 3	1. 54E-07	-0. 10614	0. 011	0. 055	0. 002303	M2	FOXM1
SLC04A1. 2	1. 55E-07	0. 168765	0. 068	0. 033	0. 002313	M2	SLC04A1
PACRG. 2	1. 55E-07	-0. 12473	0. 003	0. 039	0. 002321	M2	PACRG
OAS1. 3	1. 57E-07	0. 134372	0. 195	0. 128	0. 002342	M2	OAS1
ORC5. 4	1. 59E-07	-0. 11302	0. 043	0. 103	0. 002374	M2	ORC5
FAHD2B. 2	1. 60E-07	-0. 12526	0. 032	0. 086	0. 002393	M2	FAHD2B
ZNF35. 1	1. 60E-07	-0. 10354	0. 015	0. 061	0. 002396	M2	ZNF35
B4GALT3. 2	1. 61E-07	-0. 11463	0. 133	0. 224	0. 0024	M2	B4GALT3
RUNX1T1. 2	1. 62E-07	-0. 10133	0. 001	0. 037	0. 002414	M2	RUNX1T1
MAPK8IP3. 1	1. 65E-07	-0. 10777	0. 036	0. 092	0. 00247	M2	MAPK8IP3
SLITRK2. 2	1. 66E-07	-0. 11032	0. 001	0. 036	0. 002483	M2	SLITRK2
ANKRD40. 2	1. 68E-07	-0. 12537	0. 101	0. 18	0. 002511	M2	ANKRD40
PPIL6. 4	1. 70E-07	-0. 10534	0. 009	0. 05	0. 002538	M2	PPIL6
CEP44. 1	1. 71E-07	-0. 13048	0. 02	0. 069	0. 002553	M2	CEP44
COMMD8. 5	1. 71E-07	0. 227748	0. 284	0. 22	0. 002562	M2	COMMD8
TOR1AIP1. 1	1. 72E-07	-0. 13782	0. 106	0. 187	0. 002572	M2	TOR1AIP1
COPS3. 1	1. 76E-07	-0. 12597	0. 255	0. 377	0. 00263	M2	COPS3
AKT3. 1	1. 78E-07	-0. 11881	0. 014	0. 059	0. 002654	M2	AKT3
PHF5A. 1	1. 79E-07	-0. 12793	0. 222	0. 335	0. 002672	M2	PHF5A
PINLYP. 3	1. 79E-07	-0. 14816	0. 013	0. 057	0. 002672	M2	PINLYP
EPHX2. 2	1. 79E-07	-0. 12598	0. 004	0. 041	0. 002681	M2	EPHX2
SLC24A2. 3	1. 82E-07	-0. 17283	0	0. 034	0. 002723	M2	SLC24A2

MBD6. 3	1. 83E-07	-0. 16211	0. 075	0. 144	0. 002738	M2	MBD6
LINC00237	1. 84E-07	-0. 10103	0. 001	0. 036	0. 00275	M2	LINC00237
FCAR. 1	1. 87E-07	0. 100732	0. 023	0. 006	0. 002796	M2	FCAR
CRIM1. 4	1. 88E-07	-0. 10941	0. 019	0. 066	0. 002812	M2	CRIM1
ING3. 1	1. 90E-07	-0. 14417	0. 11	0. 19	0. 002842	M2	ING3
BCDIN3D	1. 92E-07	-0. 10344	0. 015	0. 061	0. 002865	M2	BCDIN3D
ZIK1. 2	1. 92E-07	-0. 1068	0. 011	0. 054	0. 002877	M2	ZIK1
LUZP1. 1	1. 94E-07	-0. 14221	0. 111	0. 193	0. 002896	M2	LUZP1
USP31. 4	1. 94E-07	-0. 10503	0. 011	0. 054	0. 002905	M2	USP31
MESDC1. 3	1. 95E-07	0. 285481	0. 174	0. 12	0. 002907	M2	MESDC1
NOP16. 4	1. 95E-07	-0. 11937	0. 117	0. 205	0. 002908	M2	NOP16
FAM78A. 4	1. 97E-07	0. 105927	0. 069	0. 033	0. 002951	M2	FAM78A
PDE9A. 2	1. 99E-07	-0. 13229	0. 024	0. 074	0. 00297	M2	PDE9A
ZNF783. 1	1. 99E-07	-0. 12288	0. 015	0. 06	0. 002974	M2	ZNF783
MEAF6. 4	2. 00E-07	-0. 1377	0. 35	0. 486	0. 002986	M2	MEAF6
ARSK	2. 00E-07	-0. 12705	0. 013	0. 056	0. 002995	M2	ARSK
YPEL5. 3	2. 03E-07	0. 201046	0. 485	0. 45	0. 003032	M2	YPEL5
DACT1	2. 05E-07	-0. 10762	0	0. 033	0. 003064	M2	DACT1
RP11-676J	2. 05E-07	-0. 11942	0	0. 033	0. 003064	M2	RP11-676J15. 1
PDZRN4. 3	2. 06E-07	-0. 14137	0. 004	0. 041	0. 003071	M2	PDZRN4
PRCD. 2	2. 10E-07	-0. 17919	0. 001	0. 036	0. 003142	M2	PRCD
UCK1. 1	2. 10E-07	-0. 13539	0. 11	0. 19	0. 003144	M2	UCK1
IRF7. 5	2. 11E-07	0. 245869	0. 216	0. 157	0. 003152	M2	IRF7
EIF1B. 4	2. 11E-07	-0. 192	0. 461	0. 597	0. 003154	M2	EIF1B
DUSP4. 4	2. 12E-07	0. 354633	0. 23	0. 176	0. 003167	M2	DUSP4
RPA2. 1	2. 13E-07	-0. 12335	0. 216	0. 327	0. 003181	M2	RPA2
PUM1. 3	2. 15E-07	-0. 11755	0. 149	0. 243	0. 003214	M2	PUM1
HSPA1B. 4	2. 17E-07	-0. 19796	0. 305	0. 418	0. 003244	M2	HSPA1B
GBAS. 2	2. 19E-07	-0. 10352	0. 282	0. 408	0. 003273	M2	GBAS
TRNT1. 2	2. 19E-07	-0. 12705	0. 068	0. 136	0. 003274	M2	TRNT1
MYLIP. 5	2. 20E-07	0. 183578	0. 188	0. 125	0. 003284	M2	MYLIP
SLC50A1. 4	2. 21E-07	0. 287605	0. 221	0. 164	0. 003305	M2	SLC50A1
AC113189.	2. 21E-07	-0. 11702	0. 02	0. 069	0. 00331	M2	AC113189. 5
RAPGEF5. 3	2. 24E-07	-0. 21426	0. 006	0. 045	0. 003342	M2	RAPGEF5
PLK1. 3	2. 30E-07	-0. 16006	0. 014	0. 057	0. 003433	M2	PLK1
KCND2. 2	2. 30E-07	-0. 10798	0. 003	0. 038	0. 003445	M2	KCND2
KLK6. 3	2. 31E-07	-0. 27775	0	0. 033	0. 003448	M2	KLK6
RP11-539L	2. 31E-07	-0. 14325	0. 042	0. 1	0. 003452	M2	RP11-539L10. 3
STAT1. 3	2. 32E-07	-0. 14477	0. 144	0. 236	0. 003472	M2	STAT1
LINC00672	2. 35E-07	-0. 13249	0. 011	0. 054	0. 00351	M2	LINC00672
MROH8	2. 37E-07	-0. 1168	0. 004	0. 041	0. 003541	M2	MROH8
GYG1. 2	2. 43E-07	0. 25502	0. 308	0. 25	0. 003632	M2	GYG1
FUNDC1. 4	2. 43E-07	-0. 13394	0. 157	0. 252	0. 003634	M2	FUNDC1
CDK13	2. 44E-07	-0. 11546	0. 059	0. 123	0. 003649	M2	CDK13
TCEAL6. 2	2. 45E-07	-0. 13774	0. 003	0. 038	0. 003657	M2	TCEAL6
CEBPA. 4	2. 45E-07	0. 175852	0. 158	0. 1	0. 003657	M2	CEBPA
MYNN. 1	2. 47E-07	-0. 12507	0. 047	0. 107	0. 003693	M2	MYNN
CDK2. 2	2. 47E-07	-0. 11006	0. 033	0. 087	0. 003694	M2	CDK2
SLC9A9. 4	2. 47E-07	0. 157759	0. 125	0. 075	0. 003695	M2	SLC9A9
TRIP11. 1	2. 47E-07	-0. 106	0. 112	0. 194	0. 003695	M2	TRIP11
SIGLEC5. 1	2. 51E-07	0. 100369	0. 036	0. 013	0. 003753	M2	SIGLEC5

PPWD1.1	2.52E-07	-0.13572	0.054	0.116	0.003772	M2	PPWD1
ZNF274.2	2.54E-07	-0.11826	0.054	0.116	0.003793	M2	ZNF274
PRKAR1B.3	2.54E-07	-0.10187	0.065	0.132	0.003797	M2	PRKAR1B
APCDD1	2.57E-07	-0.11273	0.003	0.038	0.003833	M2	APCDD1
BCL11B.2	2.73E-07	-0.13601	0.001	0.035	0.00408	M2	BCL11B
ATP6V1C1	2.73E-07	0.253013	0.298	0.24	0.004085	M2	ATP6V1C1
LRRC8D.2	2.74E-07	-0.10908	0.041	0.098	0.004098	M2	LRRC8D
NSL1.2	2.76E-07	-0.12186	0.239	0.354	0.004128	M2	NSL1
FEZ2.4	2.81E-07	-0.15335	0.336	0.457	0.004198	M2	FEZ2
SERPINB8	2.81E-07	0.207807	0.123	0.075	0.004199	M2	SERPINB8
SLC1A3.4	2.84E-07	-0.23784	0.379	0.484	0.00425	M2	SLC1A3
EXOSC10.1	2.88E-07	-0.1031	0.079	0.151	0.004309	M2	EXOSC10
PDE6D.3	2.91E-07	-0.11802	0.114	0.194	0.004346	M2	PDE6D
WFDC2.1	2.92E-07	-0.11177	0	0.033	0.004366	M2	WFDC2
TRMU.1	2.92E-07	-0.11529	0.069	0.136	0.004367	M2	TRMU
BCAS3	2.95E-07	-0.11533	0.024	0.073	0.004402	M2	BCAS3
RASSF5.5	2.95E-07	0.176613	0.176	0.115	0.00441	M2	RASSF5
GTSF1	2.96E-07	0.153539	0.029	0.01	0.004421	M2	GTSF1
CAPNS1.4	3.00E-07	0.282961	0.378	0.337	0.004482	M2	CAPNS1
LUZP2.2	3.00E-07	-0.12045	0.01	0.051	0.004482	M2	LUZP2
FLYWCH2.2	3.00E-07	-0.10958	0.208	0.317	0.004486	M2	FLYWCH2
MBD2.1	3.01E-07	0.182789	0.106	0.062	0.004495	M2	MBD2
SRSF11.2	3.01E-07	-0.16825	0.414	0.548	0.004505	M2	SRSF11
RP11-436K	3.04E-07	-0.10076	0	0.032	0.004541	M2	RP11-436K8.1
EEF1E1.2	3.07E-07	-0.10363	0.211	0.323	0.004583	M2	EEF1E1
TMEM160.4	3.07E-07	-0.14094	0.354	0.474	0.004587	M2	TMEM160
GALNT13.2	3.08E-07	-0.14474	0.008	0.046	0.0046	M2	GALNT13
SUCLG1.3	3.13E-07	-0.13497	0.317	0.445	0.004671	M2	SUCLG1
CSGALNACT	3.14E-07	-0.19336	0.028	0.078	0.004696	M2	CSGALNACT1
ZBED3.3	3.18E-07	-0.10567	0.037	0.092	0.004757	M2	ZBED3
LENG1.2	3.20E-07	-0.10715	0.121	0.207	0.004777	M2	LENG1
TIMM8B.3	3.20E-07	0.152116	0.571	0.542	0.004788	M2	TIMM8B
CAB39L.3	3.23E-07	-0.10793	0.027	0.077	0.004827	M2	CAB39L
HAPLN2.3	3.28E-07	-0.17225	0.001	0.035	0.004901	M2	HAPLN2
LINC00599	3.28E-07	-0.13306	0.003	0.037	0.004905	M2	LINC00599
ATP5D.4	3.29E-07	-0.15391	0.534	0.62	0.004912	M2	ATP5D
LSM2.2	3.30E-07	-0.12131	0.327	0.456	0.004927	M2	LSM2
WDR26.2	3.32E-07	0.272839	0.211	0.157	0.004961	M2	WDR26
MAML3.4	3.34E-07	0.13957	0.068	0.033	0.004989	M2	MAML3
DUSP3.2	3.38E-07	0.293347	0.226	0.172	0.005047	M2	DUSP3
LHX1.1	3.42E-07	-0.12563	0	0.032	0.005109	M2	LHX1
HOTAIRM1	3.47E-07	-0.19966	0.112	0.187	0.005188	M2	HOTAIRM1
NCAPG.3	3.49E-07	-0.10549	0.006	0.044	0.00521	M2	NCAPG
PIGF.4	3.50E-07	-0.13487	0.192	0.294	0.005224	M2	PIGF
CHCHD3.2	3.50E-07	-0.11495	0.259	0.377	0.005232	M2	CHCHD3
NARS.2	3.53E-07	-0.15167	0.318	0.446	0.005273	M2	NARS
KANSL2.2	3.54E-07	-0.10421	0.083	0.154	0.005289	M2	KANSL2
HSD17B4.2	3.55E-07	0.259516	0.295	0.237	0.00531	M2	HSD17B4
ACTR3.3	3.56E-07	0.118351	0.564	0.559	0.005315	M2	ACTR3
NDUFAF7	3.57E-07	-0.11154	0.04	0.095	0.005329	M2	NDUFAF7
HOXA-AS2	3.63E-07	-0.1284	0.004	0.039	0.00542	M2	HOXA-AS2

SELM. 3	3. 67E-07	0. 189208	0. 249	0. 184	0. 005484	M2	SELM
KCNMB2. 1	3. 67E-07	-0. 1171	0. 001	0. 035	0. 005487	M2	KCNMB2
UNC5B. 4	3. 67E-07	0. 217411	0. 13	0. 08	0. 00549	M2	UNC5B
MICU2. 2	3. 72E-07	-0. 11629	0. 149	0. 24	0. 005563	M2	MICU2
AC093818. 1	3. 73E-07	0. 114172	0. 033	0. 012	0. 005575	M2	AC093818. 1
AGAP2. 3	3. 75E-07	-0. 10453	0. 015	0. 059	0. 005608	M2	AGAP2
ABHD5. 1	3. 75E-07	0. 227936	0. 161	0. 108	0. 00561	M2	ABHD5
LOH12CR2	3. 77E-07	-0. 10779	0. 014	0. 057	0. 005631	M2	LOH12CR2
TJAP1	3. 78E-07	-0. 10143	0. 041	0. 097	0. 005653	M2	TJAP1
GLB1. 2	3. 91E-07	0. 253015	0. 299	0. 241	0. 00584	M2	GLB1
NIF3L1. 1	3. 92E-07	-0. 12238	0. 061	0. 125	0. 005851	M2	NIF3L1
B3GNT5. 5	3. 92E-07	0. 248133	0. 194	0. 138	0. 005854	M2	B3GNT5
SMIM8. 1	3. 94E-07	-0. 10495	0. 05	0. 11	0. 005888	M2	SMIM8
HIBADH. 2	3. 98E-07	-0. 14142	0. 144	0. 234	0. 005947	M2	HIBADH
FOLR1. 2	3. 99E-07	-0. 1951	0. 003	0. 037	0. 005967	M2	FOLR1
ZNF681	4. 05E-07	-0. 10209	0. 006	0. 044	0. 006059	M2	ZNF681
OXA1L. 4	4. 09E-07	0. 183229	0. 356	0. 297	0. 006111	M2	OXA1L
ECT2. 3	4. 09E-07	-0. 10366	0. 011	0. 052	0. 006114	M2	ECT2
MGEA5. 2	4. 11E-07	-0. 11513	0. 149	0. 238	0. 00614	M2	MGEA5
WIPF3. 5	4. 11E-07	-0. 13337	0. 041	0. 096	0. 006143	M2	WIPF3
ADRBK1. 5	4. 16E-07	0. 232848	0. 139	0. 089	0. 006213	M2	ADRBK1
TMBIM4. 4	4. 17E-07	0. 131933	0. 101	0. 056	0. 006237	M2	TMBIM4
NYAP1. 3	4. 20E-07	-0. 11123	0. 004	0. 039	0. 006282	M2	NYAP1
KIF2C. 3	4. 22E-07	-0. 11493	0. 008	0. 046	0. 006306	M2	KIF2C
TTYH3. 4	4. 22E-07	0. 370035	0. 29	0. 244	0. 00631	M2	TTYH3
IPO13. 3	4. 26E-07	-0. 10771	0. 051	0. 111	0. 006368	M2	IPO13
MAP1LC3B. 1	4. 27E-07	0. 159694	0. 572	0. 565	0. 006387	M2	MAP1LC3B
GSAP. 4	4. 35E-07	0. 143602	0. 125	0. 076	0. 006503	M2	GSAP
MOSPD3. 2	4. 36E-07	-0. 10273	0. 193	0. 294	0. 00652	M2	MOSPD3
TMED2. 2	4. 38E-07	0. 103081	0. 616	0. 611	0. 00654	M2	TMED2
C15orf41. 1	4. 41E-07	-0. 11325	0. 013	0. 054	0. 006583	M2	C15orf41
CENPK. 3	4. 42E-07	-0. 12797	0. 046	0. 103	0. 006607	M2	CENPK
PLK2. 3	4. 45E-07	-0. 16316	0. 074	0. 141	0. 006645	M2	PLK2
ACO2	4. 54E-07	-0. 1474	0. 261	0. 372	0. 006783	M2	ACO2
SLC9A3R1. 1	4. 58E-07	-0. 11373	0. 084	0. 155	0. 006843	M2	SLC9A3R1
TMEM50B. 3	4. 61E-07	-0. 10124	0. 203	0. 31	0. 006889	M2	TMEM50B
CNPY2. 4	4. 62E-07	-0. 14488	0. 443	0. 577	0. 006907	M2	CNPY2
PDE1B. 2	4. 67E-07	0. 109856	0. 045	0. 019	0. 00698	M2	PDE1B
NGFR. 2	4. 67E-07	-0. 12364	0. 004	0. 039	0. 006985	M2	NGFR
SF3B1. 3	4. 69E-07	-0. 16464	0. 322	0. 444	0. 00701	M2	SF3B1
MEGF9. 2	4. 73E-07	-0. 10956	0. 041	0. 096	0. 007063	M2	MEGF9
SEPT9. 3	4. 74E-07	-0. 11386	0. 244	0. 348	0. 007086	M2	9-Sep
SNRPN. 5	4. 80E-07	-0. 34284	0. 046	0. 102	0. 007167	M2	SNRPN
CA10. 2	4. 82E-07	-0. 13615	0. 001	0. 034	0. 007208	M2	CA10
WDR19. 4	4. 83E-07	-0. 10994	0. 01	0. 05	0. 007214	M2	WDR19
CKMT2-AS1. 1	4. 84E-07	-0. 10352	0. 006	0. 043	0. 007232	M2	CKMT2-AS1
TBC1D9. 5	4. 86E-07	0. 147809	0. 092	0. 051	0. 007262	M2	TBC1D9
MAGT1. 1	4. 86E-07	0. 24672	0. 254	0. 199	0. 007265	M2	MAGT1
MOSPD1. 3	4. 88E-07	-0. 13132	0. 069	0. 134	0. 00729	M2	MOSPD1
EID1. 3	4. 90E-07	-0. 19335	0. 617	0. 714	0. 007323	M2	EID1
ABHD14B. 4	4. 92E-07	0. 253586	0. 231	0. 175	0. 007357	M2	ABHD14B

PLD3. 3	4. 95E-07	0. 134312	0. 526	0. 529	0. 007402	M2	PLD3
ZCWPW1. 1	4. 99E-07	-0. 12007	0. 018	0. 062	0. 007453	M2	ZCWPW1
ATP13A1. 2	5. 07E-07	-0. 11749	0. 093	0. 166	0. 00758	M2	ATP13A1
RP11-160C	5. 15E-07	0. 151588	0. 057	0. 027	0. 007698	M2	RP11-16005. 1
DOCK10. 5	5. 17E-07	0. 205585	0. 179	0. 122	0. 007723	M2	DOCK10
IDH3G. 3	5. 30E-07	0. 204919	0. 439	0. 4	0. 007918	M2	IDH3G
GLTP. 3	5. 31E-07	-0. 15558	0. 18	0. 274	0. 00793	M2	GLTP
CXCL14. 2	5. 31E-07	-0. 2172	0. 078	0. 146	0. 007934	M2	CXCL14
EBI3. 5	5. 32E-07	0. 107886	0. 149	0. 092	0. 007953	M2	EBI3
MON2	5. 33E-07	-0. 10997	0. 041	0. 096	0. 007972	M2	MON2
TTC8. 2	5. 38E-07	-0. 10263	0. 037	0. 091	0. 008043	M2	TTC8
SP9. 4	5. 40E-07	-0. 13835	0. 006	0. 043	0. 008065	M2	SP9
RAB11FIP4	5. 40E-07	-0. 14374	0. 006	0. 043	0. 008069	M2	RAB11FIP4
LRRC61. 4	5. 50E-07	-0. 14122	0. 022	0. 067	0. 008219	M2	LRRC61
COX7A2L. 2	5. 59E-07	0. 10289	0. 619	0. 612	0. 008357	M2	COX7A2L
CTC-338M1	5. 61E-07	-0. 11844	0. 024	0. 072	0. 008378	M2	CTC-338M12. 5
TRAFD1. 1	5. 68E-07	-0. 10141	0. 069	0. 134	0. 008483	M2	TRAFD1
INHBB	5. 71E-07	-0. 1031	0. 001	0. 033	0. 008536	M2	INHBB
ATG10. 1	5. 73E-07	-0. 11898	0. 079	0. 147	0. 008558	M2	ATG10
PRPF39	5. 73E-07	-0. 12444	0. 028	0. 077	0. 00857	M2	PRPF39
HOXC8. 1	5. 80E-07	-0. 12379	0. 003	0. 036	0. 008669	M2	HOXC8
ZBTB7B. 1	5. 84E-07	0. 175549	0. 075	0. 039	0. 008723	M2	ZBTB7B
PCTP. 2	5. 86E-07	0. 179251	0. 115	0. 069	0. 008763	M2	PCTP
ADRBK2. 5	5. 91E-07	0. 142369	0. 091	0. 05	0. 008831	M2	ADRBK2
HNRNPK. 3	5. 93E-07	-0. 17122	0. 728	0. 793	0. 008867	M2	HNRNPK
NIPAL3. 2	5. 98E-07	-0. 14233	0. 033	0. 084	0. 008944	M2	NIPAL3
SLC12A5. 5	6. 00E-07	0. 170951	0. 14	0. 089	0. 008967	M2	SLC12A5
CMTR2. 1	6. 03E-07	-0. 10397	0. 075	0. 143	0. 009011	M2	CMTR2
E2F1. 2	6. 04E-07	-0. 10415	0. 015	0. 057	0. 009021	M2	E2F1
KCNN3. 1	6. 15E-07	-0. 10441	0. 001	0. 033	0. 009194	M2	KCNN3
WNT3. 2	6. 16E-07	-0. 10162	0	0. 031	0. 00921	M2	WNT3
ETFDH. 2	6. 25E-07	-0. 12212	0. 063	0. 126	0. 009344	M2	ETFDH
ACSS1. 2	6. 33E-07	-0. 12993	0. 047	0. 104	0. 009455	M2	ACSS1
COL4A5. 1	6. 33E-07	-0. 10692	0. 001	0. 033	0. 009456	M2	COL4A5
MIS18A. 3	6. 35E-07	-0. 11106	0. 051	0. 11	0. 009488	M2	MIS18A
AC114730.	6. 41E-07	-0. 14098	0	0. 031	0. 009579	M2	AC114730. 3
HADHA. 2	6. 48E-07	0. 200844	0. 466	0. 44	0. 009688	M2	HADHA
TXNIP. 2	6. 51E-07	0. 145081	0. 492	0. 443	0. 009732	M2	TXNIP
ZC3H7A. 3	6. 59E-07	-0. 12553	0. 084	0. 154	0. 009843	M2	ZC3H7A
CFI. 3	6. 63E-07	-0. 12989	0. 019	0. 063	0. 009907	M2	CFI
KIAA2026.	6. 65E-07	-0. 10465	0. 079	0. 147	0. 009934	M2	KIAA2026
GNPAT. 4	6. 66E-07	-0. 10881	0. 153	0. 246	0. 009955	M2	GNPAT
SRRM4. 2	6. 67E-07	-0. 11998	0. 001	0. 033	0. 00997	M2	SRRM4
LPL. 2	6. 72E-07	-0. 16152	0. 091	0. 163	0. 010049	M2	LPL
RBM41. 2	6. 76E-07	-0. 10753	0. 037	0. 09	0. 0101	M2	RBM41
MB21D2. 4	6. 77E-07	0. 168458	0. 092	0. 051	0. 010116	M2	MB21D2
NFKBIE. 5	6. 78E-07	0. 221742	0. 184	0. 13	0. 010131	M2	NFKBIE
UAP1. 3	6. 81E-07	-0. 12944	0. 111	0. 19	0. 010179	M2	UAP1
PRIMPOL	6. 84E-07	-0. 1294	0. 036	0. 088	0. 010229	M2	PRIMPOL
CREB3L2. 4	6. 85E-07	0. 247051	0. 174	0. 12	0. 010232	M2	CREB3L2
XAB2. 2	6. 85E-07	-0. 10727	0. 105	0. 182	0. 010234	M2	XAB2

PITX2.1	6.93E-07	-0.10121	0	0.031	0.010362	M2	PITX2
NXPE3.2	6.98E-07	-0.14571	0.038	0.091	0.010426	M2	NXPE3
NEK2.3	7.04E-07	-0.1025	0.003	0.036	0.010515	M2	NEK2
DIS3L2	7.08E-07	-0.12862	0.049	0.106	0.010579	M2	DIS3L2
CLASRP.1	7.12E-07	-0.10535	0.083	0.153	0.010642	M2	CLASRP
ARHGEF3	7.13E-07	-0.1015	0.051	0.11	0.010651	M2	ARHGEF3
ELOF1.4	7.16E-07	-0.13097	0.309	0.432	0.010693	M2	ELOF1
SRCIN1.3	7.16E-07	-0.14279	0.001	0.033	0.010705	M2	SRCIN1
TROAP.4	7.39E-07	-0.10866	0.01	0.049	0.011045	M2	TROAP
COPS4.1	7.42E-07	-0.10541	0.225	0.331	0.01109	M2	COPS4
CLCC1	7.44E-07	-0.11682	0.075	0.142	0.011111	M2	CLCC1
TANGO2.5	7.52E-07	0.189844	0.13	0.082	0.011244	M2	TANGO2
RBL2.1	7.77E-07	-0.10063	0.069	0.134	0.011615	M2	RBL2
CLVS1.1	7.90E-07	-0.11313	0.001	0.033	0.0118	M2	CLVS1
BDH1.2	8.04E-07	-0.11678	0.026	0.072	0.012014	M2	BDH1
DOCK11.5	8.25E-07	0.149135	0.092	0.051	0.012331	M2	DOCK11
DHFRL1.2	8.26E-07	-0.10632	0.023	0.069	0.012346	M2	DHFRL1
CEP135.2	8.27E-07	-0.12494	0.033	0.083	0.012363	M2	CEP135
MLH1.1	8.28E-07	-0.10747	0.087	0.157	0.012367	M2	MLH1
SPR	8.28E-07	0.163914	0.117	0.072	0.012368	M2	SPR
C11orf1.3	8.33E-07	-0.174	0.082	0.149	0.012443	M2	C11orf1
SMDT1.2	8.46E-07	0.124411	0.579	0.558	0.012647	M2	SMDT1
NDC80.3	8.53E-07	-0.12675	0.011	0.05	0.012753	M2	NDC80
TPMT.3	8.54E-07	0.233557	0.245	0.188	0.012756	M2	TPMT
PYCR2.1	8.73E-07	-0.16358	0.158	0.247	0.013041	M2	PYCR2
SPA17.5	8.87E-07	-0.10705	0.033	0.084	0.013251	M2	SPA17
HRH2.3	8.94E-07	0.149179	0.073	0.037	0.013365	M2	HRH2
JARID2.2	8.99E-07	0.268418	0.17	0.119	0.013429	M2	JARID2
CDV3.2	9.03E-07	0.273336	0.318	0.272	0.013501	M2	CDV3
TRAPPC13.	9.06E-07	-0.12812	0.057	0.117	0.013534	M2	TRAPPC13
MXRA8.1	9.09E-07	-0.10026	0.004	0.037	0.01359	M2	MXRA8
TMEM140.2	9.17E-07	0.171115	0.083	0.045	0.013707	M2	TMEM140
CDC37L1.3	9.21E-07	-0.12568	0.078	0.143	0.013761	M2	CDC37L1
ADAM9.3	9.21E-07	0.223713	0.37	0.327	0.013769	M2	ADAM9
KLC4.1	9.39E-07	-0.10621	0.036	0.087	0.014033	M2	KLC4
SZRD1.1	9.47E-07	0.303492	0.308	0.261	0.014155	M2	SZRD1
IFIT5.2	9.51E-07	-0.11453	0.036	0.087	0.014211	M2	IFIT5
NDUFA6.3	9.53E-07	0.104513	0.599	0.569	0.014235	M2	NDUFA6
BTG2.3	9.55E-07	-0.21554	0.367	0.474	0.014271	M2	BTG2
RICTOR.2	9.61E-07	-0.14322	0.115	0.191	0.014358	M2	RICTOR
KPNB1.4	9.62E-07	-0.12131	0.332	0.456	0.014372	M2	KPNB1
KLHL28.3	9.66E-07	-0.13049	0.063	0.123	0.014441	M2	KLHL28
PGAM2.4	9.76E-07	-0.14195	0.011	0.051	0.014587	M2	PGAM2
HOXA9.1	9.78E-07	-0.11667	0.004	0.037	0.014621	M2	HOXA9
EIF5B.3	9.79E-07	-0.17496	0.398	0.531	0.01463	M2	EIF5B
PIN1.3	9.83E-07	-0.17868	0.432	0.544	0.014696	M2	PIN1
KRT8.1	9.97E-07	0.10838	0.034	0.013	0.014899	M2	KRT8
BCYRN1.2	1.01E-06	-0.10973	0.014	0.054	0.015083	M2	BCYRN1
TVP23B.3	1.02E-06	-0.1059	0.049	0.105	0.015264	M2	TVP23B
CPB2-AS1.	1.03E-06	-0.10592	0	0.03	0.015341	M2	CPB2-AS1
RP5-940J5	1.03E-06	0.264959	0.215	0.158	0.015395	M2	RP5-940J5.9



IGF1. 4	1. 03E-06	0. 151296	0. 102	0. 059	0. 015404	M2	IGF1
ZBTB37. 1	1. 03E-06	-0. 10445	0. 015	0. 056	0. 015446	M2	ZBTB37
LINC00882	1. 04E-06	-0. 12257	0. 001	0. 032	0. 015474	M2	LINC00882
GTPBP1. 2	1. 04E-06	-0. 10182	0. 049	0. 105	0. 01551	M2	GTPBP1
PNRC1. 5	1. 05E-06	0. 148789	0. 552	0. 539	0. 015737	M2	PNRC1
GAL. 1	1. 08E-06	-0. 15203	0. 005	0. 039	0. 016161	M2	GAL
CDK8. 2	1. 08E-06	-0. 11477	0. 034	0. 084	0. 016175	M2	CDK8
B3GAT2. 1	1. 08E-06	-0. 11962	0. 036	0. 086	0. 016186	M2	B3GAT2
TMEM116. 2	1. 09E-06	-0. 12099	0. 022	0. 066	0. 016218	M2	TMEM116
USP54. 2	1. 14E-06	-0. 12555	0. 011	0. 05	0. 017007	M2	USP54
COMMD9. 3	1. 15E-06	0. 281799	0. 347	0. 307	0. 01713	M2	COMMD9
G3BP1. 2	1. 15E-06	-0. 10511	0. 217	0. 321	0. 017137	M2	G3BP1
ZDHHC4. 5	1. 15E-06	-0. 10671	0. 249	0. 362	0. 017258	M2	ZDHHC4
STARD3NL. 1	1. 16E-06	-0. 10789	0. 287	0. 405	0. 017281	M2	STARD3NL
QTRTD1	1. 16E-06	-0. 10937	0. 041	0. 094	0. 017389	M2	QTRTD1
PRR5. 4	1. 17E-06	0. 162994	0. 082	0. 044	0. 017474	M2	PRR5
GAB3. 3	1. 17E-06	0. 112718	0. 063	0. 031	0. 017544	M2	GAB3
AP1G2. 4	1. 18E-06	0. 127057	0. 088	0. 049	0. 017673	M2	AP1G2
ARID1B. 3	1. 19E-06	-0. 12314	0. 069	0. 132	0. 01776	M2	ARID1B
GGNBP2. 1	1. 19E-06	-0. 12593	0. 284	0. 398	0. 01776	M2	GGNBP2
RP11-22P6	1. 19E-06	-0. 12045	0. 009	0. 046	0. 017831	M2	RP11-22P6. 2
RHNO1. 2	1. 19E-06	-0. 14038	0. 123	0. 2	0. 017857	M2	RHNO1
SAP30BP. 1	1. 20E-06	-0. 12136	0. 254	0. 369	0. 017928	M2	SAP30BP
SCRN2. 1	1. 21E-06	-0. 13183	0. 103	0. 177	0. 018108	M2	SCRN2
NKIRAS1. 1	1. 22E-06	-0. 1147	0. 05	0. 106	0. 018257	M2	NKIRAS1
TFAP4	1. 22E-06	-0. 10376	0. 015	0. 056	0. 018305	M2	TFAP4
METTL7A. 2	1. 23E-06	-0. 24999	0. 152	0. 226	0. 018336	M2	METTL7A
CRYZ. 4	1. 23E-06	-0. 11213	0. 065	0. 128	0. 018354	M2	CRYZ
DIAPH2. 2	1. 23E-06	0. 117557	0. 106	0. 062	0. 018455	M2	DIAPH2
CMYA5. 2	1. 26E-06	-0. 10417	0. 001	0. 032	0. 018895	M2	CMYA5
RALBP1. 2	1. 27E-06	-0. 10494	0. 207	0. 31	0. 018961	M2	RALBP1
EPSTI1. 5	1. 27E-06	0. 100517	0. 181	0. 121	0. 019001	M2	EPSTI1
DNAJB12. 4	1. 27E-06	0. 234795	0. 199	0. 144	0. 019053	M2	DNAJB12
FAM117B	1. 32E-06	-0. 10533	0. 008	0. 043	0. 019704	M2	FAM117B
ELL. 2	1. 34E-06	0. 246458	0. 146	0. 097	0. 020085	M2	ELL
DTNBP1. 3	1. 35E-06	-0. 10497	0. 132	0. 212	0. 020136	M2	DTNBP1
AIG1. 2	1. 35E-06	-0. 15766	0. 236	0. 341	0. 02014	M2	AIG1
PCSK2. 1	1. 35E-06	-0. 11951	0	0. 029	0. 020188	M2	PCSK2
QKI. 3	1. 36E-06	-0. 1946	0. 374	0. 478	0. 020283	M2	QKI
RBM42. 3	1. 36E-06	-0. 10255	0. 277	0. 394	0. 020376	M2	RBM42
YIPF6. 4	1. 38E-06	-0. 10368	0. 216	0. 32	0. 020675	M2	YIPF6
S100A1. 1	1. 40E-06	-0. 28918	0. 006	0. 04	0. 020928	M2	S100A1
CHGA. 1	1. 40E-06	-0. 10789	0	0. 029	0. 020996	M2	CHGA
POLB. 1	1. 41E-06	-0. 10193	0. 037	0. 088	0. 021005	M2	POLB
FAM222A. 2	1. 42E-06	-0. 10354	0. 001	0. 031	0. 021232	M2	FAM222A
C18orf8. 2	1. 43E-06	-0. 1001	0. 059	0. 117	0. 021332	M2	C18orf8
AP1S1. 5	1. 46E-06	-0. 14205	0. 351	0. 476	0. 021827	M2	AP1S1
PSORS1C1. 1	1. 49E-06	-0. 10846	0. 005	0. 039	0. 022331	M2	PSORS1C1
SRSF2. 4	1. 50E-06	-0. 15181	0. 511	0. 612	0. 022366	M2	SRSF2
SON. 2	1. 50E-06	-0. 21322	0. 599	0. 719	0. 022447	M2	SON
NMB. 4	1. 52E-06	-0. 14593	0. 129	0. 207	0. 022658	M2	NMB

WDR20. 1	1. 54E-06	-0. 10434	0. 077	0. 142	0. 022954	M2	WDR20
IGFBP6. 3	1. 56E-06	-0. 16056	0. 024	0. 069	0. 023321	M2	IGFBP6
SCN2A. 1	1. 57E-06	-0. 10831	0. 001	0. 031	0. 023449	M2	SCN2A
DNAJC7. 2	1. 59E-06	-0. 14088	0. 345	0. 473	0. 023691	M2	DNAJC7
NEU1. 3	1. 59E-06	0. 237883	0. 335	0. 289	0. 023764	M2	NEU1
ALG6. 2	1. 60E-06	-0. 12481	0. 051	0. 107	0. 023918	M2	ALG6
CCNB1. 3	1. 63E-06	-0. 16902	0. 042	0. 094	0. 024431	M2	CCNB1
FASTKD5. 1	1. 65E-06	-0. 10111	0. 056	0. 114	0. 024658	M2	FASTKD5
UFD1L. 3	1. 68E-06	0. 264519	0. 368	0. 327	0. 025155	M2	UFD1L
PTGR2. 1	1. 70E-06	-0. 10281	0. 031	0. 078	0. 02541	M2	PTGR2
TFAP2B. 1	1. 70E-06	-0. 11036	0. 001	0. 031	0. 025426	M2	TFAP2B
PPP1R1C. 2	1. 71E-06	-0. 12162	0	0. 028	0. 025543	M2	PPP1R1C
ABCA5. 2	1. 72E-06	-0. 11148	0. 04	0. 09	0. 025766	M2	ABCA5
PCL0. 1	1. 75E-06	-0. 10296	0. 004	0. 036	0. 026185	M2	PCL0
SOX10. 2	1. 76E-06	-0. 16448	0. 001	0. 031	0. 026355	M2	SOX10
KIAA1324L	1. 78E-06	-0. 11148	0. 001	0. 031	0. 026589	M2	KIAA1324L
ITGB3BP. 3	1. 80E-06	-0. 11213	0. 082	0. 147	0. 026893	M2	ITGB3BP
ACKR3	1. 82E-06	0. 149736	0. 04	0. 017	0. 027195	M2	ACKR3
MOG. 3	1. 83E-06	-0. 2507	0. 003	0. 033	0. 027321	M2	MOG
FAM159A. 4	1. 87E-06	0. 124682	0. 079	0. 043	0. 027872	M2	FAM159A
NXN. 2	1. 95E-06	-0. 1122	0. 005	0. 038	0. 029126	M2	NXN
HVCN1. 5	1. 96E-06	0. 13989	0. 144	0. 093	0. 029274	M2	HVCN1
NTAN1. 3	1. 97E-06	0. 278933	0. 245	0. 196	0. 02937	M2	NTAN1
CMTM3. 5	1. 97E-06	0. 242619	0. 363	0. 321	0. 029409	M2	CMTM3
PTEN. 5	1. 98E-06	0. 208593	0. 178	0. 126	0. 029572	M2	PTEN
ASTN2	1. 98E-06	-0. 1105	0. 005	0. 038	0. 029641	M2	ASTN2
PHF3. 2	1. 99E-06	-0. 10502	0. 123	0. 2	0. 029716	M2	PHF3
RP11-445F	2. 01E-06	-0. 12999	0. 001	0. 031	0. 03008	M2	RP11-445F12. 1
FAM13A. 1	2. 02E-06	0. 216963	0. 143	0. 095	0. 030132	M2	FAM13A
PPP1R12A. 2	2. 02E-06	-0. 10749	0. 257	0. 367	0. 03014	M2	PPP1R12A
ADPRH. 3	2. 02E-06	0. 102882	0. 063	0. 031	0. 030178	M2	ADPRH
DGCR5. 1	2. 07E-06	-0. 10715	0. 001	0. 031	0. 03086	M2	DGCR5
YBEY. 2	2. 09E-06	-0. 12845	0. 144	0. 227	0. 031194	M2	YBEY
EFCAB2	2. 09E-06	-0. 11956	0. 047	0. 101	0. 03125	M2	EFCAB2
MFS12. 4	2. 10E-06	0. 331663	0. 235	0. 188	0. 031339	M2	MFS12
MPC2. 2	2. 12E-06	0. 106533	0. 584	0. 581	0. 031653	M2	MPC2
ERCC1. 5	2. 15E-06	0. 153569	0. 499	0. 47	0. 032163	M2	ERCC1
PPIL4. 2	2. 19E-06	-0. 12409	0. 163	0. 252	0. 03271	M2	PPIL4
DLGAP5. 4	2. 21E-06	-0. 10382	0. 005	0. 037	0. 032978	M2	DLGAP5
CHIC2. 2	2. 22E-06	-0. 10827	0. 163	0. 249	0. 033215	M2	CHIC2
GLDN. 4	2. 25E-06	0. 107862	0. 147	0. 093	0. 033621	M2	GLDN
BTG3. 3	2. 25E-06	-0. 11803	0. 267	0. 379	0. 03364	M2	BTG3
CARNS1. 3	2. 32E-06	-0. 22637	0. 001	0. 03	0. 034724	M2	CARNS1
APOBEC3C. 2	2. 33E-06	0. 174455	0. 179	0. 125	0. 034866	M2	APOBEC3C
HHIP. 2	2. 34E-06	-0. 15553	0	0. 028	0. 034951	M2	HHIP
HOXB3. 1	2. 35E-06	-0. 10612	0. 004	0. 035	0. 035175	M2	HOXB3
GSPT1. 4	2. 36E-06	-0. 11364	0. 244	0. 356	0. 035274	M2	GSPT1
RP6-91H8. 2	2. 37E-06	0. 168607	0. 093	0. 053	0. 035429	M2	RP6-91H8. 3
FAM135A. 1	2. 37E-06	-0. 13033	0. 04	0. 089	0. 035488	M2	FAM135A
RP11-127E	2. 39E-06	-0. 10496	0. 013	0. 05	0. 035706	M2	RP11-127B20. 3
NIPA1. 1	2. 42E-06	-0. 10489	0. 015	0. 054	0. 036132	M2	NIPA1

MKI67.4	2.42E-06	-0.14894	0.023	0.065	0.036172	M2	MKI67
CENPE.4	2.47E-06	-0.1482	0.018	0.058	0.036953	M2	CENPE
HECA.4	2.49E-06	0.179989	0.11	0.068	0.037175	M2	HECA
PTPRM	2.49E-06	0.121257	0.032	0.012	0.037178	M2	PTPRM
JAGN1.4	2.50E-06	-0.1327	0.222	0.327	0.037295	M2	JAGN1
FBX08.2	2.50E-06	-0.1064	0.083	0.149	0.037409	M2	FBX08
BRD4.4	2.58E-06	-0.10298	0.229	0.334	0.038568	M2	BRD4
CENPM.4	2.60E-06	-0.10428	0.031	0.077	0.038884	M2	CENPM
MXD3.4	2.61E-06	-0.10452	0.023	0.066	0.038934	M2	MXD3
RALYL.1	2.68E-06	-0.10506	0.003	0.032	0.04005	M2	RALYL
ENSA.3	2.75E-06	0.139127	0.52	0.499	0.041077	M2	ENSA
WBSCR22.4	2.77E-06	-0.12945	0.369	0.502	0.041361	M2	WBSCR22
CCNT2.1	2.82E-06	-0.11514	0.052	0.107	0.042192	M2	CCNT2
PEX1.1	2.84E-06	-0.10842	0.036	0.084	0.04241	M2	PEX1
ZCCHC17.3	2.86E-06	-0.11712	0.249	0.359	0.042716	M2	ZCCHC17
B4GALT4.1	2.92E-06	-0.10259	0.078	0.142	0.043638	M2	B4GALT4
C7orf61.1	2.97E-06	-0.10924	0.004	0.035	0.044334	M2	C7orf61
PNPLA8.3	2.98E-06	-0.11693	0.249	0.354	0.044495	M2	PNPLA8
GOLGA4.2	3.00E-06	-0.1296	0.249	0.354	0.044885	M2	GOLGA4
TMEM2.2	3.01E-06	0.184862	0.102	0.062	0.045003	M2	TMEM2
JTB.3	3.08E-06	0.104889	0.617	0.609	0.046023	M2	JTB
L1CAM.2	3.08E-06	-0.11073	0.005	0.037	0.046036	M2	L1CAM
ATF7IP2.4	3.08E-06	0.111182	0.074	0.039	0.04606	M2	ATF7IP2
TOPORS.3	3.09E-06	-0.11737	0.112	0.183	0.046148	M2	TOPORS
SS18L2.1	3.14E-06	-0.12716	0.217	0.317	0.046917	M2	SS18L2
G2E3	3.14E-06	-0.10619	0.054	0.108	0.046946	M2	G2E3
ARMCX5.2	3.18E-06	-0.10289	0.032	0.078	0.047567	M2	ARMCX5
PLD4.5	3.21E-06	-0.30219	0.1	0.157	0.047961	M2	PLD4
SH3GLB1.3	3.21E-06	0.16242	0.455	0.428	0.048045	M2	SH3GLB1
TRIP6.5	3.29E-06	-0.10985	0.169	0.255	0.0492	M2	TRIP6
IER3IP1.3	3.29E-06	0.164774	0.069	0.036	0.049215	M2	IER3IP1
HOXA5.2	3.33E-06	-0.12279	0.022	0.063	0.049829	M2	HOXA5
CLGN.1	3.35E-06	-0.10869	0.006	0.039	0.050012	M2	CLGN
PDCD4.5	3.36E-06	0.158209	0.203	0.145	0.050174	M2	PDCD4
LDLRAD4.5	3.38E-06	0.176533	0.199	0.142	0.050541	M2	LDLRAD4
C6orf141.3	3.44E-06	-0.11308	0.003	0.032	0.051396	M2	C6orf141
REEP4.5	3.48E-06	0.201139	0.221	0.163	0.052056	M2	REEP4
IPMK.2	3.52E-06	0.196575	0.075	0.042	0.052529	M2	IPMK
BCAS1.2	3.54E-06	-0.18133	0.01	0.045	0.052848	M2	BCAS1
SSH1.2	3.56E-06	0.227539	0.124	0.08	0.053147	M2	SSH1
MEF2C.5	3.59E-06	0.155828	0.346	0.278	0.053665	M2	MEF2C
MED7.2	3.60E-06	-0.12668	0.061	0.119	0.053728	M2	MED7
NME1.3	3.66E-06	-0.16841	0.456	0.576	0.054762	M2	NME1
BABAM1.1	3.68E-06	-0.13831	0.298	0.413	0.055021	M2	BABAM1
CCDC57.5	3.69E-06	0.187109	0.153	0.104	0.055102	M2	CCDC57
C1QTNF3.2	3.70E-06	-0.12148	0.008	0.041	0.055308	M2	C1QTNF3
BEND7.2	3.74E-06	-0.10674	0.02	0.061	0.055947	M2	BEND7
CCNB2.4	3.78E-06	-0.13721	0.024	0.066	0.056515	M2	CCNB2
ERMN.3	3.81E-06	-0.34663	0.008	0.04	0.056962	M2	ERMN
PRKCH.4	3.82E-06	0.123024	0.077	0.041	0.057012	M2	PRKCH
NUDCD2.2	3.92E-06	-0.11943	0.294	0.408	0.05865	M2	NUDCD2

NUDC. 4	3. 93E-06	-0. 1433	0. 457	0. 588	0. 058735 M2	NUDC
NEUROD2. 1	3. 94E-06	-0. 12656	0. 003	0. 031	0. 058917 M2	NEUROD2
RANBP1. 4	3. 95E-06	-0. 15965	0. 473	0. 585	0. 059041 M2	RANBP1
CNDP1. 3	4. 01E-06	-0. 24462	0. 005	0. 036	0. 059941 M2	CNDP1
RAB3C. 1	4. 04E-06	-0. 10534	0. 008	0. 04	0. 06031 M2	RAB3C
TUBA4A. 2	4. 10E-06	-0. 20248	0. 018	0. 056	0. 061268 M2	TUBA4A
SDHB. 1	4. 12E-06	0. 142916	0. 448	0. 422	0. 061556 M2	SDHB
ADAMTS4. 2	4. 15E-06	-0. 1568	0. 004	0. 034	0. 062031 M2	ADAMTS4
ATP6AP1. 5	4. 18E-06	0. 172611	0. 503	0. 492	0. 062463 M2	ATP6AP1
STAG3	4. 19E-06	-0. 10789	0. 014	0. 051	0. 062566 M2	STAG3
MTRNR2L8. 4	4. 19E-06	0. 228209	0. 245	0. 187	0. 062682 M2	MTRNR2L8
CCDC134	4. 21E-06	0. 108936	0. 037	0. 015	0. 062877 M2	CCDC134
B3GNT2. 4	4. 21E-06	0. 176545	0. 103	0. 064	0. 062958 M2	B3GNT2
COPS5. 1	4. 31E-06	-0. 12922	0. 307	0. 417	0. 064386 M2	COPS5
NUDT19. 1	4. 33E-06	-0. 11615	0. 051	0. 104	0. 064778 M2	NUDT19
PPARD. 5	4. 35E-06	0. 249303	0. 152	0. 105	0. 064945 M2	PPARD
MOBP. 4	4. 37E-06	-0. 30704	0. 006	0. 038	0. 065238 M2	MOBP
SNRNP48	4. 41E-06	-0. 10865	0. 059	0. 114	0. 065861 M2	SNRNP48
JAKMIP1. 1	4. 43E-06	-0. 10277	0. 004	0. 033	0. 06627 M2	JAKMIP1
CENPU. 4	4. 54E-06	-0. 11032	0. 055	0. 109	0. 067857 M2	CENPU
COPB2. 4	4. 59E-06	-0. 13309	0. 217	0. 312	0. 068568 M2	COPB2
ECH1. 3	4. 62E-06	0. 103521	0. 567	0. 558	0. 068981 M2	ECH1
RCBTB1. 3	4. 80E-06	-0. 11488	0. 031	0. 075	0. 071707 M2	RCBTB1
RAB5A. 1	4. 82E-06	-0. 11248	0. 335	0. 456	0. 072076 M2	RAB5A
ARG2. 3	4. 89E-06	0. 169535	0. 144	0. 096	0. 073027 M2	ARG2
NKX6-2. 3	4. 92E-06	-0. 18277	0	0. 026	0. 07357 M2	NKX6-2
PAF1	4. 99E-06	-0. 10693	0. 137	0. 216	0. 074623 M2	PAF1
HBP1	5. 01E-06	0. 19148	0. 285	0. 228	0. 07484 M2	HBP1
ZBTB2. 1	5. 04E-06	-0. 10574	0. 031	0. 075	0. 075333 M2	ZBTB2
AQP1	5. 07E-06	-0. 14258	0. 013	0. 048	0. 075694 M2	AQP1
ARID5A. 3	5. 07E-06	0. 18058	0. 34	0. 286	0. 075771 M2	ARID5A
RRP7A. 4	5. 14E-06	0. 264628	0. 326	0. 284	0. 076846 M2	RRP7A
OASL. 1	5. 16E-06	0. 161209	0. 055	0. 027	0. 077181 M2	OASL
ZNF511. 3	5. 29E-06	0. 25409	0. 239	0. 192	0. 079052 M2	ZNF511
ATF4. 2	5. 33E-06	0. 140865	0. 539	0. 515	0. 079593 M2	ATF4
EIF1AX. 3	5. 36E-06	-0. 1403	0. 441	0. 568	0. 080075 M2	EIF1AX
SWAP70. 5	5. 49E-06	0. 178638	0. 272	0. 218	0. 081997 M2	SWAP70
STK24. 2	5. 51E-06	0. 238995	0. 142	0. 098	0. 082323 M2	STK24
TOMM5. 4	5. 54E-06	0. 319865	0. 252	0. 206	0. 08273 M2	TOMM5
HLA-DOA. 4	5. 54E-06	0. 139024	0. 14	0. 091	0. 082737 M2	HLA-DOA
MYRF. 3	5. 72E-06	-0. 18234	0. 004	0. 033	0. 085484 M2	MYRF
CCDC84	5. 96E-06	-0. 11255	0. 05	0. 101	0. 089032 M2	CCDC84
CTD-2090I	5. 98E-06	0. 134684	0. 088	0. 05	0. 089433 M2	CTD-2090I13. 1
CHURC1. 2	6. 00E-06	0. 181674	0. 43	0. 398	0. 089704 M2	CHURC1
CX3CR1. 4	6. 15E-06	-0. 25354	0. 055	0. 104	0. 091919 M2	CX3CR1
ANGPT2. 2	6. 41E-06	-0. 11722	0. 013	0. 048	0. 095801 M2	ANGPT2
SIL1. 4	6. 44E-06	0. 212212	0. 299	0. 251	0. 09629 M2	SIL1
MTHFS. 3	6. 47E-06	0. 226473	0. 236	0. 186	0. 096644 M2	MTHFS
CXorf40B. 6	6. 73E-06	-0. 10108	0. 092	0. 157	0. 100507 M2	CXorf40B
ARHGEF37	6. 74E-06	-0. 10827	0. 011	0. 046	0. 100723 M2	ARHGEF37
EAPP. 4	6. 87E-06	-0. 12668	0. 258	0. 361	0. 102643 M2	EAPP

PCP4. 3	6. 94E-06	-0. 18893	0. 009	0. 041	0. 103759 M2	PCP4
SF3B2. 2	6. 96E-06	-0. 16425	0. 416	0. 532	0. 103987 M2	SF3B2
ARL8B. 2	6. 98E-06	0. 26717	0. 249	0. 203	0. 104332 M2	ARL8B
FAM212A. 4	7. 09E-06	-0. 17161	0. 015	0. 051	0. 105882 M2	FAM212A
TMA16. 2	7. 13E-06	-0. 1033	0. 129	0. 206	0. 106567 M2	TMA16
BACE2. 4	7. 19E-06	-0. 10874	0. 019	0. 057	0. 107397 M2	BACE2
CPSF3L. 2	7. 20E-06	-0. 1122	0. 189	0. 28	0. 10754 M2	CPSF3L
PRKCDBP. 1	7. 55E-06	0. 127801	0. 059	0. 03	0. 112814 M2	PRKCDBP
PDLIM4. 3	7. 56E-06	-0. 16242	0. 032	0. 076	0. 11296 M2	PDLIM4
SLC18B1. 3	7. 61E-06	-0. 19308	0. 116	0. 183	0. 113656 M2	SLC18B1
MSRA. 4	7. 62E-06	-0. 1436	0. 181	0. 262	0. 113885 M2	MSRA
LSM5. 2	7. 69E-06	-0. 15474	0. 401	0. 515	0. 114881 M2	LSM5
IVNS1ABP. 7.	7. 72E-06	0. 195821	0. 286	0. 234	0. 11535 M2	IVNS1ABP
RP11-76E1	7. 74E-06	0. 141276	0. 065	0. 034	0. 115636 M2	RP11-76E17. 3
NSMCE4A. 3	7. 91E-06	-0. 1004	0. 093	0. 157	0. 118159 M2	NSMCE4A
GDF15. 4	7. 94E-06	-0. 21692	0. 031	0. 073	0. 118657 M2	GDF15
POLE4. 3	8. 25E-06	0. 2093	0. 328	0. 282	0. 123281 M2	POLE4
ZNF548	8. 27E-06	-0. 13528	0. 029	0. 071	0. 123607 M2	ZNF548
IDH1. 3	8. 31E-06	0. 18149	0. 405	0. 378	0. 12425 M2	IDH1
FIGNL1. 2	8. 38E-06	-0. 10361	0. 014	0. 049	0. 125212 M2	FIGNL1
ZDHHHC14. 1	8. 45E-06	-0. 12021	0. 036	0. 08	0. 126208 M2	ZDHHHC14
ARHGAP26. 8.	5. 7E-06	0. 147441	0. 134	0. 088	0. 12811 M2	ARHGAP26
CMIP. 3	8. 63E-06	0. 22166	0. 22	0. 169	0. 128909 M2	CMIP
CPNE3. 2	8. 69E-06	-0. 13179	0. 239	0. 337	0. 12982 M2	CPNE3
FKBPL. 2	8. 72E-06	-0. 10914	0. 027	0. 068	0. 130376 M2	FKBPL
MPC1. 2	8. 73E-06	-0. 17023	0. 388	0. 495	0. 130418 M2	MPC1
RP11-356C	8. 78E-06	-0. 11844	0. 008	0. 039	0. 131138 M2	RP11-356C4. 3
THSD4. 1	8. 81E-06	-0. 10222	0. 001	0. 027	0. 131628 M2	THSD4
CDPF1. 2	8. 84E-06	-0. 12132	0. 034	0. 079	0. 132125 M2	CDPF1
MAP1LC3B2	8. 97E-06	0. 224816	0. 124	0. 081	0. 134098 M2	MAP1LC3B2
ZNRD1. 1	8. 99E-06	-0. 10359	0. 139	0. 216	0. 134392 M2	ZNRD1
DERL1. 2	9. 05E-06	0. 238345	0. 349	0. 31	0. 135278 M2	DERL1
RNF213. 5	9. 16E-06	0. 259614	0. 301	0. 258	0. 136907 M2	RNF213
SMOC1. 1	9. 17E-06	-0. 13178	0. 006	0. 036	0. 137063 M2	SMOC1
KNSTRN. 3	9. 24E-06	-0. 11595	0. 037	0. 082	0. 138108 M2	KNSTRN
PEA15. 3	9. 49E-06	-0. 11742	0. 333	0. 451	0. 141879 M2	PEA15
SMAD7. 3	9. 55E-06	0. 14212	0. 061	0. 032	0. 142683 M2	SMAD7
VCPKMT. 1	9. 64E-06	-0. 10062	0. 031	0. 073	0. 144081 M2	VCPKMT
SCFD1. 3	9. 85E-06	-0. 1252	0. 174	0. 258	0. 147187 M2	SCFD1
OSBPL9. 1	9. 89E-06	-0. 10411	0. 12	0. 191	0. 147851 M2	OSBPL9
EFR3A. 4	9. 92E-06	0. 233787	0. 184	0. 139	0. 148216 M2	EFR3A
ALG13. 4	9. 99E-06	0. 210942	0. 267	0. 216	0. 149274 M2	ALG13
MDM2. 2	1. 02E-05	-0. 16039	0. 14	0. 211	0. 152836 M2	MDM2
REX02. 5	1. 03E-05	-0. 19604	0. 234	0. 325	0. 154107 M2	REX02
LINC0032C	1. 04E-05	-0. 17147	0	0. 024	0. 154801 M2	LINC00320
RSU1. 1	1. 05E-05	0. 237443	0. 308	0. 266	0. 156314 M2	RSU1
DLD. 3	1. 05E-05	-0. 12464	0. 25	0. 351	0. 156563 M2	DLD
SRP54. 2	1. 06E-05	-0. 12637	0. 192	0. 279	0. 158782 M2	SRP54
TNFRSF11E	1. 07E-05	-0. 1281	0. 019	0. 056	0. 159489 M2	TNFRSF11B
MCEE	1. 08E-05	-0. 10109	0. 056	0. 108	0. 161598 M2	MCEE
CTNNB1. 5	1. 09E-05	0. 210961	0. 391	0. 352	0. 16331 M2	CTNNB1

AK5. 2	1. 10E-05	-0. 12915	0. 001	0. 027	0. 163649	M2	AK5
PEX5L. 2	1. 12E-05	-0. 13022	0	0. 024	0. 167408	M2	PEX5L
ME1	1. 13E-05	0. 130694	0. 051	0. 025	0. 169202	M2	ME1
MIR7-3HG.	1. 14E-05	-0. 15456	0. 006	0. 036	0. 170933	M2	MIR7-3HG
CDK5RAP3	1. 16E-05	-0. 1306	0. 304	0. 413	0. 173744	M2	CDK5RAP3
FA2H. 3	1. 17E-05	-0. 14526	0. 003	0. 029	0. 174305	M2	FA2H
THOC7. 1	1. 18E-05	0. 19302	0. 411	0. 387	0. 175669	M2	THOC7
TAX1BP1. 2	1. 18E-05	-0. 1419	0. 4	0. 52	0. 176945	M2	TAX1BP1
PCSK1. 2	1. 21E-05	-0. 12275	0. 006	0. 036	0. 180157	M2	PCSK1
AC068535.	1. 21E-05	-0. 1047	0	0. 024	0. 181041	M2	AC068535. 2
NQO2. 2	1. 21E-05	0. 233551	0. 294	0. 25	0. 181199	M2	NQO2
SLC2A11	1. 22E-05	-0. 10107	0. 028	0. 069	0. 181687	M2	SLC2A11
RIT1. 3	1. 22E-05	0. 258087	0. 255	0. 211	0. 182338	M2	RIT1
TTC13. 2	1. 23E-05	-0. 10905	0. 031	0. 072	0. 184026	M2	TTC13
GPR108. 3	1. 25E-05	0. 237013	0. 305	0. 263	0. 186166	M2	GPR108
TSPAN31. 3	1. 25E-05	-0. 16894	0. 216	0. 301	0. 186227	M2	TSPAN31
FKBP3. 3	1. 26E-05	-0. 15248	0. 364	0. 485	0. 187761	M2	FKBP3
GJB1. 3	1. 26E-05	-0. 18067	0. 001	0. 026	0. 188031	M2	GJB1
GRSF1. 2	1. 27E-05	-0. 10041	0. 232	0. 329	0. 189742	M2	GRSF1
DNAJC3. 2	1. 35E-05	0. 22134	0. 328	0. 289	0. 202086	M2	DNAJC3
CBX7. 1	1. 36E-05	-0. 13663	0. 032	0. 074	0. 202765	M2	CBX7
NDUFS3. 3	1. 36E-05	-0. 16689	0. 381	0. 497	0. 20315	M2	NDUFS3
TMEM125. 2	1. 36E-05	-0. 15155	0	0. 024	0. 2036	M2	TMEM125
PET100. 2	1. 37E-05	0. 131502	0. 536	0. 524	0. 205081	M2	PET100
SPSB1. 1	1. 37E-05	-0. 12126	0. 031	0. 072	0. 205115	M2	SPSB1
ANP32E. 3	1. 37E-05	-0. 10704	0. 189	0. 273	0. 205191	M2	ANP32E
PDLIM2. 3	1. 38E-05	-0. 16951	0. 167	0. 245	0. 206735	M2	PDLIM2
POT1. 2	1. 39E-05	-0. 1065	0. 04	0. 084	0. 207082	M2	POT1
VTI1B. 3	1. 40E-05	0. 21177	0. 374	0. 345	0. 208564	M2	VTI1B
GRPEL1. 1	1. 40E-05	0. 259298	0. 305	0. 268	0. 209012	M2	GRPEL1
GLYCTK. 1	1. 41E-05	0. 136867	0. 054	0. 027	0. 210083	M2	GLYCTK
MAPT-AS1	1. 42E-05	-0. 10475	0	0. 024	0. 211728	M2	MAPT-AS1
GRM3. 2	1. 42E-05	-0. 12753	0	0. 024	0. 211728	M2	GRM3
DPM1. 4	1. 43E-05	-0. 1329	0. 278	0. 385	0. 213822	M2	DPM1
AIFM2	1. 44E-05	0. 147126	0. 069	0. 039	0. 214585	M2	AIFM2
COQ2. 4	1. 50E-05	0. 206504	0. 226	0. 176	0. 224029	M2	COQ2
SAAL1. 1	1. 52E-05	-0. 12067	0. 075	0. 132	0. 227243	M2	SAAL1
ZNF330. 1	1. 53E-05	0. 232833	0. 261	0. 213	0. 22901	M2	ZNF330
NRG1	1. 57E-05	0. 147712	0. 049	0. 024	0. 23483	M2	NRG1
TFG. 2	1. 58E-05	-0. 10919	0. 303	0. 416	0. 236513	M2	TFG
DUSP22. 5	1. 59E-05	0. 187941	0. 155	0. 108	0. 236888	M2	DUSP22
CLIC2. 3	1. 67E-05	0. 108336	0. 074	0. 042	0. 248825	M2	CLIC2
APOL4. 2	1. 69E-05	-0. 12718	0. 013	0. 045	0. 25283	M2	APOL4
KLF10. 3	1. 70E-05	0. 191469	0. 282	0. 23	0. 253675	M2	KLF10
MT1F. 5	1. 70E-05	0. 197924	0. 345	0. 302	0. 253676	M2	MT1F
SUSD1. 4	1. 72E-05	0. 117697	0. 088	0. 053	0. 256338	M2	SUSD1
WDFY4. 4	1. 72E-05	0. 111296	0. 05	0. 024	0. 25663	M2	WDFY4
CCDC88A. 4	1. 73E-05	-0. 11929	0. 317	0. 423	0. 258995	M2	CCDC88A
TADA3. 1	1. 74E-05	-0. 11379	0. 291	0. 397	0. 259426	M2	TADA3
RFC2. 1	1. 74E-05	-0. 12434	0. 17	0. 247	0. 260649	M2	RFC2
MIR210HG.	1. 77E-05	0. 278693	0. 128	0. 089	0. 26398	M2	MIR210HG

FASTKD2.1	1.77E-05	-0.11361	0.057	0.107	0.26427	M2	FASTKD2
TMEM53.3	1.78E-05	-0.12357	0.057	0.108	0.265582	M2	TMEM53
PSD4.2	1.80E-05	0.108425	0.056	0.029	0.26876	M2	PSD4
SYT6.2	1.81E-05	-0.1126	0.018	0.053	0.26978	M2	SYT6
TINF2.2	1.83E-05	-0.10009	0.172	0.254	0.272901	M2	TINF2
ESYT1.4	1.84E-05	0.212785	0.162	0.117	0.274311	M2	ESYT1
IMPA2.2	1.91E-05	0.156734	0.093	0.057	0.284772	M2	IMPA2
YIPF3.4	1.92E-05	-0.13367	0.374	0.491	0.286615	M2	YIPF3
PPP1R7.1	1.95E-05	0.233459	0.378	0.352	0.291975	M2	PPP1R7
CYB5R2.1	1.97E-05	-0.12931	0.005	0.032	0.295019	M2	CYB5R2
NUS1.1	2.01E-05	0.248864	0.192	0.149	0.299797	M2	NUS1
HSPA9.3	2.01E-05	-0.17066	0.384	0.495	0.300778	M2	HSPA9
AC078883.2	2.03E-05	0.130751	0.04	0.018	0.303817	M2	AC078883.3
FAM149A.3	2.05E-05	-0.11722	0.006	0.034	0.305656	M2	FAM149A
TMOD3.3	2.07E-05	0.258732	0.184	0.141	0.30994	M2	TMOD3
THOC6.3	2.16E-05	0.213589	0.213	0.166	0.323401	M2	THOC6
LGALS3BP.2	2.23E-05	-0.21398	0.358	0.456	0.333652	M2	LGALS3BP
NAV3.1	2.27E-05	-0.11587	0.004	0.03	0.338984	M2	NAV3
RSPH1.1	2.27E-05	-0.10252	0.003	0.027	0.339891	M2	RSPH1
TAX1BP3.3	2.28E-05	0.201759	0.41	0.38	0.341037	M2	TAX1BP3
ACAP1.4	2.29E-05	0.205559	0.116	0.077	0.341934	M2	ACAP1
PIP4K2C.3	2.31E-05	-0.12776	0.063	0.112	0.344473	M2	PIP4K2C
GPR146	2.31E-05	0.102241	0.042	0.02	0.344695	M2	GPR146
CYC1.4	2.35E-05	-0.15045	0.433	0.547	0.351665	M2	CYC1
RP2.5	2.43E-05	0.185051	0.114	0.075	0.362967	M2	RP2
EMC7	2.44E-05	0.165	0.465	0.453	0.364626	M2	EMC7
DHRS4.2	2.46E-05	0.122618	0.12	0.079	0.368216	M2	DHRS4
MED10.5	2.53E-05	-0.1391	0.369	0.492	0.377491	M2	MED10
HSPA6.3	2.53E-05	0.104413	0.143	0.096	0.378285	M2	HSPA6
LGI3.3	2.55E-05	-0.13274	0	0.022	0.380883	M2	LGI3
CCL4L2.4	2.57E-05	0.156792	0.126	0.083	0.38377	M2	CCL4L2
SDHD.3	2.60E-05	0.155586	0.421	0.394	0.388406	M2	SDHD
STX7.5	2.63E-05	0.199229	0.312	0.264	0.393207	M2	STX7
COA3.4	2.67E-05	-0.11226	0.364	0.485	0.398883	M2	COA3
ABCC5	2.67E-05	-0.1297	0.073	0.125	0.3992	M2	ABCC5
RAB3IL1.3	2.74E-05	0.12929	0.059	0.031	0.410164	M2	RAB3IL1
MYO5A.3	2.75E-05	0.209777	0.151	0.109	0.410944	M2	MYO5A
RASA4	2.78E-05	-0.10284	0.024	0.061	0.415765	M2	RASA4
NHP2.3	2.81E-05	-0.14231	0.471	0.588	0.420579	M2	NHP2
AGFG1.2	2.89E-05	0.285348	0.169	0.129	0.43161	M2	AGFG1
GLIPR1L2.2	2.89E-05	-0.10586	0.01	0.04	0.432577	M2	GLIPR1L2
DDX24	2.93E-05	-0.1249	0.367	0.49	0.438096	M2	DDX24
LSM7.2	2.95E-05	-0.14477	0.544	0.637	0.440257	M2	LSM7
FLII.4	3.04E-05	0.229701	0.229	0.184	0.45359	M2	FLII
BASP1.5	3.04E-05	0.166367	0.424	0.369	0.454569	M2	BASP1
SNRPE.3	3.05E-05	-0.15834	0.476	0.587	0.455879	M2	SNRPE
PSMC6.3	3.08E-05	-0.11239	0.286	0.394	0.460451	M2	PSMC6
FLNA.4	3.20E-05	0.260057	0.282	0.248	0.478293	M2	FLNA
TMEM205.4	3.24E-05	-0.21421	0.406	0.502	0.484443	M2	TMEM205
RAC1.2	3.28E-05	-0.10121	0.699	0.746	0.49034	M2	RAC1
FAM102B.1	3.32E-05	0.111612	0.052	0.027	0.496717	M2	FAM102B

RPS19BP1.	3.	3.7E-05	0.142042	0.501	0.49	0.504303	M2	RPS19BP1
PPP3CA.	3.	3.40E-05	-0.10216	0.174	0.251	0.508606	M2	PPP3CA
AKNA.	4.	3.54E-05	0.143857	0.109	0.07	0.529155	M2	AKNA
MORF4L2.	4.	3.59E-05	-0.15123	0.527	0.632	0.53694	M2	MORF4L2
C8orf59.	3.	3.69E-05	-0.12398	0.296	0.4	0.551456	M2	C8orf59
RHOQ.	4.	3.70E-05	0.228595	0.202	0.158	0.552725	M2	RHOQ
ACTR10.	3.	3.73E-05	-0.12353	0.268	0.366	0.557094	M2	ACTR10
RGS18.	5.	3.77E-05	0.101573	0.084	0.05	0.563407	M2	RGS18
ARAP2.	2.	3.77E-05	-0.10777	0.045	0.088	0.563613	M2	ARAP2
HSD17B7.	1.	3.89E-05	-0.10623	0.069	0.121	0.581621	M2	HSD17B7
MCM5.	5.	4.12E-05	0.180433	0.194	0.147	0.614952	M2	MCM5
RRM2.	4.	4.28E-05	-0.13077	0.028	0.065	0.64006	M2	RRM2
GIMAP2.	4.	4.29E-05	0.103571	0.115	0.074	0.641016	M2	GIMAP2
SUMO2.	3.	4.36E-05	-0.11849	0.808	0.822	0.651418	M2	SUMO2
EIF4EBP2.	4.	4.39E-05	0.230227	0.18	0.138	0.655639	M2	EIF4EBP2
CLEC9A.	4.	4.51E-05	-0.18257	0.008	0.034	0.673411	M2	CLEC9A
C20orf27.	4.	4.54E-05	-0.13727	0.273	0.366	0.678708	M2	C20orf27
CHMP4B.	3.	4.67E-05	0.143952	0.483	0.452	0.697403	M2	CHMP4B
SNAP23.	5.	4.67E-05	0.152852	0.289	0.241	0.697819	M2	SNAP23
VIMP.	2.	4.67E-05	0.155145	0.467	0.455	0.698077	M2	VIMP
C10orf35.	4.	4.72E-05	-0.12198	0.024	0.059	0.704868	M2	C10orf35
ZNF33A.	3.	4.72E-05	0.247341	0.138	0.098	0.706072	M2	ZNF33A
TBC1D1.	5.	4.76E-05	0.20274	0.162	0.12	0.711022	M2	TBC1D1
RFX5.	3.	4.76E-05	-0.10948	0.06	0.108	0.711149	M2	RFX5
NUDT22.	3.	4.79E-05	0.223524	0.304	0.267	0.715333	M2	NUDT22
IRF1.	4.	4.96E-05	-0.13101	0.143	0.21	0.740481	M2	IRF1
TAC3.	1.	4.97E-05	-0.11169	0.003	0.026	0.74254	M2	TAC3
RAB32.	5.	5.10E-05	0.212879	0.276	0.236	0.762504	M2	RAB32
ACY3.	2.	5.16E-05	-0.12399	0	0.021	0.770742	M2	ACY3
SLC25A39.	5.	5.22E-05	0.169066	0.425	0.404	0.779618	M2	SLC25A39
SPTSSA.	4.	5.26E-05	-0.17787	0.333	0.435	0.786315	M2	SPTSSA
HMOX2.	3.	5.35E-05	-0.10454	0.213	0.301	0.799809	M2	HMOX2
KCNK1.	1.	5.36E-05	-0.10012	0	0.02	0.801533	M2	KCNK1
RAB11A.	1.	5.46E-05	0.151819	0.481	0.465	0.815389	M2	RAB11A
KDM6B.	5.	5.51E-05	0.209828	0.267	0.219	0.82269	M2	KDM6B
EIF3M.	4.	5.56E-05	0.119726	0.534	0.525	0.830384	M2	EIF3M
GRASP.	5.	5.60E-05	0.159554	0.082	0.049	0.836343	M2	GRASP
SNRPB2.	3.	5.66E-05	-0.17129	0.462	0.571	0.846174	M2	SNRPB2
EMC3.		5.72E-05	0.143248	0.458	0.449	0.854331	M2	EMC3
CAPN3.	3.	5.78E-05	-0.2743	0.015	0.045	0.864127	M2	CAPN3
PLEKHH1.	3.	5.83E-05	-0.13155	0.008	0.034	0.870596	M2	PLEKHH1
VEGFB.	2.	5.86E-05	0.247996	0.183	0.142	0.875761	M2	VEGFB
APLN.	2.	5.97E-05	-0.10834	0.008	0.034	0.892523	M2	APLN
C6orf15.	3.	6.11E-05	-0.13766	0.005	0.03	0.912436	M2	C6orf15
AIDA.	2.	6.25E-05	-0.12636	0.167	0.24	0.934728	M2	AIDA
CHADL.	2.	6.37E-05	-0.12847	0.014	0.044	0.95228	M2	CHADL
FRMD4A.	4.	6.45E-05	0.153948	0.239	0.184	0.964062	M2	FRMD4A
PICALM.	5.	6.59E-05	0.173873	0.322	0.278	0.985185	M2	PICALM
GJB2.	2.	6.66E-05	-0.10422	0.019	0.051	0.995702	M2	GJB2
NEU4.	3.	6.76E-05	-0.12683	0.029	0.066	1	M2	NEU4
APOL2.	3.	6.83E-05	-0.21048	0.057	0.102	1	M2	APOL2



FRZB. 1	6.84E-05	-0.17419	0.017	0.047	1 M2	FRZB
RBPJ. 5	6.87E-05	0.141304	0.487	0.468	1 M2	RBPJ
CCT5. 2	6.93E-05	-0.12551	0.382	0.489	1 M2	CCT5
TRAPPC2L.	6.95E-05	0.183443	0.433	0.419	1 M2	TRAPPC2L
POLR1D. 3	7.28E-05	0.191624	0.432	0.414	1 M2	POLR1D
HSPB8. 2	7.30E-05	-0.12973	0.013	0.041	1 M2	HSPB8
CRELD2. 3	7.52E-05	0.2611	0.308	0.281	1 M2	CRELD2
GBP1. 2	7.52E-05	-0.27273	0.105	0.157	1 M2	GBP1
MCOLN1. 3	7.67E-05	0.244225	0.28	0.24	1 M2	MCOLN1
SCARB2. 4	7.75E-05	0.19337	0.4	0.38	1 M2	SCARB2
YME1L1. 3	8.06E-05	0.226278	0.294	0.258	1 M2	YME1L1
LIX1. 1	8.10E-05	-0.10079	0.001	0.022	1 M2	LIX1
EMC2. 1	8.21E-05	-0.12538	0.157	0.227	1 M2	EMC2
HTRA1. 5	8.22E-05	0.14524	0.488	0.458	1 M2	HTRA1
TSR2	8.30E-05	-0.12073	0.18	0.252	1 M2	TSR2
OLFML3. 4	8.31E-05	0.128985	0.281	0.223	1 M2	OLFML3
FOLH1. 2	8.58E-05	-0.10285	0	0.019	1 M2	FOLH1
PRKAR2B. 4	8.62E-05	-0.10835	0.034	0.071	1 M2	PRKAR2B
SFXN3	8.76E-05	0.220243	0.148	0.109	1 M2	SFXN3
DNASE2. 4	8.81E-05	0.117454	0.416	0.381	1 M2	DNASE2
CREBRF. 2	9.22E-05	0.186977	0.171	0.128	1 M2	CREBRF
DUT. 4	9.34E-05	-0.1112	0.363	0.461	1 M2	DUT
MBD4. 3	9.55E-05	0.185262	0.301	0.261	1 M2	MBD4
MYD88. 2	0.000102	0.211325	0.167	0.128	1 M2	MYD88
PDE2A	0.000104	0.111574	0.032	0.014	1 M2	PDE2A
FAM107B. 4	0.000104	0.131132	0.163	0.119	1 M2	FAM107B
PSMD7. 2	0.000104	0.108559	0.489	0.49	1 M2	PSMD7
RBM39. 2	0.000105	-0.12276	0.575	0.66	1 M2	RBM39
GFAP. 3	0.000108	-0.32186	0.284	0.354	1 M2	GFAP
RASGRP2. 5	0.000108	0.126998	0.08	0.05	1 M2	RASGRP2
PCBP2. 3	0.00011	0.100521	0.668	0.662	1 M2	PCBP2
AC015936.	0.00011	-0.10289	0.001	0.021	1 M2	AC015936. 3
EGLN3. 2	0.000111	0.179084	0.093	0.061	1 M2	EGLN3
DARS. 4	0.000113	0.174434	0.419	0.401	1 M2	DARS
TOMM20. 1	0.000114	0.114894	0.519	0.517	1 M2	TOMM20
SRA1. 3	0.000115	0.20883	0.411	0.398	1 M2	SRA1
TPTEP1. 1	0.000124	-0.10902	0.008	0.032	1 M2	TPTEP1
KIF22. 2	0.000127	-0.11262	0.137	0.201	1 M2	KIF22
RELB. 2	0.000131	0.21933	0.129	0.093	1 M2	RELB
IRF9. 1	0.000131	-0.1098	0.054	0.096	1 M2	IRF9
SLC01A2. 1	0.000132	-0.10092	0	0.018	1 M2	SLC01A2
PLCL1. 1	0.000133	-0.11233	0.009	0.034	1 M2	PLCL1
PAQR8. 3	0.000135	-0.16669	0.057	0.099	1 M2	PAQR8
NPPA. 3	0.000135	-0.11193	0.006	0.03	1 M2	NPPA
IGFLR1. 2	0.000137	0.142737	0.084	0.053	1 M2	IGFLR1
NKAIN2. 1	0.000137	-0.10013	0	0.018	1 M2	NKAIN2
SH3BP5. 4	0.000148	0.227112	0.238	0.198	1 M2	SH3BP5
ULK3. 3	0.000152	-0.10313	0.097	0.149	1 M2	ULK3
TOMM22. 4	0.000155	0.133811	0.475	0.468	1 M2	TOMM22
PTPN18. 5	0.000156	0.164838	0.254	0.208	1 M2	PTPN18
ADAM10. 3	0.000157	0.229472	0.221	0.181	1 M2	ADAM10

ARRDC1. 5	0.000159	0.158028	0.174	0.131	1 M2	ARRDC1
UPK3A. 1	0.00016	0.116609	0.019	0.007	1 M2	UPK3A
TNIP1. 2	0.000162	0.245205	0.241	0.206	1 M2	TNIP1
TAGLN. 2	0.000165	-0.28581	0.037	0.073	1 M2	TAGLN
YWHAH. 5	0.000165	0.114241	0.562	0.565	1 M2	YWHAH
CCT4. 2	0.000167	-0.13164	0.452	0.568	1 M2	CCT4
CREBL2. 4	0.000173	0.158838	0.231	0.186	1 M2	CREBL2
HHATL. 1	0.000175	-0.1182	0.001	0.02	1 M2	HHATL
SIPA1. 5	0.000176	0.171878	0.18	0.136	1 M2	SIPA1
MAP7. 3	0.000179	-0.16899	0.014	0.041	1 M2	MAP7
SH3D21. 2	0.00018	0.113146	0.043	0.023	1 M2	SH3D21
RAB1B. 1	0.000181	0.304108	0.264	0.234	1 M2	RAB1B
CD3D. 3	0.000181	-0.20925	0.001	0.02	1 M2	CD3D
SLC38A10. 0	0.000184	0.232934	0.234	0.196	1 M2	SLC38A10
LLGL2	0.000188	0.101003	0.029	0.013	1 M2	LLGL2
VTI1A. 3	0.000189	0.142973	0.096	0.063	1 M2	VTI1A
UBE2D1. 3	0.00019	0.230221	0.295	0.265	1 M2	UBE2D1
TPK1. 4	0.000195	0.139823	0.072	0.044	1 M2	TPK1
LTF. 3	0.000196	-0.28572	0.207	0.147	1 M2	LTF
EIF1. 5	0.000198	-0.16242	0.999	0.972	1 M2	EIF1
ADH5. 3	0.000198	-0.10063	0.3	0.395	1 M2	ADH5
PTRHD1. 1	0.000204	0.177942	0.347	0.317	1 M2	PTRHD1
DNAJB11. 2	0.000204	0.179794	0.436	0.433	1 M2	DNAJB11
SUCLG2. 3	0.000205	0.222218	0.278	0.243	1 M2	SUCLG2
FLOT1. 5	0.000206	0.126476	0.512	0.502	1 M2	FLOT1
ABCC1	0.000207	0.126367	0.052	0.029	1 M2	ABCC1
CTGF. 2	0.00021	-0.12137	0.008	0.031	1 M2	CTGF
IFIT1. 2	0.000212	-0.17055	0.04	0.076	1 M2	IFIT1
MARCH3. 3	0.000212	-0.10982	0.064	0.108	1 M2	3-Mar
ZCRB1. 4	0.000232	-0.12817	0.392	0.498	1 M2	ZCRB1
AP005530. 0	0.000233	-0.12246	0.008	0.03	1 M2	AP005530. 2
IGF2R. 2	0.000233	0.240188	0.128	0.094	1 M2	IGF2R
DPY30. 3	0.000238	-0.1071	0.393	0.503	1 M2	DPY30
PPM1N. 1	0.000243	0.112543	0.063	0.037	1 M2	PPM1N
ATL3. 2	0.000248	0.191859	0.172	0.135	1 M2	ATL3
MEF2A. 5	0.000255	0.12249	0.261	0.212	1 M2	MEF2A
RP11-552D. 0	0.000262	-0.27265	0.08	0.123	1 M2	RP11-552D4. 1
OCIAD1. 3	0.000264	-0.13633	0.539	0.643	1 M2	OCIAD1
RP11-166C. 0	0.000267	-0.11188	0.027	0.058	1 M2	RP11-16604. 6
TXNDC11. 2	0.000268	0.217396	0.151	0.114	1 M2	TXNDC11
CORO1C. 2	0.000277	0.172943	0.392	0.372	1 M2	CORO1C
NDUFA4L2. 0	0.000281	-0.11226	0.015	0.042	1 M2	NDUFA4L2
MAPKAPK2. 0	0.000282	0.246013	0.166	0.13	1 M2	MAPKAPK2
PHB. 3	0.000286	-0.12826	0.458	0.561	1 M2	PHB
CORO7. 5	0.000287	0.189094	0.198	0.155	1 M2	CORO7
PIM1. 2	0.000292	0.128714	0.17	0.127	1 M2	PIM1
UBASH3B. 3	0.000303	0.14956	0.105	0.073	1 M2	UBASH3B
FAM107A. 1	0.000318	-0.10247	0.02	0.049	1 M2	FAM107A
P2RY11. 3	0.000321	0.144758	0.12	0.084	1 M2	P2RY11
CAPN1. 3	0.00033	0.204471	0.289	0.257	1 M2	CAPN1
PTPN1. 4	0.000339	0.234643	0.261	0.23	1 M2	PTPN1

TSLP. 3	0.000339	-0.11907	0.003	0.021	1 M2	TSLP
RAMP3. 2	0.00034	-0.10023	0.006	0.028	1 M2	RAMP3
TUBB4B. 2	0.000373	0.10958	0.511	0.491	1 M2	TUBB4B
HSP90AB1. 0.000378	-0.10723	0.812	0.821	0.821	1 M2	HSP90AB1
C10orf76. 0.000381	0.130846	0.083	0.054	0.054	1 M2	C10orf76
NCOA4. 5	0.000383	0.172018	0.292	0.26	1 M2	NCOA4
TPCN1. 4	0.000385	0.139442	0.123	0.087	1 M2	TPCN1
P2RY12. 2	0.000385	-0.10681	0.003	0.021	1 M2	P2RY12
MIS18BP1. 0.000387	0.115967	0.188	0.144	0.144	1 M2	MIS18BP1
DDAH2. 3	0.000388	0.143853	0.502	0.488	1 M2	DDAH2
PCF11. 4	0.000398	-0.11133	0.148	0.208	1 M2	PCF11
RP11-862L. 0.000399	-0.13926	0.001	0.018	0.018	1 M2	RP11-862L9. 3
AAED1. 5	0.00042	0.180423	0.217	0.179	1 M2	AAED1
BDH2. 1	0.000461	-0.10446	0.096	0.145	1 M2	BDH2
MTIF3. 2	0.000466	0.202946	0.365	0.344	1 M2	MTIF3
TXNL1. 2	0.000466	0.12565	0.474	0.471	1 M2	TXNL1
SFR1. 2	0.000479	0.143939	0.097	0.066	1 M2	SFR1
AMDHD2. 3	0.00049	0.232657	0.155	0.121	1 M2	AMDHD2
EIF4B. 5	0.000506	0.159826	0.395	0.377	1 M2	EIF4B
SNAPC1. 2	0.000508	0.20351	0.22	0.186	1 M2	SNAPC1
IFITM1. 1	0.00051	-0.12396	0.014	0.038	1 M2	IFITM1
DAAM2. 1	0.000518	-0.11727	0.004	0.022	1 M2	DAAM2
ACER3. 4	0.000521	0.164809	0.221	0.182	1 M2	ACER3
NENF. 3	0.000527	-0.12513	0.406	0.5	1 M2	NENF
SH3PXD2B. 0.000555	0.251519	0.146	0.115	0.115	1 M2	SH3PXD2B
HYOU1. 3	0.000596	0.278493	0.169	0.137	1 M2	HYOU1
TRIM22. 4	0.000608	0.129556	0.172	0.132	1 M2	TRIM22
MAFF. 5	0.000608	0.165226	0.209	0.168	1 M2	MAFF
ANP32A. 5	0.000621	0.108086	0.442	0.427	1 M2	ANP32A
BSG. 5	0.000626	-0.15512	0.709	0.744	1 M2	BSG
MYCBP. 2	0.000634	0.19543	0.123	0.091	1 M2	MYCBP
SBF2-AS1. 0.000649	0.129628	0.046	0.026	0.026	1 M2	SBF2-AS1
DGUOK. 3	0.000653	-0.1121	0.429	0.522	1 M2	DGUOK
FAM204A. 3	0.000668	0.192986	0.287	0.255	1 M2	FAM204A
DOK1. 5	0.000684	0.159441	0.189	0.152	1 M2	DOK1
SLC8A1. 4	0.000698	0.146683	0.181	0.142	1 M2	SLC8A1
ACTA2. 2	0.000704	-0.11361	0.026	0.053	1 M2	ACTA2
LMAN1. 3	0.000707	0.148715	0.346	0.328	1 M2	LMAN1
GTF3C6. 2	0.000713	0.100881	0.507	0.514	1 M2	GTF3C6
TRIM25. 1	0.000767	0.232904	0.115	0.086	1 M2	TRIM25
DDX21. 3	0.000778	0.206814	0.323	0.298	1 M2	DDX21
MGAT5. 3	0.000788	0.111084	0.096	0.066	1 M2	MGAT5
ZCCHC2. 1	0.00079	0.119397	0.066	0.042	1 M2	ZCCHC2
UBE2D2. 3	0.000796	-0.10774	0.497	0.594	1 M2	UBE2D2
NMI. 4	0.000809	0.122991	0.22	0.18	1 M2	NMI
GNAS. 5	0.000825	-0.10427	0.602	0.65	1 M2	GNAS
OSR1. 2	0.000841	-0.12594	0	0.014	1 M2	OSR1
ITPRIP. 5	0.000844	0.145255	0.103	0.073	1 M2	ITPRIP
SND1. 2	0.000848	0.219218	0.281	0.254	1 M2	SND1
CALM1. 5	0.000863	-0.12086	0.766	0.772	1 M2	CALM1
HIST1H4E. 0.000867	-0.10581	0.005	0.023	0.023	1 M2	HIST1H4E

VIM-AS1.1	0.000878	0.242558	0.142	0.11	1 M2	VIM-AS1
ST3GAL6.5	0.00089	0.147726	0.146	0.109	1 M2	ST3GAL6
ATP5L2.1	0.000893	0.169359	0.124	0.091	1 M2	ATP5L2
HSPD1.4	0.000894	-0.151	0.521	0.621	1 M2	HSPD1
CHI3L1.5	0.000908	-0.36388	0.631	0.517	1 M2	CHI3L1
MDH2.2	0.000917	-0.14785	0.572	0.667	1 M2	MDH2
NACA2.2	0.000928	0.243849	0.201	0.165	1 M2	NACA2
DTX2.2	0.000937	0.153727	0.088	0.061	1 M2	DTX2
CDK2AP2.3	0.000939	0.16252	0.35	0.327	1 M2	CDK2AP2
EIF4G2.4	0.000941	-0.11998	0.598	0.664	1 M2	EIF4G2
TDP2.2	0.000951	0.231261	0.212	0.181	1 M2	TDP2
TNFRSF12A	0.000953	-0.17119	0.241	0.29	1 M2	TNFRSF12A
NAAA.5	0.000953	0.115981	0.169	0.131	1 M2	NAAA
DENND1A.1	0.000961	0.188778	0.077	0.051	1 M2	DENND1A
CFL1.4	0.000963	-0.10054	0.99	0.947	1 M2	CFL1
C15orf57.	0.000968	0.200517	0.155	0.122	1 M2	C15orf57
BCL2L11.1	0.000975	0.162679	0.072	0.047	1 M2	BCL2L11
DDOST.2	0.001012	0.129578	0.46	0.465	1 M2	DDOST
PWWP2B.2	0.001026	0.110536	0.054	0.032	1 M2	PWWP2B
MYO9B.4	0.00107	0.250847	0.291	0.268	1 M2	MYO9B
EAF1.2	0.001073	0.190044	0.153	0.122	1 M2	EAF1
MSRB2.4	0.001083	0.15242	0.286	0.253	1 M2	MSRB2
PACSIN2.5	0.001098	0.192313	0.206	0.172	1 M2	PACSIN2
JUND.4	0.001103	0.188568	0.411	0.398	1 M2	JUND
GBA.1	0.001115	0.191153	0.161	0.128	1 M2	GBA
SLC12A7.2	0.001142	0.137616	0.063	0.04	1 M2	SLC12A7
ZMYND15.3	0.001145	0.102865	0.082	0.055	1 M2	ZMYND15
EIF2S3.3	0.001157	0.159498	0.317	0.293	1 M2	EIF2S3
CLIP4	0.001176	0.149742	0.08	0.055	1 M2	CLIP4
NAA10.3	0.001202	0.203134	0.419	0.426	1 M2	NAA10
PSMA6.3	0.001252	0.207247	0.253	0.221	1 M2	PSMA6
RP11-295G	0.001274	0.165249	0.068	0.044	1 M2	RP11-295G20.2
IRF2BP2.4	0.001279	0.229415	0.335	0.314	1 M2	IRF2BP2
IKBIP.4	0.001286	0.197031	0.255	0.224	1 M2	IKBIP
CCNY.3	0.001287	0.229077	0.137	0.107	1 M2	CCNY
DPCD.3	0.001308	0.256344	0.189	0.159	1 M2	DPCD
RP11-796E	0.00136	0.122059	0.092	0.063	1 M2	RP11-796E2.4
NEK6.3	0.001377	0.124452	0.327	0.287	1 M2	NEK6
MARVELD1.	0.001379	0.20092	0.06	0.038	1 M2	MARVELD1
TMEM150A	0.001384	0.190471	0.18	0.147	1 M2	TMEM150A
MAP3K3.4	0.001396	0.1396	0.089	0.062	1 M2	MAP3K3
DENND4B.3	0.00141	0.135698	0.095	0.067	1 M2	DENND4B
AC074289.	0.001437	-0.13033	0.034	0.063	1 M2	AC074289.1
PSMB5.4	0.001458	-0.1421	0.498	0.602	1 M2	PSMB5
DGUOK-AS1	0.001473	0.141299	0.026	0.012	1 M2	DGUOK-AS1
AMPD2.4	0.00154	0.263043	0.18	0.15	1 M2	AMPD2
STEAP4	0.001577	0.121178	0.015	0.006	1 M2	STEAP4
ITPRIPL2.	0.001615	0.183385	0.098	0.072	1 M2	ITPRIPL2
ARSG.1	0.001623	0.179742	0.112	0.084	1 M2	ARSG
SEL1L.2	0.001626	0.183161	0.202	0.171	1 M2	SEL1L
MLX.3	0.001628	0.233324	0.317	0.297	1 M2	MLX

SCNN1A	0.001656	-0.10942	0.027	0.053	1 M2	SCNN1A
SRRM1.1	0.001696	0.116413	0.512	0.518	1 M2	SRRM1
THG1L.1	0.001741	0.199045	0.101	0.074	1 M2	THG1L
RP11-841C	0.001764	0.129061	0.079	0.054	1 M2	RP11-841020.2
ASB1.1	0.001779	0.172949	0.128	0.098	1 M2	ASB1
UBAC2.4	0.001796	0.215539	0.291	0.27	1 M2	UBAC2
ABI1.5	0.001807	0.136247	0.269	0.239	1 M2	ABI1
TBC1D16.2	0.001864	0.23172	0.161	0.132	1 M2	TBC1D16
DNAJB1.2	0.001927	-0.17228	0.511	0.617	1 M2	DNAJB1
VEGFA.3	0.002025	0.172214	0.245	0.214	1 M2	VEGFA
PELI1.5	0.002036	0.164796	0.243	0.207	1 M2	PELI1
C6orf48.3	0.002091	-0.15896	0.554	0.653	1 M2	C6orf48
ACADS.1	0.002137	0.185083	0.146	0.116	1 M2	ACADS
PTGES3.2	0.002206	-0.15547	0.639	0.725	1 M2	PTGES3
PTP4A2.4	0.002311	-0.10745	0.382	0.458	1 M2	PTP4A2
LRRK2.4	0.002353	0.146613	0.084	0.059	1 M2	LRRK2
BAG3.3	0.002356	0.215113	0.135	0.106	1 M2	BAG3
MEA1.1	0.002382	0.149633	0.433	0.433	1 M2	MEA1
NAPA.2	0.002394	0.174528	0.4	0.393	1 M2	NAPA
NPTN.2	0.002397	0.13355	0.086	0.06	1 M2	NPTN
TMEM243.3	0.002468	0.1695	0.232	0.2	1 M2	TMEM243
MAFK.1	0.002489	0.126378	0.059	0.038	1 M2	MAFK
RANBP2.5	0.002499	0.204642	0.235	0.207	1 M2	RANBP2
TMIGD2.2	0.002502	-0.10355	0.005	0.021	1 M2	TMIGD2
CDC123.2	0.002505	0.153085	0.347	0.336	1 M2	CDC123
MDFIC	0.002518	0.126045	0.064	0.043	1 M2	MDFIC
PNPO.2	0.002544	0.124352	0.105	0.077	1 M2	PNPO
ETFA.3	0.002583	0.132676	0.379	0.372	1 M2	ETFA
TBC1D2B.4	0.002601	0.116196	0.074	0.05	1 M2	TBC1D2B
OPALIN.2	0.002649	-0.16709	0.001	0.014	1 M2	OPALIN
PPP1R15B.	0.002662	0.180879	0.146	0.116	1 M2	PPP1R15B
LASP1.5	0.002668	0.186559	0.236	0.208	1 M2	LASP1
MGP.4	0.002805	-0.59139	0.075	0.106	1 M2	MGP
SNRPD3.4	0.002817	0.17486	0.415	0.414	1 M2	SNRPD3
TECR.3	0.002834	-0.13391	0.465	0.548	1 M2	TECR
IFIT2.3	0.002876	-0.14389	0.054	0.084	1 M2	IFIT2
RASSF7.4	0.002877	0.150028	0.095	0.069	1 M2	RASSF7
STARD4	0.002914	0.126532	0.05	0.031	1 M2	STARD4
ELMO1.4	0.003014	-0.11819	0.148	0.193	1 M2	ELMO1
UBXN11.2	0.003018	0.248148	0.162	0.134	1 M2	UBXN11
STX8.1	0.003033	0.206527	0.367	0.36	1 M2	STX8
GNPDA1	0.003094	0.193592	0.259	0.238	1 M2	GNPDA1
APH1A.3	0.00313	0.102237	0.473	0.485	1 M2	APH1A
CXorf38.1	0.003151	0.142819	0.093	0.068	1 M2	CXorf38
UBAP1.2	0.003175	0.206444	0.208	0.182	1 M2	UBAP1
PFKFB4	0.003217	0.107444	0.055	0.035	1 M2	PFKFB4
CLTC.3	0.00323	0.180867	0.355	0.348	1 M2	CLTC
TUBB6.3	0.003276	0.16401	0.209	0.182	1 M2	TUBB6
PREX1.5	0.003326	0.175185	0.245	0.216	1 M2	PREX1
COPZ1.2	0.00341	0.110065	0.469	0.487	1 M2	COPZ1
MT1E.5	0.003468	-0.32795	0.335	0.383	1 M2	MT1E

NEK7	0.003548	0.117925	0.101	0.074	1 M2	NEK7
GZMA.3	0.003619	-0.145	0.003	0.015	1 M2	GZMA
NR1H2.5	0.003661	0.200843	0.317	0.302	1 M2	NR1H2
UCHL3.2	0.003719	0.159325	0.272	0.246	1 M2	UCHL3
ZFYVE16.2	0.003751	0.208835	0.198	0.17	1 M2	ZFYVE16
ATG7.3	0.00378	0.155776	0.138	0.109	1 M2	ATG7
IGLON5.2	0.003828	0.141003	0.068	0.046	1 M2	IGLON5
TMEM87B.3	0.004016	0.116476	0.089	0.065	1 M2	TMEM87B
CDC42SE1.	0.004029	0.18811	0.323	0.303	1 M2	CDC42SE1
FAM35A	0.004036	0.129212	0.084	0.06	1 M2	FAM35A
BHLHE41.4	0.004434	-0.12375	0.165	0.211	1 M2	BHLHE41
NUMB.5	0.004512	0.143798	0.199	0.168	1 M2	NUMB
SEC24D.1	0.004697	0.144934	0.116	0.09	1 M2	SEC24D
NAGPA.3	0.004754	0.155774	0.134	0.107	1 M2	NAGPA
TMEM134.3	0.004862	0.201468	0.319	0.309	1 M2	TMEM134
GGA1.5	0.004907	0.19719	0.307	0.288	1 M2	GGA1
ARF3.3	0.00491	0.193368	0.374	0.378	1 M2	ARF3
EDEM2.2	0.004963	0.15886	0.259	0.239	1 M2	EDEM2
UBR4.4	0.005023	0.278236	0.169	0.143	1 M2	UBR4
CHMP2B.2	0.005093	0.179135	0.319	0.306	1 M2	CHMP2B
FTL.5	0.005256	-0.1864	1	0.993	1 M2	FTL
EXOSC1	0.005511	0.18847	0.206	0.18	1 M2	EXOSC1
WASF2.5	0.005627	0.100434	0.446	0.438	1 M2	WASF2
SSNA1.3	0.005644	0.14463	0.436	0.446	1 M2	SSNA1
PLAC8.4	0.005675	-0.16247	0.045	0.07	1 M2	PLAC8
NSMAF.3	0.005681	0.153273	0.142	0.114	1 M2	NSMAF
ETV3.5	0.005715	0.141216	0.1	0.075	1 M2	ETV3
MAOA.1	0.005753	0.109638	0.047	0.03	1 M2	MAOA
PLK3.5	0.006033	0.149788	0.269	0.239	1 M2	PLK3
CELF2.5	0.006036	0.107065	0.4	0.382	1 M2	CELF2
GALC.2	0.006051	0.151055	0.126	0.101	1 M2	GALC
TEX264.1	0.006245	0.10501	0.397	0.396	1 M2	TEX264
HNRNPDL.2	0.006266	-0.13411	0.739	0.802	1 M2	HNRNPDL
IMPDH1.3	0.006429	0.18214	0.181	0.156	1 M2	IMPDH1
ASPH.2	0.006445	0.216435	0.285	0.276	1 M2	ASPH
ZNF780A	0.006687	0.156583	0.089	0.067	1 M2	ZNF780A
CD2.4	0.006695	-0.1416	0.006	0.02	1 M2	CD2
AP5B1.2	0.006701	0.112188	0.072	0.05	1 M2	AP5B1
NUDT16.5	0.006811	0.157383	0.244	0.217	1 M2	NUDT16
BEX4.4	0.006924	-0.10888	0.406	0.482	1 M2	BEX4
GTF2B.4	0.006949	0.142955	0.321	0.299	1 M2	GTF2B
DYM.1	0.007155	0.158118	0.114	0.089	1 M2	DYM
RP11-1143	0.007156	0.133002	0.072	0.05	1 M2	RP11-1143G9.4
PDCD5.5	0.007204	-0.12951	0.451	0.545	1 M2	PDCD5
SAA2.3	0.007272	-0.5096	0.032	0.053	1 M2	SAA2
RSL1D1.2	0.007288	0.103417	0.475	0.498	1 M2	RSL1D1
GAB2.3	0.007341	0.151389	0.087	0.064	1 M2	GAB2
PHLDA2.1	0.00736	0.160149	0.069	0.049	1 M2	PHLDA2
HDLBP.2	0.007399	0.181583	0.338	0.336	1 M2	HDLBP
OSER1.1	0.007423	0.195894	0.313	0.301	1 M2	OSER1
PTPRCAP.3	0.007481	-0.14533	0.011	0.027	1 M2	PTPRCAP

CKS2. 5	0. 007619	0. 116838	0. 388	0. 365	1 M2	CKS2
DNAJA4. 4	0. 008101	0. 116246	0. 083	0. 06	1 M2	DNAJA4
MBP. 2	0. 008345	-0. 49394	0. 213	0. 24	1 M2	MBP
FBXW5. 3	0. 00839	0. 198424	0. 298	0. 287	1 M2	FBXW5
IMPDH2. 5	0. 008504	-0. 10597	0. 338	0. 422	1 M2	IMPDH2
ALDOC. 4	0. 008547	0. 11274	0. 184	0. 153	1 M2	ALDOC
EPS8. 2	0. 008644	0. 156572	0. 152	0. 124	1 M2	EPS8
LINC00998	0. 008896	0. 127281	0. 368	0. 372	1 M2	LINC00998
LCK. 2	0. 009224	-0. 10185	0. 004	0. 015	1 M2	LCK
NDUFC1. 4	0. 009566	-0. 13916	0. 474	0. 558	1 M2	NDUFC1
KIAA0101.	0	1. 546854	0. 835	0. 1	0 Mcy	KIAA0101
TK1. 4	0	1. 529662	0. 78	0. 054	0 Mcy	TK1
RRM2. 5	0	1. 431223	0. 685	0. 048	0 Mcy	RRM2
BIRC5. 6	0	1. 411762	0. 791	0. 088	0 Mcy	BIRC5
ZWINT. 4	0	1. 329789	0. 722	0. 078	0 Mcy	ZWINT
MKI67. 5	#####	1. 217606	0. 579	0. 05	##### Mcy	MKI67
CDK1. 4	#####	1. 293507	0. 711	0. 082	##### Mcy	CDK1
CENPM. 5	#####	1. 170579	0. 615	0. 061	##### Mcy	CENPM
UBE2C. 6	#####	1. 47167	0. 773	0. 101	##### Mcy	UBE2C
CCNB2. 5	#####	1. 04791	0. 535	0. 052	##### Mcy	CCNB2
AURKB. 5	#####	1. 033209	0. 465	0. 039	##### Mcy	AURKB
NUSAP1. 5	#####	1. 260608	0. 685	0. 091	##### Mcy	NUSAP1
APOBEC3B.	#####	0. 74193	0. 37	0. 025	##### Mcy	APOBEC3B
CEP55	#####	0. 712013	0. 341	0. 022	##### Mcy	CEP55
SHCBP1. 3	#####	0. 858183	0. 454	0. 044	##### Mcy	SHCBP1
HMMR. 3	#####	0. 857496	0. 385	0. 032	##### Mcy	HMMR
CCNA2. 5	#####	0. 869803	0. 454	0. 047	##### Mcy	CCNA2
CENPW. 3	#####	1. 08556	0. 656	0. 105	##### Mcy	CENPW
CDKN3. 5	#####	1. 009984	0. 575	0. 08	##### Mcy	CDKN3
TOP2A. 6	#####	0. 930676	0. 557	0. 075	##### Mcy	TOP2A
DERL3	#####	0. 599873	0. 264	0. 016	##### Mcy	DERL3
ASF1B. 3	#####	0. 828861	0. 447	0. 051	##### Mcy	ASF1B
MND1. 2	#####	0. 769474	0. 374	0. 037	##### Mcy	MND1
KIF11	#####	0. 676036	0. 3	0. 023	##### Mcy	KIF11
RNASE2. 6	#####	0. 995577	0. 773	0. 143	##### Mcy	RNASE2
CKS1B. 2	#####	1. 154991	0. 864	0. 244	##### Mcy	CKS1B
PRC1. 5	#####	0. 903266	0. 524	0. 076	##### Mcy	PRC1
CDCA3. 5	#####	0. 851804	0. 399	0. 044	##### Mcy	CDCA3
CDC20. 4	#####	0. 922716	0. 458	0. 059	##### Mcy	CDC20
RAD51AP1.	#####	0. 849338	0. 44	0. 057	##### Mcy	RAD51AP1
RP11-742E	#####	0. 612213	0. 293	0. 024	##### Mcy	RP11-742B18. 1
CRIP1. 4	#####	0. 766075	0. 333	0. 032	##### Mcy	CRIP1
CENPF. 6	#####	0. 947453	0. 546	0. 091	##### Mcy	CENPF
CENPN. 3	#####	0. 854246	0. 498	0. 078	##### Mcy	CENPN
TCF19. 1	#####	0. 72723	0. 359	0. 041	##### Mcy	TCF19
NUF2. 6	#####	0. 750318	0. 418	0. 054	##### Mcy	NUF2
HIST1H2BH	#####	0. 573389	0. 245	0. 018	##### Mcy	HIST1H2BH
TACC3. 3	#####	0. 811039	0. 462	0. 068	##### Mcy	TACC3
CLSPN. 4	#####	0. 80659	0. 407	0. 054	##### Mcy	CLSPN
ST14. 6	#####	0. 691881	0. 462	0. 063	##### Mcy	ST14
KIF2C. 4	#####	0. 724593	0. 333	0. 036	##### Mcy	KIF2C

PLK1. 4	#####	0. 813069	0. 377	0. 047	#####	Mcy	PLK1
TYMS. 5	#####	1. 045045	0. 641	0. 149	#####	Mcy	TYMS
PLEK2. 4	#####	0. 496568	0. 242	0. 019	#####	Mcy	PLEK2
MELK. 2	#####	0. 623006	0. 337	0. 039	#####	Mcy	MELK
PTTG1. 5	#####	1. 058976	0. 766	0. 218	#####	Mcy	PTTG1
GTSE1. 4	#####	0. 711322	0. 381	0. 05	#####	Mcy	GTSE1
SGOL1. 4	#####	0. 748773	0. 381	0. 05	#####	Mcy	SGOL1
TGFBI. 6	#####	0. 996586	0. 777	0. 192	#####	Mcy	TGFBI
TROAP. 5	#####	0. 719036	0. 333	0. 04	#####	Mcy	TROAP
CENPU. 5	#####	0. 866515	0. 516	0. 095	#####	Mcy	CENPU
TNFRSF11A	#####	0. 496862	0. 238	0. 019	#####	Mcy	TNFRSF11A
S100A9. 6	#####	0. 878736	0. 813	0. 21	#####	Mcy	S100A9
PKMYT1. 4	#####	0. 681994	0. 315	0. 036	#####	Mcy	PKMYT1
RAC2. 6	#####	0. 727025	0. 579	0. 108	#####	Mcy	RAC2
KIFC1. 4	#####	0. 635291	0. 377	0. 051	#####	Mcy	KIFC1
ASPM. 6	#####	0. 692865	0. 33	0. 04	#####	Mcy	ASPM
DEPDC1. 2	#####	0. 595183	0. 278	0. 029	#####	Mcy	DEPDC1
NCAPG. 4	#####	0. 587579	0. 304	0. 035	#####	Mcy	NCAPG
DIAPH3	#####	0. 494381	0. 264	0. 027	#####	Mcy	DIAPH3
SPC25. 6	#####	0. 70055	0. 374	0. 054	#####	Mcy	SPC25
TPX2. 5	#####	0. 853223	0. 436	0. 074	#####	Mcy	TPX2
SLFN13	#####	0. 376225	0. 143	0. 007	#####	Mcy	SLFN13
CDCA5. 4	#####	0. 618002	0. 311	0. 039	4. 16E-99	Mcy	CDCA5
MAD2L1. 5	#####	0. 822949	0. 553	0. 118	7. 21E-99	Mcy	MAD2L1
SKA3	#####	0. 502923	0. 275	0. 03	1. 06E-98	Mcy	SKA3
SYK. 6	#####	0. 695716	0. 516	0. 096	8. 19E-98	Mcy	SYK
S100A8. 6	#####	0. 840691	0. 703	0. 173	1. 36E-97	Mcy	S100A8
MAPK13. 3	#####	0. 534213	0. 253	0. 025	1. 77E-97	Mcy	MAPK13
CLEC5A. 6	#####	0. 765104	0. 498	0. 09	4. 79E-96	Mcy	CLEC5A
POC1A. 3	1. 05E-99	0. 695069	0. 344	0. 05	1. 56E-95	Mcy	POC1A
DLGAP5. 5	6. 59E-99	0. 572376	0. 267	0. 03	9. 85E-95	Mcy	DLGAP5
S100A4. 6	1. 20E-98	0. 928093	0. 905	0. 281	1. 79E-94	Mcy	S100A4
KIF20B. 3	1. 94E-98	0. 727127	0. 44	0. 079	2. 89E-94	Mcy	KIF20B
NDC80. 4	3. 99E-98	0. 692514	0. 315	0. 042	5. 96E-94	Mcy	NDC80
STAB1. 5	5. 96E-97	0. 737578	0. 652	0. 15	8. 91E-93	Mcy	STAB1
CACNA2D4. 4	3. 43E-95	0. 641189	0. 407	0. 066	5. 13E-91	Mcy	CACNA2D4
CCNB1. 4	6. 81E-95	0. 829264	0. 44	0. 082	1. 02E-90	Mcy	CCNB1
AURKA. 3	6. 87E-94	0. 731586	0. 403	0. 07	1. 03E-89	Mcy	AURKA
MNDA. 6	1. 28E-91	0. 726645	0. 678	0. 165	1. 91E-87	Mcy	MNDA
CENPA. 6	9. 31E-91	0. 594158	0. 311	0. 043	1. 39E-86	Mcy	CENPA
RAD51	1. 81E-90	0. 398731	0. 227	0. 023	2. 71E-86	Mcy	RAD51
MALAT1. 6	1. 16E-89	-0. 65891	0. 993	0. 996	1. 74E-85	Mcy	MALAT1
MYBL2. 4	3. 58E-89	0. 592319	0. 289	0. 039	5. 35E-85	Mcy	MYBL2
NEK2. 4	2. 65E-87	0. 538437	0. 245	0. 028	3. 97E-83	Mcy	NEK2
MTFR2	2. 67E-87	0. 435414	0. 179	0. 015	3. 99E-83	Mcy	MTFR2
RETN. 4	8. 84E-86	0. 565866	0. 183	0. 016	1. 32E-81	Mcy	RETN
CDCA8. 3	1. 34E-85	0. 57513	0. 267	0. 034	2. 01E-81	Mcy	CDCA8
CENPE. 5	2. 45E-85	0. 679817	0. 322	0. 049	3. 66E-81	Mcy	CENPE
MARCO. 3	8. 08E-85	0. 828949	0. 337	0. 052	1. 21E-80	Mcy	MARCO
NCAPH. 1	1. 30E-83	0. 476546	0. 249	0. 03	1. 95E-79	Mcy	NCAPH
CDC45. 2	7. 44E-82	0. 530683	0. 245	0. 03	1. 11E-77	Mcy	CDC45



TRIP13. 1	5. 98E-81	0. 496172	0. 282	0. 04	8. 94E-77	Mcy	TRIP13
KIF23. 3	2. 23E-80	0. 557182	0. 26	0. 034	3. 33E-76	Mcy	KIF23
CENPK. 4	3. 80E-80	0. 763624	0. 429	0. 091	5. 67E-76	Mcy	CENPK
OIP5. 3	9. 72E-80	0. 5548	0. 264	0. 036	1. 45E-75	Mcy	OIP5
LYZ. 6	2. 73E-79	0. 823123	0. 696	0. 194	4. 08E-75	Mcy	LYZ
NCKAP1L. 6	2. 87E-79	0. 621957	0. 516	0. 112	4. 29E-75	Mcy	NCKAP1L
BUB1. 3	9. 62E-79	0. 497743	0. 26	0. 035	1. 44E-74	Mcy	BUB1
PLK4	7. 28E-78	0. 454513	0. 198	0. 021	1. 09E-73	Mcy	PLK4
TMEM106C. 2	0. 7E-77	0. 8647	0. 696	0. 256	3. 10E-73	Mcy	TMEM106C
DNAJC9. 3	7. 15E-77	0. 810629	0. 546	0. 153	1. 07E-72	Mcy	DNAJC9
PRRG4. 4	7. 07E-76	0. 45432	0. 278	0. 039	1. 06E-71	Mcy	PRRG4
ZDHHC12. 6	1. 51E-75	0. 798935	0. 703	0. 25	2. 25E-71	Mcy	ZDHHC12
FANCI. 3	1. 77E-75	0. 524917	0. 275	0. 041	2. 65E-71	Mcy	FANCI
FAM111B	7. 15E-75	0. 461607	0. 205	0. 023	1. 07E-70	Mcy	FAM111B
HPRT1. 6	8. 96E-75	0. 731603	0. 681	0. 22	1. 34E-70	Mcy	HPRT1
VAMP8. 6	1. 12E-74	0. 745546	0. 927	0. 329	1. 67E-70	Mcy	VAMP8
MS4A4A. 6	4. 42E-74	0. 637089	0. 853	0. 272	6. 61E-70	Mcy	MS4A4A
SKA1	8. 45E-74	0. 41758	0. 212	0. 025	1. 26E-69	Mcy	SKA1
MGMT. 6	8. 75E-74	0. 675689	0. 557	0. 142	1. 31E-69	Mcy	MGMT
CASC5	1. 04E-73	0. 508405	0. 216	0. 026	1. 55E-69	Mcy	CASC5
FCGBP. 5	1. 06E-73	0. 74263	0. 718	0. 217	1. 59E-69	Mcy	FCGBP
FAM26F. 6	2. 88E-73	0. 726977	0. 601	0. 156	4. 30E-69	Mcy	FAM26F
GMFG. 6	3. 82E-73	0. 696668	0. 868	0. 284	5. 71E-69	Mcy	GMFG
CD93. 6	6. 09E-73	0. 562175	0. 355	0. 064	9. 10E-69	Mcy	CD93
GALM. 5	1. 00E-72	0. 662155	0. 48	0. 116	1. 49E-68	Mcy	GALM
HMGB2. 6	4. 78E-72	0. 762418	0. 952	0. 484	7. 14E-68	Mcy	HMGB2
ENG. 6	5. 55E-72	0. 642508	0. 586	0. 155	8. 29E-68	Mcy	ENG
PHF19. 4	1. 12E-71	0. 694259	0. 473	0. 121	1. 67E-67	Mcy	PHF19
ANLN. 5	5. 30E-71	0. 545919	0. 322	0. 056	7. 92E-67	Mcy	ANLN
UBE2T. 6	7. 07E-71	0. 747653	0. 476	0. 119	1. 06E-66	Mcy	UBE2T
FOXM1. 4	8. 62E-71	0. 655791	0. 286	0. 046	1. 29E-66	Mcy	FOXM1
STXBP2. 6	9. 82E-71	0. 630757	0. 608	0. 162	1. 47E-66	Mcy	STXBP2
GNA15. 6	2. 34E-70	0. 612337	0. 462	0. 101	3. 49E-66	Mcy	GNA15
CD163. 6	5. 36E-70	0. 721554	0. 817	0. 263	8. 01E-66	Mcy	CD163
CKAP2L. 5	4. 10E-69	0. 526852	0. 264	0. 04	6. 12E-65	Mcy	CKAP2L
HJURP. 4	1. 06E-67	0. 471565	0. 242	0. 035	1. 58E-63	Mcy	HJURP
SPAG5. 2	1. 22E-67	0. 488685	0. 256	0. 039	1. 82E-63	Mcy	SPAG5
CD180. 5	1. 56E-67	0. 441454	0. 234	0. 032	2. 32E-63	Mcy	CD180
PARVG. 6	1. 85E-67	0. 622468	0. 579	0. 152	2. 77E-63	Mcy	PARVG
KIF22. 3	2. 12E-67	0. 786065	0. 59	0. 187	3. 17E-63	Mcy	KIF22
SQRDL. 6	2. 34E-67	0. 60144	0. 56	0. 151	3. 49E-63	Mcy	SQRDL
SMC2. 4	2. 74E-67	0. 746818	0. 586	0. 191	4. 10E-63	Mcy	SMC2
CD300C. 6	4. 57E-67	0. 459361	0. 337	0. 061	6. 83E-63	Mcy	CD300C
ALOX5AP. 6	1. 44E-66	0. 69542	0. 967	0. 386	2. 16E-62	Mcy	ALOX5AP
LMNB1. 5	3. 01E-65	0. 665622	0. 505	0. 141	4. 50E-61	Mcy	LMNB1
SLC16A10. 3	8. 0E-65	0. 604956	0. 385	0. 08	5. 69E-61	Mcy	SLC16A10
ARHGDIB. 6	4. 50E-65	0. 676241	0. 949	0. 358	6. 73E-61	Mcy	ARHGDIB
KCNN4. 3	7. 36E-65	0. 36624	0. 216	0. 028	1. 10E-60	Mcy	KCNN4
SIGLEC9. 6	8. 40E-65	0. 491214	0. 403	0. 085	1. 25E-60	Mcy	SIGLEC9
ACO92484. 2	5. 3E-64	0. 551646	0. 128	0. 01	3. 78E-60	Mcy	ACO92484. 1
SERPINA1. 3	3. 37E-64	0. 684993	0. 828	0. 287	5. 04E-60	Mcy	SERPINA1

LCP1. 5	5. 54E-64	0. 512488	0. 527	0. 133	8. 27E-60	Mcy	LCP1
TCIRG1. 6	7. 72E-64	0. 582714	0. 48	0. 117	1. 15E-59	Mcy	TCIRG1
CYBB. 6	1. 31E-63	0. 637571	0. 637	0. 181	1. 96E-59	Mcy	CYBB
FEN1. 4	1. 62E-63	0. 715701	0. 465	0. 128	2. 42E-59	Mcy	FEN1
Clorf162. 2	4. 9E-63	0. 619907	0. 883	0. 309	3. 73E-59	Mcy	Clorf162
CTSZ. 6	3. 22E-63	0. 68308	0. 736	0. 245	4. 82E-59	Mcy	CTSZ
CD4. 6	3. 25E-63	0. 608154	0. 546	0. 146	4. 86E-59	Mcy	CD4
HNMT. 5	1. 11E-62	0. 703888	0. 645	0. 208	1. 66E-58	Mcy	HNMT
CIDEB. 4	1. 34E-62	0. 298277	0. 183	0. 021	2. 01E-58	Mcy	CIDEB
RACGAP1. 3	1. 87E-62	0. 594031	0. 355	0. 076	2. 80E-58	Mcy	RACGAP1
SIGLEC7. 6	3. 35E-62	0. 52488	0. 344	0. 068	5. 01E-58	Mcy	SIGLEC7
LRR1. 2	2. 52E-61	0. 526726	0. 359	0. 08	3. 76E-57	Mcy	LRR1
SMC4. 4	2. 95E-61	0. 694848	0. 59	0. 203	4. 41E-57	Mcy	SMC4
ESCO2. 1	3. 41E-61	0. 400513	0. 212	0. 03	5. 10E-57	Mcy	ESCO2
KIF15	9. 77E-61	0. 426537	0. 209	0. 029	1. 46E-56	Mcy	KIF15
FAM111A. 3	5. 37E-60	0. 676493	0. 407	0. 102	8. 03E-56	Mcy	FAM111A
FUOM. 6	7. 66E-60	0. 600536	0. 491	0. 132	1. 14E-55	Mcy	FUOM
MCM5. 6	3. 53E-59	0. 682654	0. 491	0. 142	5. 27E-55	Mcy	MCM5
LAIR1. 6	6. 74E-59	0. 58851	0. 689	0. 22	1. 01E-54	Mcy	LAIR1
CDCA2	2. 67E-58	0. 37192	0. 198	0. 027	3. 99E-54	Mcy	CDCA2
DEPDC1B. 1	3. 40E-58	0. 423189	0. 212	0. 031	5. 09E-54	Mcy	DEPDC1B
ARHGAP18. 1	1. 24E-57	0. 587904	0. 56	0. 163	1. 85E-53	Mcy	ARHGAP18
SLC16A3. 6	1. 24E-57	0. 678015	0. 791	0. 309	1. 86E-53	Mcy	SLC16A3
NRGN	1. 37E-57	0. 445838	0. 223	0. 035	2. 05E-53	Mcy	NRGN
FERMT3. 6	1. 39E-57	0. 552435	0. 56	0. 157	2. 07E-53	Mcy	FERMT3
FXYD5. 6	1. 92E-57	0. 606733	0. 868	0. 328	2. 87E-53	Mcy	FXYD5
FANCD2	2. 58E-57	0. 447523	0. 216	0. 033	3. 86E-53	Mcy	FANCD2
GSTO1. 5	2. 61E-57	0. 636341	0. 886	0. 446	3. 90E-53	Mcy	GSTO1
ARHGAP4. 6	2. 83E-57	0. 51354	0. 44	0. 108	4. 23E-53	Mcy	ARHGAP4
CORO1A. 6	3. 53E-57	0. 614913	0. 875	0. 361	5. 27E-53	Mcy	CORO1A
SMCO4. 6	8. 36E-57	0. 506477	0. 469	0. 125	1. 25E-52	Mcy	SMCO4
FAM64A. 6	9. 72E-57	0. 554783	0. 311	0. 063	1. 45E-52	Mcy	FAM64A
NCF4. 6	1. 30E-56	0. 565684	0. 505	0. 137	1. 95E-52	Mcy	NCF4
NRM. 2	2. 12E-56	0. 57812	0. 341	0. 078	3. 17E-52	Mcy	NRM
LAT2. 6	2. 21E-56	0. 563986	0. 63	0. 193	3. 31E-52	Mcy	LAT2
GGH. 4	3. 92E-56	0. 702623	0. 645	0. 254	5. 86E-52	Mcy	GGH
RP11-84C1	4. 15E-56	0. 360492	0. 147	0. 015	6. 20E-52	Mcy	RP11-84C10. 2
CAPG. 6	5. 36E-56	0. 638294	0. 908	0. 403	8. 01E-52	Mcy	CAPG
TTK	5. 45E-56	0. 398117	0. 179	0. 023	8. 14E-52	Mcy	TTK
CHEK2. 2	5. 67E-56	0. 5307	0. 249	0. 043	8. 47E-52	Mcy	CHEK2
ANPEP. 5	1. 02E-55	0. 433388	0. 198	0. 028	1. 52E-51	Mcy	ANPEP
DTYMK. 5	1. 67E-55	0. 707569	0. 711	0. 32	2. 50E-51	Mcy	DTYMK
TMEM109. 5	2. 30E-55	0. 604416	0. 579	0. 196	3. 43E-51	Mcy	TMEM109
AIF1. 6	2. 42E-55	0. 587463	0. 96	0. 398	3. 61E-51	Mcy	AIF1
EAF2. 6	4. 96E-55	0. 509791	0. 37	0. 086	7. 41E-51	Mcy	EAF2
HK3. 4	8. 57E-55	0. 363029	0. 172	0. 021	1. 28E-50	Mcy	HK3
TMSB4X. 6	1. 54E-54	-0. 42259	1	0. 997	2. 30E-50	Mcy	TMSB4X
IL1RN. 6	1. 97E-54	0. 505055	0. 33	0. 069	2. 95E-50	Mcy	IL1RN
ADAP2. 6	4. 12E-54	0. 538907	0. 59	0. 174	6. 16E-50	Mcy	ADAP2
NAGA. 6	6. 79E-54	0. 602703	0. 549	0. 176	1. 01E-49	Mcy	NAGA
TUBA1C. 4	7. 98E-54	0. 69063	0. 773	0. 37	1. 19E-49	Mcy	TUBA1C

TES. 6	1. 03E-53	0. 340897	0. 245	0. 041	1. 53E-49	Mcy	TES
SPC24. 6	1. 51E-53	0. 663522	0. 245	0. 044	2. 26E-49	Mcy	SPC24
PNP. 4	1. 94E-53	0. 568517	0. 388	0. 096	2. 90E-49	Mcy	PNP
PYCARD. 6	3. 79E-53	0. 564026	0. 758	0. 273	5. 67E-49	Mcy	PYCARD
AC147651. 6	6. 82E-53	0. 426601	0. 209	0. 032	1. 02E-48	Mcy	AC147651. 4
FCER1G. 6	7. 36E-53	0. 600064	0. 978	0. 429	1. 10E-48	Mcy	FCER1G
HCLS1. 6	9. 65E-53	0. 551195	0. 806	0. 278	1. 44E-48	Mcy	HCLS1
CSTA. 6	1. 26E-52	0. 538331	0. 458	0. 121	1. 89E-48	Mcy	CSTA
SERPINB1. 1	1. 94E-52	0. 580518	0. 733	0. 256	2. 91E-48	Mcy	SERPINB1
FBP1. 6	2. 27E-52	0. 515153	0. 429	0. 11	3. 40E-48	Mcy	FBP1
WAS. 6	2. 95E-52	0. 480881	0. 56	0. 165	4. 41E-48	Mcy	WAS
FAM159A. 5	4. 14E-52	0. 375112	0. 238	0. 04	6. 19E-48	Mcy	FAM159A
SLC25A19. 4	6. 3E-52	0. 578524	0. 513	0. 16	6. 91E-48	Mcy	SLC25A19
VSIG4. 6	8. 79E-52	0. 507622	0. 905	0. 352	1. 31E-47	Mcy	VSIG4
IMPA2. 3	1. 60E-51	0. 419964	0. 275	0. 055	2. 39E-47	Mcy	IMPA2
HELLS. 2	1. 82E-51	0. 535221	0. 282	0. 058	2. 73E-47	Mcy	HELLS
GPM6B. 6	2. 02E-51	-1. 3823	0. 198	0. 629	3. 02E-47	Mcy	GPM6B
GCHFR. 5	2. 52E-51	0. 557355	0. 319	0. 071	3. 77E-47	Mcy	GCHFR
AC109826. 3	2. 9E-51	0. 463335	0. 209	0. 033	4. 92E-47	Mcy	AC109826. 1
ATAD2. 4	3. 40E-51	0. 451416	0. 311	0. 07	5. 08E-47	Mcy	ATAD2
UCP2. 6	3. 41E-51	0. 538167	0. 722	0. 261	5. 09E-47	Mcy	UCP2
ACTG1. 6	4. 96E-51	-0. 46886	0. 949	0. 948	7. 42E-47	Mcy	ACTG1
RPA3. 3	6. 87E-51	0. 657309	0. 718	0. 334	1. 03E-46	Mcy	RPA3
LGALS9. 6	7. 77E-51	0. 501829	0. 681	0. 23	1. 16E-46	Mcy	LGALS9
ACTB. 6	1. 04E-50	-0. 3763	1	0. 992	1. 56E-46	Mcy	ACTB
CD300A. 6	1. 12E-50	0. 547769	0. 593	0. 182	1. 68E-46	Mcy	CD300A
GNGT2. 6	1. 33E-50	0. 439831	0. 256	0. 047	1. 98E-46	Mcy	GNGT2
CCDC134. 1	1. 55E-50	0. 2998	0. 132	0. 014	2. 31E-46	Mcy	CCDC134
CDT1. 3	2. 96E-50	0. 501071	0. 271	0. 055	4. 42E-46	Mcy	CDT1
RPS6KA1. 6	3. 09E-50	0. 48126	0. 451	0. 123	4. 62E-46	Mcy	RPS6KA1
LAPTM5. 6	3. 24E-50	0. 587767	0. 971	0. 423	4. 84E-46	Mcy	LAPTM5
TREM2. 6	3. 44E-50	0. 509645	0. 897	0. 338	5. 13E-46	Mcy	TREM2
MS4A6A. 6	4. 22E-50	0. 509346	0. 872	0. 328	6. 31E-46	Mcy	MS4A6A
SMC1B	7. 52E-50	0. 167267	0. 04	0. 001	1. 12E-45	Mcy	SMC1B
ADAM8. 5	7. 66E-50	0. 433311	0. 227	0. 039	1. 14E-45	Mcy	ADAM8
KIF4A. 1	9. 10E-50	0. 421698	0. 194	0. 03	1. 36E-45	Mcy	KIF4A
ITGB2. 6	9. 16E-50	0. 605103	0. 842	0. 312	1. 37E-45	Mcy	ITGB2
PLEK. 6	1. 24E-49	0. 434037	0. 557	0. 166	1. 85E-45	Mcy	PLEK
TUBA1A. 5	1. 41E-49	-0. 8601	0. 725	0. 81	2. 10E-45	Mcy	TUBA1A
VAV1. 6	1. 56E-49	0. 400274	0. 315	0. 068	2. 33E-45	Mcy	VAV1
TYROBP. 6	2. 51E-49	0. 558715	0. 989	0. 447	3. 76E-45	Mcy	TYROBP
SAMSN1. 6	2. 90E-49	0. 500224	0. 722	0. 241	4. 34E-45	Mcy	SAMSN1
ALOX5. 6	3. 29E-49	0. 508858	0. 473	0. 131	4. 91E-45	Mcy	ALOX5
ZWILCH. 3	3. 59E-49	0. 514627	0. 304	0. 07	5. 37E-45	Mcy	ZWILCH
MICB	5. 91E-49	0. 321728	0. 147	0. 018	8. 83E-45	Mcy	MICB
KNSTRN. 4	7. 78E-49	0. 515672	0. 315	0. 074	1. 16E-44	Mcy	KNSTRN
MCM10	8. 23E-49	0. 333762	0. 154	0. 02	1. 23E-44	Mcy	MCM10
HENMT1. 5	8. 83E-49	0. 403739	0. 19	0. 029	1. 32E-44	Mcy	HENMT1
SIGLEC10. 9	3. 0E-49	0. 472254	0. 524	0. 153	1. 39E-44	Mcy	SIGLEC10
HCK. 6	1. 04E-48	0. 52277	0. 531	0. 159	1. 55E-44	Mcy	HCK
PTPN6. 6	1. 55E-48	0. 498963	0. 524	0. 153	2. 31E-44	Mcy	PTPN6

FCGR2B. 6	2. 34E-48	0. 474247	0. 48	0. 136	3. 50E-44	Mcy	FCGR2B
IRAK3. 6	2. 91E-48	0. 439492	0. 311	0. 068	4. 35E-44	Mcy	IRAK3
KPNA2. 3	5. 59E-48	0. 678985	0. 729	0. 346	8. 35E-44	Mcy	KPNA2
KIF20A	6. 46E-48	0. 374135	0. 168	0. 024	9. 66E-44	Mcy	KIF20A
FTH1. 5	8. 35E-48	-0. 32354	0. 967	0. 932	1. 25E-43	Mcy	FTH1
PLAC8. 5	8. 73E-48	0. 560776	0. 293	0. 063	1. 30E-43	Mcy	PLAC8
VRK1. 1	9. 02E-48	0. 520264	0. 359	0. 095	1. 35E-43	Mcy	VRK1
STAC3. 6	1. 22E-47	0. 469138	0. 319	0. 073	1. 82E-43	Mcy	STAC3
RGS10. 6	2. 90E-47	0. 561772	0. 839	0. 33	4. 33E-43	Mcy	RGS10
CD33. 6	3. 02E-47	0. 447273	0. 421	0. 113	4. 52E-43	Mcy	CD33
ARHGAP11A	8. 42E-47	0. 425459	0. 201	0. 034	1. 26E-42	Mcy	ARHGAP11A
H2AFJ. 6	8. 65E-47	0. 666196	0. 623	0. 25	1. 29E-42	Mcy	H2AFJ
CATSPER1.	9. 05E-47	0. 417759	0. 165	0. 023	1. 35E-42	Mcy	CATSPER1
TNFAIP8. 5	1. 81E-46	0. 467185	0. 293	0. 064	2. 70E-42	Mcy	TNFAIP8
FAM105A. 6	2. 65E-46	0. 482658	0. 513	0. 154	3. 96E-42	Mcy	FAM105A
PRIM1. 4	2. 80E-46	0. 505418	0. 311	0. 076	4. 18E-42	Mcy	PRIM1
COQ2. 5	3. 00E-46	0. 532048	0. 498	0. 172	4. 48E-42	Mcy	COQ2
MAPKAPK3.	3. 21E-46	0. 56004	0. 491	0. 163	4. 80E-42	Mcy	MAPKAPK3
BCL2L12. 2	3. 22E-46	0. 60314	0. 396	0. 121	4. 81E-42	Mcy	BCL2L12
PCNA. 4	4. 88E-46	0. 650916	0. 656	0. 307	7. 30E-42	Mcy	PCNA
LIG1. 1	5. 14E-46	0. 483514	0. 289	0. 066	7. 68E-42	Mcy	LIG1
BUB3. 3	8. 69E-46	0. 634545	0. 659	0. 299	1. 30E-41	Mcy	BUB3
PARVB. 6	8. 71E-46	0. 517097	0. 476	0. 157	1. 30E-41	Mcy	PARVB
APBB1IP. 6	8. 86E-46	0. 453516	0. 505	0. 148	1. 32E-41	Mcy	APBB1IP
CENPP. 1	9. 73E-46	0. 414786	0. 231	0. 044	1. 45E-41	Mcy	CENPP
SLC7A7. 6	1. 02E-45	0. 445685	0. 542	0. 165	1. 53E-41	Mcy	SLC7A7
DSE. 6	1. 34E-45	0. 400106	0. 454	0. 13	2. 00E-41	Mcy	DSE
RNASEH2A.	1. 47E-45	0. 627852	0. 535	0. 203	2. 20E-41	Mcy	RNASEH2A
SLC17A9. 5	1. 56E-45	0. 246416	0. 176	0. 026	2. 33E-41	Mcy	SLC17A9
SGOL2. 4	1. 64E-45	0. 549976	0. 33	0. 084	2. 45E-41	Mcy	SGOL2
FPR1. 6	2. 65E-45	0. 449047	0. 762	0. 273	3. 96E-41	Mcy	FPR1
RNASE3. 4	3. 60E-45	0. 374675	0. 187	0. 029	5. 37E-41	Mcy	RNASE3
GPSM3. 6	3. 87E-45	0. 453612	0. 714	0. 251	5. 78E-41	Mcy	GPSM3
NCAPD2. 3	4. 57E-45	0. 446785	0. 264	0. 058	6. 83E-41	Mcy	NCAPD2
LY86. 6	5. 06E-45	0. 443587	0. 78	0. 28	7. 56E-41	Mcy	LY86
PTN. 6	5. 97E-45	-1. 29276	0. 249	0. 625	8. 92E-41	Mcy	PTN
THBD. 6	6. 99E-45	0. 464158	0. 355	0. 088	1. 04E-40	Mcy	THBD
CKS2. 6	8. 11E-45	0. 64224	0. 755	0. 357	1. 21E-40	Mcy	CKS2
DOCK8. 6	1. 10E-44	0. 415383	0. 418	0. 114	1. 64E-40	Mcy	DOCK8
E2F8	1. 26E-44	0. 255538	0. 103	0. 01	1. 89E-40	Mcy	E2F8
RNASE6. 6	1. 51E-44	0. 499769	0. 733	0. 264	2. 25E-40	Mcy	RNASE6
SPCS3. 6	1. 82E-44	0. 565617	0. 689	0. 317	2. 72E-40	Mcy	SPCS3
CSF1R. 6	2. 04E-44	0. 460551	0. 729	0. 257	3. 05E-40	Mcy	CSF1R
PLAU. 6	2. 43E-44	0. 578216	0. 469	0. 156	3. 64E-40	Mcy	PLAU
RECQL4	2. 65E-44	0. 386851	0. 176	0. 028	3. 97E-40	Mcy	RECQL4
POLD1. 1	2. 69E-44	0. 383213	0. 249	0. 052	4. 02E-40	Mcy	POLD1
VRK2. 6	3. 05E-44	0. 310264	0. 249	0. 05	4. 56E-40	Mcy	VRK2
NOVA1. 6	4. 84E-44	-1. 40948	0. 051	0. 489	7. 23E-40	Mcy	NOVA1
CD14. 6	5. 75E-44	0. 487958	0. 901	0. 397	8. 60E-40	Mcy	CD14
ABI3. 6	6. 17E-44	0. 465497	0. 568	0. 181	9. 23E-40	Mcy	ABI3
PRR11. 2	6. 64E-44	0. 513449	0. 264	0. 059	9. 92E-40	Mcy	PRR11

CLN6. 4	1. 26E-43	0. 52468	0. 403	0. 123	1. 89E-39	Mcy	CLN6
RNASE1. 4	1. 28E-43	0. 682305	0. 491	0. 161	1. 91E-39	Mcy	RNASE1
SYCE2	1. 66E-43	0. 226746	0. 103	0. 01	2. 48E-39	Mcy	SYCE2
CXorf21. 6	2. 17E-43	0. 42722	0. 304	0. 071	3. 25E-39	Mcy	CXorf21
SLC39A8. 5	2. 92E-43	0. 405266	0. 253	0. 054	4. 36E-39	Mcy	SLC39A8
RMI2. 1	3. 10E-43	0. 400916	0. 198	0. 035	4. 63E-39	Mcy	RMI2
PARPBP. 1	3. 66E-43	0. 396902	0. 216	0. 042	5. 47E-39	Mcy	PARPBP
HMHA1. 6	6. 24E-43	0. 390444	0. 385	0. 102	9. 32E-39	Mcy	HMHA1
NCAPG2. 2	7. 76E-43	0. 506755	0. 26	0. 058	1. 16E-38	Mcy	NCAPG2
LINC00152	8. 50E-43	0. 645169	0. 601	0. 25	1. 27E-38	Mcy	LINC00152
CLEC7A. 6	1. 01E-42	0. 365803	0. 538	0. 166	1. 51E-38	Mcy	CLEC7A
GSDMD. 5	1. 19E-42	0. 490741	0. 498	0. 177	1. 78E-38	Mcy	GSDMD
SLA. 6	1. 31E-42	0. 450128	0. 582	0. 193	1. 95E-38	Mcy	SLA
BRCA2. 1	1. 54E-42	0. 386086	0. 216	0. 042	2. 30E-38	Mcy	BRCA2
MASTL. 2	1. 55E-42	0. 372336	0. 19	0. 034	2. 31E-38	Mcy	MASTL
ITGAM. 6	1. 61E-42	0. 423127	0. 3	0. 07	2. 41E-38	Mcy	ITGAM
C1QC. 6	1. 90E-42	0. 514822	0. 967	0. 49	2. 84E-38	Mcy	C1QC
GINS2. 4	2. 88E-42	0. 571013	0. 337	0. 094	4. 30E-38	Mcy	GINS2
FCGR1A. 6	3. 70E-42	0. 447575	0. 696	0. 248	5. 53E-38	Mcy	FCGR1A
FES. 6	4. 26E-42	0. 381764	0. 308	0. 074	6. 36E-38	Mcy	FES
CTSH. 6	4. 62E-42	0. 464146	0. 744	0. 285	6. 91E-38	Mcy	CTSH
SLC43A3. 1	5. 54E-42	0. 505646	0. 418	0. 13	8. 28E-38	Mcy	SLC43A3
ARHGAP30. 5	9. 0E-42	0. 356162	0. 348	0. 088	8. 82E-38	Mcy	ARHGAP30
CD53. 6	5. 95E-42	0. 458519	0. 795	0. 304	8. 90E-38	Mcy	CD53
ADORA3. 6	8. 20E-42	0. 480367	0. 689	0. 251	1. 23E-37	Mcy	ADORA3
DUSP23. 5	8. 35E-42	0. 430008	0. 542	0. 179	1. 25E-37	Mcy	DUSP23
LST1. 6	8. 72E-42	0. 464722	0. 788	0. 301	1. 30E-37	Mcy	LST1
KIF14	9. 73E-42	0. 343491	0. 165	0. 026	1. 45E-37	Mcy	KIF14
DMC1	1. 16E-41	0. 160301	0. 062	0. 004	1. 73E-37	Mcy	DMC1
CTSC. 6	1. 38E-41	0. 462585	0. 842	0. 373	2. 06E-37	Mcy	CTSC
RHOH. 6	1. 72E-41	0. 324048	0. 304	0. 072	2. 58E-37	Mcy	RHOH
SP100. 5	2. 48E-41	0. 535245	0. 678	0. 277	3. 71E-37	Mcy	SP100
TMEM173. 6	2. 76E-41	0. 412499	0. 418	0. 119	4. 13E-37	Mcy	TMEM173
ARHGAP9. 6	3. 01E-41	0. 395841	0. 322	0. 08	4. 49E-37	Mcy	ARHGAP9
MAP3K8. 6	3. 10E-41	0. 4819	0. 531	0. 175	4. 64E-37	Mcy	MAP3K8
DHFR. 4	4. 40E-41	0. 630293	0. 418	0. 145	6. 57E-37	Mcy	DHFR
C1QA. 6	4. 40E-41	0. 502654	0. 978	0. 527	6. 58E-37	Mcy	C1QA
BATF. 3	4. 93E-41	0. 393513	0. 194	0. 035	7. 36E-37	Mcy	BATF
IL7R. 5	6. 70E-41	0. 399033	0. 238	0. 049	1. 00E-36	Mcy	IL7R
HAVCR2. 6	9. 72E-41	0. 450094	0. 637	0. 222	1. 45E-36	Mcy	HAVCR2
H3F3B. 6	1. 18E-40	-0. 35758	0. 971	0. 971	1. 77E-36	Mcy	H3F3B
SNX20. 5	1. 57E-40	0. 337576	0. 212	0. 041	2. 34E-36	Mcy	SNX20
KIAA1524. 2	5. 2E-40	0. 43479	0. 22	0. 045	3. 76E-36	Mcy	KIAA1524
CKB. 6	3. 15E-40	-1. 13468	0. 264	0. 59	4. 70E-36	Mcy	CKB
SNCA. 6	3. 33E-40	0. 411205	0. 447	0. 137	4. 98E-36	Mcy	SNCA
SPI1. 6	3. 67E-40	0. 530466	0. 648	0. 229	5. 48E-36	Mcy	SPI1
POLA2. 1	4. 81E-40	0. 360184	0. 227	0. 048	7. 19E-36	Mcy	POLA2
CCL20. 5	4. 86E-40	0. 391522	0. 256	0. 056	7. 26E-36	Mcy	CCL20
MAP1B. 5	6. 29E-40	-1. 23543	0. 158	0. 543	9. 40E-36	Mcy	MAP1B
C1QB. 6	1. 01E-39	0. 509992	0. 978	0. 56	1. 51E-35	Mcy	C1QB
OSM. 6	1. 07E-39	0. 435593	0. 451	0. 138	1. 60E-35	Mcy	OSM

CASP1. 5	1. 76E-39	0. 472759	0. 575	0. 218	2. 63E-35 Mcy	CASP1
DDX39A. 3	2. 46E-39	0. 503448	0. 74	0. 384	3. 67E-35 Mcy	DDX39A
NANS. 6	2. 69E-39	0. 476291	0. 733	0. 351	4. 02E-35 Mcy	NANS
PPIF. 6	3. 07E-39	0. 581358	0. 538	0. 213	4. 59E-35 Mcy	PPIF
CARD9. 6	4. 32E-39	0. 315365	0. 275	0. 064	6. 46E-35 Mcy	CARD9
HCST. 6	6. 01E-39	0. 425959	0. 718	0. 274	8. 97E-35 Mcy	HCST
PTPN7. 6	7. 12E-39	0. 368827	0. 297	0. 073	1. 06E-34 Mcy	PTPN7
KYNU. 6	8. 60E-39	0. 414951	0. 311	0. 079	1. 29E-34 Mcy	KYNU
E2F2	1. 09E-38	0. 230598	0. 092	0. 009	1. 62E-34 Mcy	E2F2
MLKL. 3	1. 13E-38	0. 31549	0. 158	0. 025	1. 69E-34 Mcy	MLKL
GLA. 6	1. 55E-38	0. 51839	0. 538	0. 208	2. 32E-34 Mcy	GLA
FYB. 6	1. 76E-38	0. 446345	0. 608	0. 214	2. 63E-34 Mcy	FYB
GAPDH. 6	2. 32E-38	-0. 37513	0. 993	0. 985	3. 46E-34 Mcy	GAPDH
CHCHD7. 5	2. 93E-38	0. 499071	0. 637	0. 277	4. 38E-34 Mcy	CHCHD7
FCGR2A. 6	3. 04E-38	0. 407029	0. 744	0. 278	4. 54E-34 Mcy	FCGR2A
PGM2. 3	3. 35E-38	0. 450511	0. 425	0. 142	5. 01E-34 Mcy	PGM2
SRGN. 6	3. 42E-38	0. 474028	0. 978	0. 487	5. 11E-34 Mcy	SRGN
TUBB2B. 5	3. 77E-38	-1. 29455	0. 245	0. 562	5. 63E-34 Mcy	TUBB2B
LPXN. 6	4. 22E-38	0. 413616	0. 366	0. 104	6. 31E-34 Mcy	LPXN
PPIH. 1	4. 27E-38	0. 575316	0. 535	0. 22	6. 38E-34 Mcy	PPIH
TUBB4B. 3	4. 33E-38	0. 53908	0. 828	0. 484	6. 47E-34 Mcy	TUBB4B
NPM3. 3	6. 18E-38	0. 560457	0. 516	0. 21	9. 23E-34 Mcy	NPM3
CKAP2. 6	8. 96E-38	0. 537201	0. 447	0. 162	1. 34E-33 Mcy	CKAP2
EBP. 2	9. 16E-38	0. 608186	0. 557	0. 244	1. 37E-33 Mcy	EBP
HPGDS. 5	1. 06E-37	0. 440407	0. 319	0. 084	1. 58E-33 Mcy	HPGDS
ALDH16A1. 2	8. 4E-37	0. 4761	0. 363	0. 114	4. 24E-33 Mcy	ALDH16A1
GPR84. 6	2. 90E-37	0. 346732	0. 282	0. 069	4. 33E-33 Mcy	GPR84
F13A1. 3	4. 83E-37	0. 268179	0. 473	0. 151	7. 22E-33 Mcy	F13A1
PAK1. 6	5. 68E-37	0. 480134	0. 462	0. 163	8. 48E-33 Mcy	PAK1
IFI30. 6	5. 75E-37	0. 502977	0. 575	0. 211	8. 59E-33 Mcy	IFI30
SAMHD1. 6	7. 46E-37	0. 499649	0. 538	0. 207	1. 12E-32 Mcy	SAMHD1
MCM3. 4	7. 76E-37	0. 561139	0. 396	0. 136	1. 16E-32 Mcy	MCM3
FCGR3A. 6	1. 29E-36	0. 392575	0. 832	0. 33	1. 93E-32 Mcy	FCGR3A
MDK. 5	1. 35E-36	-1. 24247	0. 136	0. 499	2. 02E-32 Mcy	MDK
ITGA4. 5	1. 41E-36	0. 302229	0. 198	0. 039	2. 11E-32 Mcy	ITGA4
MFNG. 6	1. 43E-36	0. 437107	0. 396	0. 12	2. 14E-32 Mcy	MFNG
CNN3. 6	1. 56E-36	-1. 11308	0. 099	0. 477	2. 33E-32 Mcy	CNN3
SLC39A4. 4	1. 89E-36	0. 458867	0. 311	0. 085	2. 82E-32 Mcy	SLC39A4
IDH2. 5	1. 89E-36	0. 525864	0. 729	0. 419	2. 83E-32 Mcy	IDH2
RCC1. 1	2. 05E-36	0. 469748	0. 319	0. 095	3. 06E-32 Mcy	RCC1
CALD1. 5	2. 13E-36	-1. 13292	0. 037	0. 429	3. 19E-32 Mcy	CALD1
PLAUR. 6	2. 28E-36	0. 428142	0. 806	0. 356	3. 41E-32 Mcy	PLAUR
GPR65. 6	2. 47E-36	0. 383217	0. 414	0. 127	3. 70E-32 Mcy	GPR65
REEP4. 6	2. 99E-36	0. 485999	0. 454	0. 16	4. 46E-32 Mcy	REEP4
ORC6. 5	3. 09E-36	0. 466638	0. 308	0. 086	4. 62E-32 Mcy	ORC6
TUBB6. 4	3. 20E-36	0. 522941	0. 458	0. 177	4. 79E-32 Mcy	TUBB6
NUDT1. 2	5. 06E-36	0. 516849	0. 7	0. 342	7. 56E-32 Mcy	NUDT1
TSC22D1. 5	5. 55E-36	-1. 08445	0. 154	0. 52	8. 29E-32 Mcy	TSC22D1
ANP32E. 4	5. 61E-36	0. 612922	0. 564	0. 26	8. 39E-32 Mcy	ANP32E
RGS1. 6	5. 88E-36	0. 433976	0. 923	0. 435	8. 78E-32 Mcy	RGS1
PLBD1. 6	8. 71E-36	0. 382639	0. 322	0. 089	1. 30E-31 Mcy	PLBD1

CHEK1. 2	9. 64E-36	0. 470872	0. 278	0. 075	1. 44E-31	Mcy	CHEK1
SMC1A. 2	1. 05E-35	0. 554262	0. 502	0. 21	1. 57E-31	Mcy	SMC1A
SHMT1. 4	1. 28E-35	0. 490693	0. 359	0. 112	1. 91E-31	Mcy	SHMT1
RP11-160C	1. 41E-35	0. 357988	0. 154	0. 026	2. 11E-31	Mcy	RP11-16005. 1
IFITM2. 6	1. 73E-35	0. 476127	0. 667	0. 274	2. 59E-31	Mcy	IFITM2
PRPS2. 2	1. 90E-35	0. 458649	0. 363	0. 119	2. 84E-31	Mcy	PRPS2
OSTF1. 6	1. 96E-35	0. 487497	0. 656	0. 283	2. 93E-31	Mcy	OSTF1
SLC29A1. 5	2. 18E-35	0. 464487	0. 403	0. 131	3. 26E-31	Mcy	SLC29A1
MCM6. 1	2. 30E-35	0. 542398	0. 3	0. 087	3. 43E-31	Mcy	MCM6
MARCKSL1. 2	5. 4E-35	-1. 1982	0. 242	0. 552	3. 80E-31	Mcy	MARCKSL1
MGST2. 6	2. 67E-35	0. 453948	0. 604	0. 245	3. 99E-31	Mcy	MGST2
LYN. 6	3. 19E-35	0. 477362	0. 48	0. 167	4. 76E-31	Mcy	LYN
CLECL1. 5	3. 61E-35	0. 325985	0. 209	0. 044	5. 40E-31	Mcy	CLECL1
NGK7. 4	4. 02E-35	0. 241516	0. 216	0. 046	6. 01E-31	Mcy	NGK7
HMGB3. 5	4. 04E-35	0. 595932	0. 597	0. 271	6. 03E-31	Mcy	HMGB3
C14orf80. 4	4. 14E-35	0. 38603	0. 245	0. 061	6. 19E-31	Mcy	C14orf80
CPNE8. 1	4. 91E-35	0. 193198	0. 128	0. 018	7. 34E-31	Mcy	CPNE8
Clorf61. 6	5. 21E-35	-1. 17239	0. 205	0. 543	7. 79E-31	Mcy	Clorf61
AP1B1. 6	5. 71E-35	0. 523278	0. 586	0. 251	8. 53E-31	Mcy	AP1B1
ARPC1B. 6	8. 78E-35	0. 472396	0. 905	0. 522	1. 31E-30	Mcy	ARPC1B
GCA. 6	9. 61E-35	0. 458153	0. 656	0. 29	1. 44E-30	Mcy	GCA
RIN3. 6	1. 03E-34	0. 369862	0. 366	0. 109	1. 53E-30	Mcy	RIN3
LINC01094	1. 11E-34	0. 394771	0. 443	0. 147	1. 65E-30	Mcy	LINC01094
HMOX1. 6	1. 11E-34	0. 430278	0. 678	0. 285	1. 66E-30	Mcy	HMOX1
H2AFX. 5	1. 57E-34	0. 543049	0. 509	0. 212	2. 34E-30	Mcy	H2AFX
SOX2. 6	1. 62E-34	-1. 16467	0. 073	0. 438	2. 42E-30	Mcy	SOX2
CDC6. 1	2. 11E-34	0. 360288	0. 165	0. 031	3. 15E-30	Mcy	CDC6
GPR183. 6	2. 20E-34	0. 412284	0. 707	0. 28	3. 29E-30	Mcy	GPR183
MPP1. 6	2. 93E-34	0. 466243	0. 509	0. 193	4. 38E-30	Mcy	MPP1
RBP4. 1	3. 08E-34	0. 228486	0. 103	0. 013	4. 60E-30	Mcy	RBP4
CCNF. 1	3. 37E-34	0. 458207	0. 172	0. 033	5. 04E-30	Mcy	CCNF
SAE1. 3	4. 03E-34	0. 598096	0. 568	0. 266	6. 02E-30	Mcy	SAE1
NUP37. 2	4. 56E-34	0. 490652	0. 366	0. 125	6. 82E-30	Mcy	NUP37
MYCBP. 3	4. 85E-34	0. 507114	0. 3	0. 088	7. 24E-30	Mcy	MYCBP
GAL3ST4. 5	5. 29E-34	0. 432231	0. 462	0. 164	7. 91E-30	Mcy	GAL3ST4
CYTIP. 6	5. 50E-34	0. 35796	0. 341	0. 098	8. 22E-30	Mcy	CYTIP
HAAO. 5	5. 93E-34	0. 2986	0. 132	0. 02	8. 86E-30	Mcy	HAAO
FCGR1B. 5	6. 68E-34	0. 363229	0. 465	0. 156	9. 99E-30	Mcy	FCGR1B
ANP32B. 6	7. 51E-34	0. 504697	0. 747	0. 442	1. 12E-29	Mcy	ANP32B
FXYD6. 6	8. 95E-34	-1. 1049	0. 106	0. 469	1. 34E-29	Mcy	FXYD6
TPK1. 5	9. 24E-34	0. 305937	0. 198	0. 042	1. 38E-29	Mcy	TPK1
SLC11A1. 6	9. 97E-34	0. 379081	0. 722	0. 295	1. 49E-29	Mcy	SLC11A1
EMB. 6	1. 62E-33	0. 325238	0. 275	0. 07	2. 42E-29	Mcy	EMB
CASP4. 6	1. 95E-33	0. 459276	0. 546	0. 22	2. 91E-29	Mcy	CASP4
EIF1. 6	2. 55E-33	-0. 31798	0. 978	0. 974	3. 82E-29	Mcy	EIF1
CCR2. 1	2. 74E-33	0. 130942	0. 055	0. 004	4. 09E-29	Mcy	CCR2
AP2S1. 5	2. 90E-33	0. 44418	0. 927	0. 654	4. 34E-29	Mcy	AP2S1
ARHGAP11E	3. 29E-33	0. 349139	0. 176	0. 035	4. 91E-29	Mcy	ARHGAP11B
TREM1. 5	3. 71E-33	0. 283706	0. 465	0. 157	5. 54E-29	Mcy	TREM1
SP140. 5	4. 42E-33	0. 200865	0. 158	0. 028	6. 60E-29	Mcy	SP140
BCL2A1. 6	4. 71E-33	0. 357252	0. 451	0. 15	7. 04E-29	Mcy	BCL2A1

PSME2. 4	4. 72E-33	0. 432857	0. 879	0. 55	7. 05E-29	Mcy	PSME2
VPS29. 4	5. 04E-33	0. 464085	0. 842	0. 547	7. 53E-29	Mcy	VPS29
PEBP1. 6	5. 07E-33	-0. 53959	0. 714	0. 806	7. 57E-29	Mcy	PEBP1
SASH3. 6	5. 86E-33	0. 378979	0. 278	0. 073	8. 75E-29	Mcy	SASH3
GMNN. 5	7. 75E-33	0. 453942	0. 44	0. 17	1. 16E-28	Mcy	GMNN
TPM3. 6	8. 83E-33	0. 432284	0. 857	0. 551	1. 32E-28	Mcy	TPM3
PMAIP1. 6	8. 98E-33	0. 325159	0. 293	0. 078	1. 34E-28	Mcy	PMAIP1
RAB27A. 4	9. 06E-33	0. 369688	0. 271	0. 073	1. 35E-28	Mcy	RAB27A
CCR1. 5	1. 04E-32	0. 383018	0. 286	0. 077	1. 56E-28	Mcy	CCR1
NUDT5. 3	1. 05E-32	0. 502901	0. 604	0. 299	1. 57E-28	Mcy	NUDT5
THBS1. 5	1. 20E-32	0. 437659	0. 282	0. 076	1. 79E-28	Mcy	THBS1
H2AFZ. 2	1. 24E-32	0. 420939	0. 985	0. 733	1. 85E-28	Mcy	H2AFZ
ACAA2. 4	1. 39E-32	0. 446155	0. 505	0. 203	2. 08E-28	Mcy	ACAA2
SCIN. 6	1. 56E-32	0. 435388	0. 429	0. 144	2. 33E-28	Mcy	SCIN
FGL2. 6	1. 58E-32	0. 34013	0. 487	0. 169	2. 36E-28	Mcy	FGL2
RBP1. 4	1. 69E-32	-1. 11329	0. 114	0. 468	2. 53E-28	Mcy	RBP1
NMI. 5	1. 93E-32	0. 460605	0. 454	0. 176	2. 88E-28	Mcy	NMI
SPTLC2. 6	1. 96E-32	0. 433573	0. 52	0. 203	2. 92E-28	Mcy	SPTLC2
CPE. 5	2. 29E-32	-1. 09715	0. 044	0. 398	3. 43E-28	Mcy	CPE
PRKCD. 5	2. 35E-32	0. 440889	0. 278	0. 076	3. 51E-28	Mcy	PRKCD
RRP7A. 5	2. 35E-32	0. 525091	0. 575	0. 28	3. 52E-28	Mcy	RRP7A
RFC5. 2	2. 46E-32	0. 440417	0. 289	0. 085	3. 68E-28	Mcy	RFC5
CLEC2B. 6	2. 64E-32	0. 431642	0. 531	0. 197	3. 95E-28	Mcy	CLEC2B
SDF2L1. 3	2. 79E-32	0. 491483	0. 663	0. 353	4. 17E-28	Mcy	SDF2L1
CD48. 6	2. 92E-32	0. 375041	0. 278	0. 073	4. 36E-28	Mcy	CD48
TSPAN15. 5	2. 93E-32	0. 314412	0. 275	0. 073	4. 37E-28	Mcy	TSPAN15
ACSL5. 5	3. 60E-32	0. 229458	0. 165	0. 031	5. 38E-28	Mcy	ACSL5
CARD16. 4	4. 10E-32	0. 391779	0. 564	0. 221	6. 13E-28	Mcy	CARD16
ITGB3BP. 4	4. 87E-32	0. 457169	0. 377	0. 137	7. 27E-28	Mcy	ITGB3BP
DEF6. 6	5. 05E-32	0. 304018	0. 308	0. 086	7. 55E-28	Mcy	DEF6
FEZ1. 5	7. 62E-32	-1. 0118	0. 084	0. 438	1. 14E-27	Mcy	FEZ1
TFDP1. 3	9. 29E-32	0. 468443	0. 447	0. 185	1. 39E-27	Mcy	TFDP1
FMNL1. 6	1. 04E-31	0. 338036	0. 374	0. 118	1. 55E-27	Mcy	FMNL1
NCAPD3	1. 22E-31	0. 443347	0. 271	0. 078	1. 82E-27	Mcy	NCAPD3
CKLF. 6	1. 51E-31	0. 437522	0. 835	0. 512	2. 25E-27	Mcy	CKLF
SLC2A5. 6	1. 79E-31	0. 408809	0. 462	0. 164	2. 67E-27	Mcy	SLC2A5
TBXAS1. 6	1. 89E-31	0. 338373	0. 612	0. 232	2. 83E-27	Mcy	TBXAS1
UCHL1. 4	2. 01E-31	-1. 14198	0. 099	0. 444	3. 00E-27	Mcy	UCHL1
GIMAP7. 3	2. 10E-31	0. 375126	0. 216	0. 05	3. 14E-27	Mcy	GIMAP7
PTPRC. 6	2. 12E-31	0. 330355	0. 546	0. 195	3. 17E-27	Mcy	PTPRC
MXD3. 5	2. 47E-31	0. 424156	0. 231	0. 059	3. 70E-27	Mcy	MXD3
NDC1	2. 63E-31	0. 474195	0. 223	0. 056	3. 92E-27	Mcy	NDC1
PSMB10. 6	2. 95E-31	0. 421357	0. 579	0. 247	4. 41E-27	Mcy	PSMB10
BTK. 6	3. 06E-31	0. 297648	0. 293	0. 081	4. 58E-27	Mcy	BTK
PTGS1. 6	3. 55E-31	0. 369865	0. 425	0. 15	5. 31E-27	Mcy	PTGS1
SIVA1. 3	3. 80E-31	0. 426914	0. 784	0. 478	5. 68E-27	Mcy	SIVA1
ETS2. 6	4. 09E-31	0. 391598	0. 527	0. 199	6. 11E-27	Mcy	ETS2
DOK2. 5	4. 18E-31	0. 27126	0. 22	0. 051	6. 25E-27	Mcy	DOK2
LSP1. 6	5. 66E-31	0. 364204	0. 454	0. 159	8. 46E-27	Mcy	LSP1
TIMM10. 3	5. 72E-31	0. 483345	0. 648	0. 347	8. 55E-27	Mcy	TIMM10
IL18. 6	6. 41E-31	0. 30857	0. 516	0. 185	9. 58E-27	Mcy	IL18



NCF2. 6	7. 16E-31	0. 290215	0. 33	0. 096	1. 07E-26	Mcy	NCF2
CYBA. 6	8. 39E-31	0. 483933	0. 832	0. 395	1. 25E-26	Mcy	CYBA
GGA2. 6	1. 01E-30	0. 444344	0. 385	0. 133	1. 51E-26	Mcy	GGA2
CEP152	1. 05E-30	0. 252877	0. 154	0. 029	1. 57E-26	Mcy	CEP152
DEK. 4	1. 27E-30	0. 491834	0. 744	0. 457	1. 90E-26	Mcy	DEK
HAUS1	1. 31E-30	0. 513468	0. 502	0. 224	1. 96E-26	Mcy	HAUS1
RB1. 6	1. 39E-30	0. 487296	0. 619	0. 298	2. 08E-26	Mcy	RB1
GPM6A. 5	1. 56E-30	-0. 9803	0. 172	0. 512	2. 34E-26	Mcy	GPM6A
CTSS. 6	1. 63E-30	0. 359146	0. 806	0. 343	2. 43E-26	Mcy	CTSS
RP11-552E	1. 69E-30	0. 472504	0. 359	0. 114	2. 52E-26	Mcy	RP11-552D4. 1
TMSB10. 6	1. 88E-30	-0. 31472	1	0. 964	2. 81E-26	Mcy	TMSB10
FUCA2. 6	1. 89E-30	0. 432167	0. 531	0. 236	2. 82E-26	Mcy	FUCA2
SH3KBP1. 6	1. 90E-30	0. 458413	0. 538	0. 234	2. 84E-26	Mcy	SH3KBP1
CD84. 6	1. 98E-30	0. 354979	0. 385	0. 123	2. 95E-26	Mcy	CD84
FHOD1. 6	2. 51E-30	0. 337491	0. 216	0. 052	3. 75E-26	Mcy	FHOD1
CIB1. 5	2. 91E-30	0. 405379	0. 821	0. 484	4. 34E-26	Mcy	CIB1
TYMP. 6	4. 47E-30	0. 510386	0. 681	0. 298	6. 68E-26	Mcy	TYMP
RNPEP. 6	4. 60E-30	0. 492964	0. 495	0. 217	6. 88E-26	Mcy	RNPEP
GAP43. 6	6. 04E-30	-1. 237	0. 15	0. 474	9. 03E-26	Mcy	GAP43
ARRB2. 6	7. 22E-30	0. 410455	0. 758	0. 392	1. 08E-25	Mcy	ARRB2
PCK2. 4	7. 77E-30	0. 449232	0. 242	0. 065	1. 16E-25	Mcy	PCK2
PCSK1N. 5	8. 09E-30	-1. 08509	0. 103	0. 428	1. 21E-25	Mcy	PCSK1N
ZNF667-AS	8. 29E-30	-0. 82884	0. 051	0. 396	1. 24E-25	Mcy	ZNF667-AS1
CRYBB1. 4	8. 37E-30	0. 273142	0. 179	0. 038	1. 25E-25	Mcy	CRYBB1
MCM4. 5	9. 55E-30	0. 455583	0. 289	0. 091	1. 43E-25	Mcy	MCM4
FAH. 5	1. 03E-29	0. 407917	0. 407	0. 152	1. 54E-25	Mcy	FAH
RHOG. 6	1. 04E-29	0. 414413	0. 762	0. 401	1. 55E-25	Mcy	RHOG
SH2B3. 6	1. 29E-29	0. 34578	0. 326	0. 103	1. 93E-25	Mcy	SH2B3
H2AFV. 4	1. 82E-29	0. 45807	0. 791	0. 516	2. 72E-25	Mcy	H2AFV
CXCL3. 3	2. 29E-29	0. 34009	0. 253	0. 068	3. 42E-25	Mcy	CXCL3
COMMD4	2. 35E-29	0. 48978	0. 59	0. 298	3. 51E-25	Mcy	COMMD4
CNPY3. 6	2. 83E-29	0. 403388	0. 758	0. 404	4. 23E-25	Mcy	CNPY3
IKBKE. 5	3. 06E-29	0. 370523	0. 212	0. 053	4. 57E-25	Mcy	IKBKE
HPSE. 5	3. 21E-29	0. 332423	0. 22	0. 054	4. 79E-25	Mcy	HPSE
LCP2. 6	3. 34E-29	0. 336643	0. 344	0. 109	4. 99E-25	Mcy	LCP2
RASGEF1B.	3. 41E-29	0. 35977	0. 359	0. 115	5. 09E-25	Mcy	RASGEF1B
RGS19. 6	3. 57E-29	0. 430579	0. 586	0. 268	5. 34E-25	Mcy	RGS19
SNRNP25. 2	3. 58E-29	0. 512869	0. 63	0. 343	5. 36E-25	Mcy	SNRNP25
HLA-DRB5.	3. 63E-29	0. 35603	0. 842	0. 389	5. 43E-25	Mcy	HLA-DRB5
RP11-556E	3. 91E-29	0. 284554	0. 212	0. 051	5. 84E-25	Mcy	RP11-556E13. 1
PLB1. 5	4. 82E-29	0. 225952	0. 179	0. 039	7. 20E-25	Mcy	PLB1
DAB2. 5	5. 15E-29	0. 378069	0. 41	0. 144	7. 69E-25	Mcy	DAB2
DCK. 5	5. 81E-29	0. 456537	0. 549	0. 259	8. 68E-25	Mcy	DCK
BRCA1. 1	5. 87E-29	0. 35299	0. 209	0. 053	8. 78E-25	Mcy	BRCA1
POLE4. 4	6. 58E-29	0. 421741	0. 575	0. 278	9. 83E-25	Mcy	POLE4
SNAI1. 5	7. 63E-29	0. 263363	0. 187	0. 041	1. 14E-24	Mcy	SNAI1
HRH2. 4	7. 84E-29	0. 2635	0. 172	0. 036	1. 17E-24	Mcy	HRH2
ORMDL2. 4	8. 45E-29	0. 481647	0. 568	0. 265	1. 26E-24	Mcy	ORMDL2
C1orf228.	8. 86E-29	0. 253348	0. 15	0. 029	1. 32E-24	Mcy	C1orf228
FTL. 6	9. 70E-29	-0. 30454	1	0. 994	1. 45E-24	Mcy	FTL
ANXA11. 6	1. 04E-28	0. 417202	0. 513	0. 209	1. 55E-24	Mcy	ANXA11

MS4A7. 6	1. 19E-28	0. 330144	0. 762	0. 322	1. 78E-24	Mcy	MS4A7
PSTPIP1. 5	1. 28E-28	0. 243767	0. 176	0. 038	1. 91E-24	Mcy	PSTPIP1
PFN2. 5	1. 41E-28	-0. 95339	0. 106	0. 442	2. 10E-24	Mcy	PFN2
LMF2. 3	1. 45E-28	0. 485716	0. 454	0. 195	2. 17E-24	Mcy	LMF2
CIRBP. 5	1. 70E-28	-0. 35563	0. 839	0. 866	2. 55E-24	Mcy	CIRBP
MAP4K1. 4	1. 74E-28	0. 233821	0. 143	0. 027	2. 60E-24	Mcy	MAP4K1
PLXDC2. 6	1. 78E-28	0. 321593	0. 538	0. 201	2. 66E-24	Mcy	PLXDC2
HAMP. 6	1. 86E-28	0. 458357	0. 418	0. 155	2. 78E-24	Mcy	HAMP
UPP1. 5	2. 18E-28	0. 396728	0. 538	0. 248	3. 26E-24	Mcy	UPP1
NFIB. 6	2. 60E-28	-1. 03796	0. 059	0. 386	3. 88E-24	Mcy	NFIB
STOM. 5	3. 28E-28	0. 358794	0. 564	0. 244	4. 90E-24	Mcy	STOM
SKP1. 5	3. 47E-28	-0. 42631	0. 832	0. 865	5. 18E-24	Mcy	SKP1
BUB1B	3. 59E-28	0. 222257	0. 128	0. 023	5. 37E-24	Mcy	BUB1B
GOS2. 5	4. 73E-28	0. 400238	0. 451	0. 178	7. 07E-24	Mcy	GOS2
HERC5. 1	4. 75E-28	0. 351969	0. 242	0. 069	7. 10E-24	Mcy	HERC5
HIRIP3. 4	5. 94E-28	0. 480278	0. 403	0. 159	8. 87E-24	Mcy	HIRIP3
WDR76. 1	6. 07E-28	0. 376152	0. 201	0. 051	9. 07E-24	Mcy	WDR76
TMEM52B. 6	6. 37E-28	0. 267522	0. 19	0. 044	9. 53E-24	Mcy	TMEM52B
RAB8A. 3	7. 74E-28	0. 425843	0. 637	0. 349	1. 16E-23	Mcy	RAB8A
MYO1F. 6	7. 78E-28	0. 304171	0. 476	0. 177	1. 16E-23	Mcy	MYO1F
LILRB4. 6	8. 90E-28	0. 30866	0. 623	0. 246	1. 33E-23	Mcy	LILRB4
STRA13. 1	1. 00E-27	0. 46513	0. 733	0. 444	1. 50E-23	Mcy	STRA13
RP3-369A1	1. 18E-27	0. 197808	0. 081	0. 01	1. 76E-23	Mcy	RP3-369A17. 4
EEF2. 1	1. 42E-27	-0. 34118	0. 832	0. 829	2. 12E-23	Mcy	EEF2
PIK3AP1. 6	1. 59E-27	0. 272042	0. 231	0. 061	2. 37E-23	Mcy	PIK3AP1
RNASEH2C. 1	1. 69E-27	0. 460795	0. 67	0. 366	2. 53E-23	Mcy	RNASEH2C
NGFRAP1. 5	1. 70E-27	-0. 74443	0. 407	0. 65	2. 54E-23	Mcy	NGFRAP1
MCM2. 2	1. 88E-27	0. 39469	0. 223	0. 061	2. 81E-23	Mcy	MCM2
CRYAB. 6	2. 04E-27	-1. 30651	0. 187	0. 507	3. 05E-23	Mcy	CRYAB
PSMB9. 4	2. 05E-27	0. 401637	0. 725	0. 397	3. 06E-23	Mcy	PSMB9
IL10RA. 6	2. 10E-27	0. 317215	0. 392	0. 132	3. 13E-23	Mcy	IL10RA
RILPL2. 6	2. 10E-27	0. 35323	0. 568	0. 251	3. 14E-23	Mcy	RILPL2
ZBTB20. 5	2. 40E-27	-0. 86154	0. 073	0. 393	3. 59E-23	Mcy	ZBTB20
CAMK2N1. 6	2. 54E-27	-0. 90563	0. 011	0. 324	3. 80E-23	Mcy	CAMK2N1
OLFML3. 5	2. 61E-27	0. 40366	0. 527	0. 219	3. 90E-23	Mcy	OLFML3
HPS1. 5	3. 31E-27	0. 324656	0. 326	0. 106	4. 95E-23	Mcy	HPS1
ANKH. 5	3. 41E-27	0. 356685	0. 392	0. 143	5. 09E-23	Mcy	ANKH
DOCK2. 6	3. 62E-27	0. 329885	0. 256	0. 073	5. 41E-23	Mcy	DOCK2
DTL	4. 78E-27	0. 264	0. 125	0. 022	7. 14E-23	Mcy	DTL
FANCG. 1	4. 88E-27	0. 416058	0. 22	0. 06	7. 29E-23	Mcy	FANCG
SUMO3. 6	5. 44E-27	0. 422353	0. 729	0. 432	8. 13E-23	Mcy	SUMO3
NPL. 5	5. 75E-27	0. 362046	0. 484	0. 194	8. 60E-23	Mcy	NPL
CYP19A1. 1	5. 80E-27	0. 337268	0. 125	0. 022	8. 67E-23	Mcy	CYP19A1
CD68. 6	6. 15E-27	0. 348905	0. 872	0. 431	9. 19E-23	Mcy	CD68
SLC1A5. 5	6. 19E-27	0. 389803	0. 366	0. 132	9. 25E-23	Mcy	SLC1A5
VAMP2. 5	6. 49E-27	-0. 71188	0. 41	0. 628	9. 71E-23	Mcy	VAMP2
CMTM7. 6	6. 61E-27	0. 398268	0. 421	0. 158	9. 87E-23	Mcy	CMTM7
TOMM5. 5	7. 38E-27	0. 499819	0. 454	0. 203	1. 10E-22	Mcy	TOMM5
FGR. 6	7. 97E-27	0. 305077	0. 271	0. 079	1. 19E-22	Mcy	FGR
MGAT4A. 6	9. 31E-27	0. 304704	0. 52	0. 213	1. 39E-22	Mcy	MGAT4A
RNF149. 6	9. 49E-27	0. 381739	0. 59	0. 263	1. 42E-22	Mcy	RNF149

CLU. 6	9. 86E-27	-0. 74764	0. 74	0. 783	1. 47E-22	Mcy	CLU
CHTF18	1. 00E-26	0. 292174	0. 183	0. 045	1. 50E-22	Mcy	CHTF18
RRM1. 4	1. 10E-26	0. 467036	0. 421	0. 179	1. 65E-22	Mcy	RRM1
BRI3BP. 3	1. 13E-26	0. 413109	0. 308	0. 108	1. 68E-22	Mcy	BRI3BP
FPR2. 4	1. 33E-26	0. 20909	0. 106	0. 017	1. 99E-22	Mcy	FPR2
HAUS4. 6	1. 35E-26	0. 495643	0. 216	0. 058	2. 02E-22	Mcy	HAUS4
PLSCR1. 6	1. 43E-26	0. 394618	0. 692	0. 351	2. 13E-22	Mcy	PLSCR1
GDI2. 6	1. 52E-26	0. 394337	0. 777	0. 482	2. 27E-22	Mcy	GDI2
SLC1A4. 5	1. 84E-26	0. 397766	0. 238	0. 069	2. 75E-22	Mcy	SLC1A4
PSMB8. 4	2. 12E-26	0. 411388	0. 707	0. 408	3. 17E-22	Mcy	PSMB8
FABP7. 5	2. 53E-26	-1. 22017	0. 088	0. 39	3. 78E-22	Mcy	FABP7
RDM1	2. 69E-26	0. 147595	0. 07	0. 008	4. 02E-22	Mcy	RDM1
ATF7IP2. 5	2. 76E-26	0. 218291	0. 172	0. 039	4. 13E-22	Mcy	ATF7IP2
IL1ORB. 6	3. 29E-26	0. 402918	0. 516	0. 237	4. 92E-22	Mcy	IL1ORB
SAR1A. 5	3. 48E-26	0. 442209	0. 579	0. 291	5. 20E-22	Mcy	SAR1A
SLCO2B1. 5	3. 68E-26	0. 356407	0. 535	0. 213	5. 49E-22	Mcy	SLCO2B1
KCNMB1. 5	3. 95E-26	0. 297395	0. 308	0. 098	5. 90E-22	Mcy	KCNMB1
RAMP1. 5	4. 65E-26	-1. 14945	0. 103	0. 419	6. 95E-22	Mcy	RAMP1
CYTH4. 6	5. 77E-26	0. 263271	0. 33	0. 107	8. 62E-22	Mcy	CYTH4
LXN. 2	5. 87E-26	0. 245717	0. 125	0. 023	8. 77E-22	Mcy	LXN
TMPO. 5	6. 19E-26	0. 460321	0. 44	0. 188	9. 25E-22	Mcy	TMPO
COMMD8. 6	6. 63E-26	0. 453822	0. 476	0. 218	9. 90E-22	Mcy	COMMD8
EFHD2. 6	6. 66E-26	0. 390415	0. 473	0. 204	9. 95E-22	Mcy	EFHD2
DENND3. 6	7. 99E-26	0. 334901	0. 3	0. 096	1. 19E-21	Mcy	DENND3
CCNE2. 3	8. 02E-26	0. 32277	0. 209	0. 055	1. 20E-21	Mcy	CCNE2
PDXK. 6	8. 69E-26	0. 392557	0. 564	0. 278	1. 30E-21	Mcy	PDXK
AREG. 6	9. 27E-26	0. 327722	0. 227	0. 061	1. 39E-21	Mcy	AREG
CLIC1. 4	1. 14E-25	0. 373181	0. 963	0. 615	1. 70E-21	Mcy	CLIC1
ABRACL. 5	1. 24E-25	0. 483752	0. 575	0. 298	1. 86E-21	Mcy	ABRACL
ARHGGEF39	1. 39E-25	0. 189216	0. 106	0. 018	2. 08E-21	Mcy	ARHGGEF39
IL1ORB-AS	1. 49E-25	0. 2999	0. 176	0. 042	2. 22E-21	Mcy	IL1ORB-AS1
MTFP1. 2	1. 56E-25	0. 43873	0. 22	0. 063	2. 34E-21	Mcy	MTFP1
HHEX. 6	1. 65E-25	0. 258047	0. 209	0. 054	2. 47E-21	Mcy	HHEX
LPCAT2. 6	1. 72E-25	0. 303578	0. 399	0. 141	2. 56E-21	Mcy	LPCAT2
MCM7. 5	1. 75E-25	0. 482188	0. 524	0. 248	2. 62E-21	Mcy	MCM7
APLP1. 6	1. 82E-25	-0. 94954	0. 055	0. 359	2. 72E-21	Mcy	APLP1
ELAVL3. 6	1. 88E-25	-0. 83299	0. 018	0. 318	2. 81E-21	Mcy	ELAVL3
PRDM1. 6	1. 90E-25	0. 350238	0. 297	0. 095	2. 84E-21	Mcy	PRDM1
CDC25C	1. 91E-25	0. 222637	0. 114	0. 02	2. 85E-21	Mcy	CDC25C
EPB41L3. 6	2. 06E-25	0. 314788	0. 311	0. 1	3. 08E-21	Mcy	EPB41L3
LINC00461	2. 21E-25	-0. 8472	0. 026	0. 327	3. 31E-21	Mcy	LINC00461
VMA21. 5	2. 27E-25	0. 485068	0. 608	0. 334	3. 39E-21	Mcy	VMA21
HAUS2. 2	2. 32E-25	0. 376411	0. 282	0. 096	3. 46E-21	Mcy	HAUS2
FYN. 5	2. 33E-25	-0. 79435	0. 029	0. 333	3. 48E-21	Mcy	FYN
WNT5A. 6	2. 49E-25	0. 256837	0. 209	0. 055	3. 72E-21	Mcy	WNT5A
ACSL1. 6	2. 61E-25	0. 40327	0. 516	0. 22	3. 90E-21	Mcy	ACSL1
NLRP1. 5	3. 13E-25	-0. 78205	0. 04	0. 346	4. 67E-21	Mcy	NLRP1
ITGA5. 3	3. 31E-25	0. 359487	0. 256	0. 08	4. 95E-21	Mcy	ITGA5
IL13RA1. 6	3. 80E-25	0. 391907	0. 542	0. 242	5. 68E-21	Mcy	IL13RA1
BEX1. 5	4. 03E-25	-1. 02088	0. 059	0. 358	6. 03E-21	Mcy	BEX1
FHL1. 6	4. 17E-25	-0. 81742	0. 062	0. 364	6. 23E-21	Mcy	FHL1

BAALC. 5	4. 35E-25	-0. 87175	0. 051	0. 352	6. 50E-21 Mcy	BAALC
PCED1B. 4	4. 41E-25	0. 16919	0. 154	0. 033	6. 59E-21 Mcy	PCED1B
C16orf45. 4	4. 89E-25	-0. 80469	0. 026	0. 325	7. 31E-21 Mcy	C16orf45
KIF21A. 6	5. 11E-25	-0. 77948	0. 015	0. 309	7. 64E-21 Mcy	KIF21A
EIF4A2. 3	5. 27E-25	-0. 58764	0. 538	0. 724	7. 87E-21 Mcy	EIF4A2
CCDC34. 4	5. 78E-25	0. 517518	0. 385	0. 162	8. 64E-21 Mcy	CCDC34
PROCR. 5	5. 95E-25	0. 203524	0. 231	0. 065	8. 89E-21 Mcy	PROCR
CDCP1. 4	6. 11E-25	0. 243815	0. 147	0. 031	9. 13E-21 Mcy	CDCP1
PTPRZ1. 6	6. 23E-25	-0. 94938	0. 092	0. 391	9. 31E-21 Mcy	PTPRZ1
TPMT. 4	6. 31E-25	0. 394615	0. 432	0. 186	9. 43E-21 Mcy	TPMT
MIS18BP1. 6	6. 52E-25	0. 359747	0. 374	0. 141	9. 74E-21 Mcy	MIS18BP1
C10orf11. 7	7. 05E-25	0. 309952	0. 297	0. 096	1. 05E-20 Mcy	C10orf11
TRPV2. 6	7. 05E-25	0. 253299	0. 209	0. 055	1. 05E-20 Mcy	TRPV2
DNMT1. 5	8. 53E-25	0. 487108	0. 531	0. 28	1. 27E-20 Mcy	DNMT1
CD86. 6	8. 67E-25	0. 300817	0. 52	0. 206	1. 30E-20 Mcy	CD86
PLCG2. 3	8. 73E-25	0. 224564	0. 183	0. 044	1. 30E-20 Mcy	PLCG2
SHMT2. 3	9. 21E-25	0. 374234	0. 484	0. 225	1. 38E-20 Mcy	SHMT2
THEMIS2. 6	9. 37E-25	0. 29436	0. 553	0. 234	1. 40E-20 Mcy	THEMIS2
DOK3. 6	9. 59E-25	0. 258511	0. 223	0. 062	1. 43E-20 Mcy	DOK3
MYH9. 6	1. 08E-24	0. 378432	0. 432	0. 182	1. 61E-20 Mcy	MYH9
PGAM1. 4	1. 30E-24	0. 356508	0. 769	0. 495	1. 94E-20 Mcy	PGAM1
MAP1LC3A. 1	5. 3E-24	-0. 81075	0. 084	0. 372	2. 28E-20 Mcy	MAP1LC3A
NCAM1. 6	1. 54E-24	-0. 80937	0. 044	0. 342	2. 30E-20 Mcy	NCAM1
RGS18. 6	1. 71E-24	0. 216793	0. 194	0. 049	2. 56E-20 Mcy	RGS18
STMN1. 5	1. 72E-24	0. 371692	0. 978	0. 622	2. 57E-20 Mcy	STMN1
EXO1	1. 83E-24	0. 304268	0. 095	0. 015	2. 73E-20 Mcy	EXO1
PMP2. 6	1. 93E-24	-1. 04684	0. 059	0. 357	2. 89E-20 Mcy	PMP2
TWF2. 6	2. 05E-24	0. 389475	0. 623	0. 334	3. 06E-20 Mcy	TWF2
APITD1. 2	2. 16E-24	0. 55586	0. 242	0. 078	3. 22E-20 Mcy	APITD1
ECM1. 2	2. 16E-24	0. 331132	0. 161	0. 039	3. 22E-20 Mcy	ECM1
CEACAM21. 2	2. 27E-24	0. 244439	0. 106	0. 018	3. 39E-20 Mcy	CEACAM21
RP11-362F	2. 38E-24	0. 12975	0. 092	0. 014	3. 56E-20 Mcy	RP11-362F19. 1
TLR2. 6	2. 69E-24	0. 29615	0. 319	0. 106	4. 01E-20 Mcy	TLR2
ANKRD22. 5	3. 33E-24	0. 207878	0. 223	0. 061	4. 98E-20 Mcy	ANKRD22
LRRC25. 6	3. 39E-24	0. 245534	0. 282	0. 088	5. 06E-20 Mcy	LRRC25
MTAP. 3	3. 39E-24	0. 365253	0. 227	0. 067	5. 07E-20 Mcy	MTAP
NUDT21. 1	3. 70E-24	0. 444754	0. 513	0. 254	5. 54E-20 Mcy	NUDT21
E2F1. 3	3. 92E-24	0. 3318	0. 19	0. 051	5. 86E-20 Mcy	E2F1
C1orf54. 6	3. 93E-24	0. 363435	0. 498	0. 219	5. 88E-20 Mcy	C1orf54
PLP2. 5	4. 01E-24	0. 449377	0. 615	0. 337	6. 00E-20 Mcy	PLP2
CPVL. 6	4. 48E-24	0. 252426	0. 703	0. 34	6. 69E-20 Mcy	CPVL
RAD54L	4. 53E-24	0. 198467	0. 099	0. 016	6. 78E-20 Mcy	RAD54L
GK. 6	4. 74E-24	0. 327182	0. 359	0. 133	7. 08E-20 Mcy	GK
IGFBP2. 5	4. 95E-24	-1	0. 092	0. 381	7. 39E-20 Mcy	IGFBP2
RPP30. 2	5. 07E-24	0. 383764	0. 392	0. 163	7. 57E-20 Mcy	RPP30
RNASET2. 6	5. 08E-24	0. 389046	0. 835	0. 474	7. 59E-20 Mcy	RNASET2
MMP14. 4	5. 58E-24	0. 425965	0. 473	0. 216	8. 33E-20 Mcy	MMP14
RANGAP1. 3	5. 90E-24	0. 398509	0. 282	0. 098	8. 82E-20 Mcy	RANGAP1
CTSL. 6	6. 02E-24	0. 404798	0. 824	0. 517	9. 00E-20 Mcy	CTSL
TNS3. 5	8. 19E-24	0. 293446	0. 234	0. 07	1. 22E-19 Mcy	TNS3
COLGALT1. 8	4. 5E-24	0. 388697	0. 425	0. 186	1. 26E-19 Mcy	COLGALT1

NPC2. 5	9. 70E-24	0. 326723	0. 989	0. 684	1. 45E-19 Mcy	NPC2
NCF1. 6	1. 11E-23	0. 299376	0. 341	0. 118	1. 66E-19 Mcy	NCF1
UQCC2. 2	1. 11E-23	0. 411292	0. 7	0. 42	1. 66E-19 Mcy	UQCC2
NFIX. 5	1. 21E-23	-0. 74923	0. 048	0. 339	1. 80E-19 Mcy	NFIX
CNDP2. 6	1. 22E-23	0. 357301	0. 696	0. 425	1. 82E-19 Mcy	CNDP2
FRMD4B. 6	1. 51E-23	0. 333936	0. 396	0. 154	2. 25E-19 Mcy	FRMD4B
ENTPD1. 6	1. 57E-23	0. 356255	0. 407	0. 156	2. 35E-19 Mcy	ENTPD1
ANXA1. 4	1. 81E-23	0. 298463	0. 806	0. 4	2. 71E-19 Mcy	ANXA1
CDH2. 5	1. 88E-23	-0. 71748	0. 011	0. 291	2. 80E-19 Mcy	CDH2
GCNT1. 1	1. 93E-23	0. 19704	0. 117	0. 022	2. 88E-19 Mcy	GCNT1
TRPM2. 6	1. 95E-23	0. 269633	0. 187	0. 048	2. 91E-19 Mcy	TRPM2
C3AR1. 6	2. 08E-23	0. 247408	0. 56	0. 23	3. 11E-19 Mcy	C3AR1
PRKCB. 5	2. 27E-23	0. 211536	0. 165	0. 039	3. 39E-19 Mcy	PRKCB
PTER. 2	2. 33E-23	0. 232554	0. 106	0. 019	3. 48E-19 Mcy	PTER
EVI2B. 6	2. 53E-23	0. 28651	0. 491	0. 196	3. 77E-19 Mcy	EVI2B
COTL1. 6	3. 25E-23	0. 430141	0. 777	0. 503	4. 85E-19 Mcy	COTL1
SKAP2. 5	3. 26E-23	0. 316009	0. 586	0. 262	4. 88E-19 Mcy	SKAP2
SPHK1. 5	3. 87E-23	0. 371894	0. 286	0. 102	5. 79E-19 Mcy	SPHK1
JUN. 3	4. 07E-23	-0. 6067	0. 535	0. 676	6. 07E-19 Mcy	JUN
RTN4. 6	4. 36E-23	-0. 42193	0. 608	0. 702	6. 51E-19 Mcy	RTN4
SZRD1. 2	4. 39E-23	0. 444435	0. 509	0. 259	6. 56E-19 Mcy	SZRD1
HLA-DQB1. 4	4. 90E-23	0. 305158	0. 703	0. 316	7. 32E-19 Mcy	HLA-DQB1
DDB2. 1	4. 91E-23	0. 317588	0. 267	0. 09	7. 33E-19 Mcy	DDB2
FANCB	4. 91E-23	0. 226501	0. 11	0. 02	7. 34E-19 Mcy	FANCB
UCHL3. 3	5. 62E-23	0. 431239	0. 491	0. 242	8. 40E-19 Mcy	UCHL3
MAP2. 6	5. 63E-23	-0. 77159	0. 059	0. 344	8. 41E-19 Mcy	MAP2
TCEAL7. 4	5. 71E-23	-0. 82947	0. 026	0. 309	8. 54E-19 Mcy	TCEAL7
HAUS8. 1	5. 93E-23	0. 323021	0. 245	0. 079	8. 86E-19 Mcy	HAUS8
FAM96A. 4	6. 10E-23	0. 355226	0. 63	0. 35	9. 11E-19 Mcy	FAM96A
SOX4. 5	6. 42E-23	-1. 03675	0. 183	0. 451	9. 60E-19 Mcy	SOX4
METRNL. 6	6. 70E-23	0. 310493	0. 249	0. 079	1. 00E-18 Mcy	METRNL
MSR1. 6	7. 17E-23	0. 304197	0. 443	0. 174	1. 07E-18 Mcy	MSR1
WDR34. 4	7. 19E-23	0. 487226	0. 429	0. 202	1. 07E-18 Mcy	WDR34
GOLM1. 5	7. 91E-23	-0. 72444	0. 04	0. 322	1. 18E-18 Mcy	GOLM1
GAPT. 6	8. 42E-23	0. 265904	0. 205	0. 057	1. 26E-18 Mcy	GAPT
FOLR2. 6	8. 45E-23	0. 256845	0. 432	0. 172	1. 26E-18 Mcy	FOLR2
TNFRSF1B. 8	6. 69E-23	0. 270998	0. 462	0. 182	1. 30E-18 Mcy	TNFRSF1B
MT3. 6	8. 98E-23	-1. 16476	0. 249	0. 496	1. 34E-18 Mcy	MT3
CENPH. 4	9. 15E-23	0. 381762	0. 319	0. 122	1. 37E-18 Mcy	CENPH
RFC4. 4	9. 87E-23	0. 513105	0. 359	0. 152	1. 48E-18 Mcy	RFC4
GABARAPL2	1. 11E-22	-0. 4782	0. 637	0. 745	1. 66E-18 Mcy	GABARAPL2
IL6R. 6	1. 14E-22	0. 334081	0. 256	0. 082	1. 70E-18 Mcy	IL6R
HS3ST3B1. 1	1. 14E-22	0. 178058	0. 161	0. 039	1. 70E-18 Mcy	HS3ST3B1
HK1. 5	1. 16E-22	0. 408927	0. 421	0. 19	1. 73E-18 Mcy	HK1
IRF8. 6	1. 20E-22	0. 295847	0. 407	0. 152	1. 80E-18 Mcy	IRF8
MEG3. 5	1. 23E-22	-1. 02729	0. 033	0. 311	1. 83E-18 Mcy	MEG3
RCCD1. 2	1. 24E-22	0. 301508	0. 19	0. 053	1. 85E-18 Mcy	RCCD1
NUDT15	1. 27E-22	0. 34324	0. 286	0. 103	1. 89E-18 Mcy	NUDT15
C10orf54. 1	1. 46E-22	0. 298829	0. 648	0. 279	2. 18E-18 Mcy	C10orf54
TRAF3IP3. 1	1. 57E-22	0. 233204	0. 187	0. 049	2. 35E-18 Mcy	TRAF3IP3
SEZ6L2. 5	1. 68E-22	-0. 7054	0. 007	0. 28	2. 52E-18 Mcy	SEZ6L2

MTHFD2. 5	1. 72E-22	0. 351428	0. 571	0. 282	2. 57E-18 Mcy	MTHFD2
TXNDC12. 3	1. 85E-22	0. 333025	0. 703	0. 426	2. 77E-18 Mcy	TXNDC12
THOC6. 4	1. 98E-22	0. 339355	0. 388	0. 164	2. 96E-18 Mcy	THOC6
GPR34. 6	2. 00E-22	0. 256135	0. 612	0. 259	3. 00E-18 Mcy	GPR34
TFEC. 6	2. 30E-22	0. 259773	0. 194	0. 053	3. 44E-18 Mcy	TFEC
TAGLN2. 6	2. 30E-22	0. 330031	0. 85	0. 506	3. 44E-18 Mcy	TAGLN2
DSN1. 2	2. 31E-22	0. 359254	0. 271	0. 096	3. 46E-18 Mcy	DSN1
SIGLEC5. 2	2. 50E-22	0. 233679	0. 084	0. 013	3. 74E-18 Mcy	SIGLEC5
KCNQ1. 5	2. 52E-22	0. 185566	0. 154	0. 036	3. 76E-18 Mcy	KCNQ1
PODXL2. 6	3. 02E-22	-0. 74276	0. 04	0. 314	4. 51E-18 Mcy	PODXL2
CDK2. 3	3. 11E-22	0. 359329	0. 242	0. 08	4. 65E-18 Mcy	CDK2
PTPN22. 4	3. 19E-22	0. 202371	0. 121	0. 024	4. 77E-18 Mcy	PTPN22
TPT1. 4	3. 40E-22	-0. 28741	0. 967	0. 953	5. 08E-18 Mcy	TPT1
HLA-F. 6	3. 43E-22	0. 241237	0. 374	0. 141	5. 12E-18 Mcy	HLA-F
HLA-DRB1. 3	3. 63E-22	0. 328896	0. 967	0. 522	5. 42E-18 Mcy	HLA-DRB1
MAFB. 5	3. 81E-22	0. 366845	0. 641	0. 307	5. 69E-18 Mcy	MAFB
FAU. 4	3. 85E-22	-0. 2487	0. 978	0. 957	5. 75E-18 Mcy	FAU
MAPT. 6	3. 93E-22	-0. 74609	0. 018	0. 291	5. 88E-18 Mcy	MAPT
FPR3. 6	4. 06E-22	0. 283385	0. 194	0. 053	6. 07E-18 Mcy	FPR3
APOC1. 5	4. 52E-22	0. 307696	0. 872	0. 507	6. 76E-18 Mcy	APOC1
TTC3. 5	4. 76E-22	-0. 69781	0. 3	0. 521	7. 12E-18 Mcy	TTC3
SPINT2. 6	5. 12E-22	0. 324064	0. 498	0. 21	7. 66E-18 Mcy	SPINT2
PPP1CA. 5	5. 14E-22	0. 381843	0. 832	0. 565	7. 68E-18 Mcy	PPP1CA
TCF4. 6	5. 33E-22	-0. 74664	0. 304	0. 528	7. 96E-18 Mcy	TCF4
IFI35. 4	5. 48E-22	0. 38696	0. 473	0. 225	8. 19E-18 Mcy	IFI35
B4GALT1. 6	5. 61E-22	0. 295055	0. 319	0. 116	8. 39E-18 Mcy	B4GALT1
SLC25A24. 5	5. 94E-22	0. 286346	0. 271	0. 095	8. 88E-18 Mcy	SLC25A24
CD109. 2	6. 32E-22	0. 216282	0. 114	0. 022	9. 45E-18 Mcy	CD109
TDP1. 1	7. 22E-22	0. 335798	0. 194	0. 056	1. 08E-17 Mcy	TDP1
LAP3. 4	7. 47E-22	0. 331392	0. 777	0. 485	1. 12E-17 Mcy	LAP3
DPYSL3. 5	7. 51E-22	-0. 72932	0. 051	0. 328	1. 12E-17 Mcy	DPYSL3
UBC. 4	7. 90E-22	-0. 272	0. 967	0. 95	1. 18E-17 Mcy	UBC
IGSF6. 6	8. 17E-22	0. 269528	0. 396	0. 148	1. 22E-17 Mcy	IGSF6
SLFN11. 3	8. 18E-22	0. 223062	0. 161	0. 04	1. 22E-17 Mcy	SLFN11
M6PR. 6	8. 75E-22	0. 352716	0. 652	0. 376	1. 31E-17 Mcy	M6PR
NDUFA4. 5	8. 91E-22	-0. 27035	0. 927	0. 894	1. 33E-17 Mcy	NDUFA4
HLA-DMA. 6	8. 95E-22	0. 285919	0. 821	0. 398	1. 34E-17 Mcy	HLA-DMA
ANP32A. 6	9. 12E-22	0. 333809	0. 696	0. 422	1. 36E-17 Mcy	ANP32A
MOB1A. 6	9. 26E-22	0. 322076	0. 615	0. 333	1. 38E-17 Mcy	MOB1A
SNX10. 4	9. 42E-22	0. 370282	0. 476	0. 223	1. 41E-17 Mcy	SNX10
LY96. 6	9. 68E-22	0. 424693	0. 473	0. 217	1. 45E-17 Mcy	LY96
EHD4. 6	9. 68E-22	0. 290949	0. 26	0. 087	1. 45E-17 Mcy	EHD4
UFD1L. 4	9. 92E-22	0. 394806	0. 579	0. 324	1. 48E-17 Mcy	UFD1L
ARHGAP15. 1	1. 07E-21	0. 26504	0. 278	0. 093	1. 60E-17 Mcy	ARHGAP15
TOPBP1. 4	1. 12E-21	0. 314856	0. 256	0. 089	1. 68E-17 Mcy	TOPBP1
ANXA2. 5	1. 15E-21	0. 375605	0. 89	0. 504	1. 72E-17 Mcy	ANXA2
DDR1. 5	1. 15E-21	-0. 72133	0. 059	0. 338	1. 72E-17 Mcy	DDR1
DDX5. 4	1. 21E-21	-0. 27353	0. 824	0. 817	1. 82E-17 Mcy	DDX5
IL12RB1. 5	1. 25E-21	0. 25709	0. 132	0. 029	1. 87E-17 Mcy	IL12RB1
RP11-545E	1. 28E-21	0. 347177	0. 172	0. 047	1. 92E-17 Mcy	RP11-545E17. 3
PER1. 5	1. 33E-21	0. 439408	0. 418	0. 179	1. 99E-17 Mcy	PER1

IQGAP3	1. 50E-21	0. 224297	0. 081	0. 012	2. 24E-17 Mcy	IQGAP3
ODF3B. 6	1. 57E-21	0. 260385	0. 267	0. 09	2. 34E-17 Mcy	ODF3B
ASGR1. 5	1. 75E-21	0. 405773	0. 22	0. 069	2. 62E-17 Mcy	ASGR1
LTBR. 6	1. 82E-21	0. 253443	0. 271	0. 091	2. 73E-17 Mcy	LTBR
PRDX3. 4	1. 91E-21	0. 328852	0. 733	0. 46	2. 85E-17 Mcy	PRDX3
GUSB. 5	1. 96E-21	0. 342203	0. 535	0. 266	2. 93E-17 Mcy	GUSB
TNFAIP8L2	1. 99E-21	0. 225704	0. 275	0. 09	2. 98E-17 Mcy	TNFAIP8L2
PA2G4. 1	2. 10E-21	0. 393204	0. 788	0. 533	3. 14E-17 Mcy	PA2G4
PIK3CG. 3	2. 20E-21	0. 173992	0. 106	0. 02	3. 29E-17 Mcy	PIK3CG
SEC61G. 6	2. 23E-21	-0. 6071	0. 832	0. 798	3. 34E-17 Mcy	SEC61G
VPS26A. 5	2. 43E-21	0. 402455	0. 484	0. 237	3. 63E-17 Mcy	VPS26A
BST2. 5	2. 63E-21	0. 314643	0. 872	0. 477	3. 92E-17 Mcy	BST2
BST1. 2	2. 76E-21	0. 240435	0. 147	0. 035	4. 13E-17 Mcy	BST1
CHAF1B	2. 78E-21	0. 266199	0. 147	0. 036	4. 15E-17 Mcy	CHAF1B
STMN3. 4	2. 91E-21	-0. 64774	0. 044	0. 313	4. 35E-17 Mcy	STMN3
INCENP	2. 92E-21	0. 208797	0. 114	0. 023	4. 37E-17 Mcy	INCENP
MEST. 5	2. 93E-21	-0. 78752	0. 121	0. 393	4. 38E-17 Mcy	MEST
NAIP. 6	3. 02E-21	0. 39254	0. 289	0. 104	4. 51E-17 Mcy	NAIP
GNB2L1. 4	3. 18E-21	-0. 23739	0. 971	0. 941	4. 76E-17 Mcy	GNB2L1
SERPINE2.	3. 95E-21	-0. 72855	0. 029	0. 299	5. 90E-17 Mcy	SERPINE2
CXCL2. 3	4. 07E-21	0. 312612	0. 253	0. 082	6. 09E-17 Mcy	CXCL2
SCD5. 5	4. 26E-21	-0. 76154	0. 132	0. 4	6. 37E-17 Mcy	SCD5
SNRPD3. 5	4. 37E-21	0. 394414	0. 667	0. 408	6. 54E-17 Mcy	SNRPD3
PHACTR1. 6	4. 40E-21	0. 240092	0. 315	0. 113	6. 58E-17 Mcy	PHACTR1
IER3. 6	5. 15E-21	0. 359963	0. 527	0. 235	7. 69E-17 Mcy	IER3
EMP3. 5	5. 31E-21	0. 355037	0. 744	0. 442	7. 93E-17 Mcy	EMP3
EPSTI1. 6	5. 45E-21	0. 315841	0. 319	0. 12	8. 15E-17 Mcy	EPSTI1
TUBG1. 4	5. 47E-21	0. 482521	0. 447	0. 228	8. 17E-17 Mcy	TUBG1
HS3ST1. 5	5. 58E-21	0. 311898	0. 253	0. 084	8. 33E-17 Mcy	HS3ST1
TSPAN7. 4	6. 12E-21	-0. 78705	0. 048	0. 316	9. 15E-17 Mcy	TSPAN7
GIMAP4. 6	6. 16E-21	0. 224397	0. 377	0. 144	9. 20E-17 Mcy	GIMAP4
APOC2. 5	6. 58E-21	0. 30255	0. 443	0. 183	9. 83E-17 Mcy	APOC2
IBSP. 4	6. 94E-21	0. 321822	0. 11	0. 022	1. 04E-16 Mcy	IBSP
DLGAP3. 1	7. 01E-21	0. 176982	0. 095	0. 017	1. 05E-16 Mcy	DLGAP3
SNX2. 6	7. 15E-21	0. 368359	0. 674	0. 404	1. 07E-16 Mcy	SNX2
INPP5D. 6	7. 38E-21	0. 203099	0. 253	0. 081	1. 10E-16 Mcy	INPP5D
BEX2. 5	8. 47E-21	-0. 90275	0. 011	0. 263	1. 27E-16 Mcy	BEX2
ENAH. 5	8. 49E-21	-0. 62796	0. 015	0. 27	1. 27E-16 Mcy	ENAH
NT5DC1. 2	8. 94E-21	0. 232765	0. 179	0. 049	1. 34E-16 Mcy	NT5DC1
GRN. 6	9. 61E-21	0. 320441	0. 853	0. 563	1. 44E-16 Mcy	GRN
IL4R. 6	9. 83E-21	0. 234501	0. 22	0. 067	1. 47E-16 Mcy	IL4R
POMC. 6	1. 01E-20	0. 250825	0. 168	0. 044	1. 51E-16 Mcy	POMC
PLXND1. 5	1. 02E-20	0. 408188	0. 264	0. 094	1. 52E-16 Mcy	PLXND1
SCG2. 5	1. 02E-20	-0. 83273	0. 015	0. 268	1. 53E-16 Mcy	SCG2
NCAPH2. 4	1. 07E-20	0. 442274	0. 308	0. 126	1. 60E-16 Mcy	NCAPH2
GLRX3. 4	1. 31E-20	0. 319025	0. 549	0. 299	1. 96E-16 Mcy	GLRX3
YDJC. 4	1. 31E-20	0. 37746	0. 33	0. 139	1. 96E-16 Mcy	YDJC
CHCHD1. 4	1. 33E-20	0. 349429	0. 505	0. 265	1. 98E-16 Mcy	CHCHD1
KCNAB2. 5	1. 38E-20	0. 347046	0. 227	0. 073	2. 06E-16 Mcy	KCNAB2
SIRPA. 6	1. 44E-20	0. 395069	0. 484	0. 238	2. 16E-16 Mcy	SIRPA
LIMS1. 6	1. 46E-20	0. 363013	0. 725	0. 433	2. 18E-16 Mcy	LIMS1

TIMELESS.	1.	55E-20	0.343102	0.194	0.059	2.32E-16	Mcy	TIMELESS
DUT.	5	1.58E-20	0.398593	0.674	0.45	2.37E-16	Mcy	DUT
RASSF4.	6	1.61E-20	0.327168	0.615	0.322	2.41E-16	Mcy	RASSF4
OGFRL1.	6	1.62E-20	0.339646	0.41	0.176	2.42E-16	Mcy	OGFRL1
DBN1.	6	1.65E-20	-0.71854	0.055	0.317	2.47E-16	Mcy	DBN1
KLHDC8A.	6	1.66E-20	-0.69114	0.007	0.256	2.48E-16	Mcy	KLHDC8A
MILR1.	6	1.67E-20	0.259829	0.275	0.094	2.49E-16	Mcy	MILR1
SPINT1.	5	1.67E-20	0.154347	0.136	0.031	2.50E-16	Mcy	SPINT1
TOR4A.	5	1.70E-20	0.192282	0.114	0.023	2.54E-16	Mcy	TOR4A
EEF1A1.	6	1.74E-20	-0.36048	0.868	0.825	2.60E-16	Mcy	EEF1A1
RP3-47704	1.	98E-20	0.236735	0.121	0.026	2.96E-16	Mcy	RP3-47704.14
MKNK1.	5	2.46E-20	0.308169	0.399	0.165	3.67E-16	Mcy	MKNK1
SVIP.	3	2.57E-20	0.383216	0.385	0.164	3.84E-16	Mcy	SVIP
CRIP2.	4	3.14E-20	-0.70933	0.055	0.32	4.69E-16	Mcy	CRIP2
CDC123.	3	3.70E-20	0.372714	0.568	0.331	5.53E-16	Mcy	CDC123
ANKRD39.	4	3.82E-20	0.429081	0.363	0.163	5.70E-16	Mcy	ANKRD39
SSNA1.	4	4.07E-20	0.350732	0.703	0.44	6.08E-16	Mcy	SSNA1
ETFB.	2	4.10E-20	0.300918	0.773	0.494	6.13E-16	Mcy	ETFB
NES.	6	4.11E-20	-0.83069	0.033	0.282	6.14E-16	Mcy	NES
SORL1.	5	4.13E-20	0.305705	0.484	0.221	6.17E-16	Mcy	SORL1
LAPTM4B.	6	4.25E-20	-0.69911	0.077	0.337	6.35E-16	Mcy	LAPTM4B
SDS.	6	4.31E-20	0.348179	0.19	0.056	6.44E-16	Mcy	SDS
PCDH12.	1	4.79E-20	0.236239	0.084	0.014	7.16E-16	Mcy	PCDH12
RAP2B.	6	4.79E-20	0.363273	0.374	0.16	7.16E-16	Mcy	RAP2B
SIRPB1.	2	4.95E-20	0.186052	0.07	0.01	7.40E-16	Mcy	SIRPB1
SUSD3.	5	5.03E-20	0.267266	0.267	0.091	7.52E-16	Mcy	SUSD3
ARL11.	5	5.64E-20	0.275924	0.147	0.036	8.43E-16	Mcy	ARL11
CARHSP1.	5	6.08E-20	0.380976	0.674	0.417	9.08E-16	Mcy	CARHSP1
CFL1.	5	6.17E-20	-0.20373	0.978	0.949	9.22E-16	Mcy	CFL1
RP2.	6	6.27E-20	0.313947	0.223	0.074	9.37E-16	Mcy	RP2
IKBIP.	5	6.89E-20	0.321732	0.454	0.221	1.03E-15	Mcy	IKBIP
TSPAN5.	6	7.89E-20	-0.61024	0.018	0.268	1.18E-15	Mcy	TSPAN5
MYL12A.	5	8.02E-20	0.288275	0.853	0.536	1.20E-15	Mcy	MYL12A
CXCR2.	6	8.04E-20	0.169508	0.048	0.005	1.20E-15	Mcy	CXCR2
CSK.	6	8.21E-20	0.49366	0.341	0.143	1.23E-15	Mcy	CSK
CENPV.	6	8.56E-20	-0.66506	0.015	0.261	1.28E-15	Mcy	CENPV
TRIB2.	6	9.37E-20	-0.66723	0.022	0.268	1.40E-15	Mcy	TRIB2
UBE2L3.	5	9.50E-20	0.3427	0.777	0.529	1.42E-15	Mcy	UBE2L3
LTC4S.	6	9.93E-20	0.235723	0.407	0.162	1.48E-15	Mcy	LTC4S
PLIN2.	5	1.00E-19	0.196149	0.681	0.334	1.50E-15	Mcy	PLIN2
B3GNTL1.	2	1.04E-19	0.405342	0.187	0.058	1.55E-15	Mcy	B3GNTL1
KIF18B.	6	1.06E-19	0.250729	0.103	0.021	1.58E-15	Mcy	KIF18B
GIMAP1.	5	1.07E-19	0.277099	0.22	0.07	1.59E-15	Mcy	GIMAP1
RP11-597D	1.	13E-19	0.172349	0.106	0.021	1.69E-15	Mcy	RP11-597D13.8
SCRG1.	5	1.14E-19	-0.79489	0.095	0.352	1.70E-15	Mcy	SCRG1
MLLT11.	4	1.16E-19	-0.81589	0.209	0.46	1.73E-15	Mcy	MLLT11
RNASEH2B.	6	1.17E-19	0.399499	0.458	0.233	1.75E-15	Mcy	RNASEH2B
PPP1R18.	6	1.18E-19	0.403894	0.542	0.287	1.76E-15	Mcy	PPP1R18
HADH.	1	1.25E-19	0.327675	0.418	0.202	1.86E-15	Mcy	HADH
SYNGR2.	6	1.26E-19	0.297729	0.619	0.321	1.89E-15	Mcy	SYNGR2
HIST1H4C.	6	1.28E-19	0.43386	0.667	0.419	1.91E-15	Mcy	HIST1H4C



SRI. 6	1. 31E-19	-0. 48738	0. 667	0. 73	1. 95E-15 Mcy	SRI
CREM. 6	1. 42E-19	0. 265076	0. 689	0. 4	2. 13E-15 Mcy	CREM
CPPED1. 6	1. 51E-19	0. 20601	0. 209	0. 064	2. 25E-15 Mcy	CPPED1
WDFY4. 5	1. 52E-19	0. 210824	0. 114	0. 024	2. 26E-15 Mcy	WDFY4
SGCB. 3	1. 53E-19	-0. 72196	0. 073	0. 332	2. 28E-15 Mcy	SGCB
HLA-DPB1.	1. 72E-19	0. 272581	0. 901	0. 485	2. 57E-15 Mcy	HLA-DPB1
KIF5C. 6	1. 82E-19	-0. 52595	0. 026	0. 274	2. 72E-15 Mcy	KIF5C
SNRPB. 2	1. 93E-19	0. 363951	0. 85	0. 571	2. 88E-15 Mcy	SNRPB
PVRL2. 5	1. 95E-19	0. 379329	0. 469	0. 238	2. 92E-15 Mcy	PVRL2
MS4A14. 5	2. 21E-19	0. 137235	0. 103	0. 02	3. 30E-15 Mcy	MS4A14
SOX11. 5	2. 33E-19	-0. 80791	0. 033	0. 278	3. 49E-15 Mcy	SOX11
CD81. 5	2. 38E-19	0. 336709	0. 725	0. 432	3. 55E-15 Mcy	CD81
SLAMF8. 6	2. 39E-19	0. 3181	0. 198	0. 06	3. 57E-15 Mcy	SLAMF8
MT1H. 1	2. 41E-19	0. 338635	0. 095	0. 018	3. 61E-15 Mcy	MT1H
FCGRT. 5	2. 47E-19	0. 293009	0. 875	0. 542	3. 68E-15 Mcy	FCGRT
WDFY2. 1	2. 53E-19	0. 365282	0. 231	0. 08	3. 78E-15 Mcy	WDFY2
SPDL1. 3	2. 59E-19	0. 317844	0. 194	0. 062	3. 87E-15 Mcy	SPDL1
NEFH	2. 93E-19	0. 137504	0. 066	0. 009	4. 37E-15 Mcy	NEFH
EXOSC9. 1	3. 01E-19	0. 421005	0. 337	0. 145	4. 49E-15 Mcy	EXOSC9
RFC3. 4	3. 15E-19	0. 287838	0. 238	0. 084	4. 70E-15 Mcy	RFC3
SERPINB9.	3. 21E-19	0. 2235	0. 366	0. 141	4. 79E-15 Mcy	SERPINB9
TTF2. 1	3. 30E-19	0. 325793	0. 194	0. 061	4. 93E-15 Mcy	TTF2
ADK. 1	3. 71E-19	0. 342418	0. 363	0. 161	5. 55E-15 Mcy	ADK
TNFSF15. 1	3. 72E-19	0. 104235	0. 07	0. 01	5. 56E-15 Mcy	TNFSF15
SCG3. 6	3. 83E-19	-0. 80215	0. 029	0. 272	5. 72E-15 Mcy	SCG3
RAB3IP. 4	3. 89E-19	-0. 75398	0. 015	0. 252	5. 81E-15 Mcy	RAB3IP
THY1. 5	4. 42E-19	-0. 70537	0. 022	0. 261	6. 60E-15 Mcy	THY1
TMEM59L. 5	4. 42E-19	-0. 60422	0. 022	0. 264	6. 61E-15 Mcy	TMEM59L
ARG2. 4	4. 63E-19	0. 221641	0. 267	0. 095	6. 91E-15 Mcy	ARG2
FN1. 4	4. 86E-19	0. 4486	0. 341	0. 15	7. 26E-15 Mcy	FN1
CADM4. 5	5. 66E-19	-0. 62677	0. 029	0. 269	8. 45E-15 Mcy	CADM4
SHKBP1. 6	5. 66E-19	0. 356864	0. 454	0. 232	8. 46E-15 Mcy	SHKBP1
PTPRS. 6	5. 81E-19	-0. 65008	0. 022	0. 264	8. 68E-15 Mcy	PTPRS
ADAM15. 2	5. 93E-19	0. 36311	0. 282	0. 112	8. 87E-15 Mcy	ADAM15
NRP1. 5	6. 78E-19	0. 344014	0. 363	0. 161	1. 01E-14 Mcy	NRP1
RP11-1008	6. 81E-19	0. 143865	0. 048	0. 005	1. 02E-14 Mcy	RP11-1008C21. 1
SOX9. 5	7. 09E-19	-0. 73142	0. 037	0. 277	1. 06E-14 Mcy	SOX9
CDCA4. 4	7. 13E-19	0. 32799	0. 234	0. 084	1. 07E-14 Mcy	CDCA4
NLRC4. 1	7. 13E-19	0. 161585	0. 073	0. 012	1. 07E-14 Mcy	NLRC4
SYT11. 6	7. 42E-19	-0. 70427	0. 143	0. 39	1. 11E-14 Mcy	SYT11
TCEA2. 5	7. 71E-19	-0. 66757	0. 128	0. 374	1. 15E-14 Mcy	TCEA2
LILRA2. 6	8. 14E-19	0. 171074	0. 242	0. 08	1. 22E-14 Mcy	LILRA2
TRABD. 6	8. 35E-19	0. 335954	0. 491	0. 253	1. 25E-14 Mcy	TRABD
RPA1. 1	8. 61E-19	0. 377727	0. 451	0. 235	1. 29E-14 Mcy	RPA1
ERLIN1	8. 83E-19	0. 251254	0. 19	0. 059	1. 32E-14 Mcy	ERLIN1
NR4A2. 6	8. 89E-19	0. 279658	0. 542	0. 245	1. 33E-14 Mcy	NR4A2
NFIA. 5	8. 91E-19	-0. 67587	0. 132	0. 385	1. 33E-14 Mcy	NFIA
DNAJB12. 5	9. 29E-19	0. 327835	0. 337	0. 144	1. 39E-14 Mcy	DNAJB12
CD36. 2	9. 50E-19	0. 179919	0. 081	0. 014	1. 42E-14 Mcy	CD36
SCG5. 5	9. 53E-19	-0. 76346	0. 077	0. 334	1. 42E-14 Mcy	SCG5
APIP. 4	9. 61E-19	0. 331399	0. 458	0. 228	1. 44E-14 Mcy	APIP

CREG1. 6	9. 73E-19	0. 375468	0. 56	0. 291	1. 45E-14 Mcy	CREG1
DDX21. 4	9. 79E-19	0. 399246	0. 527	0. 294	1. 46E-14 Mcy	DDX21
FAM20A. 5	9. 92E-19	0. 187668	0. 19	0. 056	1. 48E-14 Mcy	FAM20A
ME2. 4	1. 02E-18	0. 32951	0. 443	0. 219	1. 53E-14 Mcy	ME2
S100A16. 5	1. 09E-18	-0. 96754	0. 066	0. 313	1. 63E-14 Mcy	S100A16
PTAFR. 6	1. 09E-18	0. 25692	0. 319	0. 121	1. 64E-14 Mcy	PTAFR
ARHGAP10. 1	1. 17E-18	0. 203227	0. 128	0. 031	1. 75E-14 Mcy	ARHGAP10
IFI16. 4	1. 24E-18	0. 292362	0. 685	0. 386	1. 85E-14 Mcy	IFI16
CFL2. 5	1. 31E-18	-0. 7121	0. 084	0. 333	1. 96E-14 Mcy	CFL2
BAZ1A. 4	1. 37E-18	0. 341031	0. 557	0. 314	2. 05E-14 Mcy	BAZ1A
CASP8. 5	1. 39E-18	0. 275888	0. 161	0. 045	2. 07E-14 Mcy	CASP8
MRO. 2	1. 46E-18	0. 237276	0. 095	0. 019	2. 19E-14 Mcy	MRO
NPDC1. 5	1. 48E-18	-0. 63376	0. 081	0. 329	2. 21E-14 Mcy	NPDC1
FNDC3B. 3	1. 52E-18	0. 381287	0. 359	0. 169	2. 27E-14 Mcy	FNDC3B
TNFSF13B. 1	1. 55E-18	0. 230902	0. 454	0. 197	2. 31E-14 Mcy	TNFSF13B
IFNGR1. 6	1. 64E-18	0. 281865	0. 729	0. 43	2. 45E-14 Mcy	IFNGR1
LYL1. 6	1. 67E-18	0. 209274	0. 234	0. 078	2. 49E-14 Mcy	LYL1
APOBEC3C. 1	1. 74E-18	0. 284403	0. 308	0. 124	2. 61E-14 Mcy	APOBEC3C
JDP2. 6	1. 75E-18	0. 31485	0. 209	0. 067	2. 62E-14 Mcy	JDP2
LILRB1. 6	1. 85E-18	0. 18225	0. 256	0. 088	2. 76E-14 Mcy	LILRB1
P2RY6. 5	1. 90E-18	0. 216298	0. 128	0. 031	2. 84E-14 Mcy	P2RY6
LMO7	1. 90E-18	0. 191346	0. 139	0. 036	2. 85E-14 Mcy	LMO7
PCBP4. 6	1. 96E-18	-0. 59944	0. 026	0. 261	2. 92E-14 Mcy	PCBP4
TRIM38. 5	2. 14E-18	0. 286957	0. 26	0. 094	3. 20E-14 Mcy	TRIM38
CIT	2. 25E-18	0. 230977	0. 128	0. 032	3. 37E-14 Mcy	CIT
FZD3. 3	2. 31E-18	-0. 5711	0. 037	0. 282	3. 45E-14 Mcy	FZD3
RP11-108M	2. 35E-18	0. 323663	0. 264	0. 098	3. 51E-14 Mcy	RP11-108M9. 4
TTYH1. 6	2. 38E-18	-0. 79769	0. 037	0. 273	3. 56E-14 Mcy	TTYH1
CDKN2A. 3	2. 44E-18	0. 240916	0. 275	0. 098	3. 65E-14 Mcy	CDKN2A
TMEM98. 4	2. 50E-18	-0. 64191	0. 011	0. 24	3. 73E-14 Mcy	TMEM98
NRCAM. 5	2. 95E-18	-0. 5944	0. 033	0. 275	4. 41E-14 Mcy	NRCAM
ACO09005. 3	2. 29E-18	0. 249303	0. 11	0. 025	4. 91E-14 Mcy	ACO09005. 2
TMEM141. 4	3. 40E-18	0. 41933	0. 465	0. 247	5. 09E-14 Mcy	TMEM141
DPYD. 4	3. 48E-18	0. 194918	0. 267	0. 097	5. 20E-14 Mcy	DPYD
DSTN. 6	3. 49E-18	-0. 5274	0. 516	0. 621	5. 22E-14 Mcy	DSTN
SLC22A17. 3	3. 86E-18	-0. 62196	0. 048	0. 289	5. 77E-14 Mcy	SLC22A17
RP11-553L	3. 89E-18	-0. 55859	0. 007	0. 231	5. 82E-14 Mcy	RP11-553L6. 5
KCNK13. 3	4. 13E-18	0. 157183	0. 103	0. 021	6. 17E-14 Mcy	KCNK13
DNAJC15. 4	4. 36E-18	0. 349451	0. 619	0. 384	6. 52E-14 Mcy	DNAJC15
KCTD12. 6	4. 37E-18	0. 284215	0. 48	0. 23	6. 53E-14 Mcy	KCTD12
CCL3. 6	4. 75E-18	0. 252236	0. 729	0. 415	7. 10E-14 Mcy	CCL3
GPN3. 1	4. 86E-18	0. 37238	0. 469	0. 248	7. 26E-14 Mcy	GPN3
ATG3. 5	5. 16E-18	0. 377138	0. 604	0. 372	7. 72E-14 Mcy	ATG3
CX3CR1. 5	5. 23E-18	0. 264586	0. 271	0. 097	7. 81E-14 Mcy	CX3CR1
TLN1. 6	5. 24E-18	0. 359528	0. 513	0. 279	7. 82E-14 Mcy	TLN1
EIF4EBP1. 5	5. 30E-18	0. 349335	0. 663	0. 421	7. 91E-14 Mcy	EIF4EBP1
ATAT1. 6	5. 52E-18	-0. 65168	0. 055	0. 294	8. 25E-14 Mcy	ATAT1
BAX. 6	5. 66E-18	0. 296925	0. 817	0. 56	8. 47E-14 Mcy	BAX
MRVI1	6. 73E-18	0. 129123	0. 059	0. 008	1. 01E-13 Mcy	MRVI1
LYVE1. 4	6. 79E-18	0. 200826	0. 139	0. 036	1. 02E-13 Mcy	LYVE1
CSR2. 4	6. 87E-18	-0. 7463	0. 059	0. 307	1. 03E-13 Mcy	CSR2

ATL3. 3	7. 24E-18	0. 321815	0. 311	0. 134	1. 08E-13 Mcy	ATL3
CXXC5. 6	7. 62E-18	-0. 65831	0. 147	0. 385	1. 14E-13 Mcy	CXXC5
CARD6	7. 68E-18	0. 139275	0. 081	0. 014	1. 15E-13 Mcy	CARD6
METRN. 6	7. 81E-18	-0. 727	0. 07	0. 299	1. 17E-13 Mcy	METRN
CRMP1. 5	9. 02E-18	-0. 71531	0. 04	0. 271	1. 35E-13 Mcy	CRMP1
SLC25A4. 6	1. 10E-17	-0. 62186	0. 176	0. 432	1. 64E-13 Mcy	SLC25A4
UBXN11. 3	1. 15E-17	0. 292039	0. 311	0. 132	1. 72E-13 Mcy	UBXN11
BIK. 2	1. 22E-17	0. 116718	0. 07	0. 011	1. 82E-13 Mcy	BIK
POU3F2. 5	1. 28E-17	-0. 59848	0. 004	0. 221	1. 91E-13 Mcy	POU3F2
TEX30. 3	1. 31E-17	0. 340097	0. 348	0. 161	1. 96E-13 Mcy	TEX30
MBD2. 2	1. 32E-17	0. 313732	0. 19	0. 062	1. 97E-13 Mcy	MBD2
GNAI2. 6	1. 33E-17	0. 349111	0. 729	0. 476	1. 99E-13 Mcy	GNAI2
KCNQ2. 5	1. 35E-17	-0. 58654	0. 004	0. 22	2. 01E-13 Mcy	KCNQ2
SLC25A5. 3	1. 43E-17	0. 28564	0. 927	0. 716	2. 14E-13 Mcy	SLC25A5
ATAD5. 3	1. 50E-17	0. 29048	0. 209	0. 072	2. 24E-13 Mcy	ATAD5
SGK1. 6	1. 71E-17	0. 279473	0. 751	0. 429	2. 55E-13 Mcy	SGK1
BLVRB. 4	1. 74E-17	0. 30941	0. 634	0. 368	2. 61E-13 Mcy	BLVRB
CD58. 6	1. 82E-17	0. 277293	0. 451	0. 222	2. 72E-13 Mcy	CD58
HSD17B11. 1	1. 83E-17	0. 276815	0. 652	0. 37	2. 73E-13 Mcy	HSD17B11
C3. 5	1. 88E-17	0. 22968	0. 766	0. 393	2. 81E-13 Mcy	C3
CCDC18. 3	1. 91E-17	0. 249081	0. 212	0. 073	2. 85E-13 Mcy	CCDC18
MAP1A. 5	2. 04E-17	-0. 61947	0. 015	0. 235	3. 05E-13 Mcy	MAP1A
GSN. 5	2. 07E-17	0. 260031	0. 824	0. 502	3. 09E-13 Mcy	GSN
GIMAP5. 4	2. 10E-17	0. 218249	0. 165	0. 048	3. 14E-13 Mcy	GIMAP5
MTHFD1L. 5	2. 10E-17	0. 300169	0. 308	0. 131	3. 14E-13 Mcy	MTHFD1L
LACTB. 6	2. 11E-17	0. 27659	0. 359	0. 161	3. 15E-13 Mcy	LACTB
TMOD3. 4	2. 16E-17	0. 346462	0. 315	0. 14	3. 23E-13 Mcy	TMOD3
CCDC28A. 5	2. 19E-17	0. 350589	0. 344	0. 154	3. 27E-13 Mcy	CCDC28A
HMG1A1. 4	2. 19E-17	0. 368618	0. 571	0. 34	3. 27E-13 Mcy	HMG1A1
ARPC4. 6	2. 28E-17	0. 313175	0. 74	0. 508	3. 41E-13 Mcy	ARPC4
TMEM167A. 2	2. 32E-17	0. 33525	0. 648	0. 415	3. 47E-13 Mcy	TMEM167A
CTTN. 5	2. 33E-17	-0. 55314	0. 015	0. 234	3. 49E-13 Mcy	CTTN
AKR1A1. 4	2. 35E-17	0. 325573	0. 755	0. 491	3. 50E-13 Mcy	AKR1A1
CCRL2. 6	2. 51E-17	0. 2434	0. 242	0. 085	3. 76E-13 Mcy	CCRL2
SPARC. 5	2. 59E-17	-0. 84445	0. 15	0. 39	3. 88E-13 Mcy	SPARC
TLR1. 6	2. 63E-17	0. 220387	0. 201	0. 065	3. 93E-13 Mcy	TLR1
RASSF5. 6	2. 73E-17	0. 218656	0. 297	0. 115	4. 08E-13 Mcy	RASSF5
FLI1. 6	2. 78E-17	0. 18514	0. 168	0. 049	4. 15E-13 Mcy	FLI1
FKBP5. 6	2. 80E-17	0. 316644	0. 586	0. 31	4. 18E-13 Mcy	FKBP5
LAMTOR2. 4	2. 83E-17	0. 337171	0. 842	0. 581	4. 23E-13 Mcy	LAMTOR2
IL10. 6	2. 85E-17	0. 237021	0. 275	0. 102	4. 26E-13 Mcy	IL10
EMC9. 2	3. 00E-17	0. 392106	0. 359	0. 173	4. 49E-13 Mcy	EMC9
IL17RA. 6	3. 12E-17	0. 248185	0. 289	0. 115	4. 66E-13 Mcy	IL17RA
TOR2A. 4	3. 18E-17	0. 328026	0. 326	0. 143	4. 76E-13 Mcy	TOR2A
PCDH9. 4	3. 22E-17	-0. 68819	0. 029	0. 26	4. 81E-13 Mcy	PCDH9
PKIB. 4	3. 41E-17	0. 352442	0. 509	0. 278	5. 10E-13 Mcy	PKIB
RALB. 4	3. 46E-17	0. 283122	0. 341	0. 153	5. 17E-13 Mcy	RALB
PSMC3. 3	3. 57E-17	0. 293057	0. 777	0. 524	5. 33E-13 Mcy	PSMC3
GPAT2	3. 59E-17	0. 167073	0. 066	0. 01	5. 37E-13 Mcy	GPAT2
ID4. 5	3. 59E-17	-0. 69489	0. 007	0. 22	5. 37E-13 Mcy	ID4
ELL2. 5	3. 89E-17	0. 268713	0. 418	0. 187	5. 82E-13 Mcy	ELL2

SIGLEC14.	3.95E-17	0.249741	0.15	0.042	5.91E-13	Mcy	SIGLEC14
CD55.6	4.06E-17	0.156901	0.3	0.113	6.07E-13	Mcy	CD55
GPC1.5	4.11E-17	-0.67822	0.022	0.242	6.14E-13	Mcy	GPC1
PTGER4.6	4.29E-17	0.196166	0.311	0.119	6.41E-13	Mcy	PTGER4
MEF2C.6	4.59E-17	0.271658	0.542	0.277	6.86E-13	Mcy	MEF2C
LHFP.6	4.68E-17	-0.65443	0.018	0.237	6.99E-13	Mcy	LHFP
FANCA.1	4.70E-17	0.253256	0.176	0.056	7.02E-13	Mcy	FANCA
PTMA.6	4.89E-17	-0.18758	1	0.966	7.31E-13	Mcy	PTMA
KIFC3.2	4.91E-17	0.397526	0.256	0.1	7.33E-13	Mcy	KIFC3
GIMAP6.4	5.19E-17	0.226888	0.147	0.04	7.75E-13	Mcy	GIMAP6
POLE3.1	5.26E-17	0.431734	0.454	0.242	7.86E-13	Mcy	POLE3
CD52.5	5.30E-17	0.1063	0.168	0.049	7.92E-13	Mcy	CD52
SLC7A5.6	5.41E-17	0.268796	0.322	0.134	8.09E-13	Mcy	SLC7A5
TMEM255B.	5.42E-17	0.244579	0.172	0.052	8.10E-13	Mcy	TMEM255B
DNER.4	5.43E-17	-0.76406	0.062	0.285	8.11E-13	Mcy	DNER
LPAR5.4	5.73E-17	0.212931	0.271	0.1	8.56E-13	Mcy	LPAR5
CD83.6	5.75E-17	0.219513	0.582	0.288	8.59E-13	Mcy	CD83
IQGAP1.6	5.86E-17	0.34857	0.458	0.248	8.75E-13	Mcy	IQGAP1
CXorf38.2	5.87E-17	0.200006	0.198	0.066	8.78E-13	Mcy	CXorf38
MFSD1.6	5.91E-17	0.247008	0.619	0.337	8.83E-13	Mcy	MFSD1
MYO7A.4	5.99E-17	0.190223	0.125	0.031	8.95E-13	Mcy	MYO7A
ELF1.6	5.99E-17	0.222924	0.484	0.238	8.95E-13	Mcy	ELF1
SPINK6.1	6.65E-17	0.118469	0.033	0.003	9.94E-13	Mcy	SPINK6
MAGED2.6	6.78E-17	-0.61979	0.293	0.514	1.01E-12	Mcy	MAGED2
LMNB2.6	6.92E-17	0.384701	0.271	0.113	1.03E-12	Mcy	LMNB2
DARS2	7.08E-17	0.202322	0.128	0.034	1.06E-12	Mcy	DARS2
TGFB1.6	7.78E-17	0.317538	0.469	0.239	1.16E-12	Mcy	TGFB1
KLF4.6	7.89E-17	0.238764	0.447	0.2	1.18E-12	Mcy	KLF4
COL6A1.5	8.17E-17	-0.64187	0.018	0.234	1.22E-12	Mcy	COL6A1
ARHGAP27.	8.25E-17	0.206195	0.172	0.052	1.23E-12	Mcy	ARHGAP27
SFR1.3	8.44E-17	0.289954	0.194	0.065	1.26E-12	Mcy	SFR1
CCNI.4	8.71E-17	-0.27857	0.696	0.706	1.30E-12	Mcy	CCNI
GYPC.6	9.02E-17	0.293843	0.564	0.303	1.35E-12	Mcy	GYPC
PNMA1.5	9.25E-17	-0.55021	0.062	0.289	1.38E-12	Mcy	PNMA1
STMN4.5	9.36E-17	-0.99837	0.092	0.311	1.40E-12	Mcy	STMN4
GINS4	9.38E-17	0.213082	0.147	0.042	1.40E-12	Mcy	GINS4
PKIG.6	9.42E-17	-0.59685	0.077	0.316	1.41E-12	Mcy	PKIG
MSI2.4	9.67E-17	-0.644	0.092	0.327	1.45E-12	Mcy	MSI2
SNRPD1.2	9.72E-17	0.308702	0.799	0.558	1.45E-12	Mcy	SNRPD1
ECT2.4	1.00E-16	0.23369	0.158	0.047	1.50E-12	Mcy	ECT2
B2M.4	1.03E-16	-0.26786	1	0.97	1.54E-12	Mcy	B2M
SLC19A1.2	1.08E-16	0.303574	0.194	0.067	1.62E-12	Mcy	SLC19A1
TOR3A.3	1.11E-16	0.329219	0.407	0.205	1.66E-12	Mcy	TOR3A
RIC3.4	1.14E-16	-0.6532	0.018	0.236	1.70E-12	Mcy	RIC3
CHPF.5	1.24E-16	-0.56009	0.044	0.264	1.85E-12	Mcy	CHPF
IMPDH1.4	1.26E-16	0.316644	0.333	0.153	1.88E-12	Mcy	IMPDH1
FIBIN.5	1.29E-16	-0.67177	0.018	0.232	1.93E-12	Mcy	FIBIN
GLDN.5	1.35E-16	0.225534	0.256	0.093	2.01E-12	Mcy	GLDN
PTPRO.5	1.37E-16	0.206695	0.216	0.075	2.05E-12	Mcy	PTPRO
NSMCE4A.4	1.52E-16	0.330778	0.326	0.149	2.27E-12	Mcy	NSMCE4A
TAGAP.6	1.52E-16	0.188258	0.264	0.097	2.28E-12	Mcy	TAGAP

LRRFIP1. 6	1. 53E-16	0. 30596	0. 59	0. 348	2. 28E-12 Mcy	LRRFIP1
UBB. 5	1. 56E-16	-0. 18363	0. 967	0. 909	2. 33E-12 Mcy	UBB
CDO1. 6	1. 59E-16	-0. 62199	0. 022	0. 24	2. 38E-12 Mcy	CDO1
CHN1. 5	1. 63E-16	-0. 511	0. 011	0. 221	2. 44E-12 Mcy	CHN1
PLS3. 5	1. 65E-16	-0. 59256	0. 015	0. 226	2. 47E-12 Mcy	PLS3
NACA. 2	1. 69E-16	-0. 17247	0. 967	0. 924	2. 53E-12 Mcy	NACA
KCNJ3	1. 71E-16	0. 396879	0. 147	0. 042	2. 56E-12 Mcy	KCNJ3
STX11. 6	1. 73E-16	0. 175673	0. 289	0. 11	2. 58E-12 Mcy	STX11
LPAR6. 6	1. 77E-16	0. 370319	0. 465	0. 232	2. 64E-12 Mcy	LPAR6
CYSLTR1. 4	1. 80E-16	0. 221409	0. 103	0. 023	2. 69E-12 Mcy	CYSLTR1
PRAF2. 5	1. 85E-16	-0. 56145	0. 077	0. 307	2. 76E-12 Mcy	PRAF2
RPS6KA4. 5	1. 94E-16	0. 299304	0. 282	0. 118	2. 90E-12 Mcy	RPS6KA4
RP3-340N1	2. 02E-16	0. 103118	0. 044	0. 005	3. 02E-12 Mcy	RP3-340N1. 2
MAGED1. 5	2. 04E-16	-0. 59766	0. 11	0. 35	3. 06E-12 Mcy	MAGED1
DHRS3. 4	2. 14E-16	0. 197611	0. 377	0. 166	3. 20E-12 Mcy	DHRS3
VKORC1. 2	2. 19E-16	0. 285728	0. 729	0. 491	3. 27E-12 Mcy	VKORC1
EXOSC8. 5	2. 20E-16	0. 381094	0. 505	0. 284	3. 28E-12 Mcy	EXOSC8
GTSF1. 1	2. 25E-16	0. 19992	0. 062	0. 01	3. 36E-12 Mcy	GTSF1
QSOX1. 5	2. 27E-16	0. 301318	0. 443	0. 231	3. 40E-12 Mcy	QSOX1
NRN1. 4	2. 47E-16	-0. 68632	0. 037	0. 259	3. 69E-12 Mcy	NRN1
PLTP. 4	2. 51E-16	0. 249736	0. 725	0. 464	3. 75E-12 Mcy	PLTP
RNF135. 6	2. 77E-16	0. 32744	0. 267	0. 107	4. 15E-12 Mcy	RNF135
MX2. 6	2. 90E-16	0. 281611	0. 187	0. 061	4. 33E-12 Mcy	MX2
RP6-91H8.	2. 95E-16	0. 231301	0. 172	0. 053	4. 41E-12 Mcy	RP6-91H8. 3
TRIM2. 4	2. 97E-16	-0. 54013	0. 018	0. 228	4. 44E-12 Mcy	TRIM2
APBA2. 6	3. 26E-16	-0. 51301	0. 007	0. 211	4. 87E-12 Mcy	APBA2
CCND2. 6	3. 31E-16	-0. 61174	0. 099	0. 332	4. 95E-12 Mcy	CCND2
RGMA. 5	3. 33E-16	-0. 55703	0. 004	0. 205	4. 98E-12 Mcy	RGMA
PRR13. 4	3. 35E-16	0. 237934	0. 799	0. 537	5. 01E-12 Mcy	PRR13
CTSV	3. 68E-16	0. 219128	0. 07	0. 012	5. 50E-12 Mcy	CTSV
SLC25A40.	3. 77E-16	0. 304702	0. 179	0. 06	5. 63E-12 Mcy	SLC25A40
MCTP1. 1	4. 02E-16	0. 139939	0. 092	0. 019	6. 00E-12 Mcy	MCTP1
PARP1. 4	4. 22E-16	0. 322378	0. 678	0. 467	6. 30E-12 Mcy	PARP1
TALDO1. 6	4. 23E-16	0. 273893	0. 813	0. 592	6. 32E-12 Mcy	TALDO1
ASCL2. 5	4. 34E-16	0. 141096	0. 132	0. 035	6. 48E-12 Mcy	ASCL2
MBNL1. 6	4. 37E-16	0. 299767	0. 425	0. 219	6. 54E-12 Mcy	MBNL1
FAM181B. 6	4. 92E-16	-0. 59486	0. 007	0. 208	7. 35E-12 Mcy	FAM181B
ST3GAL6. 6	5. 27E-16	0. 264356	0. 271	0. 108	7. 88E-12 Mcy	ST3GAL6
NFATC2. 3	5. 28E-16	0. 198603	0. 15	0. 044	7. 89E-12 Mcy	NFATC2
HEPN1. 5	5. 33E-16	-0. 68253	0. 007	0. 209	7. 97E-12 Mcy	HEPN1
SKA2. 4	5. 54E-16	0. 386144	0. 513	0. 302	8. 28E-12 Mcy	SKA2
SERPINB8.	5. 63E-16	0. 243534	0. 209	0. 075	8. 41E-12 Mcy	SERPINB8
MB21D1. 1	5. 84E-16	0. 16941	0. 125	0. 033	8. 73E-12 Mcy	MB21D1
SCAMP2. 6	5. 99E-16	0. 242497	0. 626	0. 368	8. 95E-12 Mcy	SCAMP2
HEY1. 5	6. 24E-16	-0. 58901	0. 037	0. 252	9. 33E-12 Mcy	HEY1
NLRP3. 6	6. 25E-16	0. 219483	0. 234	0. 084	9. 34E-12 Mcy	NLRP3
POLD4. 4	6. 39E-16	0. 240528	0. 692	0. 414	9. 54E-12 Mcy	POLD4
CYFIP1. 5	6. 44E-16	0. 283568	0. 505	0. 278	9. 62E-12 Mcy	CYFIP1
TRAF4. 5	6. 56E-16	-0. 57909	0. 059	0. 274	9. 80E-12 Mcy	TRAF4
HIST1H2AE	6. 72E-16	0. 143581	0. 029	0. 002	1. 00E-11 Mcy	HIST1H2AB
TBC1D22A.	6. 75E-16	0. 285058	0. 282	0. 119	1. 01E-11 Mcy	TBC1D22A

SASS6.1	7.44E-16	0.230036	0.176	0.058	1.11E-11	Mcy	SASS6
ATG16L2.5	7.56E-16	0.22831	0.227	0.084	1.13E-11	Mcy	ATG16L2
C19orf48.	7.84E-16	0.325026	0.425	0.222	1.17E-11	Mcy	C19orf48
LIMA1.5	7.94E-16	-0.64228	0.103	0.323	1.19E-11	Mcy	LIMA1
NASP.2	8.35E-16	0.296465	0.637	0.404	1.25E-11	Mcy	NASP
PBX1.5	8.39E-16	-0.49676	0.015	0.219	1.25E-11	Mcy	PBX1
RP11-514C	8.44E-16	0.181394	0.106	0.025	1.26E-11	Mcy	RP11-514012.4
CCR5.4	8.85E-16	0.155777	0.103	0.024	1.32E-11	Mcy	CCR5
EXOSC1.1	8.96E-16	0.285512	0.363	0.177	1.34E-11	Mcy	EXOSC1
RPA2.2	9.15E-16	0.326124	0.538	0.314	1.37E-11	Mcy	RPA2
DONSON.2	9.37E-16	0.263953	0.209	0.078	1.40E-11	Mcy	DONSON
TSPO.5	9.38E-16	0.271405	0.817	0.589	1.40E-11	Mcy	TSPO
CISD3.5	9.40E-16	0.286734	0.462	0.249	1.40E-11	Mcy	CISD3
EPN2.6	9.72E-16	-0.53223	0.033	0.242	1.45E-11	Mcy	EPN2
GRIA2.5	9.80E-16	-0.54264	0.015	0.217	1.46E-11	Mcy	GRIA2
MYO6.4	9.84E-16	-0.53109	0.022	0.229	1.47E-11	Mcy	MYO6
HTATIP2.6	1.01E-15	0.261944	0.322	0.142	1.51E-11	Mcy	HTATIP2
STAT6.6	1.02E-15	0.243489	0.161	0.049	1.52E-11	Mcy	STAT6
CTSB.3	1.04E-15	0.213939	0.978	0.751	1.55E-11	Mcy	CTSB
TTL7.6	1.11E-15	-0.56719	0.029	0.242	1.65E-11	Mcy	TTL7
PSMA4.2	1.18E-15	0.314482	0.747	0.532	1.77E-11	Mcy	PSMA4
SLC37A4.1	1.19E-15	0.38522	0.271	0.117	1.78E-11	Mcy	SLC37A4
RFC2.2	1.23E-15	0.32213	0.443	0.237	1.83E-11	Mcy	RFC2
S100A11.6	1.23E-15	0.233606	0.978	0.65	1.83E-11	Mcy	S100A11
AIM1.3	1.34E-15	0.111433	0.125	0.033	2.00E-11	Mcy	AIM1
PYGL.5	1.36E-15	0.290375	0.388	0.187	2.03E-11	Mcy	PYGL
MAGEH1.5	1.43E-15	-0.65764	0.103	0.323	2.13E-11	Mcy	MAGEH1
POLD3.1	1.48E-15	0.304633	0.234	0.093	2.21E-11	Mcy	POLD3
CD37.6	1.52E-15	0.162109	0.623	0.293	2.27E-11	Mcy	CD37
HSPB11.3	1.60E-15	0.359224	0.527	0.323	2.40E-11	Mcy	HSPB11
SPRY1.5	1.75E-15	-0.66686	0.033	0.237	2.62E-11	Mcy	SPRY1
TGFBR1.6	1.78E-15	0.256979	0.348	0.157	2.66E-11	Mcy	TGFBR1
APP.5	1.78E-15	-0.53027	0.344	0.529	2.67E-11	Mcy	APP
RP11-452F	1.81E-15	0.299705	0.289	0.123	2.70E-11	Mcy	RP11-452F19.3
PLA2G15.5	1.87E-15	0.257501	0.308	0.134	2.80E-11	Mcy	PLA2G15
ADPGK.6	1.98E-15	0.265817	0.48	0.256	2.97E-11	Mcy	ADPGK
DHRS4.3	1.99E-15	0.275411	0.212	0.078	2.97E-11	Mcy	DHRS4
EFEMP2.4	2.02E-15	-0.53394	0.018	0.219	3.01E-11	Mcy	EFEMP2
EPB41L2.4	2.04E-15	0.286762	0.538	0.305	3.04E-11	Mcy	EPB41L2
AGPAT2.6	2.09E-15	0.288161	0.359	0.175	3.12E-11	Mcy	AGPAT2
NINJ1.6	2.11E-15	0.325768	0.703	0.446	3.15E-11	Mcy	NINJ1
LARP6.5	2.14E-15	-0.52629	0.004	0.197	3.20E-11	Mcy	LARP6
KDELC2	2.15E-15	0.245591	0.198	0.071	3.22E-11	Mcy	KDELC2
C17orf53	2.16E-15	0.141087	0.081	0.016	3.23E-11	Mcy	C17orf53
DSEL.6	2.22E-15	-0.56665	0.026	0.23	3.32E-11	Mcy	DSEL
GRB2.6	2.23E-15	0.301472	0.711	0.475	3.33E-11	Mcy	GRB2
ETV1.6	2.24E-15	-0.6252	0.04	0.249	3.35E-11	Mcy	ETV1
MCMBP.4	2.48E-15	0.301037	0.308	0.141	3.71E-11	Mcy	MCMBP
RHN01.3	2.49E-15	0.337344	0.374	0.191	3.72E-11	Mcy	RHN01
TRIM9.5	2.62E-15	-0.51248	0.029	0.237	3.91E-11	Mcy	TRIM9
THRA.4	2.64E-15	-0.57395	0.037	0.244	3.95E-11	Mcy	THRA

PMVK. 2	2. 65E-15	0. 278569	0. 659	0. 432	3. 96E-11 Mcy	PMVK
HLA-A. 4	2. 77E-15	-0. 30679	0. 945	0. 895	4. 14E-11 Mcy	HLA-A
ADCY7. 6	3. 28E-15	0. 212878	0. 183	0. 06	4. 91E-11 Mcy	ADCY7
MVP. 4	3. 32E-15	0. 352582	0. 421	0. 221	4. 96E-11 Mcy	MVP
EGFR. 5	3. 33E-15	-0. 70058	0. 088	0. 305	4. 98E-11 Mcy	EGFR
ANG. 4	3. 35E-15	0. 243071	0. 22	0. 081	5. 00E-11 Mcy	ANG
GPRC5B. 4	3. 36E-15	-0. 56202	0. 022	0. 223	5. 02E-11 Mcy	GPRC5B
CAPZA1. 6	3. 49E-15	0. 342005	0. 586	0. 388	5. 22E-11 Mcy	CAPZA1
GPRIN3. 6	3. 66E-15	0. 211062	0. 172	0. 056	5. 47E-11 Mcy	GPRIN3
MAPK10. 5	3. 81E-15	-0. 51496	0. 007	0. 199	5. 70E-11 Mcy	MAPK10
FKBP10. 6	3. 84E-15	-0. 51421	0. 018	0. 217	5. 74E-11 Mcy	FKBP10
USB1. 4	3. 86E-15	0. 315801	0. 418	0. 225	5. 77E-11 Mcy	USB1
LRRC8C. 5	3. 87E-15	0. 185049	0. 172	0. 056	5. 79E-11 Mcy	LRRC8C
ADAMTSL4. 3	3. 96E-15	0. 150234	0. 092	0. 02	5. 92E-11 Mcy	ADAMTSL4
RAB32. 6	4. 07E-15	0. 315369	0. 44	0. 234	6. 09E-11 Mcy	RAB32
CEBPA. 5	4. 18E-15	0. 245722	0. 256	0. 1	6. 25E-11 Mcy	CEBPA
CNIH4. 4	4. 23E-15	0. 334574	0. 59	0. 368	6. 32E-11 Mcy	CNIH4
FKBP15. 5	4. 43E-15	0. 337681	0. 3	0. 134	6. 63E-11 Mcy	FKBP15
TM7SF2. 5	4. 49E-15	-0. 53256	0. 033	0. 235	6. 71E-11 Mcy	TM7SF2
ITM2B. 4	4. 58E-15	-0. 24463	0. 788	0. 799	6. 85E-11 Mcy	ITM2B
HSPA8. 4	4. 64E-15	-0. 26385	0. 886	0. 865	6. 93E-11 Mcy	HSPA8
SBDS. 6	4. 71E-15	-0. 52515	0. 462	0. 613	7. 04E-11 Mcy	SBDS
PBK. 6	4. 85E-15	0. 353841	0. 198	0. 07	7. 25E-11 Mcy	PBK
CST6. 2	4. 94E-15	0. 150135	0. 073	0. 014	7. 38E-11 Mcy	CST6
COR07. 6	4. 97E-15	0. 269645	0. 337	0. 154	7. 43E-11 Mcy	COR07
MESDC2. 2	5. 07E-15	0. 252987	0. 626	0. 399	7. 58E-11 Mcy	MESDC2
HLA-DPA1. 5	5. 26E-15	0. 179259	0. 919	0. 524	7. 87E-11 Mcy	HLA-DPA1
NCKAP1. 4	5. 65E-15	-0. 41316	0. 004	0. 193	8. 45E-11 Mcy	NCKAP1
KHDRBS3. 6	5. 82E-15	-0. 51842	0. 022	0. 219	8. 70E-11 Mcy	KHDRBS3
SEMA6A. 5	5. 84E-15	-0. 47137	0. 011	0. 204	8. 73E-11 Mcy	SEMA6A
SLAIN1. 6	5. 95E-15	-0. 5882	0. 015	0. 207	8. 90E-11 Mcy	SLAIN1
ADRB2. 4	6. 04E-15	0. 198707	0. 147	0. 043	9. 03E-11 Mcy	ADRB2
UBL7-AS1	6. 20E-15	0. 333894	0. 161	0. 054	9. 27E-11 Mcy	UBL7-AS1
SCO2. 6	6. 26E-15	0. 380922	0. 396	0. 207	9. 36E-11 Mcy	SCO2
OXA1L. 5	6. 76E-15	0. 211226	0. 531	0. 296	1. 01E-10 Mcy	OXA1L
PPP2R2B. 5	6. 83E-15	-0. 59012	0. 026	0. 223	1. 02E-10 Mcy	PPP2R2B
TAF7. 5	7. 00E-15	-0. 5251	0. 366	0. 558	1. 05E-10 Mcy	TAF7
CLIP3. 5	7. 01E-15	-0. 50409	0. 011	0. 202	1. 05E-10 Mcy	CLIP3
RBFOX2. 5	7. 05E-15	-0. 52287	0. 022	0. 221	1. 05E-10 Mcy	RBFOX2
SUCLG2. 4	7. 33E-15	0. 291508	0. 443	0. 24	1. 10E-10 Mcy	SUCLG2
OLR1. 6	7. 79E-15	0. 167345	0. 527	0. 244	1. 16E-10 Mcy	OLR1
PCDH17. 4	8. 14E-15	-0. 49499	0. 007	0. 196	1. 22E-10 Mcy	PCDH17
ASCL1. 5	8. 38E-15	-0. 60451	0. 004	0. 19	1. 25E-10 Mcy	ASCL1
LYPD1. 4	8. 55E-15	-0. 56632	0. 011	0. 2	1. 28E-10 Mcy	LYPD1
PTGR1. 2	9. 25E-15	0. 321605	0. 355	0. 181	1. 38E-10 Mcy	PTGR1
CD1D. 4	9. 36E-15	0. 135414	0. 128	0. 035	1. 40E-10 Mcy	CD1D
PSMD7. 3	9. 56E-15	0. 308786	0. 703	0. 485	1. 43E-10 Mcy	PSMD7
SMARCD3. 5	9. 73E-15	-0. 48185	0. 037	0. 236	1. 45E-10 Mcy	SMARCD3
SEPT6. 5	9. 95E-15	0. 249607	0. 348	0. 162	1. 49E-10 Mcy	6-Sep
UNC93B1. 6	1. 02E-14	0. 281911	0. 399	0. 196	1. 52E-10 Mcy	UNC93B1
RUFY3. 5	1. 04E-14	-0. 53499	0. 095	0. 31	1. 55E-10 Mcy	RUFY3

TMEM14B. 2	1. 04E-14	0. 25562	0. 758	0. 52	1. 55E-10 Mcy	TMEM14B
NUP214. 5	1. 05E-14	0. 26669	0. 381	0. 191	1. 56E-10 Mcy	NUP214
NREP. 5	1. 08E-14	-0. 5857	0. 07	0. 277	1. 62E-10 Mcy	NREP
ECE2	1. 15E-14	0. 27634	0. 161	0. 054	1. 72E-10 Mcy	ECE2
IL2RA. 4	1. 15E-14	0. 292224	0. 114	0. 03	1. 72E-10 Mcy	IL2RA
P2RX4. 5	1. 17E-14	0. 297022	0. 363	0. 172	1. 75E-10 Mcy	P2RX4
VDR. 2	1. 19E-14	0. 149963	0. 073	0. 014	1. 77E-10 Mcy	VDR
ERI2	1. 19E-14	0. 261793	0. 154	0. 05	1. 78E-10 Mcy	ERI2
RCBTB2. 5	1. 20E-14	0. 263865	0. 311	0. 138	1. 79E-10 Mcy	RCBTB2
PAPSS2. 3	1. 20E-14	0. 203942	0. 092	0. 021	1. 79E-10 Mcy	PAPSS2
YWHAE. 5	1. 20E-14	-0. 21507	0. 78	0. 751	1. 80E-10 Mcy	YWHAE
HSP90AB1. 1	1. 21E-14	-0. 21364	0. 842	0. 82	1. 81E-10 Mcy	HSP90AB1
MSN. 6	1. 22E-14	0. 310085	0. 59	0. 37	1. 82E-10 Mcy	MSN
GRK6. 3	1. 22E-14	0. 344395	0. 286	0. 132	1. 82E-10 Mcy	GRK6
MYL6. 5	1. 24E-14	-0. 17862	0. 978	0. 941	1. 85E-10 Mcy	MYL6
TMEM220. 4	1. 30E-14	0. 230504	0. 187	0. 066	1. 95E-10 Mcy	TMEM220
SIPA1. 6	1. 31E-14	0. 260894	0. 304	0. 135	1. 95E-10 Mcy	SIPA1
TGOLN2. 6	1. 33E-14	0. 301346	0. 586	0. 367	1. 98E-10 Mcy	TGOLN2
PPT1. 5	1. 36E-14	0. 268092	0. 773	0. 55	2. 03E-10 Mcy	PPT1
SV2A. 4	1. 37E-14	-0. 42747	0. 015	0. 206	2. 04E-10 Mcy	SV2A
ZNF367	1. 37E-14	0. 150732	0. 106	0. 027	2. 05E-10 Mcy	ZNF367
CTSD. 5	1. 43E-14	0. 252008	0. 872	0. 634	2. 14E-10 Mcy	CTSD
CLEC12A. 3	1. 45E-14	0. 161719	0. 084	0. 018	2. 16E-10 Mcy	CLEC12A
PIF1. 2	1. 46E-14	0. 253801	0. 15	0. 048	2. 18E-10 Mcy	PIF1
ST6GAL1. 4	1. 47E-14	0. 206021	0. 267	0. 106	2. 20E-10 Mcy	ST6GAL1
EMG1. 2	1. 58E-14	0. 305242	0. 421	0. 23	2. 36E-10 Mcy	EMG1
CALM2. 5	1. 58E-14	-0. 19688	0. 971	0. 931	2. 36E-10 Mcy	CALM2
CALM1. 6	1. 60E-14	-0. 26042	0. 791	0. 771	2. 38E-10 Mcy	CALM1
CARD8. 5	1. 63E-14	0. 271334	0. 315	0. 145	2. 43E-10 Mcy	CARD8
MYOF. 3	1. 63E-14	0. 183026	0. 139	0. 042	2. 44E-10 Mcy	MYOF
GSTA4. 5	1. 69E-14	-0. 60125	0. 084	0. 295	2. 53E-10 Mcy	GSTA4
AGT. 4	1. 75E-14	-0. 73551	0. 029	0. 224	2. 61E-10 Mcy	AGT
PIK3CD. 3	1. 79E-14	0. 198209	0. 11	0. 029	2. 67E-10 Mcy	PIK3CD
TMEM107. 1	1. 81E-14	0. 295624	0. 407	0. 213	2. 71E-10 Mcy	TMEM107
RAP1A. 6	1. 82E-14	0. 257249	0. 751	0. 51	2. 72E-10 Mcy	RAP1A
MYEF2. 5	1. 94E-14	-0. 42321	0. 011	0. 198	2. 91E-10 Mcy	MYEF2
CD40. 6	1. 96E-14	0. 220537	0. 187	0. 064	2. 93E-10 Mcy	CD40
CNTRL. 5	1. 98E-14	0. 250063	0. 267	0. 115	2. 96E-10 Mcy	CNTRL
MRE11A. 1	1. 99E-14	0. 207259	0. 158	0. 052	2. 97E-10 Mcy	MRE11A
CASP10. 2	2. 06E-14	0. 133964	0. 099	0. 024	3. 08E-10 Mcy	CASP10
BORA	2. 09E-14	0. 225281	0. 11	0. 029	3. 12E-10 Mcy	BORA
KDELR1. 2	2. 11E-14	0. 300941	0. 729	0. 487	3. 16E-10 Mcy	KDELR1
NUTM2A-AS	2. 47E-14	0. 321752	0. 278	0. 124	3. 70E-10 Mcy	NUTM2A-AS1
FNDC4. 4	2. 65E-14	-0. 43678	0. 015	0. 202	3. 96E-10 Mcy	FNDC4
MAGI1. 6	2. 66E-14	-0. 50932	0. 015	0. 202	3. 97E-10 Mcy	MAGI1
BCAN. 6	2. 70E-14	-0. 7874	0. 077	0. 28	4. 04E-10 Mcy	BCAN
ISG15. 4	2. 79E-14	0. 312744	0. 579	0. 351	4. 16E-10 Mcy	ISG15
VASP. 6	2. 80E-14	0. 257121	0. 436	0. 235	4. 19E-10 Mcy	VASP
HIST1H2BJ	2. 89E-14	0. 183893	0. 081	0. 017	4. 33E-10 Mcy	HIST1H2BJ
LHFPL2. 5	2. 90E-14	0. 261655	0. 337	0. 156	4. 33E-10 Mcy	LHFPL2
BCKDK. 6	2. 91E-14	0. 28758	0. 516	0. 309	4. 35E-10 Mcy	BCKDK



TMEM19.4	3.01E-14	0.275185	0.315	0.149	4.50E-10 Mcy	TMEM19
REEP2.4	3.03E-14	-0.43118	0.018	0.206	4.53E-10 Mcy	REEP2
PRPS1.3	3.07E-14	0.33762	0.366	0.186	4.59E-10 Mcy	PRPS1
CDK2AP2.4	3.10E-14	0.376802	0.535	0.324	4.63E-10 Mcy	CDK2AP2
LMO4.6	3.11E-14	-0.59086	0.315	0.482	4.65E-10 Mcy	LMO4
GIMAP2.5	3.13E-14	0.221815	0.201	0.074	4.67E-10 Mcy	GIMAP2
MEX3A.5	3.32E-14	-0.49041	0.004	0.182	4.96E-10 Mcy	MEX3A
ITGB8.4	3.32E-14	-0.50296	0.048	0.244	4.97E-10 Mcy	ITGB8
ARC.4	3.36E-14	-0.68383	0.026	0.212	5.03E-10 Mcy	ARC
RHBDF2.6	3.56E-14	0.230512	0.377	0.173	5.32E-10 Mcy	RHBDF2
FAR2.3	3.86E-14	0.131547	0.161	0.053	5.77E-10 Mcy	FAR2
HSD11B1L.3	3.87E-14	-0.45597	0.022	0.209	5.78E-10 Mcy	HSD11B1L
MINOS1.4	4.10E-14	0.229436	0.853	0.634	6.12E-10 Mcy	MINOS1
CD302.6	4.13E-14	0.195742	0.407	0.2	6.18E-10 Mcy	CD302
PDK4.5	4.16E-14	0.179357	0.37	0.165	6.21E-10 Mcy	PDK4
C7orf55.5	4.22E-14	-0.61476	0.227	0.428	6.30E-10 Mcy	C7orf55
KCTD9.1	4.32E-14	0.253926	0.158	0.053	6.45E-10 Mcy	KCTD9
FJX1.5	4.39E-14	-0.51048	0.018	0.206	6.56E-10 Mcy	FJX1
PRRX1.6	4.52E-14	-0.46563	0	0.175	6.76E-10 Mcy	PRRX1
RAB13.5	4.54E-14	0.193359	0.615	0.366	6.78E-10 Mcy	RAB13
CALM3.5	4.66E-14	0.300554	0.817	0.587	6.97E-10 Mcy	CALM3
PCBD1.2	4.83E-14	0.283704	0.535	0.326	7.22E-10 Mcy	PCBD1
CSE1L.5	4.88E-14	0.328369	0.396	0.218	7.29E-10 Mcy	CSE1L
SUV39H1.4	4.89E-14	0.215283	0.117	0.033	7.31E-10 Mcy	SUV39H1
GAS6.5	5.27E-14	0.278687	0.403	0.2	7.87E-10 Mcy	GAS6
SMC3.4	5.38E-14	0.352039	0.473	0.281	8.04E-10 Mcy	SMC3
CHD7.6	5.38E-14	-0.54616	0.084	0.294	8.04E-10 Mcy	CHD7
TNFSF10.3	5.39E-14	0.185584	0.198	0.071	8.06E-10 Mcy	TNFSF10
SRPX.5	5.47E-14	-0.57191	0.004	0.181	8.18E-10 Mcy	SRPX
CHCHD2.4	5.49E-14	-0.18659	0.93	0.879	8.20E-10 Mcy	CHCHD2
BOLA3.3	5.72E-14	0.335136	0.535	0.331	8.55E-10 Mcy	BOLA3
MTHFS.4	5.79E-14	0.219291	0.366	0.185	8.66E-10 Mcy	MTHFS
ARL2.3	6.09E-14	0.245412	0.67	0.433	9.10E-10 Mcy	ARL2
SPTBN1.4	6.40E-14	-0.52008	0.073	0.279	9.56E-10 Mcy	SPTBN1
MYO1G.6	6.51E-14	0.189258	0.172	0.058	9.72E-10 Mcy	MYO1G
MBD4.4	6.68E-14	0.325014	0.458	0.259	9.99E-10 Mcy	MBD4
BMP2K.4	7.21E-14	0.254001	0.267	0.113	1.08E-09 Mcy	BMP2K
OSCAR.6	7.49E-14	0.209526	0.194	0.07	1.12E-09 Mcy	OSCAR
CHAC2.7	7.71E-14	0.179892	0.139	0.044	1.15E-09 Mcy	CHAC2
ERP29.3	8.08E-14	0.215972	0.832	0.606	1.21E-09 Mcy	ERP29
NAT1.1	8.15E-14	0.113325	0.088	0.02	1.22E-09 Mcy	NAT1
GLIPR2.5	8.25E-14	0.378859	0.465	0.264	1.23E-09 Mcy	GLIPR2
CUTC.1	8.37E-14	0.211685	0.275	0.122	1.25E-09 Mcy	CUTC
PHYHIPL.4	9.37E-14	-0.60103	0.011	0.189	1.40E-09 Mcy	PHYHIPL
FDPS.4	1.02E-13	0.257661	0.63	0.411	1.52E-09 Mcy	FDPS
TGFBR2.5	1.02E-13	0.267573	0.264	0.113	1.52E-09 Mcy	TGFBR2
CCL5.3	1.03E-13	0.135739	0.161	0.053	1.54E-09 Mcy	CCL5
UBE2A.2	1.04E-13	0.248877	0.63	0.417	1.56E-09 Mcy	UBE2A
PSMG2.2	1.10E-13	0.325587	0.612	0.407	1.64E-09 Mcy	PSMG2
HAT1.1	1.10E-13	0.330541	0.491	0.292	1.65E-09 Mcy	HAT1
TMEM71.1	1.11E-13	0.1427	0.095	0.023	1.66E-09 Mcy	TMEM71

SSR3. 6	1. 31E-13	0. 229577	0. 762	0. 521	1. 96E-09 Mcy	SSR3
DBNL. 6	1. 34E-13	0. 265998	0. 634	0. 42	2. 00E-09 Mcy	DBNL
ANAPC16. 4	1. 38E-13	0. 211591	0. 758	0. 52	2. 06E-09 Mcy	ANAPC16
PTPN1. 5	1. 39E-13	0. 323623	0. 41	0. 228	2. 08E-09 Mcy	PTPN1
IP6K2. 5	1. 43E-13	-0. 57525	0. 238	0. 439	2. 14E-09 Mcy	IP6K2
CHST12. 4	1. 47E-13	-0. 45832	0. 051	0. 25	2. 19E-09 Mcy	CHST12
AP000439. 1	1. 55E-13	0. 184688	0. 099	0. 025	2. 31E-09 Mcy	AP000439. 1
IL1RL2. 1	1. 56E-13	0. 152147	0. 037	0. 004	2. 33E-09 Mcy	IL1RL2
ATP6VOD1. 1	1. 57E-13	0. 262781	0. 733	0. 505	2. 34E-09 Mcy	ATP6VOD1
C4orf46. 1	1. 59E-13	0. 28754	0. 19	0. 073	2. 37E-09 Mcy	C4orf46
ANXA7. 5	1. 59E-13	0. 249941	0. 549	0. 334	2. 38E-09 Mcy	ANXA7
MTHFD1. 3	1. 65E-13	0. 286538	0. 348	0. 183	2. 47E-09 Mcy	MTHFD1
C12orf57. 1	1. 72E-13	-0. 59928	0. 366	0. 541	2. 57E-09 Mcy	C12orf57
CADM2. 5	1. 77E-13	-0. 53928	0. 015	0. 192	2. 65E-09 Mcy	CADM2
RHOBTB3. 6	1. 78E-13	-0. 54737	0. 212	0. 413	2. 66E-09 Mcy	RHOBTB3
ZDHHC6. 2	1. 81E-13	0. 235039	0. 33	0. 164	2. 71E-09 Mcy	ZDHHC6
MEIS2. 5	1. 82E-13	-0. 50388	0. 026	0. 208	2. 72E-09 Mcy	MEIS2
GSTM3. 4	1. 86E-13	-0. 56928	0. 073	0. 273	2. 78E-09 Mcy	GSTM3
RPN1. 3	1. 87E-13	0. 287665	0. 623	0. 405	2. 80E-09 Mcy	RPN1
SPPL2A. 6	1. 89E-13	0. 268167	0. 355	0. 18	2. 83E-09 Mcy	SPPL2A
ATP6V1C1. 1	1. 90E-13	0. 274057	0. 429	0. 239	2. 83E-09 Mcy	ATP6V1C1
CENPQ. 1	1. 90E-13	0. 264609	0. 227	0. 096	2. 84E-09 Mcy	CENPQ
TNFAIP8L3. 2	2. 04E-13	0. 124899	0. 103	0. 027	3. 05E-09 Mcy	TNFAIP8L3
RPP25. 1	2. 13E-13	0. 174696	0. 103	0. 027	3. 18E-09 Mcy	RPP25
SUB1. 4	2. 30E-13	-0. 26903	0. 773	0. 756	3. 44E-09 Mcy	SUB1
IRAK1. 4	2. 33E-13	0. 326441	0. 311	0. 154	3. 48E-09 Mcy	IRAK1
SNRPC. 2	2. 36E-13	0. 221763	0. 725	0. 507	3. 52E-09 Mcy	SNRPC
NR4A1. 6	2. 38E-13	0. 192371	0. 52	0. 267	3. 55E-09 Mcy	NR4A1
DERA. 2	2. 44E-13	0. 22873	0. 443	0. 247	3. 64E-09 Mcy	DERA
CD63. 5	2. 44E-13	-0. 2867	0. 956	0. 924	3. 65E-09 Mcy	CD63
SNRPA1. 4	2. 46E-13	0. 318144	0. 487	0. 29	3. 68E-09 Mcy	SNRPA1
ASPH. 3	2. 52E-13	0. 302106	0. 454	0. 273	3. 77E-09 Mcy	ASPH
CALHM2. 4	2. 59E-13	0. 214123	0. 165	0. 057	3. 87E-09 Mcy	CALHM2
HLA-E. 6	2. 76E-13	0. 225308	0. 879	0. 589	4. 12E-09 Mcy	HLA-E
PSMA5. 2	2. 86E-13	0. 297143	0. 641	0. 438	4. 28E-09 Mcy	PSMA5
LSM2. 3	2. 90E-13	0. 287525	0. 667	0. 442	4. 33E-09 Mcy	LSM2
F2R. 6	2. 90E-13	-0. 38709	0. 004	0. 173	4. 34E-09 Mcy	F2R
AQP9. 2	2. 97E-13	0. 148266	0. 103	0. 027	4. 44E-09 Mcy	AQP9
MAPK8IP1. 3	3. 11E-13	-0. 46964	0. 018	0. 195	4. 65E-09 Mcy	MAPK8IP1
OASL. 2	3. 38E-13	0. 156673	0. 103	0. 027	5. 05E-09 Mcy	OASL
EIF4EBP2. 3	3. 43E-13	0. 252883	0. 293	0. 137	5. 12E-09 Mcy	EIF4EBP2
PARP9. 1	3. 43E-13	0. 25802	0. 333	0. 166	5. 13E-09 Mcy	PARP9
RP11-536K. 3	3. 45E-13	0. 175535	0. 121	0. 035	5. 16E-09 Mcy	RP11-536K7. 3
CTSF. 5	3. 47E-13	-0. 48892	0. 077	0. 274	5. 19E-09 Mcy	CTSF
ITGAE. 1	3. 52E-13	0. 382378	0. 564	0. 36	5. 27E-09 Mcy	ITGAE
ROB01. 6	3. 65E-13	-0. 42525	0. 011	0. 182	5. 46E-09 Mcy	ROB01
ATP6V1B2. 3	3. 78E-13	0. 264711	0. 626	0. 403	5. 65E-09 Mcy	ATP6V1B2
CCDC57. 6	3. 84E-13	0. 329207	0. 242	0. 104	5. 74E-09 Mcy	CCDC57
NUP93. 2	3. 86E-13	0. 292173	0. 344	0. 177	5. 77E-09 Mcy	NUP93
NR2F1. 3	3. 87E-13	-0. 38799	0. 004	0. 169	5. 78E-09 Mcy	NR2F1
TANGO2. 6	3. 92E-13	0. 181853	0. 209	0. 082	5. 86E-09 Mcy	TANGO2

FAM72B. 1	4. 07E-13	0. 102789	0. 084	0. 02	6. 08E-09	Mcy	FAM72B
NUTF2. 2	4. 24E-13	0. 262254	0. 637	0. 445	6. 33E-09	Mcy	NUTF2
CTXN1. 6	4. 26E-13	-0. 3715	0	0. 163	6. 36E-09	Mcy	CTXN1
DKK3. 4	4. 38E-13	-0. 44195	0. 026	0. 204	6. 54E-09	Mcy	DKK3
DDX11	4. 41E-13	0. 25157	0. 147	0. 049	6. 59E-09	Mcy	DDX11
MTX1. 1	4. 42E-13	0. 327005	0. 418	0. 241	6. 60E-09	Mcy	MTX1
SNRPA. 2	4. 63E-13	0. 29745	0. 436	0. 248	6. 92E-09	Mcy	SNRPA
DCTPP1. 3	4. 69E-13	0. 309583	0. 513	0. 326	7. 01E-09	Mcy	DCTPP1
PHF14. 5	4. 71E-13	-0. 5139	0. 234	0. 427	7. 04E-09	Mcy	PHF14
PGD. 4	4. 76E-13	0. 278643	0. 491	0. 288	7. 11E-09	Mcy	PGD
PGP. 3	4. 82E-13	0. 356185	0. 388	0. 215	7. 21E-09	Mcy	PGP
DCX. 6	4. 84E-13	-0. 62986	0. 033	0. 208	7. 24E-09	Mcy	DCX
LSAMP. 4	4. 96E-13	-0. 52808	0. 007	0. 176	7. 41E-09	Mcy	LSAMP
DNP1. 3	4. 96E-13	0. 320346	0. 582	0. 372	7. 42E-09	Mcy	DNP1
STIL	4. 97E-13	0. 175034	0. 077	0. 017	7. 42E-09	Mcy	STIL
PGAP1. 5	5. 00E-13	-0. 4133	0. 015	0. 187	7. 47E-09	Mcy	PGAP1
NPAS3. 6	5. 03E-13	-0. 40392	0	0. 162	7. 51E-09	Mcy	NPAS3
BNC2. 2	5. 05E-13	0. 110846	0. 095	0. 024	7. 55E-09	Mcy	BNC2
IMPDH2. 6	5. 32E-13	0. 261654	0. 626	0. 411	7. 95E-09	Mcy	IMPDH2
APOBR. 5	5. 69E-13	0. 226236	0. 121	0. 036	8. 51E-09	Mcy	APOBR
HIST1H3H	5. 74E-13	0. 107288	0. 026	0. 002	8. 57E-09	Mcy	HIST1H3H
PSMA3. 4	5. 78E-13	0. 265132	0. 637	0. 436	8. 64E-09	Mcy	PSMA3
DTX3. 3	5. 82E-13	-0. 57761	0. 07	0. 26	8. 70E-09	Mcy	DTX3
HOPX. 5	5. 89E-13	-0. 91978	0. 106	0. 286	8. 80E-09	Mcy	HOPX
SEPHS1. 3	5. 99E-13	0. 353864	0. 242	0. 11	8. 95E-09	Mcy	SEPHS1
CD320. 4	5. 99E-13	-0. 5224	0. 125	0. 322	8. 96E-09	Mcy	CD320
NUDT14. 6	6. 06E-13	0. 279746	0. 37	0. 188	9. 05E-09	Mcy	NUDT14
CR1. 1	6. 14E-13	0. 144608	0. 055	0. 01	9. 18E-09	Mcy	CR1
TOR1A. 3	6. 24E-13	0. 33991	0. 443	0. 257	9. 32E-09	Mcy	TOR1A
FERMT2. 6	6. 25E-13	-0. 44614	0. 029	0. 206	9. 34E-09	Mcy	FERMT2
FCN1. 2	6. 66E-13	0. 117418	0. 051	0. 008	9. 95E-09	Mcy	FCN1
ENSA. 4	6. 85E-13	0. 18441	0. 725	0. 495	1. 02E-08	Mcy	ENSA
CYB561A3.	6. 90E-13	0. 217141	0. 308	0. 147	1. 03E-08	Mcy	CYB561A3
CHMP4A. 5	6. 91E-13	0. 262539	0. 678	0. 463	1. 03E-08	Mcy	CHMP4A
SEMA6D. 6	7. 25E-13	-0. 43105	0	0. 161	1. 08E-08	Mcy	SEMA6D
SPOCD1. 4	7. 32E-13	-0. 79484	0. 04	0. 222	1. 09E-08	Mcy	SPOCD1
KDM5B. 5	7. 68E-13	-0. 40279	0. 004	0. 166	1. 15E-08	Mcy	KDM5B
KLC1. 6	7. 68E-13	-0. 55013	0. 172	0. 364	1. 15E-08	Mcy	KLC1
MAP2K1. 6	7. 82E-13	0. 271952	0. 458	0. 264	1. 17E-08	Mcy	MAP2K1
DAPP1. 5	7. 90E-13	0. 153907	0. 099	0. 026	1. 18E-08	Mcy	DAPP1
BSG. 6	8. 05E-13	-0. 30776	0. 74	0. 742	1. 20E-08	Mcy	BSG
NUP210. 1	8. 32E-13	0. 23215	0. 165	0. 06	1. 24E-08	Mcy	NUP210
COL9A3. 6	8. 47E-13	-0. 53906	0. 018	0. 19	1. 27E-08	Mcy	COL9A3
MT1G. 5	8. 53E-13	0. 46804	0. 271	0. 124	1. 28E-08	Mcy	MT1G
IL1B. 6	9. 09E-13	0. 257689	0. 425	0. 217	1. 36E-08	Mcy	IL1B
PRR7. 6	9. 18E-13	-0. 40413	0. 022	0. 192	1. 37E-08	Mcy	PRR7
CNIH3. 3	1. 02E-12	-0. 42336	0. 007	0. 172	1. 52E-08	Mcy	CNIH3
EGR1. 4	1. 02E-12	-0. 59202	0. 341	0. 5	1. 53E-08	Mcy	EGR1
TIMM8A. 2	1. 03E-12	0. 272671	0. 22	0. 095	1. 54E-08	Mcy	TIMM8A
BCHE. 4	1. 04E-12	-0. 44244	0. 018	0. 19	1. 56E-08	Mcy	BCHE
AGTRAP. 3	1. 05E-12	0. 278423	0. 469	0. 277	1. 57E-08	Mcy	AGTRAP

FSD1. 5	1. 13E-12	-0. 37483	0	0. 158	1. 69E-08 Mcy	FSD1
NUCB1. 5	1. 23E-12	0. 208796	0. 667	0. 44	1. 83E-08 Mcy	NUCB1
SNRNP40. 3	1. 23E-12	0. 300242	0. 509	0. 325	1. 84E-08 Mcy	SNRNP40
HMG5	1. 26E-12	0. 26034	0. 212	0. 088	1. 88E-08 Mcy	HMG5
BARD1. 5	1. 26E-12	0. 294958	0. 293	0. 143	1. 89E-08 Mcy	BARD1
TMEM161B-	1. 26E-12	-0. 62681	0. 106	0. 293	1. 89E-08 Mcy	TMEM161B-AS1
CSNK1E. 5	1. 29E-12	-0. 49284	0. 114	0. 311	1. 93E-08 Mcy	CSNK1E
F3. 6	1. 30E-12	-0. 51896	0. 026	0. 195	1. 94E-08 Mcy	F3
SOX8. 6	1. 31E-12	-0. 52343	0. 015	0. 181	1. 96E-08 Mcy	SOX8
PSME1. 5	1. 32E-12	0. 183269	0. 817	0. 578	1. 97E-08 Mcy	PSME1
MR1. 4	1. 36E-12	0. 158352	0. 212	0. 086	2. 03E-08 Mcy	MR1
HEPACAM. 5	1. 39E-12	-0. 5649	0. 015	0. 181	2. 08E-08 Mcy	HEPACAM
DNAJC1. 3	1. 40E-12	0. 27732	0. 344	0. 181	2. 10E-08 Mcy	DNAJC1
FCRLB	1. 40E-12	0. 11746	0. 095	0. 025	2. 10E-08 Mcy	FCRLB
RAC1. 3	1. 43E-12	-0. 16253	0. 769	0. 742	2. 13E-08 Mcy	RAC1
ASH2L. 3	1. 46E-12	0. 34772	0. 333	0. 173	2. 18E-08 Mcy	ASH2L
PHF11. 5	1. 48E-12	0. 210465	0. 293	0. 138	2. 21E-08 Mcy	PHF11
NQO2. 3	1. 50E-12	0. 306361	0. 429	0. 249	2. 24E-08 Mcy	NQO2
ARRB1. 5	1. 55E-12	0. 120168	0. 128	0. 039	2. 32E-08 Mcy	ARRB1
FAM229B. 5	1. 56E-12	-0. 49505	0. 099	0. 297	2. 33E-08 Mcy	FAM229B
FBX05. 3	1. 58E-12	0. 334987	0. 216	0. 093	2. 36E-08 Mcy	FBX05
CHL1. 4	1. 60E-12	-0. 42054	0	0. 156	2. 39E-08 Mcy	CHL1
FURIN. 4	1. 61E-12	0. 288985	0. 179	0. 069	2. 40E-08 Mcy	FURIN
ZFYVE19. 1	1. 63E-12	0. 279097	0. 234	0. 104	2. 44E-08 Mcy	ZFYVE19
DRAXIN. 5	1. 68E-12	-0. 40955	0	0. 156	2. 52E-08 Mcy	DRAXIN
CWF19L1	1. 81E-12	0. 183065	0. 139	0. 046	2. 71E-08 Mcy	CWF19L1
ZSCAN18. 4	1. 82E-12	-0. 47734	0. 055	0. 236	2. 71E-08 Mcy	ZSCAN18
WIPF1. 6	1. 85E-12	0. 203971	0. 407	0. 215	2. 77E-08 Mcy	WIPF1
ATP6VOE2. 1	1. 87E-12	-0. 51233	0. 297	0. 456	2. 79E-08 Mcy	ATP6VOE2
WDR1. 4	1. 88E-12	0. 235128	0. 626	0. 41	2. 81E-08 Mcy	WDR1
PTRF. 6	1. 88E-12	-0. 36019	0. 018	0. 189	2. 81E-08 Mcy	PTRF
PNISR. 3	1. 89E-12	-0. 37934	0. 502	0. 614	2. 83E-08 Mcy	PNISR
LRRC45. 4	1. 91E-12	0. 236022	0. 205	0. 086	2. 86E-08 Mcy	LRRC45
ZFH4. 6	1. 92E-12	-0. 36067	0	0. 155	2. 87E-08 Mcy	ZFH4
PPDPF. 2	1. 92E-12	-0. 24141	0. 725	0. 711	2. 87E-08 Mcy	PPDPF
SULT1A1. 4	1. 95E-12	0. 16608	0. 143	0. 047	2. 91E-08 Mcy	SULT1A1
PNPLA4. 3	1. 98E-12	0. 13123	0. 168	0. 06	2. 96E-08 Mcy	PNPLA4
XPNPEP1. 2	1. 99E-12	0. 296837	0. 286	0. 14	2. 97E-08 Mcy	XPNPEP1
PTGS2. 6	2. 01E-12	0. 128467	0. 168	0. 059	3. 01E-08 Mcy	PTGS2
SCLT1. 2	2. 02E-12	0. 368875	0. 172	0. 066	3. 01E-08 Mcy	SCLT1
SLC25A39. 2	2. 04E-12	0. 253157	0. 608	0. 4	3. 05E-08 Mcy	SLC25A39
TJP1. 4	2. 11E-12	-0. 38974	0. 018	0. 184	3. 15E-08 Mcy	TJP1
PLIN3. 3	2. 11E-12	0. 230106	0. 56	0. 353	3. 15E-08 Mcy	PLIN3
ATP1B2. 6	2. 16E-12	-0. 51189	0. 051	0. 237	3. 23E-08 Mcy	ATP1B2
DBI. 6	2. 18E-12	-0. 34669	0. 927	0. 841	3. 25E-08 Mcy	DBI
SMTN	2. 21E-12	0. 228097	0. 11	0. 032	3. 30E-08 Mcy	SMTN
SCIMP. 6	2. 21E-12	0. 233858	0. 205	0. 08	3. 31E-08 Mcy	SCIMP
RND2. 5	2. 25E-12	-0. 44111	0. 007	0. 167	3. 36E-08 Mcy	RND2
NRG1. 1	2. 28E-12	0. 179948	0. 092	0. 024	3. 41E-08 Mcy	NRG1
ZNF462. 6	2. 31E-12	-0. 43087	0. 015	0. 181	3. 45E-08 Mcy	ZNF462
CERS4. 5	2. 39E-12	-0. 38811	0. 029	0. 203	3. 56E-08 Mcy	CERS4

ATP5E. 3	2. 42E-12	-0. 15692	0. 971	0. 912	3. 62E-08 Mcy	ATP5E
CD5L	2. 46E-12	0. 167456	0. 033	0. 004	3. 67E-08 Mcy	CD5L
BLOC1S1. 3	2. 50E-12	0. 197853	0. 868	0. 643	3. 74E-08 Mcy	BLOC1S1
SDHB. 2	2. 50E-12	0. 363705	0. 623	0. 419	3. 74E-08 Mcy	SDHB
CD9. 2	2. 52E-12	-0. 68125	0. 443	0. 568	3. 77E-08 Mcy	CD9
FAM129B. 4	2. 55E-12	0. 40161	0. 179	0. 071	3. 80E-08 Mcy	FAM129B
PRDX2. 6	2. 55E-12	-0. 40098	0. 711	0. 701	3. 81E-08 Mcy	PRDX2
TUBGCP3. 2	2. 57E-12	0. 281698	0. 231	0. 102	3. 84E-08 Mcy	TUBGCP3
RNF144B. 5	2. 59E-12	0. 120109	0. 234	0. 095	3. 87E-08 Mcy	RNF144B
TCEAL2. 4	2. 60E-12	-0. 59953	0. 018	0. 183	3. 89E-08 Mcy	TCEAL2
LZIC. 1	2. 63E-12	0. 320606	0. 337	0. 179	3. 93E-08 Mcy	LZIC
CCL4. 5	2. 70E-12	0. 200027	0. 553	0. 319	4. 03E-08 Mcy	CCL4
BCCIP. 1	2. 83E-12	0. 283187	0. 341	0. 18	4. 23E-08 Mcy	BCCIP
GGCT. 5	2. 87E-12	0. 274617	0. 586	0. 382	4. 29E-08 Mcy	GGCT
POLR2J3. 5	2. 87E-12	-0. 42716	0. 136	0. 344	4. 29E-08 Mcy	POLR2J3
LILRB2. 6	2. 89E-12	0. 252682	0. 15	0. 051	4. 32E-08 Mcy	LILRB2
PLXNC1. 6	2. 96E-12	0. 226223	0. 172	0. 064	4. 43E-08 Mcy	PLXNC1
MAN1A1. 5	2. 98E-12	0. 152783	0. 139	0. 046	4. 45E-08 Mcy	MAN1A1
ZNF428. 6	3. 00E-12	-0. 44248	0. 465	0. 547	4. 48E-08 Mcy	ZNF428
MRPS25. 1	3. 05E-12	0. 302516	0. 436	0. 26	4. 56E-08 Mcy	MRPS25
MLH1. 2	3. 15E-12	0. 26384	0. 3	0. 149	4. 71E-08 Mcy	MLH1
GRIA3. 5	3. 20E-12	-0. 38075	0. 011	0. 172	4. 78E-08 Mcy	GRIA3
JAM3. 3	3. 25E-12	-0. 39134	0	0. 153	4. 85E-08 Mcy	JAM3
TUBB2A. 5	3. 31E-12	-0. 5516	0. 337	0. 481	4. 95E-08 Mcy	TUBB2A
C9orf142. 3	3. 42E-12	0. 299165	0. 568	0. 371	5. 11E-08 Mcy	C9orf142
LBR. 3	3. 51E-12	0. 253094	0. 407	0. 228	5. 25E-08 Mcy	LBR
GHITM. 5	3. 56E-12	0. 171883	0. 736	0. 518	5. 32E-08 Mcy	GHITM
TTC7A. 6	3. 61E-12	0. 192227	0. 187	0. 072	5. 39E-08 Mcy	TTC7A
PPM1M. 6	3. 84E-12	0. 15297	0. 187	0. 072	5. 73E-08 Mcy	PPM1M
NDRG4. 6	3. 87E-12	-0. 41157	0. 007	0. 164	5. 78E-08 Mcy	NDRG4
KLF11. 4	3. 94E-12	0. 156797	0. 121	0. 037	5. 88E-08 Mcy	KLF11
PGM2L1. 5	3. 99E-12	-0. 53561	0. 077	0. 26	5. 96E-08 Mcy	PGM2L1
STAT5A. 5	4. 07E-12	0. 132843	0. 147	0. 05	6. 08E-08 Mcy	STAT5A
ARPC5. 5	4. 12E-12	0. 230321	0. 875	0. 667	6. 15E-08 Mcy	ARPC5
SPN. 6	4. 18E-12	0. 180697	0. 154	0. 053	6. 25E-08 Mcy	SPN
TMC6. 6	4. 24E-12	0. 134351	0. 256	0. 108	6. 34E-08 Mcy	TMC6
POU3F3. 5	4. 25E-12	-0. 37962	0. 004	0. 158	6. 35E-08 Mcy	POU3F3
MUM1. 6	4. 33E-12	-0. 48772	0. 172	0. 368	6. 48E-08 Mcy	MUM1
FOXG1. 5	4. 34E-12	-0. 34921	0. 004	0. 157	6. 48E-08 Mcy	FOXG1
BCAR1. 4	4. 46E-12	-0. 39052	0. 015	0. 175	6. 66E-08 Mcy	BCAR1
SPARCL1. 5	4. 62E-12	-0. 70855	0. 168	0. 35	6. 90E-08 Mcy	SPARCL1
SF3A3. 2	4. 63E-12	0. 297212	0. 454	0. 282	6. 92E-08 Mcy	SF3A3
GLYCTK. 2	4. 67E-12	0. 144428	0. 099	0. 027	6. 98E-08 Mcy	GLYCTK
PCBD2. 1	4. 86E-12	0. 305627	0. 194	0. 081	7. 27E-08 Mcy	PCBD2
GLIPR1. 5	5. 01E-12	0. 142974	0. 568	0. 329	7. 48E-08 Mcy	GLIPR1
EZR. 4	5. 01E-12	0. 274844	0. 542	0. 337	7. 49E-08 Mcy	EZR
TMC8. 4	5. 24E-12	0. 123382	0. 128	0. 04	7. 83E-08 Mcy	TMC8
HLA-DRA. 5	5. 35E-12	0. 161713	0. 978	0. 625	7. 99E-08 Mcy	HLA-DRA
ACTL6A. 4	5. 37E-12	0. 268639	0. 429	0. 254	8. 02E-08 Mcy	ACTL6A
TELO2. 1	5. 37E-12	0. 233349	0. 267	0. 127	8. 03E-08 Mcy	TELO2
COMMD9. 4	5. 38E-12	0. 305735	0. 491	0. 305	8. 05E-08 Mcy	COMMD9

PSAT1. 5	5. 45E-12	-0. 51759	0. 037	0. 207	8. 14E-08 Mcy	PSAT1
TPRG1-AS1	5. 65E-12	0. 107614	0. 059	0. 011	8. 45E-08 Mcy	TPRG1-AS1
RBM47. 6	5. 77E-12	0. 195719	0. 256	0. 113	8. 63E-08 Mcy	RBM47
NUP98	5. 93E-12	0. 212321	0. 22	0. 094	8. 86E-08 Mcy	NUP98
S100A10. 6	6. 11E-12	0. 202188	0. 813	0. 538	9. 13E-08 Mcy	S100A10
KIF3A. 4	6. 32E-12	-0. 49519	0. 062	0. 238	9. 45E-08 Mcy	KIF3A
DCLK2. 6	6. 40E-12	-0. 40257	0. 033	0. 2	9. 57E-08 Mcy	DCLK2
NUP50. 3	6. 46E-12	0. 267766	0. 245	0. 114	9. 65E-08 Mcy	NUP50
MITF. 5	6. 51E-12	0. 156112	0. 22	0. 091	9. 73E-08 Mcy	MITF
SNX8. 5	6. 82E-12	0. 234749	0. 293	0. 143	1. 02E-07 Mcy	SNX8
SMAD1. 4	7. 25E-12	-0. 37939	0. 018	0. 181	1. 08E-07 Mcy	SMAD1
HAUS7	7. 31E-12	0. 28679	0. 209	0. 088	1. 09E-07 Mcy	HAUS7
GLRX. 5	7. 45E-12	0. 171523	0. 634	0. 382	1. 11E-07 Mcy	GLRX
ZNF302. 5	7. 58E-12	-0. 47835	0. 114	0. 319	1. 13E-07 Mcy	ZNF302
TMEM132A. 7	6. 9E-12	-0. 32799	0	0. 148	1. 15E-07 Mcy	TMEM132A
ACOT9. 6	7. 70E-12	0. 203409	0. 341	0. 178	1. 15E-07 Mcy	ACOT9
TMEM219. 5	7. 81E-12	0. 205908	0. 795	0. 555	1. 17E-07 Mcy	TMEM219
ZEB1. 6	7. 97E-12	-0. 40519	0. 029	0. 196	1. 19E-07 Mcy	ZEB1
FMN1. 5	8. 07E-12	0. 104373	0. 106	0. 031	1. 21E-07 Mcy	FMN1
TNFAIP3. 6	8. 17E-12	0. 20949	0. 33	0. 159	1. 22E-07 Mcy	TNFAIP3
C2. 4	8. 22E-12	0. 230452	0. 253	0. 112	1. 23E-07 Mcy	C2
GALNT6. 2	8. 23E-12	0. 213592	0. 099	0. 028	1. 23E-07 Mcy	GALNT6
LRCH4. 6	8. 33E-12	0. 24245	0. 355	0. 184	1. 25E-07 Mcy	LRCH4
SFT2D1. 6	8. 47E-12	0. 228575	0. 722	0. 496	1. 27E-07 Mcy	SFT2D1
FGD4. 6	8. 48E-12	0. 174607	0. 304	0. 143	1. 27E-07 Mcy	FGD4
FAIM2. 5	8. 56E-12	-0. 5226	0. 029	0. 195	1. 28E-07 Mcy	FAIM2
HADHA. 3	8. 56E-12	0. 267692	0. 641	0. 437	1. 28E-07 Mcy	HADHA
RAB1B. 2	8. 60E-12	0. 319969	0. 399	0. 232	1. 29E-07 Mcy	RAB1B
PDCD4. 6	8. 71E-12	0. 17719	0. 304	0. 145	1. 30E-07 Mcy	PDCD4
HNRNPF. 4	9. 10E-12	0. 20796	0. 7	0. 504	1. 36E-07 Mcy	HNRNPF
CTNND2. 5	9. 19E-12	-0. 37293	0. 007	0. 161	1. 37E-07 Mcy	CTNND2
DCP2. 4	9. 34E-12	0. 269466	0. 293	0. 147	1. 40E-07 Mcy	DCP2
OLFM1. 5	9. 36E-12	-0. 40666	0. 004	0. 154	1. 40E-07 Mcy	OLFM1
PPCS. 3	9. 37E-12	0. 205014	0. 52	0. 316	1. 40E-07 Mcy	PPCS
ARPC3. 4	9. 56E-12	0. 239663	0. 974	0. 8	1. 43E-07 Mcy	ARPC3
RAB34. 3	9. 61E-12	0. 288338	0. 495	0. 278	1. 44E-07 Mcy	RAB34
CPED1. 3	9. 61E-12	0. 112462	0. 106	0. 031	1. 44E-07 Mcy	CPED1
AKAP12. 6	9. 75E-12	-0. 51966	0. 029	0. 191	1. 46E-07 Mcy	AKAP12
SH3BP1. 6	1. 00E-11	0. 191973	0. 245	0. 109	1. 50E-07 Mcy	SH3BP1
ACTR2. 6	1. 01E-11	0. 250896	0. 645	0. 454	1. 50E-07 Mcy	ACTR2
GYG1. 3	1. 02E-11	0. 294796	0. 429	0. 25	1. 52E-07 Mcy	GYG1
KCNQ10T1. 1	0. 6E-11	-0. 55153	0. 099	0. 282	1. 59E-07 Mcy	KCNQ10T1
FAM134B. 4	1. 07E-11	-0. 40599	0. 015	0. 169	1. 60E-07 Mcy	FAM134B
COL15A1	1. 07E-11	0. 125355	0. 048	0. 008	1. 60E-07 Mcy	COL15A1
ACSL6. 1	1. 07E-11	0. 126166	0. 136	0. 045	1. 60E-07 Mcy	ACSL6
NIT2. 1	1. 11E-11	0. 273084	0. 396	0. 225	1. 66E-07 Mcy	NIT2
RNF24. 3	1. 12E-11	-0. 43819	0. 073	0. 252	1. 67E-07 Mcy	RNF24
HCCS	1. 12E-11	0. 32401	0. 315	0. 164	1. 68E-07 Mcy	HCCS
XIST. 6	1. 16E-11	0. 179165	0. 498	0. 26	1. 73E-07 Mcy	XIST
IL15RA. 2	1. 17E-11	0. 234481	0. 103	0. 03	1. 74E-07 Mcy	IL15RA
TLE3. 5	1. 19E-11	0. 316716	0. 286	0. 134	1. 78E-07 Mcy	TLE3

ICAM2. 5	1. 21E-11	0. 16949	0. 11	0. 033	1. 81E-07 Mcy	ICAM2
P4HB. 3	1. 24E-11	0. 263986	0. 784	0. 567	1. 85E-07 Mcy	P4HB
POLR3K. 2	1. 24E-11	0. 280661	0. 377	0. 217	1. 86E-07 Mcy	POLR3K
IGFBP5. 6	1. 26E-11	-0. 77202	0. 095	0. 272	1. 88E-07 Mcy	IGFBP5
NTAN1. 4	1. 29E-11	0. 293407	0. 355	0. 196	1. 93E-07 Mcy	NTAN1
NRXN1. 5	1. 30E-11	-0. 57392	0. 015	0. 166	1. 95E-07 Mcy	NRXN1
DPM2. 1	1. 30E-11	0. 301248	0. 531	0. 342	1. 95E-07 Mcy	DPM2
MZT2A. 3	1. 32E-11	0. 217761	0. 604	0. 409	1. 97E-07 Mcy	MZT2A
NDFIP1. 6	1. 36E-11	-0. 35127	0. 531	0. 603	2. 03E-07 Mcy	NDFIP1
LRRC59. 3	1. 43E-11	0. 279517	0. 546	0. 353	2. 14E-07 Mcy	LRRC59
AKAP13. 6	1. 44E-11	0. 249917	0. 527	0. 32	2. 15E-07 Mcy	AKAP13
FAM136A. 1	1. 53E-11	0. 29948	0. 429	0. 258	2. 29E-07 Mcy	FAM136A
HEXB. 6	1. 55E-11	0. 280565	0. 612	0. 4	2. 32E-07 Mcy	HEXB
OLIG2. 5	1. 58E-11	-0. 5633	0. 026	0. 182	2. 36E-07 Mcy	OLIG2
SNTG1. 5	1. 59E-11	-0. 48001	0. 007	0. 157	2. 37E-07 Mcy	SNTG1
RFT1. 1	1. 60E-11	0. 298774	0. 271	0. 133	2. 39E-07 Mcy	RFT1
RTKN. 6	1. 61E-11	-0. 43108	0. 018	0. 175	2. 40E-07 Mcy	RTKN
APRT. 4	1. 65E-11	0. 291344	0. 758	0. 526	2. 46E-07 Mcy	APRT
EFHC1. 6	1. 65E-11	-0. 44589	0. 04	0. 209	2. 47E-07 Mcy	EFHC1
BTF3. 2	1. 66E-11	-0. 19161	0. 927	0. 897	2. 49E-07 Mcy	BTF3
BMP7. 6	1. 67E-11	-0. 38455	0. 015	0. 169	2. 49E-07 Mcy	BMP7
GTF3C6. 3	1. 68E-11	0. 303058	0. 718	0. 509	2. 50E-07 Mcy	GTF3C6
ECHS1. 3	1. 69E-11	0. 262295	0. 623	0. 43	2. 52E-07 Mcy	ECHS1
ITGB5. 4	1. 70E-11	0. 187903	0. 15	0. 054	2. 54E-07 Mcy	ITGB5
PTMS. 5	1. 71E-11	-0. 41686	0. 484	0. 555	2. 55E-07 Mcy	PTMS
PROX1. 5	1. 77E-11	-0. 41248	0. 015	0. 168	2. 65E-07 Mcy	PROX1
PTBP1. 3	1. 77E-11	0. 297546	0. 502	0. 319	2. 65E-07 Mcy	PTBP1
OLFM2. 4	1. 81E-11	-0. 4962	0. 033	0. 195	2. 71E-07 Mcy	OLFM2
COX14. 3	1. 83E-11	0. 212894	0. 659	0. 455	2. 73E-07 Mcy	COX14
BECN1. 3	1. 84E-11	0. 346723	0. 388	0. 226	2. 75E-07 Mcy	BECN1
TSEN34. 3	1. 89E-11	-0. 4944	0. 198	0. 372	2. 83E-07 Mcy	TSEN34
TREML1. 3	1. 93E-11	0. 100075	0. 081	0. 02	2. 88E-07 Mcy	TREML1
ST8SIA4. 6	1. 96E-11	0. 132739	0. 26	0. 116	2. 93E-07 Mcy	ST8SIA4
SGCE. 4	2. 00E-11	-0. 60125	0. 004	0. 15	2. 99E-07 Mcy	SGCE
DCAF12	2. 02E-11	0. 373158	0. 271	0. 132	3. 02E-07 Mcy	DCAF12
TMSB15A. 6	2. 07E-11	-0. 50816	0. 026	0. 182	3. 09E-07 Mcy	TMSB15A
NSMCE2. 1	2. 08E-11	0. 308719	0. 3	0. 153	3. 11E-07 Mcy	NSMCE2
DPYSL5. 6	2. 09E-11	-0. 39416	0. 015	0. 166	3. 13E-07 Mcy	DPYSL5
ODF2. 4	2. 12E-11	0. 240334	0. 264	0. 129	3. 16E-07 Mcy	ODF2
RUNX1. 6	2. 17E-11	0. 256035	0. 352	0. 186	3. 24E-07 Mcy	RUNX1
TPM2. 3	2. 23E-11	-0. 46307	0. 015	0. 166	3. 33E-07 Mcy	TPM2
GMIP. 6	2. 32E-11	0. 133267	0. 183	0. 071	3. 46E-07 Mcy	GMIP
OLFML2B. 5	2. 34E-11	0. 255066	0. 172	0. 066	3. 50E-07 Mcy	OLFML2B
NSG1. 6	2. 34E-11	-0. 66598	0. 026	0. 179	3. 50E-07 Mcy	NSG1
BTG1. 5	2. 34E-11	-0. 32826	0. 648	0. 69	3. 50E-07 Mcy	BTG1
B4GALT5. 4	2. 36E-11	-0. 38501	0. 037	0. 2	3. 53E-07 Mcy	B4GALT5
ARF6. 6	2. 37E-11	0. 219476	0. 535	0. 339	3. 55E-07 Mcy	ARF6
CBS. 5	2. 38E-11	-0. 35548	0. 011	0. 161	3. 56E-07 Mcy	CBS
RAD51C. 4	2. 40E-11	0. 332378	0. 432	0. 263	3. 58E-07 Mcy	RAD51C
MIAT. 5	2. 52E-11	-0. 49233	0. 018	0. 171	3. 76E-07 Mcy	MIAT
CMTM6. 6	2. 52E-11	0. 279195	0. 623	0. 421	3. 77E-07 Mcy	CMTM6

BLOC1S2.4	2.56E-11	0.207948	0.564	0.364	3.82E-07	Mcy	BLOC1S2
ADRBK1.6	2.57E-11	0.256777	0.209	0.09	3.84E-07	Mcy	ADRBK1
SUPT16H.4	2.65E-11	0.31321	0.414	0.244	3.95E-07	Mcy	SUPT16H
DCPS.2	2.65E-11	0.372245	0.311	0.168	3.97E-07	Mcy	DCPS
PARP2.3	2.73E-11	0.304349	0.234	0.108	4.08E-07	Mcy	PARP2
JAKMIP2.4	2.75E-11	-0.35696	0.007	0.154	4.11E-07	Mcy	JAKMIP2
ENO2.6	2.78E-11	-0.49884	0.103	0.288	4.15E-07	Mcy	ENO2
SOCS2.5	2.83E-11	-0.3887	0.011	0.16	4.24E-07	Mcy	SOCS2
SPATS2.4	2.89E-11	-0.40415	0.084	0.263	4.32E-07	Mcy	SPATS2
MESDC1.4	2.94E-11	0.239415	0.253	0.121	4.39E-07	Mcy	MESDC1
RHOA.4	2.98E-11	0.23129	0.945	0.75	4.46E-07	Mcy	RHOA
CLPB	2.99E-11	0.201057	0.209	0.091	4.47E-07	Mcy	CLPB
BBOX1.5	3.03E-11	-0.47829	0	0.141	4.52E-07	Mcy	BBOX1
WBP5.5	3.10E-11	-0.46958	0.326	0.507	4.63E-07	Mcy	WBP5
FAM84A.5	3.15E-11	-0.33557	0.004	0.148	4.71E-07	Mcy	FAM84A
APEX2.2	3.17E-11	0.220532	0.209	0.091	4.74E-07	Mcy	APEX2
TERF2IP.6	3.54E-11	-0.49107	0.388	0.521	5.29E-07	Mcy	TERF2IP
NKX2-2.5	3.61E-11	-0.48268	0.007	0.151	5.39E-07	Mcy	NKX2-2
GTF2I.5	3.61E-11	-0.42379	0.275	0.43	5.39E-07	Mcy	GTF2I
TSPAN31.4	3.64E-11	-0.59604	0.121	0.299	5.44E-07	Mcy	TSPAN31
CTA-384D8	3.66E-11	0.213788	0.084	0.022	5.46E-07	Mcy	CTA-384D8.34
IL15.4	3.74E-11	0.102684	0.114	0.035	5.60E-07	Mcy	IL15
LRMP.4	3.75E-11	0.209904	0.128	0.043	5.60E-07	Mcy	LRMP
ZKSCAN1.5	3.77E-11	-0.47416	0.136	0.321	5.64E-07	Mcy	ZKSCAN1
DPF3.3	3.91E-11	-0.34092	0	0.139	5.84E-07	Mcy	DPF3
COMMD1.1	3.93E-11	0.29035	0.542	0.352	5.87E-07	Mcy	COMMD1
ERV3-1.5	3.96E-11	-0.52927	0.092	0.264	5.92E-07	Mcy	ERV3-1
B3GALT4.3	4.00E-11	0.143909	0.125	0.041	5.98E-07	Mcy	B3GALT4
PLEC.4	4.04E-11	0.252182	0.341	0.183	6.04E-07	Mcy	PLEC
MARCH9.5	4.17E-11	-0.45022	0.011	0.157	6.23E-07	Mcy	9-Mar
ATP6V1G2.4	4.21E-11	-0.38727	0.007	0.152	6.29E-07	Mcy	ATP6V1G2
PPP1R7.2	4.34E-11	0.196686	0.538	0.349	6.48E-07	Mcy	PPP1R7
GALK1.4	4.37E-11	0.232028	0.359	0.2	6.53E-07	Mcy	GALK1
GLB1.3	4.40E-11	0.226056	0.418	0.241	6.58E-07	Mcy	GLB1
ABHD3.4	4.44E-11	0.234329	0.337	0.179	6.64E-07	Mcy	ABHD3
SH3BP2.5	4.54E-11	0.230092	0.275	0.135	6.79E-07	Mcy	SH3BP2
FGD2.5	4.66E-11	0.208487	0.158	0.058	6.96E-07	Mcy	FGD2
SEC11A.5	4.68E-11	0.204409	0.817	0.586	7.00E-07	Mcy	SEC11A
LINC01003	4.71E-11	-0.38969	0.037	0.196	7.04E-07	Mcy	LINC01003
APC2.5	4.78E-11	-0.37432	0.007	0.151	7.14E-07	Mcy	APC2
TXN2.2	4.84E-11	0.307614	0.619	0.429	7.24E-07	Mcy	TXN2
RGS17.4	4.91E-11	-0.35603	0.015	0.166	7.34E-07	Mcy	RGS17
MANBAL.6	5.03E-11	-0.48597	0.15	0.339	7.52E-07	Mcy	MANBAL
ACAD9.2	5.12E-11	0.243492	0.238	0.112	7.65E-07	Mcy	ACAD9
FAM72D	5.17E-11	0.164537	0.07	0.017	7.72E-07	Mcy	FAM72D
LIMCH1.5	5.22E-11	-0.41947	0.011	0.155	7.79E-07	Mcy	LIMCH1
SPRYD4	5.28E-11	0.191888	0.172	0.069	7.90E-07	Mcy	SPRYD4
MPDU1.1	5.35E-11	0.33473	0.491	0.313	7.99E-07	Mcy	MPDU1
DMWD.5	5.36E-11	-0.28626	0.004	0.145	8.01E-07	Mcy	DMWD
SCPEP1.5	5.36E-11	0.139633	0.568	0.341	8.02E-07	Mcy	SCPEP1
SUV39H2.1	5.45E-11	0.213554	0.154	0.059	8.14E-07	Mcy	SUV39H2



MAP9. 4	5. 47E-11	-0. 36118	0. 033	0. 192	8. 17E-07	Mcy	MAP9
IRF5. 6	5. 59E-11	0. 167993	0. 154	0. 057	8. 35E-07	Mcy	IRF5
TOMM7. 2	5. 86E-11	-0. 25241	0. 879	0. 851	8. 76E-07	Mcy	TOMM7
PCDHB16. 4	5. 86E-11	-0. 3411	0. 004	0. 143	8. 76E-07	Mcy	PCDHB16
TCTEX1D1. 5	8. 7E-11	0. 11648	0. 066	0. 015	8. 77E-07	Mcy	TCTEX1D1
LSM4. 3	5. 90E-11	0. 264137	0. 758	0. 556	8. 81E-07	Mcy	LSM4
EIF2S1. 2	5. 94E-11	0. 233761	0. 491	0. 315	8. 88E-07	Mcy	EIF2S1
SLC25A23. 6	1. 0E-11	-0. 29506	0	0. 137	9. 12E-07	Mcy	SLC25A23
BIN1. 4	6. 16E-11	0. 228268	0. 579	0. 356	9. 20E-07	Mcy	BIN1
CHAF1A. 4	6. 22E-11	0. 236506	0. 198	0. 086	9. 30E-07	Mcy	CHAF1A
DEF8. 5	6. 26E-11	0. 310737	0. 432	0. 267	9. 36E-07	Mcy	DEF8
HSP90AA1. 6	3. 4E-11	-0. 13064	0. 956	0. 886	9. 48E-07	Mcy	HSP90AA1
RP11-8L8. 6	3. 8E-11	0. 1243	0. 044	0. 007	9. 54E-07	Mcy	RP11-8L8. 2
LSM5. 3	6. 50E-11	0. 219314	0. 692	0. 503	9. 72E-07	Mcy	LSM5
NISCH. 4	6. 57E-11	0. 254348	0. 326	0. 173	9. 81E-07	Mcy	NISCH
FGFR1. 3	6. 72E-11	-0. 34992	0. 022	0. 174	1. 00E-06	Mcy	FGFR1
HMGN2. 1	6. 72E-11	0. 26368	0. 821	0. 627	1. 00E-06	Mcy	HMGN2
MANF. 5	6. 73E-11	0. 205972	0. 648	0. 446	1. 01E-06	Mcy	MANF
BAIAP2. 1	7. 01E-11	-0. 34826	0. 04	0. 201	1. 05E-06	Mcy	BAIAP2
TEAD1. 4	7. 25E-11	-0. 30149	0. 007	0. 148	1. 08E-06	Mcy	TEAD1
RUSC1. 3	7. 43E-11	0. 242774	0. 267	0. 135	1. 11E-06	Mcy	RUSC1
PACSIN2. 6	7. 43E-11	0. 223348	0. 322	0. 171	1. 11E-06	Mcy	PACSIN2
SERPINB6. 7	5. 6E-11	0. 181413	0. 689	0. 473	1. 13E-06	Mcy	SERPINB6
ZNF608. 4	7. 69E-11	-0. 33095	0. 015	0. 161	1. 15E-06	Mcy	ZNF608
DPP6. 4	7. 75E-11	-0. 39923	0. 018	0. 165	1. 16E-06	Mcy	DPP6
C21orf62. 7	8. 6E-11	-0. 44108	0. 015	0. 161	1. 17E-06	Mcy	C21orf62
EID1. 4	7. 97E-11	-0. 30291	0. 7	0. 708	1. 19E-06	Mcy	EID1
MAGEF1. 5	8. 16E-11	-0. 42481	0. 187	0. 368	1. 22E-06	Mcy	MAGEF1
USMG5. 5	8. 16E-11	0. 239993	0. 824	0. 615	1. 22E-06	Mcy	USMG5
COL6A2. 5	8. 16E-11	-0. 44707	0. 018	0. 166	1. 22E-06	Mcy	COL6A2
TSTA3. 2	8. 38E-11	0. 234579	0. 436	0. 265	1. 25E-06	Mcy	TSTA3
SCRN1. 5	8. 61E-11	-0. 36645	0. 029	0. 183	1. 29E-06	Mcy	SCRN1
ENHO. 5	8. 71E-11	-0. 34016	0. 011	0. 154	1. 30E-06	Mcy	ENHO
EFCAB11. 1	8. 78E-11	0. 269682	0. 15	0. 058	1. 31E-06	Mcy	EFCAB11
MTCH2. 2	8. 90E-11	0. 243495	0. 619	0. 424	1. 33E-06	Mcy	MTCH2
PMM1. 5	9. 29E-11	0. 31419	0. 385	0. 23	1. 39E-06	Mcy	PMM1
TMBIM1. 3	9. 35E-11	0. 227082	0. 421	0. 24	1. 40E-06	Mcy	TMBIM1
RBBP7. 5	9. 69E-11	0. 225912	0. 604	0. 42	1. 45E-06	Mcy	RBBP7
EZH2. 5	9. 71E-11	0. 304054	0. 293	0. 15	1. 45E-06	Mcy	EZH2
SLC38A10. 9	7. 7E-11	0. 241171	0. 355	0. 195	1. 46E-06	Mcy	SLC38A10
RPS6KB2. 3	9. 82E-11	0. 289689	0. 385	0. 223	1. 47E-06	Mcy	RPS6KB2
ZNF780A. 1	9. 94E-11	0. 224859	0. 165	0. 066	1. 49E-06	Mcy	ZNF780A
RCL1. 1	1. 01E-10	0. 141875	0. 183	0. 075	1. 50E-06	Mcy	RCL1
PARP14. 4	1. 01E-10	0. 23468	0. 297	0. 153	1. 51E-06	Mcy	PARP14
RNF180. 5	1. 02E-10	-0. 36367	0. 022	0. 171	1. 52E-06	Mcy	RNF180
RFWD3. 2	1. 03E-10	0. 211898	0. 147	0. 056	1. 55E-06	Mcy	RFWD3
PNPO. 3	1. 03E-10	0. 196834	0. 183	0. 076	1. 55E-06	Mcy	PNPO
WSCD1. 5	1. 05E-10	-0. 33973	0	0. 134	1. 56E-06	Mcy	WSCD1
FH. 2	1. 05E-10	0. 262024	0. 381	0. 222	1. 58E-06	Mcy	FH
RFX4. 4	1. 09E-10	-0. 41406	0. 011	0. 154	1. 63E-06	Mcy	RFX4
SWAP70. 6	1. 09E-10	0. 207568	0. 388	0. 218	1. 63E-06	Mcy	SWAP70

COX15. 1	1. 10E-10	0. 188574	0. 168	0. 067	1. 65E-06 Mcy	COX15
UXT. 4	1. 13E-10	0. 196089	0. 74	0. 533	1. 69E-06 Mcy	UXT
TNRC6C. 5	1. 14E-10	-0. 36206	0. 026	0. 175	1. 70E-06 Mcy	TNRC6C
MARCKS. 4	1. 14E-10	-0. 30282	0. 549	0. 599	1. 70E-06 Mcy	MARCKS
TPPP3. 6	1. 15E-10	-0. 55529	0. 015	0. 157	1. 72E-06 Mcy	TPPP3
TUBGCP2. 5	1. 18E-10	0. 269858	0. 363	0. 209	1. 77E-06 Mcy	TUBGCP2
TM6SF1. 6	1. 18E-10	0. 113283	0. 322	0. 154	1. 77E-06 Mcy	TM6SF1
C1R. 6	1. 23E-10	-0. 80875	0. 059	0. 219	1. 83E-06 Mcy	C1R
COX6C. 5	1. 24E-10	-0. 19895	0. 879	0. 83	1. 85E-06 Mcy	COX6C
KMT2E. 4	1. 25E-10	-0. 41661	0. 396	0. 541	1. 86E-06 Mcy	KMT2E
ERP44. 4	1. 26E-10	0. 220556	0. 593	0. 391	1. 88E-06 Mcy	ERP44
MYH10. 4	1. 27E-10	-0. 3701	0. 015	0. 156	1. 90E-06 Mcy	MYH10
NXPH1. 6	1. 27E-10	-0. 38151	0. 004	0. 139	1. 90E-06 Mcy	NXPH1
CYB5R4. 6	1. 28E-10	0. 235765	0. 322	0. 173	1. 92E-06 Mcy	CYB5R4
DLEU7. 5	1. 31E-10	0. 165015	0. 136	0. 048	1. 96E-06 Mcy	DLEU7
C8orf4. 5	1. 31E-10	-0. 79722	0. 066	0. 232	1. 96E-06 Mcy	C8orf4
DPYSL4. 6	1. 32E-10	-0. 33569	0. 015	0. 157	1. 97E-06 Mcy	DPYSL4
MAGOH. 3	1. 32E-10	0. 238309	0. 597	0. 41	1. 98E-06 Mcy	MAGOH
TSPAN4. 2	1. 33E-10	0. 309811	0. 322	0. 177	1. 99E-06 Mcy	TSPAN4
NRSN2. 5	1. 42E-10	-0. 32848	0. 022	0. 168	2. 12E-06 Mcy	NRSN2
FAM207A. 2	1. 43E-10	0. 304072	0. 348	0. 201	2. 13E-06 Mcy	FAM207A
WWTR1. 6	1. 45E-10	-0. 38241	0. 018	0. 163	2. 17E-06 Mcy	WWTR1
PHKG2. 3	1. 45E-10	0. 234336	0. 293	0. 151	2. 17E-06 Mcy	PHKG2
ACER3. 5	1. 47E-10	0. 229614	0. 341	0. 181	2. 20E-06 Mcy	ACER3
MYO10. 5	1. 49E-10	-0. 43607	0. 044	0. 198	2. 22E-06 Mcy	MYO10
HEXA. 5	1. 53E-10	0. 198502	0. 593	0. 384	2. 28E-06 Mcy	HEXA
PALD1. 5	1. 53E-10	0. 136918	0. 227	0. 099	2. 29E-06 Mcy	PALD1
NUDT22. 4	1. 54E-10	0. 247784	0. 436	0. 266	2. 31E-06 Mcy	NUDT22
CCT5. 3	1. 55E-10	0. 257364	0. 667	0. 478	2. 31E-06 Mcy	CCT5
COL4A2. 3	1. 55E-10	-0. 29469	0	0. 132	2. 32E-06 Mcy	COL4A2
NOP10. 6	1. 57E-10	0. 268627	0. 821	0. 601	2. 34E-06 Mcy	NOP10
MXRA7. 4	1. 60E-10	-0. 32051	0. 022	0. 17	2. 40E-06 Mcy	MXRA7
SUN2. 3	1. 63E-10	0. 222569	0. 381	0. 215	2. 44E-06 Mcy	SUN2
OLIG1. 6	1. 65E-10	-0. 57816	0. 033	0. 183	2. 47E-06 Mcy	OLIG1
HBEGF. 6	1. 69E-10	0. 15534	0. 403	0. 211	2. 52E-06 Mcy	HBEGF
CERS1. 4	1. 73E-10	-0. 31739	0	0. 131	2. 59E-06 Mcy	CERS1
PTPRA. 5	1. 79E-10	-0. 46758	0. 198	0. 358	2. 68E-06 Mcy	PTPRA
PSMG1	1. 82E-10	0. 229638	0. 366	0. 213	2. 71E-06 Mcy	PSMG1
ELAVL4. 5	1. 86E-10	-0. 63781	0. 037	0. 182	2. 78E-06 Mcy	ELAVL4
ZNF75A. 5	1. 89E-10	-0. 33042	0. 055	0. 218	2. 83E-06 Mcy	ZNF75A
AKAP9. 4	1. 96E-10	-0. 48962	0. 289	0. 453	2. 93E-06 Mcy	AKAP9
NUDT16. 6	2. 01E-10	0. 228489	0. 381	0. 215	3. 00E-06 Mcy	NUDT16
RP11-295G	2. 02E-10	0. 200866	0. 125	0. 044	3. 01E-06 Mcy	RP11-295G20. 2
NPTXR. 5	2. 03E-10	-0. 2984	0	0. 13	3. 03E-06 Mcy	NPTXR
HSPA14. 1	2. 03E-10	0. 299647	0. 267	0. 139	3. 03E-06 Mcy	HSPA14
FAM49B. 6	2. 11E-10	0. 218404	0. 718	0. 501	3. 16E-06 Mcy	FAM49B
TAF5	2. 15E-10	0. 111278	0. 081	0. 022	3. 22E-06 Mcy	TAF5
SEZ6. 6	2. 17E-10	-0. 41251	0. 007	0. 142	3. 24E-06 Mcy	SEZ6
GMPPB	2. 18E-10	0. 1146	0. 037	0. 006	3. 26E-06 Mcy	GMPPB
SPOCK2. 4	2. 29E-10	-0. 39632	0. 007	0. 142	3. 42E-06 Mcy	SPOCK2
SLC31A2. 6	2. 29E-10	0. 119574	0. 366	0. 188	3. 42E-06 Mcy	SLC31A2

ZNF3. 4	2. 38E-10	-0. 39027	0. 051	0. 209	3. 55E-06 Mcy	ZNF3
SRPK2. 4	2. 49E-10	-0. 42134	0. 242	0. 414	3. 72E-06 Mcy	SRPK2
FADS1. 4	2. 54E-10	0. 341216	0. 359	0. 215	3. 80E-06 Mcy	FADS1
KMT2A. 6	2. 58E-10	-0. 41174	0. 077	0. 24	3. 85E-06 Mcy	KMT2A
NDFIP2. 4	2. 59E-10	-0. 35552	0. 04	0. 196	3. 86E-06 Mcy	NDFIP2
TBCA. 5	2. 59E-10	-0. 29087	0. 725	0. 71	3. 87E-06 Mcy	TBCA
KLHL23. 6	2. 66E-10	-0. 38834	0. 022	0. 164	3. 98E-06 Mcy	KLHL23
RP3-525N1	2. 73E-10	-0. 4212	0. 015	0. 153	4. 08E-06 Mcy	RP3-525N10. 2
PPP2R3C. 1	2. 73E-10	0. 21232	0. 476	0. 302	4. 09E-06 Mcy	PPP2R3C
APOD. 5	2. 76E-10	-0. 79389	0. 022	0. 164	4. 12E-06 Mcy	APOD
CTC-479C5	2. 77E-10	0. 218968	0. 136	0. 049	4. 14E-06 Mcy	CTC-479C5. 12
SNX6. 4	2. 87E-10	0. 229637	0. 608	0. 425	4. 29E-06 Mcy	SNX6
CAPZB. 5	2. 92E-10	0. 162459	0. 879	0. 697	4. 36E-06 Mcy	CAPZB
TNIK. 4	2. 93E-10	-0. 30685	0. 011	0. 147	4. 38E-06 Mcy	TNIK
CSTF2	2. 94E-10	0. 179502	0. 161	0. 065	4. 39E-06 Mcy	CSTF2
FBXO17. 6	3. 01E-10	-0. 33543	0. 011	0. 147	4. 50E-06 Mcy	FBXO17
SLC8B1. 6	3. 03E-10	0. 156885	0. 212	0. 095	4. 53E-06 Mcy	SLC8B1
F11R. 5	3. 05E-10	0. 218402	0. 147	0. 055	4. 56E-06 Mcy	F11R
ECHDC1. 2	3. 13E-10	0. 210375	0. 498	0. 322	4. 67E-06 Mcy	ECHDC1
FAM204A. 4	3. 15E-10	0. 171391	0. 421	0. 253	4. 70E-06 Mcy	FAM204A
ARSJ. 4	3. 15E-10	-0. 30439	0	0. 128	4. 70E-06 Mcy	ARSJ
IGFLR1. 3	3. 17E-10	0. 175344	0. 143	0. 053	4. 74E-06 Mcy	IGFLR1
CSRP1. 3	3. 26E-10	0. 123476	0. 403	0. 234	4. 88E-06 Mcy	CSRP1
EIF5A. 2	3. 33E-10	0. 311993	0. 689	0. 523	4. 97E-06 Mcy	EIF5A
HCFC1R1. 3	3. 33E-10	0. 242582	0. 458	0. 278	4. 98E-06 Mcy	HCFC1R1
SSRP1. 4	3. 35E-10	0. 2859	0. 52	0. 351	5. 00E-06 Mcy	SSRP1
ZC2HC1A. 5	3. 36E-10	-0. 44626	0. 059	0. 214	5. 02E-06 Mcy	ZC2HC1A
FBXO32. 6	3. 37E-10	-0. 4936	0. 018	0. 157	5. 03E-06 Mcy	FBXO32
PPP2R5B. 5	3. 38E-10	-0. 34679	0. 026	0. 17	5. 05E-06 Mcy	PPP2R5B
MAGOHB. 3	3. 43E-10	0. 338285	0. 388	0. 234	5. 12E-06 Mcy	MAGOHB
MEA1. 2	3. 47E-10	0. 312219	0. 619	0. 429	5. 19E-06 Mcy	MEA1
C12orf76. 3	3. 47E-10	-0. 33362	0. 095	0. 27	5. 19E-06 Mcy	C12orf76
DPAGT1	3. 48E-10	0. 270097	0. 271	0. 139	5. 20E-06 Mcy	DPAGT1
PPP2R4. 1	3. 56E-10	0. 279948	0. 385	0. 233	5. 32E-06 Mcy	PPP2R4
LHX2. 6	3. 62E-10	-0. 31472	0. 004	0. 133	5. 41E-06 Mcy	LHX2
SLC44A2. 4	3. 64E-10	-0. 3096	0. 048	0. 206	5. 43E-06 Mcy	SLC44A2
TSPAN6. 5	3. 67E-10	-0. 32788	0. 015	0. 153	5. 48E-06 Mcy	TSPAN6
PDGFRA. 5	3. 69E-10	-0. 41428	0. 015	0. 151	5. 52E-06 Mcy	PDGFRA
ACTR1A. 2	3. 75E-10	0. 251584	0. 451	0. 274	5. 60E-06 Mcy	ACTR1A
FNBP1L. 6	3. 79E-10	-0. 40774	0. 04	0. 188	5. 66E-06 Mcy	FNBP1L
MEIS3. 4	3. 85E-10	-0. 32229	0. 004	0. 132	5. 76E-06 Mcy	MEIS3
ITM2C. 6	3. 96E-10	-0. 49248	0. 256	0. 421	5. 92E-06 Mcy	ITM2C
SOAT1. 6	4. 06E-10	0. 149617	0. 359	0. 194	6. 07E-06 Mcy	SOAT1
POSTN. 5	4. 12E-10	-0. 43853	0. 004	0. 132	6. 16E-06 Mcy	POSTN
NDUFB3. 5	4. 19E-10	0. 195694	0. 74	0. 549	6. 26E-06 Mcy	NDUFB3
TSPAN13. 6	4. 46E-10	-0. 56155	0. 143	0. 303	6. 66E-06 Mcy	TSPAN13
KIF1B. 5	4. 49E-10	-0. 42104	0. 128	0. 298	6. 70E-06 Mcy	KIF1B
CNN2. 4	4. 50E-10	0. 160256	0. 161	0. 065	6. 72E-06 Mcy	CNN2
RP11-161M	4. 56E-10	-0. 3981	0. 026	0. 17	6. 81E-06 Mcy	RP11-161M6. 2
MKKS. 3	4. 56E-10	0. 261802	0. 59	0. 4	6. 81E-06 Mcy	MKKS
SEPT7. 6	4. 65E-10	-0. 34662	0. 681	0. 703	6. 95E-06 Mcy	7-Sep

C16orf59.	4. 66E-10	0. 179647	0. 121	0. 043	6. 97E-06	Mcy	C16orf59
UROS.	3 4. 70E-10	0. 252196	0. 41	0. 248	7. 03E-06	Mcy	UROS
FBXW5.	4 4. 71E-10	0. 221044	0. 454	0. 284	7. 04E-06	Mcy	FBXW5
BANF1.	3 4. 72E-10	0. 248782	0. 875	0. 656	7. 05E-06	Mcy	BANF1
NUCB2.	2 5. 13E-10	0. 255462	0. 524	0. 343	7. 67E-06	Mcy	NUCB2
MSI1.	4 5. 18E-10	-0. 32272	0. 007	0. 138	7. 74E-06	Mcy	MSI1
CDC42EP1.	5. 23E-10	-0. 34218	0. 004	0. 131	7. 81E-06	Mcy	CDC42EP1
CSRNP1.	6 5. 24E-10	0. 196182	0. 355	0. 187	7. 83E-06	Mcy	CSRNP1
POP5.	3 5. 27E-10	0. 254792	0. 458	0. 292	7. 88E-06	Mcy	POP5
GOLT1B.	3 5. 39E-10	0. 212777	0. 399	0. 234	8. 06E-06	Mcy	GOLT1B
DPF1.	5 5. 48E-10	-0. 37372	0. 011	0. 143	8. 19E-06	Mcy	DPF1
TFPT.	4 5. 49E-10	0. 296873	0. 484	0. 304	8. 20E-06	Mcy	TFPT
CITED1.	5 5. 58E-10	-0. 44425	0. 018	0. 154	8. 34E-06	Mcy	CITED1
SBF2-AS1.	5. 66E-10	0. 104257	0. 088	0. 026	8. 45E-06	Mcy	SBF2-AS1
CDC42BPA.	5. 66E-10	-0. 34901	0. 037	0. 182	8. 46E-06	Mcy	CDC42BPA
COMMD6.	3 5. 73E-10	-0. 30376	0. 784	0. 776	8. 56E-06	Mcy	COMMD6
EIF5AL1.	2 5. 80E-10	0. 265038	0. 242	0. 117	8. 67E-06	Mcy	EIF5AL1
ANK2.	6 5. 83E-10	-0. 33269	0. 026	0. 167	8. 71E-06	Mcy	ANK2
STOML2.	2 5. 84E-10	0. 235359	0. 612	0. 416	8. 72E-06	Mcy	STOML2
PLP1.	5 5. 98E-10	-0. 87303	0. 033	0. 174	8. 94E-06	Mcy	PLP1
HES6.	5 5. 99E-10	-0. 59911	0. 128	0. 29	8. 95E-06	Mcy	HES6
CBFB.	2 6. 10E-10	0. 271152	0. 388	0. 23	9. 11E-06	Mcy	CBFB
C11orf96.	6. 17E-10	-0. 39171	0. 007	0. 137	9. 23E-06	Mcy	C11orf96
STARD4-AS	6. 43E-10	-0. 32574	0. 004	0. 13	9. 61E-06	Mcy	STARD4-AS1
ACAT2.	5 6. 64E-10	0. 307531	0. 451	0. 274	9. 92E-06	Mcy	ACAT2
RFTN2.	6 6. 66E-10	-0. 39289	0. 004	0. 13	9. 95E-06	Mcy	RFTN2
GADD45A.	6 6. 67E-10	-0. 51973	0. 117	0. 282	9. 97E-06	Mcy	GADD45A
TIPRL.	2 6. 72E-10	0. 268429	0. 418	0. 262	1. 00E-05	Mcy	TIPRL
HINT2.	2 6. 77E-10	0. 237705	0. 52	0. 342	1. 01E-05	Mcy	HINT2
NTMT1.	1 6. 80E-10	0. 243105	0. 491	0. 32	1. 02E-05	Mcy	NTMT1
PAK3.	6 6. 81E-10	-0. 44321	0. 015	0. 146	1. 02E-05	Mcy	PAK3
BICD1.	4 6. 85E-10	-0. 31815	0. 055	0. 208	1. 02E-05	Mcy	BICD1
TCEAL5.	4 6. 86E-10	-0. 4541	0	0. 123	1. 02E-05	Mcy	TCEAL5
TMED5.	5 6. 88E-10	0. 20844	0. 476	0. 302	1. 03E-05	Mcy	TMED5
PRTFDC1.	3 6. 95E-10	0. 303053	0. 256	0. 132	1. 04E-05	Mcy	PRTFDC1
NIPSNAP3A	6. 97E-10	0. 293097	0. 348	0. 196	1. 04E-05	Mcy	NIPSNAP3A
POMGNT1.	5 7. 07E-10	-0. 36842	0. 099	0. 262	1. 06E-05	Mcy	POMGNT1
PRELID2	7. 29E-10	0. 129846	0. 081	0. 023	1. 09E-05	Mcy	PRELID2
NRIP3.	3 7. 36E-10	0. 128698	0. 106	0. 035	1. 10E-05	Mcy	NRIP3
CCL7.	2 7. 44E-10	0. 136215	0. 055	0. 012	1. 11E-05	Mcy	CCL7
COLGALT2.	7. 50E-10	-0. 31748	0. 011	0. 142	1. 12E-05	Mcy	COLGALT2
PIEZO1.	3 7. 50E-10	0. 216835	0. 161	0. 067	1. 12E-05	Mcy	PIEZO1
LRRC4B.	6 7. 51E-10	-0. 28182	0. 007	0. 136	1. 12E-05	Mcy	LRRC4B
AK2.	4 7. 57E-10	0. 181336	0. 582	0. 386	1. 13E-05	Mcy	AK2
TMEM158.	5 7. 60E-10	-0. 3292	0. 011	0. 142	1. 14E-05	Mcy	TMEM158
DCLK1.	4 7. 67E-10	-0. 32827	0. 018	0. 154	1. 15E-05	Mcy	DCLK1
NET1.	4 7. 72E-10	0. 130632	0. 114	0. 039	1. 15E-05	Mcy	NET1
CA2.	4 7. 87E-10	-0. 66858	0. 081	0. 229	1. 18E-05	Mcy	CA2
B4GALNT1.	7. 92E-10	-0. 47519	0. 015	0. 146	1. 18E-05	Mcy	B4GALNT1
NAAA.	6 7. 97E-10	0. 107167	0. 267	0. 13	1. 19E-05	Mcy	NAAA
TAGLN3.	5 7. 99E-10	-0. 54908	0. 048	0. 191	1. 19E-05	Mcy	TAGLN3

PLEKH02.6	8.18E-10	0.155997	0.22	0.099	1.22E-05	Mcy	PLEKH02
ATAD3B.1	8.19E-10	0.227135	0.147	0.058	1.22E-05	Mcy	ATAD3B
MZT1.3	8.50E-10	0.260081	0.41	0.252	1.27E-05	Mcy	MZT1
TMEM106B.	8.53E-10	-0.46449	0.168	0.334	1.27E-05	Mcy	TMEM106B
ZNF711.5	8.62E-10	-0.37342	0.015	0.145	1.29E-05	Mcy	ZNF711
OCIAD2.5	8.67E-10	-0.83289	0.249	0.391	1.30E-05	Mcy	OCIAD2
THOC3.2	8.78E-10	0.320326	0.304	0.167	1.31E-05	Mcy	THOC3
SHISA4.5	8.80E-10	-0.40744	0.088	0.25	1.32E-05	Mcy	SHISA4
FAM175B.2	8.88E-10	0.226336	0.179	0.078	1.33E-05	Mcy	FAM175B
SCARA3.5	8.94E-10	-0.31411	0.011	0.141	1.34E-05	Mcy	SCARA3
TIMP3.4	8.98E-10	-0.3751	0.004	0.128	1.34E-05	Mcy	TIMP3
RMDN1.1	9.02E-10	0.220308	0.326	0.185	1.35E-05	Mcy	RMDN1
ASPHD1.4	9.16E-10	-0.36583	0.011	0.14	1.37E-05	Mcy	ASPHD1
ARMCX3.4	9.28E-10	-0.48571	0.282	0.433	1.39E-05	Mcy	ARMCX3
RP4-665J2	9.29E-10	-0.31491	0.004	0.128	1.39E-05	Mcy	RP4-665J23.1
NKAIN3.5	9.32E-10	-0.31965	0.004	0.128	1.39E-05	Mcy	NKAIN3
CDK5RAP2.	9.39E-10	0.237574	0.227	0.11	1.40E-05	Mcy	CDK5RAP2
TUBB.4	9.48E-10	0.241197	0.993	0.765	1.42E-05	Mcy	TUBB
RASSF7.5	9.49E-10	0.138363	0.165	0.068	1.42E-05	Mcy	RASSF7
RABL3.1	9.67E-10	0.229666	0.154	0.063	1.44E-05	Mcy	RABL3
CBWD1.1	9.67E-10	0.215424	0.37	0.21	1.44E-05	Mcy	CBWD1
RCC2.4	9.68E-10	0.232725	0.311	0.171	1.45E-05	Mcy	RCC2
DNAJB2.5	9.70E-10	-0.42754	0.15	0.318	1.45E-05	Mcy	DNAJB2
XRCC3	9.83E-10	0.219743	0.099	0.032	1.47E-05	Mcy	XRCC3
ETV5.3	9.93E-10	0.198886	0.425	0.255	1.48E-05	Mcy	ETV5
WDR60.3	9.99E-10	-0.38125	0.081	0.235	1.49E-05	Mcy	WDR60
CYB561D2.	1.00E-09	0.196712	0.377	0.222	1.50E-05	Mcy	CYB561D2
BEND5.4	1.03E-09	-0.36207	0.011	0.14	1.54E-05	Mcy	BEND5
IFI44.3	1.04E-09	0.241694	0.333	0.181	1.56E-05	Mcy	IFI44
NDUFA9.2	1.05E-09	0.286877	0.557	0.38	1.56E-05	Mcy	NDUFA9
DOK1.6	1.05E-09	0.191909	0.289	0.151	1.57E-05	Mcy	DOK1
PHLDA1.4	1.07E-09	-0.5442	0.275	0.398	1.60E-05	Mcy	PHLDA1
RNF181.2	1.08E-09	0.225151	0.751	0.55	1.61E-05	Mcy	RNF181
TMEM14C.4	1.09E-09	0.216397	0.784	0.586	1.62E-05	Mcy	TMEM14C
NLGN1.5	1.09E-09	-0.28683	0.011	0.141	1.63E-05	Mcy	NLGN1
DENND6B.6	1.09E-09	0.239936	0.212	0.1	1.63E-05	Mcy	DENND6B
RNF213.6	1.14E-09	0.232367	0.425	0.257	1.71E-05	Mcy	RNF213
PIM3.6	1.15E-09	0.188089	0.341	0.187	1.71E-05	Mcy	PIM3
RBBP8.1	1.19E-09	0.251001	0.179	0.081	1.78E-05	Mcy	RBBP8
FAM127A.3	1.20E-09	-0.42812	0.308	0.463	1.80E-05	Mcy	FAM127A
ABAT.6	1.21E-09	-0.34421	0.026	0.163	1.80E-05	Mcy	ABAT
NUP62.4	1.22E-09	0.244037	0.392	0.233	1.83E-05	Mcy	NUP62
KCNF1.6	1.22E-09	-0.32726	0.004	0.126	1.83E-05	Mcy	KCNF1
TIFA.1	1.23E-09	0.196311	0.143	0.056	1.84E-05	Mcy	TIFA
LGMN.5	1.29E-09	0.221013	0.549	0.346	1.93E-05	Mcy	LGMN
ENY2.3	1.30E-09	0.180042	0.773	0.6	1.94E-05	Mcy	ENY2
SRP14.2	1.32E-09	-0.16251	0.908	0.866	1.97E-05	Mcy	SRP14
GPC2.6	1.33E-09	-0.4528	0.033	0.171	1.98E-05	Mcy	GPC2
NAT14.3	1.33E-09	-0.33546	0.04	0.183	1.99E-05	Mcy	NAT14
FLOT2.2	1.34E-09	0.239474	0.319	0.183	2.00E-05	Mcy	FLOT2
SLC39A6.4	1.37E-09	-0.44961	0.172	0.332	2.04E-05	Mcy	SLC39A6

KCNMB4.6	1.38E-09	-0.36222	0.004	0.126	2.06E-05	Mcy	KCNMB4
AC004158.	1.38E-09	-0.34259	0.004	0.125	2.06E-05	Mcy	AC004158.3
COMTD1.4	1.38E-09	0.187918	0.147	0.058	2.06E-05	Mcy	COMTD1
SMIM4.2	1.39E-09	0.246574	0.421	0.264	2.07E-05	Mcy	SMIM4
RP11-71N1	1.39E-09	-0.34197	0.011	0.139	2.07E-05	Mcy	RP11-71N10.1
GPX3.5	1.39E-09	0.109792	0.293	0.149	2.08E-05	Mcy	GPX3
SLC15A3.5	1.44E-09	0.176848	0.165	0.067	2.16E-05	Mcy	SLC15A3
ARL4C.4	1.44E-09	-0.43424	0.22	0.382	2.16E-05	Mcy	ARL4C
IMMT.2	1.45E-09	0.208685	0.469	0.298	2.17E-05	Mcy	IMMT
SRD5A3.4	1.47E-09	0.20844	0.297	0.159	2.20E-05	Mcy	SRD5A3
UNC13D.5	1.47E-09	0.119603	0.128	0.047	2.20E-05	Mcy	UNC13D
SENCR.3	1.48E-09	0.185307	0.07	0.018	2.21E-05	Mcy	SENCR
CLIP2.5	1.49E-09	-0.34304	0.037	0.18	2.22E-05	Mcy	CLIP2
CNIH2.6	1.51E-09	-0.26016	0.007	0.133	2.25E-05	Mcy	CNIH2
CAP1.5	1.55E-09	0.178769	0.762	0.588	2.32E-05	Mcy	CAP1
IKBKG.4	1.56E-09	0.232256	0.253	0.13	2.34E-05	Mcy	IKBKG
CENPO	1.57E-09	0.232729	0.117	0.042	2.35E-05	Mcy	CENPO
NUCKS1.4	1.62E-09	0.232352	0.832	0.632	2.42E-05	Mcy	NUCKS1
TMC04	1.63E-09	0.119551	0.103	0.034	2.43E-05	Mcy	TMC04
MLC1.5	1.66E-09	-0.28216	0.018	0.152	2.47E-05	Mcy	MLC1
SRA1.4	1.66E-09	0.213673	0.582	0.394	2.48E-05	Mcy	SRA1
GRPEL1.2	1.66E-09	0.181935	0.432	0.266	2.48E-05	Mcy	GRPEL1
WDHD1	1.67E-09	0.108353	0.103	0.034	2.49E-05	Mcy	WDHD1
C8orf46.4	1.67E-09	-0.40767	0.015	0.142	2.50E-05	Mcy	C8orf46
DYNLL1.4	1.70E-09	-0.18597	0.897	0.835	2.54E-05	Mcy	DYNLL1
DPP7.6	1.71E-09	0.198804	0.663	0.462	2.56E-05	Mcy	DPP7
POLR2E.4	1.73E-09	0.190487	0.729	0.53	2.59E-05	Mcy	POLR2E
CDH11.4	1.73E-09	-0.30377	0	0.118	2.59E-05	Mcy	CDH11
SYP.6	1.74E-09	-0.40564	0.011	0.137	2.59E-05	Mcy	SYP
GAS1.6	1.75E-09	-0.36706	0.018	0.147	2.61E-05	Mcy	GAS1
ANAPC15.3	1.78E-09	0.286557	0.41	0.258	2.66E-05	Mcy	ANAPC15
EFNA1.4	1.78E-09	-0.4309	0.007	0.131	2.66E-05	Mcy	EFNA1
GNL2.2	1.84E-09	0.16438	0.355	0.203	2.75E-05	Mcy	GNL2
SAT2.4	1.87E-09	-0.35857	0.465	0.589	2.79E-05	Mcy	SAT2
SLC1A2.4	1.91E-09	-0.344	0.011	0.138	2.85E-05	Mcy	SLC1A2
HIST1H1D	1.91E-09	0.299773	0.084	0.026	2.86E-05	Mcy	HIST1H1D
COX7C.3	1.94E-09	-0.16383	0.927	0.885	2.90E-05	Mcy	COX7C
RNF157.5	1.95E-09	-0.30966	0.011	0.137	2.91E-05	Mcy	RNF157
PSMC3IP.5	2.00E-09	0.297918	0.161	0.068	3.00E-05	Mcy	PSMC3IP
TLR10.4	2.01E-09	0.133249	0.081	0.023	3.01E-05	Mcy	TLR10
IQSEC2.1	2.03E-09	0.158257	0.136	0.052	3.03E-05	Mcy	IQSEC2
APEH	2.03E-09	0.208429	0.333	0.193	3.03E-05	Mcy	APEH
QARS.5	2.05E-09	0.231157	0.447	0.278	3.07E-05	Mcy	QARS
RAP1B.5	2.08E-09	0.219219	0.608	0.43	3.11E-05	Mcy	RAP1B
B3GNT5.6	2.08E-09	0.145672	0.271	0.138	3.11E-05	Mcy	B3GNT5
NDUFA6.4	2.09E-09	0.239924	0.773	0.567	3.12E-05	Mcy	NDUFA6
SYNE2.6	2.11E-09	-0.35418	0.037	0.177	3.15E-05	Mcy	SYNE2
TNFRSF1A.	2.11E-09	0.214553	0.568	0.367	3.15E-05	Mcy	TNFRSF1A
TMEM54.4	2.12E-09	-0.33647	0.051	0.199	3.16E-05	Mcy	TMEM54
NDUFA2.1	2.15E-09	0.269217	0.806	0.599	3.21E-05	Mcy	NDUFA2
NFIL3.6	2.19E-09	0.125857	0.187	0.081	3.27E-05	Mcy	NFIL3

RP11-802E	2. 19E-09	0. 173623	0. 059	0. 014	3. 27E-05 Mcy	RP11-802E16. 3
CLCN3. 4	2. 21E-09	-0. 36751	0. 095	0. 252	3. 30E-05 Mcy	CLCN3
PPFIBP1. 4	2. 22E-09	-0. 33501	0. 026	0. 159	3. 32E-05 Mcy	PPFIBP1
WDR77. 1	2. 23E-09	0. 246747	0. 352	0. 206	3. 33E-05 Mcy	WDR77
PLEKHA4. 5	2. 25E-09	-0. 28248	0. 007	0. 13	3. 37E-05 Mcy	PLEKHA4
TACC1. 4	2. 27E-09	0. 290098	0. 473	0. 309	3. 39E-05 Mcy	TACC1
ZNF511. 4	2. 27E-09	0. 196557	0. 333	0. 192	3. 40E-05 Mcy	ZNF511
ANKS3. 4	2. 31E-09	-0. 31373	0. 033	0. 171	3. 46E-05 Mcy	ANKS3
RAB3A. 6	2. 33E-09	-0. 44858	0. 033	0. 167	3. 48E-05 Mcy	RAB3A
VWA1. 6	2. 34E-09	-0. 33022	0. 018	0. 147	3. 50E-05 Mcy	VWA1
FSTL1. 4	2. 36E-09	-0. 26041	0	0. 116	3. 52E-05 Mcy	FSTL1
HN1L. 4	2. 38E-09	0. 259444	0. 275	0. 149	3. 55E-05 Mcy	HN1L
CAMK2B. 5	2. 39E-09	-0. 32274	0	0. 116	3. 58E-05 Mcy	CAMK2B
SAAL1. 2	2. 39E-09	0. 274229	0. 245	0. 125	3. 58E-05 Mcy	SAAL1
MLLT4. 5	2. 42E-09	-0. 28297	0. 029	0. 165	3. 62E-05 Mcy	MLLT4
CRELD2. 4	2. 44E-09	0. 260095	0. 432	0. 279	3. 65E-05 Mcy	CRELD2
RP11-849I	2. 46E-09	-0. 36251	0. 011	0. 135	3. 67E-05 Mcy	RP11-849I19. 1
CMC2. 2	2. 49E-09	0. 267443	0. 465	0. 301	3. 72E-05 Mcy	CMC2
SLC35F1. 4	2. 52E-09	-0. 26459	0. 007	0. 129	3. 76E-05 Mcy	SLC35F1
ZNF91. 3	2. 55E-09	-0. 36923	0. 062	0. 213	3. 81E-05 Mcy	ZNF91
RASSF1. 2	2. 59E-09	0. 18575	0. 293	0. 155	3. 86E-05 Mcy	RASSF1
PGK1. 3	2. 65E-09	0. 149534	0. 934	0. 749	3. 95E-05 Mcy	PGK1
OBSL1. 5	2. 67E-09	-0. 29357	0. 018	0. 149	3. 99E-05 Mcy	OBSL1
BCL7A. 6	2. 70E-09	-0. 33854	0. 022	0. 153	4. 03E-05 Mcy	BCL7A
LRPAP1. 4	2. 86E-09	0. 220566	0. 733	0. 543	4. 28E-05 Mcy	LRPAP1
GPX1. 6	2. 91E-09	0. 166919	0. 96	0. 81	4. 35E-05 Mcy	GPX1
IFT81. 4	2. 94E-09	-0. 31848	0. 029	0. 162	4. 40E-05 Mcy	IFT81
PIK3R6. 1	2. 97E-09	0. 136967	0. 051	0. 011	4. 44E-05 Mcy	PIK3R6
COX20. 1	3. 05E-09	0. 232555	0. 648	0. 455	4. 56E-05 Mcy	COX20
OSTC. 4	3. 06E-09	0. 164984	0. 685	0. 499	4. 58E-05 Mcy	OSTC
NAGPA. 4	3. 08E-09	0. 24538	0. 216	0. 106	4. 60E-05 Mcy	NAGPA
ADI1. 2	3. 14E-09	0. 248444	0. 582	0. 402	4. 70E-05 Mcy	ADI1
MAML2. 5	3. 15E-09	-0. 34661	0. 055	0. 201	4. 70E-05 Mcy	MAML2
COX6A1. 5	3. 18E-09	-0. 17125	0. 89	0. 844	4. 75E-05 Mcy	COX6A1
DNAJC17. 1	3. 21E-09	0. 207111	0. 187	0. 085	4. 80E-05 Mcy	DNAJC17
NDN. 6	3. 23E-09	-0. 25959	0. 055	0. 2	4. 83E-05 Mcy	NDN
THG1L. 2	3. 28E-09	0. 176312	0. 168	0. 073	4. 90E-05 Mcy	THG1L
SEPT4. 6	3. 28E-09	-0. 50328	0. 011	0. 133	4. 90E-05 Mcy	4-Sep
SMIM13. 2	3. 35E-09	0. 173178	0. 183	0. 084	5. 01E-05 Mcy	SMIM13
RXRA. 3	3. 37E-09	0. 178898	0. 201	0. 094	5. 04E-05 Mcy	RXRA
CEND1. 4	3. 38E-09	-0. 29222	0. 015	0. 142	5. 05E-05 Mcy	CEND1
TRIM24. 6	3. 47E-09	-0. 32377	0. 051	0. 195	5. 19E-05 Mcy	TRIM24
ACSS3. 4	3. 51E-09	-0. 24469	0	0. 114	5. 24E-05 Mcy	ACSS3
NTM. 4	3. 51E-09	-0. 44882	0	0. 114	5. 24E-05 Mcy	NTM
IRAK4. 1	3. 53E-09	0. 192496	0. 201	0. 095	5. 28E-05 Mcy	IRAK4
BLNK. 4	3. 55E-09	0. 105886	0. 161	0. 065	5. 31E-05 Mcy	BLNK
TMX1. 3	3. 61E-09	0. 20067	0. 59	0. 398	5. 39E-05 Mcy	TMX1
GRIA4. 5	3. 64E-09	-0. 34709	0. 011	0. 132	5. 44E-05 Mcy	GRIA4
CNTFR. 5	3. 65E-09	-0. 31801	0. 011	0. 133	5. 45E-05 Mcy	CNTFR
ZNF821. 6	3. 65E-09	-0. 33635	0. 033	0. 166	5. 46E-05 Mcy	ZNF821
FABP5. 4	3. 82E-09	-0. 1111	0. 612	0. 387	5. 70E-05 Mcy	FABP5

DDAH1. 5	3. 85E-09	-0. 28058	0. 007	0. 127	5. 75E-05 Mcy	DDAH1
UBAC2. 5	3. 88E-09	0. 22113	0. 432	0. 267	5. 81E-05 Mcy	UBAC2
RAMP2. 5	3. 89E-09	-0. 35543	0. 015	0. 138	5. 81E-05 Mcy	RAMP2
COX5B. 5	3. 91E-09	-0. 16262	0. 901	0. 847	5. 84E-05 Mcy	COX5B
FAM3C. 5	3. 91E-09	-0. 43707	0. 311	0. 44	5. 85E-05 Mcy	FAM3C
HTRA1. 6	3. 93E-09	0. 218825	0. 659	0. 455	5. 87E-05 Mcy	HTRA1
POLE2	3. 94E-09	0. 122362	0. 099	0. 033	5. 89E-05 Mcy	POLE2
COL4A1. 3	4. 03E-09	-0. 24143	0	0. 113	6. 02E-05 Mcy	COL4A1
TBCB. 4	4. 06E-09	-0. 35395	0. 623	0. 659	6. 06E-05 Mcy	TBCB
POP4. 1	4. 09E-09	0. 14977	0. 421	0. 261	6. 11E-05 Mcy	POP4
DST. 5	4. 20E-09	-0. 44576	0. 234	0. 38	6. 27E-05 Mcy	DST
CBR3. 3	4. 36E-09	0. 232729	0. 209	0. 103	6. 51E-05 Mcy	CBR3
GNG4. 5	4. 49E-09	-0. 30766	0. 004	0. 119	6. 71E-05 Mcy	GNG4
STMN2. 6	4. 55E-09	-0. 88315	0. 059	0. 19	6. 80E-05 Mcy	STMN2
GDI1. 5	4. 57E-09	-0. 41553	0. 348	0. 489	6. 83E-05 Mcy	GDI1
NME4. 3	4. 57E-09	0. 242544	0. 557	0. 378	6. 83E-05 Mcy	NME4
XRCC4	4. 65E-09	0. 15119	0. 209	0. 1	6. 95E-05 Mcy	XRCC4
CHKB-AS1	4. 68E-09	0. 113837	0. 066	0. 018	6. 99E-05 Mcy	CHKB-AS1
OSGEP. 2	4. 68E-09	0. 253508	0. 344	0. 199	6. 99E-05 Mcy	OSGEP
RCN2. 5	4. 71E-09	-0. 40048	0. 381	0. 469	7. 04E-05 Mcy	RCN2
CLIC4. 5	4. 80E-09	-0. 42802	0. 176	0. 336	7. 17E-05 Mcy	CLIC4
STK24. 3	4. 90E-09	0. 179641	0. 205	0. 098	7. 32E-05 Mcy	STK24
SPG21. 5	4. 97E-09	0. 204627	0. 56	0. 381	7. 42E-05 Mcy	SPG21
SSSCA1. 1	5. 01E-09	0. 251179	0. 319	0. 184	7. 49E-05 Mcy	SSSCA1
THSD7A. 5	5. 07E-09	-0. 48571	0. 022	0. 145	7. 58E-05 Mcy	THSD7A
CTDSP1. 6	5. 10E-09	0. 189299	0. 37	0. 218	7. 62E-05 Mcy	CTDSP1
RBMS1. 4	5. 21E-09	0. 232608	0. 403	0. 246	7. 78E-05 Mcy	RBMS1
GNG10. 2	5. 32E-09	0. 192568	0. 165	0. 071	7. 94E-05 Mcy	GNG10
PXMP4. 1	5. 37E-09	0. 208299	0. 147	0. 061	8. 03E-05 Mcy	PXMP4
RAPGEF1. 4	5. 39E-09	0. 155663	0. 234	0. 114	8. 05E-05 Mcy	RAPGEF1
TIAL1. 1	5. 50E-09	0. 209173	0. 366	0. 222	8. 22E-05 Mcy	TIAL1
MDFIC. 1	5. 70E-09	0. 203095	0. 114	0. 042	8. 51E-05 Mcy	MDFIC
MGAT1. 6	5. 76E-09	0. 159695	0. 553	0. 353	8. 60E-05 Mcy	MGAT1
MAF. 5	5. 92E-09	0. 109321	0. 267	0. 132	8. 85E-05 Mcy	MAF
JAG1. 5	5. 94E-09	-0. 33211	0. 033	0. 162	8. 87E-05 Mcy	JAG1
RABAC1. 3	5. 98E-09	-0. 35428	0. 619	0. 665	8. 94E-05 Mcy	RABAC1
SOBP. 5	5. 98E-09	-0. 30327	0. 015	0. 137	8. 94E-05 Mcy	SOBP
CSPG5. 5	6. 17E-09	-0. 37291	0	0. 111	9. 21E-05 Mcy	CSPG5
MAP2K3. 6	6. 17E-09	0. 222112	0. 326	0. 186	9. 22E-05 Mcy	MAP2K3
CREB5. 5	6. 23E-09	-0. 42875	0. 092	0. 238	9. 30E-05 Mcy	CREB5
IFNGR2. 6	6. 29E-09	0. 196729	0. 571	0. 385	9. 40E-05 Mcy	IFNGR2
FAM129A. 3	6. 31E-09	0. 171742	0. 26	0. 137	9. 43E-05 Mcy	FAM129A
TRAPPC2L. 6	6. 44E-09	0. 255032	0. 582	0. 416	9. 62E-05 Mcy	TRAPPC2L
DAZAP1. 3	6. 47E-09	0. 216673	0. 374	0. 228	9. 66E-05 Mcy	DAZAP1
SEC14L2. 5	6. 53E-09	-0. 26489	0. 004	0. 118	9. 77E-05 Mcy	SEC14L2
WNK3. 4	6. 61E-09	-0. 28871	0. 007	0. 123	9. 88E-05 Mcy	WNK3
BAK1. 4	6. 69E-09	0. 213656	0. 223	0. 113	1. 00E-04 Mcy	BAK1
TNC. 5	6. 90E-09	-0. 44684	0. 059	0. 204	0. 000103 Mcy	TNC
ACOT7. 5	6. 92E-09	0. 276919	0. 374	0. 224	0. 000103 Mcy	ACOT7
MX1. 3	6. 93E-09	0. 310664	0. 234	0. 117	0. 000104 Mcy	MX1
LINC00662	7. 00E-09	-0. 37147	0. 048	0. 186	0. 000105 Mcy	LINC00662



ELL. 3	7. 03E-09	0. 171178	0. 205	0. 097	0. 000105	Mcy	ELL
EPB41L4A-	7. 17E-09	-0. 42321	0. 143	0. 297	0. 000107	Mcy	EPB41L4A-AS1
PTOV1. 5	7. 28E-09	-0. 356	0. 311	0. 442	0. 000109	Mcy	PTOV1
ARHGEF12.	7. 32E-09	-0. 30209	0. 033	0. 163	0. 000109	Mcy	ARHGEF12
ZIC1. 5	7. 33E-09	-0. 28459	0. 004	0. 117	0. 00011	Mcy	ZIC1
ZNF827. 5	7. 37E-09	-0. 24812	0. 004	0. 117	0. 00011	Mcy	ZNF827
TMEM126A.	7. 44E-09	0. 283006	0. 487	0. 325	0. 000111	Mcy	TMEM126A
PDK3. 4	7. 45E-09	0. 166857	0. 143	0. 058	0. 000111	Mcy	PDK3
KLHL4. 4	7. 49E-09	-0. 28918	0. 011	0. 13	0. 000112	Mcy	KLHL4
FGFR10P. 1	7. 50E-09	0. 226121	0. 172	0. 078	0. 000112	Mcy	FGFR10P
TSPAN12. 4	7. 54E-09	-0. 30629	0. 007	0. 123	0. 000113	Mcy	TSPAN12
TMEM256. 4	7. 60E-09	0. 185139	0. 612	0. 426	0. 000114	Mcy	TMEM256
SPTAN1. 4	7. 70E-09	-0. 4133	0. 11	0. 264	0. 000115	Mcy	SPTAN1
SETD5. 6	7. 88E-09	-0. 41268	0. 139	0. 292	0. 000118	Mcy	SETD5
MAPRE3. 4	7. 88E-09	-0. 35155	0. 048	0. 182	0. 000118	Mcy	MAPRE3
PIPOX. 5	7. 93E-09	-0. 29115	0. 015	0. 135	0. 000118	Mcy	PIPOX
THOC7. 2	8. 00E-09	0. 191774	0. 553	0. 385	0. 00012	Mcy	THOC7
ALG3. 1	8. 17E-09	0. 219079	0. 37	0. 228	0. 000122	Mcy	ALG3
DHX15. 3	8. 21E-09	0. 240265	0. 388	0. 241	0. 000123	Mcy	DHX15
CEBPB. 6	8. 24E-09	0. 214027	0. 645	0. 43	0. 000123	Mcy	CEBPB
MNS1. 3	8. 38E-09	0. 301047	0. 161	0. 072	0. 000125	Mcy	MNS1
S100A13. 4	8. 42E-09	-0. 6313	0. 15	0. 299	0. 000126	Mcy	S100A13
EIF3A. 4	8. 44E-09	0. 274355	0. 48	0. 329	0. 000126	Mcy	EIF3A
CAMK1D. 5	8. 53E-09	0. 170823	0. 223	0. 108	0. 000127	Mcy	CAMK1D
HEBP1. 2	8. 59E-09	0. 250538	0. 326	0. 186	0. 000128	Mcy	HEBP1
LINC00511	8. 74E-09	-0. 28904	0. 007	0. 122	0. 000131	Mcy	LINC00511
PLOD1. 2	8. 81E-09	0. 270522	0. 319	0. 188	0. 000132	Mcy	PLOD1
ZNF254. 3	8. 89E-09	-0. 34493	0. 022	0. 144	0. 000133	Mcy	ZNF254
NOP16. 5	9. 03E-09	0. 281779	0. 33	0. 196	0. 000135	Mcy	NOP16
BEND6. 5	9. 16E-09	-0. 23879	0. 007	0. 121	0. 000137	Mcy	BEND6
DRG1. 2	9. 21E-09	0. 272539	0. 388	0. 242	0. 000138	Mcy	DRG1
FLII. 5	9. 21E-09	0. 188223	0. 322	0. 184	0. 000138	Mcy	FLII
MEF2A. 6	9. 28E-09	0. 160316	0. 37	0. 212	0. 000139	Mcy	MEF2A
UBR7. 2	9. 41E-09	0. 290342	0. 223	0. 115	0. 000141	Mcy	UBR7
TMEM97. 4	9. 56E-09	0. 316095	0. 293	0. 169	0. 000143	Mcy	TMEM97
SSR1. 5	9. 77E-09	0. 168978	0. 659	0. 464	0. 000146	Mcy	SSR1
ARHGAP21.	9. 79E-09	-0. 37443	0. 103	0. 254	0. 000146	Mcy	ARHGAP21
EHP1L1. 5	9. 93E-09	0. 254573	0. 158	0. 069	0. 000148	Mcy	EHP1L1
SLC37A3. 4	1. 01E-08	-0. 3301	0. 015	0. 132	0. 00015	Mcy	SLC37A3
EIF4E2. 4	1. 01E-08	0. 245254	0. 48	0. 329	0. 000151	Mcy	EIF4E2
LBH. 6	1. 02E-08	-0. 4945	0. 033	0. 156	0. 000153	Mcy	LBH
CD164. 5	1. 03E-08	0. 202058	0. 678	0. 486	0. 000153	Mcy	CD164
KLF7. 4	1. 03E-08	-0. 4655	0. 073	0. 209	0. 000154	Mcy	KLF7
ASIC4. 5	1. 04E-08	-0. 49798	0. 022	0. 142	0. 000156	Mcy	ASIC4
PJA2. 5	1. 05E-08	-0. 45855	0. 201	0. 338	0. 000156	Mcy	PJA2
TAX1BP3. 4	1. 05E-08	0. 157621	0. 553	0. 378	0. 000156	Mcy	TAX1BP3
AP1G2. 5	1. 06E-08	0. 131712	0. 128	0. 049	0. 000159	Mcy	AP1G2
MANBA. 6	1. 07E-08	0. 197756	0. 238	0. 118	0. 000159	Mcy	MANBA
TSC22D4. 6	1. 10E-08	-0. 56886	0. 352	0. 473	0. 000164	Mcy	TSC22D4
AC004540.	1. 13E-08	-0. 41506	0. 011	0. 125	0. 000169	Mcy	AC004540. 4
CAST. 5	1. 13E-08	0. 192703	0. 484	0. 314	0. 000169	Mcy	CAST

KLHDC4. 2	1. 16E-08	0. 116486	0. 161	0. 07	0. 000174 Mcy	KLHDC4
CD74. 5	1. 18E-08	0. 122678	0. 989	0. 746	0. 000176 Mcy	CD74
EXOC6. 3	1. 18E-08	0. 194681	0. 147	0. 061	0. 000177 Mcy	EXOC6
SMUG1. 1	1. 19E-08	0. 284532	0. 344	0. 21	0. 000177 Mcy	SMUG1
PREP. 3	1. 19E-08	0. 199331	0. 198	0. 094	0. 000178 Mcy	PREP
NDP. 4	1. 21E-08	-0. 31047	0. 004	0. 114	0. 00018 Mcy	NDP
NCALD. 5	1. 22E-08	-0. 32874	0. 011	0. 127	0. 000182 Mcy	NCALD
CEP128	1. 24E-08	0. 115413	0. 066	0. 018	0. 000186 Mcy	CEP128
YEATS4. 4	1. 25E-08	0. 145906	0. 407	0. 247	0. 000187 Mcy	YEATS4
INSM1. 6	1. 27E-08	-0. 31721	0. 007	0. 119	0. 000189 Mcy	INSM1
MIS18A. 4	1. 27E-08	0. 221365	0. 209	0. 104	0. 00019 Mcy	MIS18A
CAT. 5	1. 29E-08	0. 1793	0. 476	0. 301	0. 000193 Mcy	CAT
FAM192A. 3	1. 29E-08	0. 232482	0. 509	0. 354	0. 000193 Mcy	FAM192A
ARL9. 5	1. 31E-08	-0. 24793	0	0. 106	0. 000196 Mcy	ARL9
ABI2. 4	1. 32E-08	-0. 39851	0. 22	0. 365	0. 000197 Mcy	ABI2
ETF1. 5	1. 33E-08	0. 215938	0. 509	0. 341	0. 000199 Mcy	ETF1
CLEC4A. 6	1. 37E-08	0. 11532	0. 147	0. 059	0. 000205 Mcy	CLEC4A
DAAM1. 4	1. 38E-08	-0. 39773	0. 099	0. 244	0. 000206 Mcy	DAAM1
RCSD1. 5	1. 38E-08	0. 105736	0. 245	0. 117	0. 000207 Mcy	RCSD1
NBPF1. 6	1. 41E-08	-0. 36634	0. 095	0. 239	0. 000211 Mcy	NBPF1
ZNF793. 3	1. 43E-08	-0. 29373	0. 004	0. 113	0. 000213 Mcy	ZNF793
FBL. 4	1. 43E-08	0. 17074	0. 542	0. 374	0. 000214 Mcy	FBL
SFXN3. 1	1. 48E-08	0. 236206	0. 216	0. 109	0. 000221 Mcy	SFXN3
HMGN3. 4	1. 48E-08	0. 17196	0. 802	0. 604	0. 000221 Mcy	HMGN3
OPTN. 4	1. 50E-08	-0. 28078	0. 018	0. 138	0. 000224 Mcy	OPTN
ATP1A3. 5	1. 53E-08	-0. 41526	0. 011	0. 123	0. 000228 Mcy	ATP1A3
TMEM25. 5	1. 55E-08	-0. 28929	0. 011	0. 125	0. 000231 Mcy	TMEM25
LIFR. 3	1. 56E-08	-0. 2803	0. 004	0. 112	0. 000233 Mcy	LIFR
TNFAIP6. 4	1. 56E-08	-0. 48362	0. 004	0. 112	0. 000234 Mcy	TNFAIP6
EIF4A3. 5	1. 58E-08	0. 265571	0. 604	0. 446	0. 000237 Mcy	EIF4A3
ZNF267. 6	1. 59E-08	0. 170911	0. 249	0. 13	0. 000238 Mcy	ZNF267
RTCA. 2	1. 60E-08	0. 21987	0. 418	0. 266	0. 000239 Mcy	RTCA
TTC14. 2	1. 61E-08	-0. 41494	0. 121	0. 273	0. 000241 Mcy	TTC14
LYAR. 2	1. 63E-08	0. 212203	0. 3	0. 171	0. 000243 Mcy	LYAR
TTC9B. 6	1. 64E-08	-0. 44445	0. 011	0. 123	0. 000245 Mcy	TTC9B
KARS. 2	1. 64E-08	0. 250264	0. 538	0. 37	0. 000245 Mcy	KARS
SOX6. 5	1. 65E-08	-0. 30518	0. 022	0. 144	0. 000247 Mcy	SOX6
MRT04. 1	1. 69E-08	0. 252126	0. 385	0. 242	0. 000252 Mcy	MRT04
POLR2H. 3	1. 69E-08	0. 224953	0. 473	0. 319	0. 000252 Mcy	POLR2H
HOMER1. 5	1. 72E-08	-0. 27707	0. 033	0. 159	0. 000257 Mcy	HOMER1
LRRTM2. 5	1. 72E-08	-0. 26149	0	0. 105	0. 000258 Mcy	LRRTM2
PNMA2. 5	1. 74E-08	-0. 3177	0. 022	0. 142	0. 00026 Mcy	PNMA2
EFR3A. 5	1. 75E-08	0. 193559	0. 256	0. 139	0. 000261 Mcy	EFR3A
DZIP1. 5	1. 75E-08	-0. 21754	0	0. 105	0. 000261 Mcy	DZIP1
NOL3. 6	1. 76E-08	-0. 3775	0. 04	0. 169	0. 000263 Mcy	NOL3
SYT17. 4	1. 76E-08	-0. 33649	0. 037	0. 162	0. 000263 Mcy	SYT17
DOK5. 5	1. 76E-08	-0. 3399	0. 051	0. 186	0. 000263 Mcy	DOK5
CCDC167. 3	1. 77E-08	0. 258162	0. 546	0. 379	0. 000264 Mcy	CCDC167
ISOC2. 5	1. 78E-08	0. 225159	0. 505	0. 345	0. 000266 Mcy	ISOC2
PYCR1. 3	1. 79E-08	-0. 20174	0. 051	0. 188	0. 000268 Mcy	PYCR1
MED4. 1	1. 81E-08	0. 202849	0. 582	0. 412	0. 000271 Mcy	MED4

AMER2.5	1.81E-08	-0.44925	0.007	0.117	0.000271	Mcy	AMER2
LGR4.6	1.83E-08	-0.20857	0	0.105	0.000274	Mcy	LGR4
PCDHB10.5	1.86E-08	-0.30434	0	0.104	0.000278	Mcy	PCDHB10
SNX17.1	1.87E-08	0.163697	0.623	0.446	0.00028	Mcy	SNX17
BRMS1.3	1.89E-08	0.238521	0.458	0.307	0.000282	Mcy	BRMS1
ITPRIP.6	1.90E-08	0.213202	0.165	0.073	0.000285	Mcy	ITPRIP
NAA20.2	1.92E-08	0.14761	0.674	0.492	0.000287	Mcy	NAA20
ZNF397.4	1.93E-08	-0.31207	0.037	0.166	0.000288	Mcy	ZNF397
CCDC53.1	1.96E-08	0.168355	0.491	0.325	0.000293	Mcy	CCDC53
CLDN12.6	1.98E-08	-0.32572	0.022	0.141	0.000296	Mcy	CLDN12
C1QL1.5	1.99E-08	-0.30534	0.007	0.117	0.000297	Mcy	C1QL1
PSMB4.2	1.99E-08	0.193884	0.582	0.413	0.000297	Mcy	PSMB4
STARD4.1	2.01E-08	0.130989	0.092	0.031	0.000301	Mcy	STARD4
RAB8B.5	2.03E-08	0.195043	0.275	0.152	0.000304	Mcy	RAB8B
BOD1.5	2.05E-08	-0.37553	0.158	0.306	0.000306	Mcy	BOD1
TRAPPC1.2	2.05E-08	0.15112	0.799	0.611	0.000307	Mcy	TRAPPC1
THOC5.2	2.07E-08	0.206352	0.179	0.084	0.00031	Mcy	THOC5
ZNF579.5	2.08E-08	-0.23921	0.007	0.117	0.00031	Mcy	ZNF579
COPS3.2	2.08E-08	0.219437	0.52	0.365	0.000311	Mcy	COPS3
JMJD8.1	2.11E-08	0.13551	0.183	0.084	0.000315	Mcy	JMJD8
HOXA7.4	2.13E-08	-0.36225	0	0.104	0.000318	Mcy	HOXA7
PPIC.4	2.13E-08	-0.30582	0.051	0.186	0.000319	Mcy	PPIC
C1orf112	2.18E-08	0.126308	0.106	0.039	0.000326	Mcy	C1orf112
CCDC109B	2.18E-08	0.2335	0.531	0.345	0.000326	Mcy	CCDC109B
SUMO2.4	2.19E-08	-0.11556	0.879	0.82	0.000327	Mcy	SUMO2
SPAG16.6	2.21E-08	-0.45749	0.15	0.3	0.00033	Mcy	SPAG16
IQCK.4	2.23E-08	-0.29341	0.015	0.129	0.000333	Mcy	IQCK
TMEM198.4	2.27E-08	-0.21505	0.007	0.118	0.00034	Mcy	TMEM198
SNAP25.5	2.28E-08	-0.44254	0.026	0.145	0.00034	Mcy	SNAP25
GINS1.2	2.31E-08	0.269388	0.128	0.053	0.000345	Mcy	GINS1
NUDT11.4	2.32E-08	-0.30532	0.015	0.129	0.000347	Mcy	NUDT11
CDKN2C.4	2.33E-08	0.152702	0.451	0.278	0.000349	Mcy	CDKN2C
DOCK11.6	2.39E-08	0.117829	0.132	0.052	0.000357	Mcy	DOCK11
CORO2B.4	2.40E-08	-0.2424	0	0.103	0.000358	Mcy	CORO2B
GDAP1L1.5	2.40E-08	-0.37596	0	0.103	0.000358	Mcy	GDAP1L1
GMPPA.1	2.40E-08	0.22381	0.278	0.157	0.000359	Mcy	GMPPA
GAD1.6	2.42E-08	-0.29776	0.007	0.116	0.000362	Mcy	GAD1
PAXIP1-AS	2.42E-08	-0.31619	0.037	0.161	0.000362	Mcy	PAXIP1-AS1
TMEM51.5	2.44E-08	0.127567	0.231	0.116	0.000364	Mcy	TMEM51
LRRN3.5	2.45E-08	-0.35021	0.007	0.116	0.000366	Mcy	LRRN3
FAM102B.2	2.46E-08	0.179675	0.084	0.027	0.000367	Mcy	FAM102B
DTNA.5	2.61E-08	-0.50155	0.11	0.256	0.00039	Mcy	DTNA
LSM3.1	2.72E-08	0.168484	0.722	0.556	0.000406	Mcy	LSM3
UBE2H.5	2.76E-08	-0.3576	0.114	0.262	0.000412	Mcy	UBE2H
EPM2AIP1	2.78E-08	-0.26559	0.066	0.201	0.000416	Mcy	EPM2AIP1
RHOJ.4	2.79E-08	-0.22632	0	0.102	0.000416	Mcy	RHOJ
GGT7.4	2.81E-08	-0.25943	0.04	0.168	0.00042	Mcy	GGT7
GXYLT1.1	2.82E-08	0.222831	0.147	0.063	0.000422	Mcy	GXYLT1
LINC00665	2.83E-08	-0.37838	0.059	0.189	0.000422	Mcy	LINC00665
APBB2.5	2.90E-08	-0.28906	0.007	0.115	0.000433	Mcy	APBB2
REEP5.5	2.93E-08	0.178176	0.773	0.58	0.000437	Mcy	REEP5

DLGAP4. 3	2. 95E-08	-0. 29312	0. 147	0. 296	0. 000441 Mcy	DLGAP4
SAPCD2. 5	2. 97E-08	0. 199815	0. 132	0. 054	0. 000444 Mcy	SAPCD2
ATP6VOA1.	2. 99E-08	-0. 4136	0. 136	0. 289	0. 000447 Mcy	ATP6VOA1
APBB1. 5	3. 00E-08	-0. 36582	0. 059	0. 193	0. 000448 Mcy	APBB1
NELL2. 4	3. 04E-08	-0. 30255	0. 004	0. 108	0. 000454 Mcy	NELL2
EOGT	3. 04E-08	0. 116505	0. 092	0. 032	0. 000455 Mcy	EOGT
C1S. 4	3. 07E-08	-0. 64173	0. 04	0. 165	0. 000458 Mcy	C1S
PCMTD2. 5	3. 09E-08	-0. 35982	0. 092	0. 23	0. 000462 Mcy	PCMTD2
PTTG2	3. 12E-08	0. 114556	0. 033	0. 006	0. 000467 Mcy	PTTG2
PHLDA3. 3	3. 14E-08	-0. 29304	0. 044	0. 174	0. 000469 Mcy	PHLDA3
OSER1-AS1	3. 17E-08	-0. 27667	0. 018	0. 134	0. 000474 Mcy	OSER1-AS1
SH3BGR. 5	3. 18E-08	-0. 4344	0. 015	0. 126	0. 000476 Mcy	SH3BGR
CCNE1	3. 19E-08	0. 153724	0. 084	0. 028	0. 000477 Mcy	CCNE1
EIF4A1. 3	3. 23E-08	-0. 13878	0. 894	0. 86	0. 000483 Mcy	EIF4A1
EFS. 4	3. 30E-08	-0. 2914	0. 004	0. 108	0. 000494 Mcy	EFS
CDKN1A. 5	3. 35E-08	0. 144096	0. 495	0. 303	0. 000501 Mcy	CDKN1A
ZNF439. 5	3. 38E-08	-0. 25688	0. 029	0. 151	0. 000505 Mcy	ZNF439
PHGDH. 5	3. 40E-08	-0. 36718	0. 066	0. 203	0. 000508 Mcy	PHGDH
ZNF704. 5	3. 42E-08	-0. 30035	0. 015	0. 126	0. 000512 Mcy	ZNF704
UBA7. 5	3. 43E-08	0. 141253	0. 176	0. 079	0. 000512 Mcy	UBA7
HABP4. 3	3. 49E-08	-0. 20285	0. 011	0. 122	0. 000522 Mcy	HABP4
PRR5. 5	3. 50E-08	0. 149131	0. 117	0. 045	0. 000523 Mcy	PRR5
ADSL. 2	3. 51E-08	0. 2689	0. 388	0. 254	0. 000525 Mcy	ADSL
ASNS. 6	3. 53E-08	-0. 26725	0. 051	0. 18	0. 000527 Mcy	ASNS
YWHAQ. 5	3. 56E-08	-0. 25621	0. 663	0. 643	0. 000532 Mcy	YWHAQ
KNTC1	3. 62E-08	0. 112877	0. 073	0. 022	0. 000541 Mcy	KNTC1
SKI. 4	3. 63E-08	0. 170511	0. 271	0. 148	0. 000542 Mcy	SKI
EIF4G1. 2	3. 65E-08	0. 242502	0. 418	0. 274	0. 000546 Mcy	EIF4G1
RAD21. 5	3. 84E-08	0. 224895	0. 52	0. 363	0. 000573 Mcy	RAD21
MAZ. 5	3. 86E-08	0. 288484	0. 381	0. 247	0. 000577 Mcy	MAZ
EDEM1. 5	3. 88E-08	0. 175971	0. 168	0. 077	0. 00058 Mcy	EDEM1
SFRP1. 5	3. 93E-08	-0. 22826	0	0. 1	0. 000587 Mcy	SFRP1
LAMA5. 4	3. 93E-08	-0. 22008	0. 007	0. 114	0. 000588 Mcy	LAMA5
ARNT2. 6	3. 95E-08	-0. 23778	0. 007	0. 114	0. 00059 Mcy	ARNT2
FAM171B. 4	3. 95E-08	-0. 27338	0. 007	0. 113	0. 000591 Mcy	FAM171B
KCNE4. 4	3. 96E-08	-0. 2416	0. 004	0. 107	0. 000592 Mcy	KCNE4
FBXL15. 6	3. 98E-08	0. 194359	0. 33	0. 192	0. 000594 Mcy	FBXL15
CORO1C. 3	4. 03E-08	0. 226371	0. 538	0. 369	0. 000603 Mcy	CORO1C
KIF5A. 5	4. 05E-08	-0. 36119	0. 015	0. 124	0. 000605 Mcy	KIF5A
LAS1L. 1	4. 05E-08	0. 172649	0. 249	0. 135	0. 000605 Mcy	LAS1L
ELOVL2. 6	4. 05E-08	-0. 22807	0	0. 1	0. 000605 Mcy	ELOVL2
IFI27L2. 3	4. 08E-08	0. 172728	0. 659	0. 467	0. 000609 Mcy	IFI27L2
EXOSC3. 3	4. 12E-08	0. 189098	0. 278	0. 157	0. 000615 Mcy	EXOSC3
TMEM18. 1	4. 12E-08	0. 252156	0. 337	0. 204	0. 000616 Mcy	TMEM18
RUNDC3A. 6	4. 17E-08	-0. 3126	0	0. 1	0. 000623 Mcy	RUNDC3A
ALDH3B1. 4	4. 18E-08	0. 163901	0. 158	0. 069	0. 000624 Mcy	ALDH3B1
CELF2. 6	4. 18E-08	0. 141152	0. 564	0. 379	0. 000625 Mcy	CELF2
DIRAS3. 5	4. 18E-08	-0. 49514	0. 015	0. 126	0. 000625 Mcy	DIRAS3
MYL6B. 5	4. 23E-08	-0. 41143	0. 315	0. 445	0. 000632 Mcy	MYL6B
FZD7. 3	4. 23E-08	-0. 21563	0	0. 1	0. 000633 Mcy	FZD7
SLC25A29. 4	4. 24E-08	-0. 24417	0. 033	0. 155	0. 000633 Mcy	SLC25A29

ZNF385D. 4	4. 25E-08	-0. 25608	0. 007	0. 113	0. 000635	Mcy	ZNF385D
ATP1B3. 6	4. 30E-08	0. 199213	0. 722	0. 54	0. 000642	Mcy	ATP1B3
DNAJC18. 3	4. 35E-08	-0. 28643	0. 015	0. 125	0. 00065	Mcy	DNAJC18
LRRRC8A. 5	4. 45E-08	-0. 365	0. 048	0. 171	0. 000665	Mcy	LRRRC8A
C21orf58. 4	4. 51E-08	0. 265616	0. 125	0. 051	0. 000675	Mcy	C21orf58
SHD. 5	4. 61E-08	-0. 40913	0. 018	0. 128	0. 00069	Mcy	SHD
CACNA2D3. 4	4. 64E-08	0. 209079	0. 088	0. 03	0. 000693	Mcy	CACNA2D3
EXOC7. 5	4. 65E-08	-0. 39615	0. 209	0. 355	0. 000694	Mcy	EXOC7
PICALM. 6	4. 73E-08	0. 185491	0. 436	0. 277	0. 000706	Mcy	PICALM
HNRNPAB. 5	4. 74E-08	0. 261593	0. 549	0. 393	0. 000708	Mcy	HNRNPAB
DLX5. 6	4. 83E-08	-0. 67542	0. 033	0. 146	0. 000721	Mcy	DLX5
SLC10A4. 5	4. 84E-08	-0. 2073	0	0. 099	0. 000724	Mcy	SLC10A4
NMRK1. 4	5. 04E-08	0. 151622	0. 256	0. 136	0. 000753	Mcy	NMRK1
HIST2H2AC	5. 07E-08	0. 178457	0. 132	0. 056	0. 000758	Mcy	HIST2H2AC
SNAPC5. 1	5. 10E-08	0. 32473	0. 33	0. 209	0. 000762	Mcy	SNAPC5
EFEMP1. 5	5. 13E-08	-0. 74225	0. 088	0. 224	0. 000767	Mcy	EFEMP1
DLX2. 6	5. 16E-08	-0. 44518	0. 007	0. 111	0. 00077	Mcy	DLX2
NFASC. 4	5. 16E-08	-0. 36411	0. 004	0. 105	0. 000772	Mcy	NFASC
AXL. 5	5. 17E-08	0. 127909	0. 326	0. 177	0. 000773	Mcy	AXL
CYTL1. 5	5. 20E-08	0. 133137	0. 22	0. 108	0. 000777	Mcy	CYTL1
PLA2G5. 5	5. 30E-08	-0. 49474	0. 007	0. 111	0. 000791	Mcy	PLA2G5
KIF1A. 5	5. 37E-08	-0. 36075	0. 018	0. 129	0. 000803	Mcy	KIF1A
LAMP5. 5	5. 51E-08	-0. 25447	0. 007	0. 112	0. 000824	Mcy	LAMP5
SPATC1L. 5	5. 57E-08	-0. 25329	0. 066	0. 197	0. 000832	Mcy	SPATC1L
RP11-410L	5. 66E-08	-0. 25253	0. 018	0. 131	0. 000846	Mcy	RP11-410L14. 2
PTRHD1. 2	5. 86E-08	0. 17066	0. 473	0. 315	0. 000876	Mcy	PTRHD1
ALCAM. 5	5. 91E-08	0. 126524	0. 337	0. 192	0. 000883	Mcy	ALCAM
NAGK. 4	6. 02E-08	0. 22293	0. 549	0. 377	0. 0009	Mcy	NAGK
ATP5C1. 5	6. 04E-08	0. 161465	0. 755	0. 582	0. 000902	Mcy	ATP5C1
AEBP1. 5	6. 05E-08	-0. 35682	0. 015	0. 124	0. 000903	Mcy	AEBP1
CAMSAP2. 4	6. 06E-08	-0. 26457	0. 033	0. 152	0. 000906	Mcy	CAMSAP2
ANKS1B. 5	6. 06E-08	-0. 40944	0. 007	0. 11	0. 000906	Mcy	ANKS1B
AIF1L. 5	6. 10E-08	-0. 41573	0. 011	0. 116	0. 000911	Mcy	AIF1L
PTGDS. 3	6. 16E-08	-0. 86122	0. 051	0. 173	0. 00092	Mcy	PTGDS
RNPEPL1. 4	6. 20E-08	0. 251047	0. 234	0. 128	0. 000927	Mcy	RNPEPL1
E2F4. 3	6. 23E-08	0. 304771	0. 344	0. 211	0. 000931	Mcy	E2F4
RP11-169D	6. 27E-08	0. 103936	0. 033	0. 006	0. 000937	Mcy	RP11-169D4. 2
HOOK2. 4	6. 27E-08	-0. 39652	0. 099	0. 238	0. 000937	Mcy	HOOK2
HNRNPK. 4	6. 32E-08	-0. 21419	0. 824	0. 788	0. 000944	Mcy	HNRNPK
CD226. 1	6. 39E-08	0. 195776	0. 051	0. 013	0. 000955	Mcy	CD226
TLE1. 4	6. 41E-08	-0. 22262	0. 044	0. 173	0. 000959	Mcy	TLE1
NAA38. 2	6. 42E-08	0. 149681	0. 634	0. 468	0. 000959	Mcy	NAA38
MERTK. 5	6. 43E-08	0. 114518	0. 242	0. 122	0. 000961	Mcy	MERTK
SERP2. 4	6. 45E-08	-0. 2905	0. 004	0. 104	0. 000964	Mcy	SERP2
CTSA. 6	6. 49E-08	0. 20962	0. 579	0. 395	0. 00097	Mcy	CTSA
RNF19A. 6	6. 57E-08	-0. 29749	0. 07	0. 205	0. 000983	Mcy	RNF19A
COX17. 2	6. 58E-08	0. 145581	0. 703	0. 514	0. 000983	Mcy	COX17
PDIA4. 4	6. 61E-08	0. 197465	0. 619	0. 457	0. 000988	Mcy	PDIA4
LINC00657	6. 65E-08	-0. 3828	0. 187	0. 335	0. 000993	Mcy	LINC00657
NRBP2. 5	6. 66E-08	-0. 23841	0. 015	0. 123	0. 000995	Mcy	NRBP2
TMEM132B.	6. 69E-08	-0. 22395	0. 004	0. 104	0. 000999	Mcy	TMEM132B

GCSH. 6	6. 72E-08	-0. 42081	0. 242	0. 349	0. 001004	Mcy	GCSH
LHFPL3. 6	6. 79E-08	-0. 3153	0. 015	0. 122	0. 001014	Mcy	LHFPL3
HNRNPA3. 2	6. 89E-08	0. 204007	0. 729	0. 55	0. 00103	Mcy	HNRNPA3
TGFB1I1. 5	6. 93E-08	-0. 25354	0. 018	0. 129	0. 001036	Mcy	TGFB1I1
PINK1. 4	7. 02E-08	-0. 3157	0. 077	0. 21	0. 001049	Mcy	PINK1
HIST1H1B	7. 03E-08	0. 191825	0. 04	0. 009	0. 001051	Mcy	HIST1H1B
DBF4. 4	7. 07E-08	0. 173298	0. 227	0. 118	0. 001057	Mcy	DBF4
SLC04A1. 3	7. 11E-08	0. 110355	0. 095	0. 034	0. 001063	Mcy	SLC04A1
RAN. 4	7. 16E-08	0. 179047	0. 923	0. 753	0. 001069	Mcy	RAN
NUP85. 3	7. 17E-08	0. 183743	0. 227	0. 121	0. 001072	Mcy	NUP85
TRAIP	7. 28E-08	0. 154645	0. 088	0. 031	0. 001088	Mcy	TRAIP
TUBB4A. 6	7. 37E-08	-0. 50435	0. 015	0. 12	0. 001101	Mcy	TUBB4A
NIPA2. 3	7. 49E-08	0. 229551	0. 399	0. 261	0. 001119	Mcy	NIPA2
TRIM47. 6	7. 55E-08	-0. 3138	0. 055	0. 183	0. 001129	Mcy	TRIM47
PLGRKT. 2	7. 57E-08	0. 177753	0. 41	0. 264	0. 001132	Mcy	PLGRKT
RP11-14N7	7. 59E-08	-0. 32446	0. 073	0. 208	0. 001134	Mcy	RP11-14N7. 2
ZBTB7B. 2	7. 60E-08	0. 163193	0. 106	0. 04	0. 001136	Mcy	ZBTB7B
ROBO2. 5	7. 63E-08	-0. 21678	0. 007	0. 11	0. 00114	Mcy	ROBO2
SLC12A9. 5	7. 70E-08	0. 226665	0. 33	0. 198	0. 001151	Mcy	SLC12A9
AGAP1. 4	7. 73E-08	-0. 27035	0. 015	0. 122	0. 001155	Mcy	AGAP1
RP1-39G22	7. 74E-08	-0. 26364	0. 022	0. 133	0. 001157	Mcy	RP1-39G22. 7
C2orf80. 5	7. 83E-08	-0. 30981	0. 015	0. 121	0. 00117	Mcy	C2orf80
RP11-262H	7. 84E-08	-0. 27918	0. 015	0. 121	0. 001172	Mcy	RP11-262H14. 4
PLEKHB1. 4	8. 00E-08	-0. 51103	0. 084	0. 216	0. 001196	Mcy	PLEKHB1
CCDC80. 5	8. 02E-08	-0. 35562	0. 011	0. 115	0. 001199	Mcy	CCDC80
XBP1. 6	8. 07E-08	0. 155423	0. 553	0. 367	0. 001206	Mcy	XBP1
PFKL. 5	8. 11E-08	0. 210116	0. 513	0. 36	0. 001212	Mcy	PFKL
DNASE1L1. 8	8. 12E-08	0. 152501	0. 158	0. 07	0. 001213	Mcy	DNASE1L1
GSTK1. 4	8. 17E-08	0. 110253	0. 707	0. 526	0. 00122	Mcy	GSTK1
IFNAR1. 4	8. 36E-08	0. 2087	0. 429	0. 286	0. 001249	Mcy	IFNAR1
CMTM5. 5	8. 37E-08	-0. 50171	0. 004	0. 102	0. 001251	Mcy	CMTM5
SEZ6L. 5	8. 39E-08	-0. 34485	0. 026	0. 138	0. 001254	Mcy	SEZ6L
TM4SF1. 6	8. 47E-08	-0. 32477	0. 011	0. 115	0. 001266	Mcy	TM4SF1
FIBP. 3	8. 49E-08	0. 177942	0. 681	0. 478	0. 001268	Mcy	FIBP
YES1. 3	8. 53E-08	-0. 24797	0. 022	0. 133	0. 001274	Mcy	YES1
LINC00685	8. 54E-08	-0. 24838	0. 033	0. 152	0. 001276	Mcy	LINC00685
PRIM2. 1	8. 63E-08	0. 176737	0. 128	0. 054	0. 001289	Mcy	PRIM2
CA12. 6	8. 71E-08	-0. 21794	0. 026	0. 139	0. 001301	Mcy	CA12
TNFAIP2. 4	8. 78E-08	0. 180176	0. 161	0. 073	0. 001313	Mcy	TNFAIP2
MT1M. 4	8. 90E-08	-0. 42658	0. 103	0. 247	0. 001331	Mcy	MT1M
ETHE1. 2	9. 21E-08	0. 20044	0. 429	0. 285	0. 001377	Mcy	ETHE1
EFNB2. 5	9. 22E-08	-0. 19582	0. 004	0. 102	0. 001377	Mcy	EFNB2
ARHGDI1. 5	9. 30E-08	0. 223083	0. 733	0. 56	0. 00139	Mcy	ARHGDI1
DCBLD2. 5	9. 37E-08	-0. 23265	0. 029	0. 146	0. 001401	Mcy	DCBLD2
CKAP4. 4	9. 40E-08	-0. 25144	0. 077	0. 213	0. 001405	Mcy	CKAP4
SMIM12. 1	9. 41E-08	0. 199939	0. 443	0. 299	0. 001406	Mcy	SMIM12
DNALI1. 5	9. 44E-08	-0. 25581	0. 011	0. 115	0. 001411	Mcy	DNALI1
PRKCDBP. 2	9. 54E-08	0. 174069	0. 088	0. 031	0. 001425	Mcy	PRKCDBP
CPNE4. 4	9. 59E-08	-0. 19721	0	0. 095	0. 001433	Mcy	CPNE4
CREB3L2. 5	9. 60E-08	0. 185255	0. 231	0. 121	0. 001435	Mcy	CREB3L2
ZCCHC10. 1	9. 68E-08	0. 199963	0. 37	0. 23	0. 001447	Mcy	ZCCHC10

SALL1.5	9.75E-08	-0.24883	0.026	0.14	0.001457	Mcy	SALL1
ZNF771.5	9.80E-08	-0.24965	0.033	0.149	0.001465	Mcy	ZNF771
SLC31A1.4	9.81E-08	0.180763	0.289	0.165	0.001465	Mcy	SLC31A1
YPEL3.3	9.81E-08	-0.39319	0.11	0.248	0.001466	Mcy	YPEL3
SSBP2.6	9.84E-08	-0.38514	0.125	0.273	0.00147	Mcy	SSBP2
INF2.4	1.01E-07	0.219485	0.176	0.083	0.001507	Mcy	INF2
HAUS6.2	1.01E-07	0.159214	0.179	0.087	0.00151	Mcy	HAUS6
POLR1D.4	1.01E-07	0.220132	0.571	0.412	0.001513	Mcy	POLR1D
ALKBH2.6	1.02E-07	-0.24573	0.066	0.198	0.001527	Mcy	ALKBH2
GABPB1.3	1.03E-07	0.190723	0.205	0.105	0.001537	Mcy	GABPB1
OSBPL6.3	1.04E-07	-0.26209	0.04	0.159	0.001552	Mcy	OSBPL6
PRR4.6	1.04E-07	-0.33212	0.084	0.219	0.001553	Mcy	PRR4
CLDN7.2	1.04E-07	0.124586	0.062	0.018	0.00156	Mcy	CLDN7
CASC15.5	1.05E-07	-0.26948	0.004	0.102	0.001573	Mcy	CASC15
SLC38A1.3	1.05E-07	-0.39951	0.033	0.144	0.001575	Mcy	SLC38A1
SDSL.5	1.07E-07	0.211947	0.308	0.184	0.001598	Mcy	SDSL
KLHL13.5	1.08E-07	-0.21746	0.004	0.101	0.00162	Mcy	KLHL13
KLRC2.5	1.10E-07	-0.38022	0.011	0.112	0.00164	Mcy	KLRC2
SLC8A1.5	1.10E-07	0.116401	0.264	0.142	0.001645	Mcy	SLC8A1
IDH3A	1.12E-07	0.193004	0.289	0.171	0.001675	Mcy	IDH3A
PSMB2.3	1.13E-07	0.121945	0.758	0.569	0.001682	Mcy	PSMB2
RBM38.4	1.14E-07	-0.26036	0.026	0.138	0.001697	Mcy	RBM38
ST8SIA1.4	1.18E-07	-0.21287	0	0.094	0.001762	Mcy	ST8SIA1
ZNF106.5	1.18E-07	0.175895	0.399	0.254	0.001762	Mcy	ZNF106
C12orf75.1	1.18E-07	0.238417	0.315	0.19	0.001763	Mcy	C12orf75
SERPINF2.1	1.18E-07	0.103823	0.077	0.025	0.001767	Mcy	SERPINF2
AQP4.5	1.19E-07	-0.46904	0.048	0.168	0.001773	Mcy	AQP4
GTF2IRD2.1	1.19E-07	-0.29908	0.015	0.119	0.001781	Mcy	GTF2IRD2
DHCR7.5	1.20E-07	-0.35574	0.059	0.18	0.001789	Mcy	DHCR7
ZNF493.4	1.20E-07	-0.27741	0.04	0.161	0.001794	Mcy	ZNF493
RBX1.5	1.20E-07	0.191971	0.839	0.661	0.001796	Mcy	RBX1
MAGI2.5	1.21E-07	-0.258	0.007	0.107	0.001805	Mcy	MAGI2
STXBP1.5	1.22E-07	-0.28292	0.018	0.123	0.001828	Mcy	STXBP1
ASTN1.3	1.23E-07	-0.20559	0	0.093	0.001842	Mcy	ASTN1
FXN.2	1.24E-07	0.248625	0.209	0.11	0.00185	Mcy	FXN
DLX1.6	1.27E-07	-0.40146	0.015	0.117	0.001891	Mcy	DLX1
ATL1.3	1.27E-07	-0.31228	0.015	0.118	0.001896	Mcy	ATL1
CNKSR3.5	1.28E-07	-0.22076	0.015	0.12	0.001911	Mcy	CNKSR3
GNA13.6	1.29E-07	0.102066	0.315	0.177	0.001928	Mcy	GNA13
IFRD2.1	1.29E-07	0.261732	0.326	0.206	0.00193	Mcy	IFRD2
DAGLB.5	1.29E-07	0.139435	0.231	0.118	0.001932	Mcy	DAGLB
PPA2.2	1.29E-07	0.167328	0.458	0.312	0.001935	Mcy	PPA2
CD200.6	1.31E-07	-0.29611	0.011	0.112	0.001952	Mcy	CD200
GSPT2.4	1.31E-07	-0.29223	0.037	0.152	0.001964	Mcy	GSPT2
PAICS.5	1.34E-07	0.195004	0.458	0.305	0.001998	Mcy	PAICS
FEZ2.5	1.35E-07	-0.39028	0.341	0.451	0.002017	Mcy	FEZ2
SOCS3.5	1.35E-07	0.150123	0.527	0.344	0.002018	Mcy	SOCS3
AKR7A2.2	1.36E-07	0.202025	0.462	0.311	0.002036	Mcy	AKR7A2
TP53I11.4	1.37E-07	0.161183	0.158	0.071	0.002055	Mcy	TP53I11
SP140L.2	1.39E-07	0.100723	0.165	0.076	0.002073	Mcy	SP140L
TMEM70.5	1.40E-07	0.136021	0.564	0.391	0.002089	Mcy	TMEM70

TFRC. 5	1. 40E-07	0. 14317	0. 348	0. 206	0. 00209 Mcy	TFRC
LDLRAD3. 5	1. 40E-07	-0. 27827	0. 055	0. 179	0. 002093 Mcy	LDLRAD3
FBXO4	1. 41E-07	0. 172002	0. 209	0. 108	0. 002111 Mcy	FBXO4
VAMP3. 4	1. 42E-07	0. 178483	0. 502	0. 345	0. 002115 Mcy	VAMP3
GLO1. 4	1. 42E-07	0. 161355	0. 579	0. 406	0. 002122 Mcy	GLO1
ZNF181. 4	1. 42E-07	-0. 24578	0. 004	0. 099	0. 002129 Mcy	ZNF181
MMP16. 4	1. 44E-07	-0. 23551	0. 007	0. 105	0. 002155 Mcy	MMP16
CUEDC2. 3	1. 45E-07	0. 161904	0. 557	0. 397	0. 002168 Mcy	CUEDC2
PALM. 4	1. 46E-07	-0. 21294	0. 007	0. 106	0. 002181 Mcy	PALM
KPNB1. 5	1. 48E-07	0. 245534	0. 597	0. 444	0. 002215 Mcy	KPNB1
CARD11. 4	1. 49E-07	0. 101673	0. 081	0. 027	0. 002222 Mcy	CARD11
RP11-345F	1. 50E-07	-0. 28369	0. 048	0. 167	0. 002238 Mcy	RP11-345P4. 9
DNM2. 4	1. 51E-07	0. 179091	0. 374	0. 239	0. 002259 Mcy	DNM2
SRGAP3. 4	1. 53E-07	-0. 27859	0. 033	0. 148	0. 002285 Mcy	SRGAP3
PTPRF. 6	1. 57E-07	-0. 27314	0. 015	0. 118	0. 002344 Mcy	PTPRF
PMF1. 2	1. 57E-07	0. 185691	0. 462	0. 317	0. 002352 Mcy	PMF1
CRISPLD1. 1	1. 58E-07	-0. 24817	0	0. 092	0. 002367 Mcy	CRISPLD1
BCAP29. 2	1. 59E-07	0. 16861	0. 469	0. 313	0. 002378 Mcy	BCAP29
SOX12. 5	1. 60E-07	-0. 12058	0. 015	0. 118	0. 002395 Mcy	SOX12
ACAP1. 5	1. 60E-07	0. 116806	0. 165	0. 078	0. 002396 Mcy	ACAP1
CISD2. 3	1. 60E-07	0. 198518	0. 557	0. 4	0. 002397 Mcy	CISD2
SLC39A1. 3	1. 60E-07	0. 149851	0. 546	0. 383	0. 002397 Mcy	SLC39A1
B3GAT1. 5	1. 61E-07	-0. 29182	0	0. 092	0. 002402 Mcy	B3GAT1
RHBDD2. 5	1. 62E-07	-0. 33235	0. 352	0. 462	0. 002423 Mcy	RHBDD2
NUBP1. 4	1. 62E-07	0. 175588	0. 348	0. 215	0. 002425 Mcy	NUBP1
PTX3. 5	1. 66E-07	-0. 30611	0. 015	0. 117	0. 002477 Mcy	PTX3
RAB11A. 2	1. 67E-07	0. 202922	0. 623	0. 463	0. 002489 Mcy	RAB11A
ASL. 4	1. 67E-07	0. 104581	0. 293	0. 168	0. 002499 Mcy	ASL
RP11-733C	1. 68E-07	0. 100561	0. 044	0. 01	0. 00251 Mcy	RP11-733018. 1
AKT1. 2	1. 71E-07	0. 315988	0. 249	0. 144	0. 002553 Mcy	AKT1
PLEKHB2. 5	1. 74E-07	0. 241129	0. 538	0. 396	0. 002604 Mcy	PLEKHB2
EMILIN2. 5	1. 76E-07	0. 176854	0. 165	0. 078	0. 002627 Mcy	EMILIN2
IFT57. 6	1. 76E-07	-0. 41022	0. 114	0. 25	0. 002629 Mcy	IFT57
SLC4A4. 4	1. 77E-07	-0. 28613	0. 011	0. 111	0. 002641 Mcy	SLC4A4
PPIB. 2	1. 79E-07	0. 164382	0. 905	0. 72	0. 002668 Mcy	PPIB
PNMAL1. 5	1. 80E-07	-0. 23063	0. 004	0. 098	0. 002684 Mcy	PNMAL1
AVIL. 4	1. 81E-07	-0. 29269	0	0. 091	0. 002702 Mcy	AVIL
FOS. 4	1. 85E-07	-0. 30778	0. 89	0. 84	0. 002762 Mcy	FOS
ZNF680. 4	1. 85E-07	-0. 31273	0. 055	0. 177	0. 002764 Mcy	ZNF680
MARCH1. 6	1. 91E-07	0. 162417	0. 337	0. 187	0. 002848 Mcy	1-Mar
PARVA. 5	1. 94E-07	-0. 19642	0. 004	0. 098	0. 002903 Mcy	PARVA
KCNE3. 5	1. 95E-07	0. 123287	0. 077	0. 025	0. 002907 Mcy	KCNE3
LRRC4C. 4	1. 95E-07	-0. 2913	0. 004	0. 098	0. 002915 Mcy	LRRC4C
BNIP2. 6	1. 95E-07	0. 179499	0. 399	0. 261	0. 00292 Mcy	BNIP2
DERL2. 3	1. 96E-07	0. 196193	0. 495	0. 349	0. 002925 Mcy	DERL2
SDHA. 1	2. 01E-07	0. 235529	0. 447	0. 302	0. 003003 Mcy	SDHA
PDLIM3. 5	2. 02E-07	-0. 27041	0. 015	0. 116	0. 003022 Mcy	PDLIM3
TMEM255A. 2	2. 03E-07	-0. 21685	0. 007	0. 105	0. 003027 Mcy	TMEM255A
RP11-395G	2. 03E-07	-0. 31082	0. 059	0. 18	0. 00304 Mcy	RP11-395G23. 3
AKAP6. 5	2. 04E-07	-0. 22845	0. 007	0. 104	0. 003044 Mcy	AKAP6
ZDHHC9. 6	2. 06E-07	-0. 34501	0. 051	0. 17	0. 003078 Mcy	ZDHHC9



USP36.5	2.08E-07	0.286282	0.245	0.136	0.003109	Mcy	USP36
TSR2.1	2.08E-07	0.226366	0.381	0.244	0.00311	Mcy	TSR2
RBM17.3	2.08E-07	0.189912	0.513	0.365	0.003114	Mcy	RBM17
IGF2BP3.5	2.09E-07	-0.20915	0.011	0.11	0.003124	Mcy	IGF2BP3
ADD2.4	2.09E-07	-0.2355	0	0.09	0.00313	Mcy	ADD2
GAN.4	2.10E-07	-0.2869	0.033	0.144	0.003138	Mcy	GAN
GADD45G.5	2.14E-07	-0.50268	0.136	0.258	0.0032	Mcy	GADD45G
DUSP22.6	2.17E-07	0.111042	0.212	0.109	0.003247	Mcy	DUSP22
LINC01116	2.18E-07	-0.24797	0.026	0.135	0.003256	Mcy	LINC01116
AHCY.2	2.19E-07	0.225816	0.429	0.291	0.003276	Mcy	AHCY
FAM92A1.4	2.22E-07	-0.32938	0.077	0.204	0.003317	Mcy	FAM92A1
SAC3D1.6	2.23E-07	0.330828	0.275	0.167	0.00333	Mcy	SAC3D1
PPP2R5C.2	2.26E-07	0.16996	0.385	0.254	0.003373	Mcy	PPP2R5C
TMEM178A	2.26E-07	-0.26721	0.018	0.121	0.003378	Mcy	TMEM178A
FAM222B.5	2.26E-07	-0.21844	0.015	0.116	0.003383	Mcy	FAM222B
CACYBP.2	2.29E-07	0.146029	0.67	0.502	0.003417	Mcy	CACYBP
ARPC2.5	2.30E-07	0.193027	0.938	0.77	0.003434	Mcy	ARPC2
SQLE.4	2.36E-07	-0.36912	0.121	0.252	0.003526	Mcy	SQLE
RP11-660L	2.39E-07	-0.28157	0.022	0.126	0.003572	Mcy	RP11-660L16.2
PSMC1.3	2.40E-07	0.200663	0.52	0.381	0.003581	Mcy	PSMC1
DIRAS1.4	2.41E-07	-0.23327	0.015	0.115	0.003601	Mcy	DIRAS1
C9orf64	2.43E-07	0.102822	0.147	0.066	0.003626	Mcy	C9orf64
MSM01.5	2.44E-07	-0.3099	0.077	0.204	0.003648	Mcy	MSM01
MBOAT2.5	2.44E-07	-0.30542	0.062	0.184	0.003651	Mcy	MBOAT2
AUTS2.6	2.47E-07	-0.25505	0.018	0.121	0.003698	Mcy	AUTS2
GPX4.3	2.54E-07	-0.14656	0.908	0.841	0.003799	Mcy	GPX4
RP11-25K1	2.55E-07	-0.21981	0.007	0.103	0.003814	Mcy	RP11-25K19.1
ARMCX1.5	2.56E-07	-0.37366	0.088	0.216	0.003828	Mcy	ARMCX1
FGFBP3.5	2.57E-07	-0.22263	0.007	0.102	0.003845	Mcy	FGFBP3
TMSB15B.5	2.59E-07	-0.35355	0.066	0.184	0.003864	Mcy	TMSB15B
IGFBP7.4	2.59E-07	-0.59795	0.154	0.272	0.003875	Mcy	IGFBP7
LGALS8.4	2.59E-07	0.176686	0.264	0.149	0.003878	Mcy	LGALS8
NLGN3.5	2.61E-07	-0.22374	0.015	0.116	0.003906	Mcy	NLGN3
STEAP3.3	2.61E-07	0.131062	0.278	0.159	0.003907	Mcy	STEAP3
MEIS1.6	2.65E-07	-0.20999	0	0.089	0.003958	Mcy	MEIS1
USP53.6	2.65E-07	0.112421	0.26	0.138	0.003961	Mcy	USP53
AC004951	2.67E-07	-0.24572	0.044	0.159	0.003996	Mcy	AC004951.6
CDH4.5	2.69E-07	-0.20771	0	0.089	0.004017	Mcy	CDH4
SYBU.4	2.69E-07	-0.22633	0	0.089	0.004017	Mcy	SYBU
KIF3B.6	2.71E-07	-0.21016	0.026	0.132	0.004045	Mcy	KIF3B
DUSP15.5	2.73E-07	-0.19176	0.004	0.095	0.004085	Mcy	DUSP15
KIAA1549	2.74E-07	-0.23006	0.004	0.096	0.004088	Mcy	KIAA1549
REL.6	2.74E-07	0.130705	0.473	0.294	0.004089	Mcy	REL
VNN1.1	2.78E-07	0.104515	0.044	0.011	0.004162	Mcy	VNN1
CDC25B.4	2.80E-07	0.223167	0.311	0.191	0.004182	Mcy	CDC25B
PSMB3.3	2.83E-07	0.197458	0.894	0.699	0.004224	Mcy	PSMB3
SDHD.4	2.84E-07	0.104576	0.553	0.392	0.004238	Mcy	SDHD
FLVCR2.3	2.87E-07	0.143375	0.092	0.033	0.004283	Mcy	FLVCR2
NLGN4X.4	2.91E-07	-0.2253	0.011	0.108	0.004352	Mcy	NLGN4X
UPF2.2	2.92E-07	0.165716	0.344	0.214	0.004363	Mcy	UPF2
RAB3IL1.4	2.93E-07	0.202856	0.088	0.032	0.00438	Mcy	RAB3IL1

HMBOX1. 5	2. 98E-07	-0. 35755	0. 073	0. 196	0. 004459 Mcy	HMBOX1
PTPN13. 4	3. 01E-07	-0. 20326	0. 004	0. 095	0. 004497 Mcy	PTPN13
CYB5B. 3	3. 04E-07	0. 189404	0. 484	0. 334	0. 004544 Mcy	CYB5B
WHSC1. 5	3. 05E-07	0. 265414	0. 26	0. 151	0. 004559 Mcy	WHSC1
NR2F6. 5	3. 05E-07	-0. 20467	0. 033	0. 143	0. 00456 Mcy	NR2F6
SAR1B. 2	3. 07E-07	0. 159469	0. 465	0. 319	0. 004593 Mcy	SAR1B
STOX2. 6	3. 09E-07	-0. 25587	0. 004	0. 094	0. 004617 Mcy	STOX2
LLPH. 2	3. 09E-07	0. 184036	0. 399	0. 265	0. 004623 Mcy	LLPH
SOX21. 3	3. 11E-07	-0. 18691	0. 004	0. 095	0. 004641 Mcy	SOX21
GTF2A2. 2	3. 16E-07	0. 130898	0. 659	0. 495	0. 004722 Mcy	GTF2A2
MRAS. 3	3. 17E-07	-0. 3007	0. 055	0. 17	0. 004742 Mcy	MRAS
SAMM50. 3	3. 17E-07	0. 175253	0. 337	0. 212	0. 004744 Mcy	SAMM50
PTPN2. 5	3. 23E-07	0. 124769	0. 388	0. 245	0. 004827 Mcy	PTPN2
PTDSS1. 3	3. 25E-07	0. 188341	0. 322	0. 199	0. 004854 Mcy	PTDSS1
VCP. 2	3. 25E-07	0. 239983	0. 575	0. 428	0. 004856 Mcy	VCP
FAXC. 5	3. 25E-07	-0. 24254	0	0. 088	0. 004859 Mcy	FAXC
SNRNP48. 1	3. 29E-07	0. 183589	0. 205	0. 108	0. 004923 Mcy	SNRNP48
RARRES2. 5	3. 30E-07	-0. 69392	0. 044	0. 152	0. 004935 Mcy	RARRES2
TMEM35. 5	3. 33E-07	-0. 28417	0. 004	0. 094	0. 004982 Mcy	TMEM35
VDAC3. 2	3. 34E-07	0. 119924	0. 63	0. 46	0. 004996 Mcy	VDAC3
SNCAIP. 5	3. 35E-07	-0. 21315	0	0. 087	0. 005003 Mcy	SNCAIP
DYNC1LI2. 3	3. 36E-07	-0. 41432	0. 22	0. 347	0. 005014 Mcy	DYNC1LI2
KIAA1191. 3	3. 39E-07	-0. 35434	0. 132	0. 267	0. 005069 Mcy	KIAA1191
NAV2. 3	3. 43E-07	-0. 23932	0. 018	0. 12	0. 005131 Mcy	NAV2
TPRKB. 3	3. 44E-07	0. 220238	0. 498	0. 36	0. 005141 Mcy	TPRKB
TPT1-AS1. 3	3. 44E-07	-0. 28242	0. 033	0. 141	0. 005145 Mcy	TPT1-AS1
FBLN1. 5	3. 45E-07	-0. 33186	0	0. 087	0. 005152 Mcy	FBLN1
TMEM121. 5	3. 48E-07	-0. 19349	0. 011	0. 108	0. 005208 Mcy	TMEM121
LDLR. 3	3. 49E-07	-0. 25068	0. 007	0. 101	0. 005215 Mcy	LDLR
TSKU. 4	3. 50E-07	-0. 18181	0	0. 087	0. 005228 Mcy	TSKU
DNAJB9. 3	3. 52E-07	-0. 5145	0. 267	0. 388	0. 005254 Mcy	DNAJB9
SLBP. 4	3. 52E-07	0. 222522	0. 443	0. 308	0. 005266 Mcy	SLBP
GM2A. 5	3. 52E-07	0. 148443	0. 256	0. 141	0. 005267 Mcy	GM2A
TYK2	3. 54E-07	0. 203214	0. 216	0. 118	0. 005286 Mcy	TYK2
LONRF2. 4	3. 55E-07	-0. 22225	0. 004	0. 094	0. 005303 Mcy	LONRF2
SLC9A9. 5	3. 56E-07	0. 189471	0. 161	0. 076	0. 005316 Mcy	SLC9A9
YWHAH. 6	3. 62E-07	0. 213517	0. 703	0. 562	0. 005408 Mcy	YWHAH
LUC7L3. 4	3. 63E-07	-0. 32507	0. 418	0. 513	0. 005419 Mcy	LUC7L3
SLC50A1. 5	3. 64E-07	0. 237549	0. 282	0. 165	0. 00544 Mcy	SLC50A1
TMA7. 4	3. 64E-07	-0. 13026	0. 901	0. 85	0. 005446 Mcy	TMA7
UBQLN2. 6	3. 70E-07	-0. 33392	0. 099	0. 223	0. 005527 Mcy	UBQLN2
SLN. 3	3. 73E-07	-0. 74683	0. 051	0. 164	0. 005572 Mcy	SLN
MAOB. 4	3. 75E-07	-0. 34854	0. 007	0. 101	0. 005605 Mcy	MAOB
SLC35G2. 6	3. 80E-07	-0. 27738	0. 018	0. 119	0. 005682 Mcy	SLC35G2
ZBTB8A. 5	3. 82E-07	-0. 27971	0. 011	0. 106	0. 005702 Mcy	ZBTB8A
AKAP8L. 4	3. 86E-07	-0. 3241	0. 121	0. 252	0. 00577 Mcy	AKAP8L
RHOB. 3	3. 86E-07	-0. 33514	0. 56	0. 61	0. 005775 Mcy	RHOB
PITX1. 5	3. 87E-07	-0. 16109	0	0. 087	0. 005791 Mcy	PITX1
TNFRSF19. 3	3. 89E-07	-0. 17874	0. 011	0. 107	0. 005809 Mcy	TNFRSF19
MCC. 4	3. 90E-07	-0. 22091	0. 022	0. 124	0. 005822 Mcy	MCC
GOT1	3. 93E-07	0. 165544	0. 234	0. 129	0. 005876 Mcy	GOT1

DLL3. 5	3. 94E-07	-0. 49621	0. 04	0. 146	0. 005892	Mcy	DLL3
RECQL. 3	3. 98E-07	0. 190264	0. 286	0. 17	0. 005941	Mcy	RECQL
ACAT1. 2	3. 98E-07	0. 148529	0. 52	0. 362	0. 005949	Mcy	ACAT1
MPC2. 3	4. 00E-07	0. 10047	0. 736	0. 578	0. 005972	Mcy	MPC2
WRB. 5	4. 03E-07	-0. 40739	0. 282	0. 423	0. 006021	Mcy	WRB
GTF2IRD2E	4. 04E-07	-0. 27994	0. 033	0. 139	0. 006044	Mcy	GTF2IRD2B
BCAM. 4	4. 05E-07	-0. 23457	0. 015	0. 111	0. 006049	Mcy	BCAM
NDUFAF3. 2	4. 08E-07	0. 182075	0. 681	0. 513	0. 006098	Mcy	NDUFAF3
TNFRSF10D	4. 13E-07	0. 124051	0. 044	0. 011	0. 006174	Mcy	TNFRSF10D
NBR1. 1	4. 15E-07	-0. 35207	0. 073	0. 192	0. 006205	Mcy	NBR1
TLE2. 5	4. 16E-07	-0. 24186	0. 004	0. 093	0. 006215	Mcy	TLE2
CACNG7. 4	4. 23E-07	-0. 18254	0	0. 086	0. 006321	Mcy	CACNG7
TULP4. 5	4. 23E-07	-0. 28202	0. 037	0. 145	0. 006326	Mcy	TULP4
PDCD10. 2	4. 25E-07	0. 189972	0. 41	0. 28	0. 006349	Mcy	PDCD10
GPI. 3	4. 27E-07	0. 17662	0. 502	0. 353	0. 006385	Mcy	GPI
CDC34. 5	4. 27E-07	-0. 32656	0. 11	0. 238	0. 006387	Mcy	CDC34
ZC3H6. 4	4. 33E-07	-0. 31557	0. 04	0. 149	0. 006477	Mcy	ZC3H6
CCND3. 4	4. 34E-07	0. 102867	0. 396	0. 256	0. 006484	Mcy	CCND3
N4BP2L2. 2	4. 36E-07	-0. 29086	0. 41	0. 519	0. 006509	Mcy	N4BP2L2
ILF3-AS1. 4	4. 36E-07	-0. 35945	0. 172	0. 313	0. 006521	Mcy	ILF3-AS1
ELN. 4	4. 39E-07	-0. 35194	0. 015	0. 11	0. 006562	Mcy	ELN
HIP1R. 5	4. 43E-07	-0. 27993	0. 015	0. 111	0. 006626	Mcy	HIP1R
DERL1. 3	4. 45E-07	0. 165721	0. 458	0. 309	0. 006648	Mcy	DERL1
P4HA1. 2	4. 48E-07	0. 145356	0. 355	0. 221	0. 0067	Mcy	P4HA1
ENC1. 6	4. 51E-07	-0. 3907	0. 103	0. 227	0. 006745	Mcy	ENC1
ZNF580. 5	4. 53E-07	-0. 37974	0. 172	0. 294	0. 006776	Mcy	ZNF580
UTP6. 2	4. 60E-07	0. 215451	0. 33	0. 206	0. 006879	Mcy	UTP6
ZNF521. 4	4. 62E-07	-0. 19178	0	0. 086	0. 006899	Mcy	ZNF521
MCM8	4. 63E-07	0. 111581	0. 099	0. 039	0. 006913	Mcy	MCM8
GPAA1. 3	4. 65E-07	0. 230782	0. 538	0. 39	0. 00695	Mcy	GPAA1
SFXN4. 1	4. 66E-07	0. 157679	0. 209	0. 112	0. 006957	Mcy	SFXN4
TRIM59	4. 66E-07	0. 124683	0. 07	0. 023	0. 006969	Mcy	TRIM59
SLC2A3. 5	4. 74E-07	0. 108172	0. 41	0. 251	0. 007087	Mcy	SLC2A3
OAS2. 2	4. 75E-07	0. 196489	0. 099	0. 038	0. 007104	Mcy	OAS2
SCAMP5. 4	4. 80E-07	-0. 23472	0. 007	0. 098	0. 007172	Mcy	SCAMP5
ZFP82. 4	4. 82E-07	-0. 22759	0. 015	0. 111	0. 007205	Mcy	ZFP82
JAM2. 6	4. 84E-07	-0. 32705	0. 117	0. 256	0. 007226	Mcy	JAM2
TEAD2. 5	4. 84E-07	-0. 18655	0. 004	0. 092	0. 00723	Mcy	TEAD2
MARCH6. 5	4. 84E-07	-0. 30927	0. 231	0. 36	0. 007238	Mcy	6-Mar
SLC4A3. 3	4. 87E-07	-0. 20394	0. 004	0. 092	0. 007272	Mcy	SLC4A3
RGS6. 4	4. 91E-07	-0. 19009	0. 004	0. 092	0. 007332	Mcy	RGS6
TOMM22. 5	4. 99E-07	0. 257958	0. 623	0. 465	0. 007462	Mcy	TOMM22
HRH1. 5	5. 03E-07	-0. 25462	0. 007	0. 098	0. 007523	Mcy	HRH1
NFKB1. 6	5. 04E-07	0. 143791	0. 198	0. 102	0. 007531	Mcy	NFKB1
ETFA. 4	5. 08E-07	0. 141909	0. 524	0. 368	0. 007597	Mcy	ETFA
RBL1. 1	5. 13E-07	0. 135041	0. 114	0. 048	0. 007661	Mcy	RBL1
PDE4DIP. 3	5. 13E-07	-0. 40602	0. 136	0. 267	0. 007661	Mcy	PDE4DIP
ZNRF1. 6	5. 13E-07	-0. 16509	0. 018	0. 118	0. 007662	Mcy	ZNRF1
MPPED2. 4	5. 13E-07	-0. 2358	0. 004	0. 092	0. 007672	Mcy	MPPED2
GPR162. 4	5. 13E-07	-0. 23884	0. 011	0. 104	0. 007673	Mcy	GPR162
PAM. 5	5. 17E-07	-0. 25076	0. 051	0. 167	0. 007728	Mcy	PAM

PJA1. 4	5. 44E-07	-0. 35005	0. 077	0. 195	0. 008131 Mcy	PJA1
PBDC1. 1	5. 47E-07	0. 174598	0. 392	0. 257	0. 008176 Mcy	PBDC1
ITGA7. 4	5. 52E-07	-0. 20872	0. 033	0. 139	0. 008243 Mcy	ITGA7
CACNA1A. 5	5. 58E-07	-0. 32295	0. 007	0. 098	0. 008345 Mcy	CACNA1A
YAE1D1. 4	5. 60E-07	-0. 33117	0. 051	0. 163	0. 008368 Mcy	YAE1D1
TANC1. 4	5. 60E-07	-0. 20309	0. 015	0. 11	0. 008372 Mcy	TANC1
BSDC1. 4	5. 67E-07	-0. 34019	0. 161	0. 294	0. 008477 Mcy	BSDC1
C15orf48. 5	5. 68E-07	0. 100707	0. 15	0. 067	0. 008482 Mcy	C15orf48
GNAI3. 3	5. 76E-07	0. 166317	0. 542	0. 389	0. 008604 Mcy	GNAI3
NTN1. 3	5. 91E-07	-0. 17835	0	0. 084	0. 008838 Mcy	NTN1
PI4K2A. 5	5. 94E-07	0. 146882	0. 139	0. 063	0. 008876 Mcy	PI4K2A
ZHX3. 4	5. 95E-07	-0. 21565	0. 022	0. 122	0. 008893 Mcy	ZHX3
CYFIP2. 5	5. 99E-07	-0. 25869	0. 018	0. 116	0. 008957 Mcy	CYFIP2
PDGFC. 3	6. 00E-07	-0. 21492	0. 022	0. 122	0. 008959 Mcy	PDGFC
TRIOBP. 2	6. 02E-07	0. 261402	0. 168	0. 087	0. 008997 Mcy	TRIOBP
PIANP. 4	6. 09E-07	-0. 18747	0	0. 084	0. 009099 Mcy	PIANP
UBAC1. 4	6. 14E-07	0. 227569	0. 333	0. 215	0. 009174 Mcy	UBAC1
KALRN. 4	6. 23E-07	-0. 21468	0. 007	0. 097	0. 009316 Mcy	KALRN
PTP4A3. 3	6. 46E-07	-0. 22136	0. 004	0. 09	0. 009652 Mcy	PTP4A3
CEP76. 1	6. 49E-07	0. 123725	0. 106	0. 043	0. 0097 Mcy	CEP76
FAM184B. 2	6. 53E-07	-0. 26078	0. 015	0. 11	0. 009751 Mcy	FAM184B
PDLIM2. 4	6. 53E-07	-0. 34901	0. 114	0. 243	0. 009758 Mcy	PDLIM2
SYNCRIP. 4	6. 55E-07	0. 193408	0. 524	0. 38	0. 009785 Mcy	SYNCRIP
SLC36A1. 1	6. 60E-07	0. 171221	0. 081	0. 029	0. 009858 Mcy	SLC36A1
TTC38. 1	6. 60E-07	0. 185177	0. 172	0. 087	0. 009863 Mcy	TTC38
RP11-390E	6. 61E-07	-0. 31622	0. 026	0. 127	0. 00988 Mcy	RP11-390E23. 6
RAC3. 5	6. 64E-07	-0. 24206	0. 066	0. 186	0. 009928 Mcy	RAC3
SPR. 1	6. 71E-07	0. 154157	0. 154	0. 073	0. 010027 Mcy	SPR
CAV1. 6	6. 76E-07	-0. 7718	0. 029	0. 129	0. 010103 Mcy	CAV1
LRWD1. 3	6. 78E-07	-0. 27721	0. 059	0. 173	0. 010126 Mcy	LRWD1
FNIP2. 5	6. 83E-07	0. 11812	0. 326	0. 192	0. 01021 Mcy	FNIP2
PRCP. 3	6. 93E-07	-0. 39612	0. 231	0. 358	0. 010354 Mcy	PRCP
TSPAN3. 5	6. 97E-07	-0. 37702	0. 377	0. 461	0. 010418 Mcy	TSPAN3
PLCG1. 4	7. 04E-07	-0. 21085	0. 011	0. 102	0. 010524 Mcy	PLCG1
TRIM16. 4	7. 05E-07	-0. 23972	0. 029	0. 132	0. 010541 Mcy	TRIM16
RRP12	7. 13E-07	0. 122578	0. 103	0. 041	0. 010658 Mcy	RRP12
WDR61. 1	7. 13E-07	0. 150685	0. 491	0. 345	0. 01066 Mcy	WDR61
HSPE1. 6	7. 19E-07	-0. 17379	0. 751	0. 729	0. 010741 Mcy	HSPE1
ARHGEF26. 7	7. 24E-07	-0. 22929	0. 026	0. 127	0. 010819 Mcy	ARHGEF26
TAB2. 2	7. 27E-07	0. 24695	0. 223	0. 124	0. 010861 Mcy	TAB2
MTMR4. 5	7. 30E-07	-0. 26037	0. 051	0. 163	0. 010914 Mcy	MTMR4
SNX21. 3	7. 31E-07	-0. 20971	0. 022	0. 12	0. 010929 Mcy	SNX21
DYNC1I1. 6	7. 35E-07	-0. 36886	0. 015	0. 106	0. 010982 Mcy	DYNC1I1
TLCD1. 4	7. 35E-07	-0. 16256	0	0. 083	0. 010991 Mcy	TLCD1
TP53. 1	7. 41E-07	0. 214878	0. 209	0. 111	0. 011069 Mcy	TP53
APPL1. 3	7. 47E-07	0. 265544	0. 421	0. 292	0. 01117 Mcy	APPL1
FGF1. 4	7. 50E-07	-0. 28065	0. 007	0. 096	0. 011205 Mcy	FGF1
ANGPTL2. 4	7. 58E-07	-0. 30487	0. 011	0. 102	0. 011324 Mcy	ANGPTL2
PXDN. 3	7. 60E-07	-0. 17776	0. 011	0. 103	0. 011357 Mcy	PXDN
LRRN1. 5	7. 64E-07	-0. 26435	0. 015	0. 108	0. 011415 Mcy	LRRN1
NOL12. 2	7. 71E-07	0. 264191	0. 337	0. 217	0. 011517 Mcy	NOL12

TNRC6B. 4	7. 74E-07	-0. 34732	0. 227	0. 355	0. 011572 Mcy	TNRC6B
PPARD. 6	7. 80E-07	0. 125058	0. 201	0. 106	0. 011657 Mcy	PPARD
MDFI. 5	7. 81E-07	-0. 23077	0. 004	0. 089	0. 011673 Mcy	MDFI
UROD. 3	7. 82E-07	0. 113659	0. 509	0. 356	0. 011682 Mcy	UROD
TMEM45A. 3	7. 82E-07	-0. 30352	0. 062	0. 179	0. 011685 Mcy	TMEM45A
HUS1. 1	7. 88E-07	0. 17574	0. 212	0. 115	0. 011772 Mcy	HUS1
CSRNP3. 5	7. 96E-07	-0. 29416	0. 011	0. 101	0. 011895 Mcy	CSRNP3
CLASP1. 5	8. 07E-07	-0. 28039	0. 037	0. 14	0. 012066 Mcy	CLASP1
BOC. 4	8. 08E-07	-0. 1857	0. 004	0. 089	0. 01208 Mcy	BOC
PPP6C. 1	8. 20E-07	0. 200748	0. 381	0. 253	0. 012251 Mcy	PPP6C
TMEM108. 4	8. 26E-07	-0. 18923	0	0. 082	0. 012345 Mcy	TMEM108
SMAD7. 4	8. 38E-07	0. 149219	0. 088	0. 033	0. 012529 Mcy	SMAD7
JUNB. 3	8. 40E-07	-0. 25644	0. 74	0. 723	0. 012558 Mcy	JUNB
PDSS1. 1	8. 44E-07	0. 107832	0. 125	0. 055	0. 01261 Mcy	PDSS1
ILDR2. 5	8. 50E-07	-0. 15998	0	0. 082	0. 012708 Mcy	ILDR2
TMEM47. 4	8. 50E-07	-0. 18356	0	0. 082	0. 012708 Mcy	TMEM47
ELOVL1. 3	8. 51E-07	0. 140405	0. 355	0. 228	0. 012715 Mcy	ELOVL1
MTSS1L. 4	8. 54E-07	-0. 19303	0. 007	0. 096	0. 012766 Mcy	MTSS1L
VGLL4. 4	8. 59E-07	-0. 32131	0. 194	0. 32	0. 012835 Mcy	VGLL4
FAM228B. 5	8. 86E-07	-0. 29124	0. 095	0. 218	0. 013244 Mcy	FAM228B
SNX5. 3	8. 89E-07	0. 219252	0. 564	0. 39	0. 013288 Mcy	SNX5
TBC1D9B. 3	8. 96E-07	0. 195235	0. 267	0. 157	0. 013391 Mcy	TBC1D9B
VPS25. 2	9. 00E-07	0. 26424	0. 458	0. 327	0. 013455 Mcy	VPS25
PRPF18. 3	9. 05E-07	0. 157034	0. 238	0. 135	0. 013529 Mcy	PRPF18
TMEM69. 2	9. 05E-07	0. 160278	0. 278	0. 166	0. 01353 Mcy	TMEM69
CLEC11A. 5	9. 15E-07	0. 201219	0. 348	0. 229	0. 013668 Mcy	CLEC11A
CCDC181. 5	9. 28E-07	-0. 23706	0	0. 081	0. 013863 Mcy	CCDC181
RAB31. 6	9. 46E-07	0. 159018	0. 645	0. 456	0. 014144 Mcy	RAB31
ELOVL6. 4	9. 64E-07	-0. 20001	0. 007	0. 095	0. 014413 Mcy	ELOVL6
PCDHB2. 4	9. 69E-07	-0. 18424	0	0. 081	0. 014479 Mcy	PCDHB2
NIF3L1. 2	9. 72E-07	0. 151302	0. 216	0. 118	0. 014522 Mcy	NIF3L1
PRDX5. 4	9. 77E-07	-0. 2471	0. 769	0. 742	0. 014595 Mcy	PRDX5
NOS1AP. 5	9. 83E-07	-0. 19614	0	0. 081	0. 01469 Mcy	NOS1AP
TMPO-AS1	9. 84E-07	0. 135699	0. 081	0. 029	0. 014709 Mcy	TMPO-AS1
ICT1. 1	9. 89E-07	0. 178634	0. 355	0. 234	0. 014775 Mcy	ICT1
NME7. 6	1. 00E-06	-0. 34182	0. 055	0. 164	0. 014998 Mcy	NME7
NECAP2. 3	1. 01E-06	0. 243003	0. 421	0. 289	0. 015085 Mcy	NECAP2
CBLN4. 6	1. 01E-06	-0. 23789	0	0. 081	0. 015122 Mcy	CBLN4
ATCAY. 5	1. 01E-06	-0. 31314	0. 026	0. 123	0. 015123 Mcy	ATCAY
ZNF559. 5	1. 01E-06	-0. 26871	0. 04	0. 147	0. 015157 Mcy	ZNF559
DID01. 4	1. 03E-06	-0. 24398	0. 044	0. 151	0. 01546 Mcy	DID01
HECA. 5	1. 04E-06	0. 126341	0. 147	0. 069	0. 015472 Mcy	HECA
ICMT. 2	1. 04E-06	0. 251065	0. 223	0. 131	0. 01554 Mcy	ICMT
TMED3. 4	1. 04E-06	0. 153126	0. 443	0. 305	0. 015564 Mcy	TMED3
PDGFD. 4	1. 04E-06	-0. 15976	0	0. 081	0. 015566 Mcy	PDGFD
PSD3. 5	1. 06E-06	-0. 2502	0. 077	0. 197	0. 015798 Mcy	PSD3
PCNT	1. 07E-06	0. 164851	0. 147	0. 07	0. 015942 Mcy	PCNT
BCL3. 3	1. 08E-06	0. 152023	0. 154	0. 075	0. 016133 Mcy	BCL3
PAX6. 4	1. 09E-06	-0. 18092	0	0. 08	0. 016257 Mcy	PAX6
MEOX2. 4	1. 09E-06	-0. 22401	0	0. 08	0. 016257 Mcy	MEOX2
CELSR2. 5	1. 09E-06	-0. 19689	0. 007	0. 094	0. 016318 Mcy	CELSR2

CELF5. 6	1. 10E-06	-0. 30777	0. 007	0. 093	0. 016401	Mcy	CELF5
SEMA5A. 4	1. 11E-06	-0. 24959	0. 015	0. 106	0. 016526	Mcy	SEMA5A
CMSS1. 3	1. 11E-06	0. 237692	0. 421	0. 286	0. 016545	Mcy	CMSS1
NT5DC2. 4	1. 11E-06	0. 237355	0. 264	0. 162	0. 016661	Mcy	NT5DC2
NELFE. 1	1. 12E-06	0. 252102	0. 513	0. 373	0. 016691	Mcy	NELFE
KBTBD6. 4	1. 13E-06	-0. 26476	0. 033	0. 134	0. 016899	Mcy	KBTBD6
CXADR. 6	1. 15E-06	-0. 40282	0. 183	0. 31	0. 017153	Mcy	CXADR
SH3BGRL3. 1	1. 17E-06	0. 161167	0. 952	0. 773	0. 017477	Mcy	SH3BGRL3
ATIC	1. 18E-06	0. 209322	0. 348	0. 222	0. 017577	Mcy	ATIC
EXTL3. 4	1. 18E-06	-0. 24727	0. 033	0. 134	0. 017599	Mcy	EXTL3
TUBG2. 5	1. 19E-06	-0. 22992	0. 018	0. 112	0. 017726	Mcy	TUBG2
TOMM40L. 2	1. 19E-06	0. 164854	0. 132	0. 06	0. 017736	Mcy	TOMM40L
ABL2. 6	1. 19E-06	0. 105253	0. 41	0. 265	0. 017837	Mcy	ABL2
NLGN2. 4	1. 20E-06	-0. 1737	0. 007	0. 094	0. 017912	Mcy	NLGN2
RCAN1. 5	1. 20E-06	-0. 52924	0. 147	0. 271	0. 017939	Mcy	RCAN1
GNAO1. 4	1. 20E-06	-0. 31251	0. 007	0. 093	0. 01795	Mcy	GNAO1
ZNF436. 4	1. 20E-06	-0. 16305	0	0. 08	0. 017989	Mcy	ZNF436
CENPJ. 2	1. 21E-06	0. 116919	0. 139	0. 064	0. 018091	Mcy	CENPJ
EEPDI. 3	1. 21E-06	0. 187903	0. 147	0. 07	0. 018146	Mcy	EEPDI
CXXC4. 5	1. 24E-06	-0. 21569	0	0. 08	0. 018517	Mcy	CXXC4
RER1. 4	1. 24E-06	0. 182325	0. 656	0. 493	0. 01858	Mcy	RER1
NAP1L3. 4	1. 25E-06	-0. 28339	0. 015	0. 104	0. 018607	Mcy	NAP1L3
TMEM14A. 5	1. 25E-06	-0. 34422	0. 19	0. 327	0. 018614	Mcy	TMEM14A
AASS. 4	1. 25E-06	-0. 24659	0. 022	0. 117	0. 01866	Mcy	AASS
ITSN2. 5	1. 26E-06	0. 125472	0. 3	0. 179	0. 018848	Mcy	ITSN2
LOXL1. 4	1. 28E-06	-0. 15579	0	0. 079	0. 01906	Mcy	LOXL1
PHACTR3. 5	1. 28E-06	-0. 27741	0	0. 079	0. 01906	Mcy	PHACTR3
ZNF358. 5	1. 28E-06	-0. 17758	0. 055	0. 167	0. 019105	Mcy	ZNF358
NCLN. 2	1. 32E-06	0. 172318	0. 267	0. 162	0. 019695	Mcy	NCLN
AIFM1. 3	1. 32E-06	0. 140377	0. 245	0. 143	0. 019767	Mcy	AIFM1
CTPS1. 3	1. 34E-06	0. 167546	0. 194	0. 104	0. 01999	Mcy	CTPS1
C17orf100	1. 35E-06	-0. 18611	0. 007	0. 092	0. 020102	Mcy	C17orf100
SETD3. 3	1. 35E-06	0. 157438	0. 26	0. 154	0. 020104	Mcy	SETD3
CNPY1. 5	1. 35E-06	-0. 22855	0	0. 079	0. 020194	Mcy	CNPY1
ZNF791. 3	1. 37E-06	-0. 37655	0. 147	0. 273	0. 020432	Mcy	ZNF791
ZNF322. 4	1. 37E-06	-0. 19231	0. 033	0. 136	0. 020515	Mcy	ZNF322
TBC1D1. 6	1. 37E-06	0. 189243	0. 216	0. 12	0. 020517	Mcy	TBC1D1
IMP4. 1	1. 39E-06	0. 160574	0. 495	0. 355	0. 020784	Mcy	IMP4
CSAD. 4	1. 40E-06	-0. 2617	0. 059	0. 17	0. 02096	Mcy	CSAD
RANGRF	1. 40E-06	0. 24059	0. 319	0. 208	0. 020974	Mcy	RANGRF
KRT10. 3	1. 41E-06	-0. 27317	0. 52	0. 559	0. 021047	Mcy	KRT10
MAP6. 4	1. 42E-06	-0. 19663	0. 011	0. 098	0. 0212	Mcy	MAP6
CMC1	1. 42E-06	0. 163203	0. 399	0. 272	0. 021214	Mcy	CMC1
SNN. 6	1. 42E-06	-0. 35636	0. 11	0. 228	0. 021227	Mcy	SNN
FAM69C. 5	1. 43E-06	-0. 16737	0	0. 079	0. 021395	Mcy	FAM69C
PRPF4	1. 43E-06	0. 116967	0. 282	0. 171	0. 021406	Mcy	PRPF4
NNT. 1	1. 47E-06	0. 198639	0. 231	0. 135	0. 021902	Mcy	NNT
IGSF8. 4	1. 47E-06	-0. 31109	0. 099	0. 215	0. 021967	Mcy	IGSF8
C1orf21. 6	1. 47E-06	-0. 2841	0. 081	0. 203	0. 022003	Mcy	C1orf21
CNTROB. 1	1. 47E-06	0. 185028	0. 147	0. 072	0. 022018	Mcy	CNTROB
POLR2D. 2	1. 48E-06	0. 207869	0. 234	0. 136	0. 022121	Mcy	POLR2D

TTC39C. 2	1. 49E-06	0. 158479	0. 158	0. 079	0. 022201	Mcy	TTC39C
NFATC2IP. 1	1. 52E-06	0. 214994	0. 267	0. 16	0. 022699	Mcy	NFATC2IP
RREB1. 6	1. 52E-06	0. 12149	0. 147	0. 07	0. 0227	Mcy	RREB1
GPBP1. 3	1. 53E-06	-0. 35844	0. 352	0. 451	0. 022876	Mcy	GPBP1
ACTR3. 4	1. 53E-06	0. 12037	0. 707	0. 556	0. 022933	Mcy	ACTR3
RP11-76E1	1. 54E-06	0. 107882	0. 092	0. 035	0. 023037	Mcy	RP11-76E17. 3
FBXO44. 4	1. 55E-06	-0. 2715	0. 04	0. 144	0. 023225	Mcy	FBXO44
ATP1A1. 3	1. 55E-06	0. 189167	0. 637	0. 469	0. 023235	Mcy	ATP1A1
RUVBL2. 3	1. 56E-06	0. 196288	0. 451	0. 315	0. 023308	Mcy	RUVBL2
ZNF420. 4	1. 57E-06	-0. 26799	0. 018	0. 109	0. 023405	Mcy	ZNF420
AGAP2-AS1	1. 57E-06	-0. 33722	0. 011	0. 097	0. 02343	Mcy	AGAP2-AS1
RAB35. 3	1. 57E-06	0. 15113	0. 275	0. 163	0. 023461	Mcy	RAB35
NKAIN4. 5	1. 58E-06	-0. 37057	0. 015	0. 103	0. 023658	Mcy	NKAIN4
PSMA6. 4	1. 59E-06	0. 192447	0. 344	0. 221	0. 023705	Mcy	PSMA6
CMBL. 4	1. 60E-06	-0. 21373	0. 029	0. 129	0. 023847	Mcy	CMBL
DMRTA2. 3	1. 61E-06	-0. 16605	0	0. 078	0. 024013	Mcy	DMRTA2
NCOA4. 6	1. 61E-06	0. 232974	0. 392	0. 26	0. 024062	Mcy	NCOA4
IGFBP3. 4	1. 61E-06	-0. 6104	0. 092	0. 197	0. 024093	Mcy	IGFBP3
SUFU	1. 62E-06	0. 102255	0. 077	0. 028	0. 024144	Mcy	SUFU
VIPR2. 5	1. 62E-06	-0. 31229	0. 004	0. 084	0. 024161	Mcy	VIPR2
PSMC5. 2	1. 64E-06	0. 135462	0. 733	0. 55	0. 024472	Mcy	PSMC5
RSF1. 4	1. 67E-06	-0. 37625	0. 311	0. 42	0. 024944	Mcy	RSF1
OAZ1. 2	1. 67E-06	-0. 10805	0. 971	0. 925	0. 024946	Mcy	OAZ1
BOK. 6	1. 68E-06	-0. 21829	0	0. 078	0. 025074	Mcy	BOK
PHLDB1. 6	1. 68E-06	-0. 26381	0. 04	0. 144	0. 025174	Mcy	PHLDB1
CINP. 1	1. 70E-06	0. 185233	0. 366	0. 249	0. 025351	Mcy	CINP
RGMB. 5	1. 70E-06	-0. 36387	0. 037	0. 134	0. 025352	Mcy	RGMB
WASF3. 4	1. 70E-06	-0. 2059	0	0. 078	0. 025438	Mcy	WASF3
CSNK1D. 5	1. 71E-06	0. 158029	0. 505	0. 356	0. 025605	Mcy	CSNK1D
GPT2. 4	1. 74E-06	-0. 1946	0. 044	0. 149	0. 026018	Mcy	GPT2
KCTD13. 5	1. 76E-06	-0. 27169	0. 04	0. 141	0. 026255	Mcy	KCTD13
TMA16. 3	1. 76E-06	0. 200917	0. 311	0. 198	0. 026312	Mcy	TMA16
TIMM23. 1	1. 79E-06	0. 225209	0. 249	0. 15	0. 026798	Mcy	TIMM23
ATN1. 4	1. 80E-06	-0. 23531	0. 07	0. 186	0. 026866	Mcy	ATN1
LAMB1. 3	1. 82E-06	-0. 1678	0. 015	0. 104	0. 027257	Mcy	LAMB1
RASSF8-AS	1. 82E-06	-0. 30596	0. 055	0. 162	0. 027264	Mcy	RASSF8-AS1
DENND5B. 5	1. 83E-06	-0. 19895	0. 011	0. 098	0. 02732	Mcy	DENND5B
LDOC1. 5	1. 84E-06	-0. 3254	0. 007	0. 09	0. 027444	Mcy	LDOC1
S100B. 5	1. 85E-06	-0. 52748	0. 462	0. 529	0. 027708	Mcy	S100B
WASL. 4	1. 87E-06	-0. 21544	0. 07	0. 186	0. 028008	Mcy	WASL
EIF1AY. 5	1. 88E-06	-0. 13789	0. 062	0. 181	0. 028025	Mcy	EIF1AY
RPRD1A. 4	1. 89E-06	-0. 30399	0. 092	0. 21	0. 028225	Mcy	RPRD1A
C3orf70. 5	1. 89E-06	-0. 22616	0. 015	0. 102	0. 028241	Mcy	C3orf70
PLAT. 3	1. 90E-06	-0. 23994	0. 026	0. 122	0. 028341	Mcy	PLAT
XRCC6. 1	1. 91E-06	0. 142684	0. 7	0. 554	0. 028478	Mcy	XRCC6
PLCB2. 6	1. 91E-06	0. 10834	0. 132	0. 059	0. 028529	Mcy	PLCB2
THOP1. 5	1. 92E-06	0. 232573	0. 308	0. 199	0. 028628	Mcy	THOP1
NDUFS5. 5	1. 92E-06	-0. 1427	0. 879	0. 809	0. 02865	Mcy	NDUFS5
TMEM136. 4	1. 94E-06	-0. 20329	0. 007	0. 09	0. 029023	Mcy	TMEM136
CNOT4. 3	1. 94E-06	-0. 38193	0. 154	0. 275	0. 029024	Mcy	CNOT4
RSBN1. 4	1. 96E-06	-0. 3595	0. 106	0. 22	0. 02927	Mcy	RSBN1

AAMDC. 4	1. 96E-06	0. 243797	0. 315	0. 204	0. 029281	Mcy	AAMDC
LINC00094	2. 00E-06	-0. 21336	0. 033	0. 131	0. 029903	Mcy	LINC00094
USP22. 6	2. 00E-06	-0. 26411	0. 187	0. 322	0. 029913	Mcy	USP22
ATP9A. 5	2. 01E-06	-0. 22634	0. 022	0. 114	0. 030092	Mcy	ATP9A
LITAF. 6	2. 02E-06	0. 11431	0. 659	0. 454	0. 030131	Mcy	LITAF
EPB41L1. 4	2. 04E-06	-0. 19556	0. 007	0. 09	0. 030516	Mcy	EPB41L1
CD2BP2. 1	2. 04E-06	0. 196828	0. 458	0. 325	0. 030547	Mcy	CD2BP2
CNFN. 1	2. 05E-06	0. 12082	0. 073	0. 026	0. 030562	Mcy	CNFN
PXMP2. 4	2. 08E-06	0. 217328	0. 333	0. 22	0. 031144	Mcy	PXMP2
PCGF2. 4	2. 09E-06	-0. 20303	0. 055	0. 165	0. 031192	Mcy	PCGF2
CYB5D2. 4	2. 10E-06	-0. 33955	0. 114	0. 236	0. 031371	Mcy	CYB5D2
MPHOSPH6. 2	2. 10E-06	0. 176462	0. 421	0. 288	0. 031383	Mcy	MPHOSPH6
RGS3. 4	2. 11E-06	-0. 18796	0. 018	0. 108	0. 031517	Mcy	RGS3
THSD1. 4	2. 12E-06	-0. 17176	0. 011	0. 096	0. 03163	Mcy	THSD1
SYNC. 4	2. 12E-06	-0. 29936	0. 07	0. 178	0. 031642	Mcy	SYNC
UBL7. 1	2. 13E-06	0. 152629	0. 352	0. 227	0. 031869	Mcy	UBL7
DAP. 3	2. 20E-06	0. 253497	0. 392	0. 274	0. 032823	Mcy	DAP
WASF1. 3	2. 20E-06	-0. 21966	0. 011	0. 096	0. 032858	Mcy	WASF1
GSS. 2	2. 22E-06	0. 146379	0. 363	0. 237	0. 033126	Mcy	GSS
AMOTL2. 3	2. 22E-06	-0. 25547	0. 004	0. 083	0. 033179	Mcy	AMOTL2
DUSP26. 5	2. 22E-06	-0. 31225	0. 007	0. 09	0. 033246	Mcy	DUSP26
USP11. 5	2. 29E-06	-0. 38285	0. 234	0. 355	0. 034159	Mcy	USP11
EHD2. 4	2. 31E-06	-0. 1364	0. 004	0. 083	0. 034539	Mcy	EHD2
ZNF583. 4	2. 33E-06	-0. 23718	0. 018	0. 108	0. 034857	Mcy	ZNF583
UBL5. 4	2. 36E-06	-0. 17766	0. 901	0. 829	0. 035268	Mcy	UBL5
CBX5. 5	2. 37E-06	0. 249159	0. 484	0. 341	0. 035374	Mcy	CBX5
COL16A1. 4	2. 37E-06	-0. 19164	0	0. 076	0. 035421	Mcy	COL16A1
TMEM129. 3	2. 38E-06	-0. 24676	0. 066	0. 175	0. 035496	Mcy	TMEM129
TCEB2. 5	2. 38E-06	-0. 11342	0. 908	0. 821	0. 035507	Mcy	TCEB2
ZNF766. 2	2. 39E-06	-0. 2704	0. 033	0. 128	0. 035665	Mcy	ZNF766
C5orf45. 3	2. 39E-06	-0. 1754	0. 059	0. 17	0. 035776	Mcy	C5orf45
DENND2A. 4	2. 40E-06	-0. 16782	0. 011	0. 097	0. 03583	Mcy	DENND2A
LARP4B. 3	2. 41E-06	0. 172217	0. 168	0. 088	0. 035962	Mcy	LARP4B
AKIP1. 2	2. 41E-06	0. 163321	0. 414	0. 284	0. 036061	Mcy	AKIP1
CCT8. 2	2. 42E-06	0. 208861	0. 696	0. 532	0. 036145	Mcy	CCT8
C14orf142	2. 43E-06	0. 230448	0. 245	0. 148	0. 036321	Mcy	C14orf142
ACSBG1. 3	2. 44E-06	-0. 18519	0	0. 076	0. 036454	Mcy	ACSBG1
CDC26. 1	2. 44E-06	0. 223696	0. 385	0. 259	0. 036467	Mcy	CDC26
HDAC3. 3	2. 44E-06	0. 146799	0. 388	0. 26	0. 03649	Mcy	HDAC3
NAPEPLD. 3	2. 45E-06	-0. 22407	0. 015	0. 101	0. 036684	Mcy	NAPEPLD
TOX. 6	2. 46E-06	-0. 21525	0. 007	0. 089	0. 036762	Mcy	TOX
MAGT1. 2	2. 49E-06	0. 149953	0. 315	0. 2	0. 037162	Mcy	MAGT1
KATNA1. 1	2. 49E-06	0. 158313	0. 234	0. 136	0. 037201	Mcy	KATNA1
RPPH1. 2	2. 52E-06	0. 112551	0. 081	0. 03	0. 037621	Mcy	RPPH1
PDIA3. 6	2. 52E-06	0. 138979	0. 729	0. 579	0. 037674	Mcy	PDIA3
TAPBP. 6	2. 53E-06	0. 131442	0. 487	0. 339	0. 037883	Mcy	TAPBP
KDM4B. 3	2. 54E-06	-0. 23685	0. 037	0. 134	0. 037883	Mcy	KDM4B
SLC25A18. 2	2. 56E-06	-0. 25106	0. 007	0. 089	0. 03821	Mcy	SLC25A18
ZNF331. 6	2. 58E-06	0. 104001	0. 476	0. 312	0. 038511	Mcy	ZNF331
VTI1B. 4	2. 59E-06	0. 140968	0. 484	0. 343	0. 03874	Mcy	VTI1B
ZNF566. 4	2. 61E-06	-0. 28803	0. 026	0. 117	0. 038951	Mcy	ZNF566



VAX2. 5	2. 61E-06	-0. 19688	0. 004	0. 082	0. 039037	Mcy	VAX2
CNR1. 4	2. 62E-06	-0. 16785	0	0. 075	0. 039169	Mcy	CNR1
NDST2. 2	2. 64E-06	0. 101025	0. 07	0. 024	0. 03944	Mcy	NDST2
PCYT1A. 1	2. 66E-06	0. 191724	0. 22	0. 127	0. 039779	Mcy	PCYT1A
PLCB1. 4	2. 67E-06	-0. 18606	0. 004	0. 082	0. 039895	Mcy	PLCB1
CACFD1. 4	2. 68E-06	-0. 1723	0. 007	0. 089	0. 040042	Mcy	CACFD1
TNFSF12. 6	2. 70E-06	0. 187039	0. 3	0. 183	0. 040378	Mcy	TNFSF12
RELT. 5	2. 73E-06	0. 105268	0. 165	0. 082	0. 040723	Mcy	RELT
C10orf76. 2	2. 73E-06	0. 130552	0. 121	0. 055	0. 040743	Mcy	C10orf76
PIR. 3	2. 73E-06	0. 124687	0. 121	0. 055	0. 040787	Mcy	PIR
ZNF677. 4	2. 74E-06	-0. 19209	0. 081	0. 2	0. 0409	Mcy	ZNF677
HMGCS1. 4	2. 75E-06	-0. 30734	0. 077	0. 185	0. 041059	Mcy	HMGCS1
IDS	2. 75E-06	-0. 40605	0. 256	0. 371	0. 04108	Mcy	IDS
MGARP. 3	2. 75E-06	-0. 15992	0. 004	0. 082	0. 041129	Mcy	MGARP
EPHA3. 5	2. 78E-06	-0. 13526	0	0. 075	0. 041484	Mcy	EPHA3
HIST2H2BE	2. 78E-06	-0. 30472	0. 048	0. 149	0. 041553	Mcy	HIST2H2BE
LINC00632	2. 80E-06	-0. 31531	0. 011	0. 093	0. 04184	Mcy	LINC00632
LONRF1. 3	2. 80E-06	-0. 19335	0. 015	0. 1	0. 041886	Mcy	LONRF1
HSCB. 2	2. 81E-06	0. 225566	0. 275	0. 169	0. 042018	Mcy	HSCB
RNF141. 3	2. 82E-06	0. 19847	0. 326	0. 211	0. 04213	Mcy	RNF141
RBM39. 3	2. 82E-06	-0. 23928	0. 667	0. 654	0. 042195	Mcy	RBM39
ELOVL4. 4	2. 82E-06	-0. 19776	0. 004	0. 081	0. 0422	Mcy	ELOVL4
LMBR1L. 5	2. 83E-06	-0. 314	0. 077	0. 187	0. 042237	Mcy	LMBR1L
DAG1. 4	2. 84E-06	-0. 22483	0. 066	0. 176	0. 042511	Mcy	DAG1
COX4I1. 3	2. 88E-06	-0. 14458	0. 945	0. 91	0. 043072	Mcy	COX4I1
SATB2. 3	2. 90E-06	-0. 15392	0	0. 074	0. 043309	Mcy	SATB2
UBN2. 3	2. 92E-06	-0. 25006	0. 022	0. 111	0. 043586	Mcy	UBN2
DDIT4. 5	2. 93E-06	0. 116878	0. 601	0. 404	0. 043797	Mcy	DDIT4
CHRAC1. 4	2. 96E-06	0. 106922	0. 245	0. 142	0. 044231	Mcy	CHRAC1
RHO. 5	2. 99E-06	-0. 33114	0. 04	0. 137	0. 044699	Mcy	RHO
SMARCA1. 4	3. 04E-06	-0. 26718	0. 066	0. 174	0. 045475	Mcy	SMARCA1
TNKS. 6	3. 05E-06	-0. 21863	0. 048	0. 151	0. 045605	Mcy	TNKS
CA5A. 1	3. 05E-06	0. 10911	0. 033	0. 007	0. 045617	Mcy	CA5A
PTPRJ. 3	3. 07E-06	0. 124639	0. 077	0. 028	0. 045807	Mcy	PTPRJ
LYPLA2. 2	3. 13E-06	0. 214234	0. 33	0. 218	0. 046809	Mcy	LYPLA2
TIAM2. 5	3. 14E-06	-0. 22771	0. 004	0. 081	0. 046973	Mcy	TIAM2
EHBP1. 4	3. 16E-06	-0. 22728	0. 062	0. 17	0. 047163	Mcy	EHBP1
GAA. 5	3. 19E-06	0. 116679	0. 465	0. 316	0. 047632	Mcy	GAA
SEC13. 2	3. 23E-06	0. 132825	0. 502	0. 365	0. 048278	Mcy	SEC13
TPM4. 4	3. 25E-06	0. 183682	0. 692	0. 492	0. 048507	Mcy	TPM4
CLUAP1. 5	3. 25E-06	-0. 26622	0. 062	0. 17	0. 048564	Mcy	CLUAP1
ENKUR. 4	3. 25E-06	-0. 23462	0	0. 074	0. 048574	Mcy	ENKUR
COL22A1. 2	3. 30E-06	-0. 15695	0	0. 074	0. 049275	Mcy	COL22A1
RDH5. 4	3. 38E-06	-0. 24686	0. 018	0. 104	0. 050437	Mcy	RDH5
SCN3A. 5	3. 39E-06	-0. 22938	0	0. 074	0. 050708	Mcy	SCN3A
ENOX2. 2	3. 40E-06	0. 176472	0. 147	0. 072	0. 050753	Mcy	ENOX2
MTMR14. 5	3. 50E-06	0. 213922	0. 33	0. 219	0. 052354	Mcy	MTMR14
FGF14. 5	3. 51E-06	-0. 18601	0. 007	0. 087	0. 052438	Mcy	FGF14
CTB-3102C	3. 53E-06	-0. 22839	0. 026	0. 116	0. 052721	Mcy	CTB-31020. 2
PCGF5. 3	3. 54E-06	0. 157724	0. 286	0. 176	0. 052968	Mcy	PCGF5
ZNF43. 4	3. 56E-06	-0. 21375	0. 04	0. 14	0. 053188	Mcy	ZNF43

SIAH1. 4	3. 56E-06	-0. 3391	0. 117	0. 231	0. 053207	Mcy	SIAH1
EWSR1. 2	3. 59E-06	0. 168782	0. 604	0. 461	0. 053633	Mcy	EWSR1
KAZN. 4	3. 59E-06	-0. 19304	0	0. 073	0. 053699	Mcy	KAZN
POMGNT2. 4	3. 60E-06	-0. 24016	0. 044	0. 143	0. 053785	Mcy	POMGNT2
RRAS2. 4	3. 64E-06	-0. 16016	0. 004	0. 08	0. 054329	Mcy	RRAS2
ZFAS1. 3	3. 66E-06	-0. 2172	0. 714	0. 697	0. 054765	Mcy	ZFAS1
GNB4. 4	3. 68E-06	0. 161663	0. 352	0. 23	0. 054937	Mcy	GNB4
DLG1. 5	3. 71E-06	-0. 26795	0. 062	0. 168	0. 055422	Mcy	DLG1
STX7. 6	3. 72E-06	0. 166878	0. 407	0. 264	0. 055568	Mcy	STX7
GNG12. 4	3. 77E-06	-0. 18399	0. 04	0. 14	0. 05633	Mcy	GNG12
MMD. 4	3. 77E-06	0. 135442	0. 37	0. 242	0. 056399	Mcy	MMD
SNRPG. 3	3. 78E-06	0. 203935	0. 824	0. 635	0. 056555	Mcy	SNRPG
RABIF. 2	3. 79E-06	0. 132686	0. 286	0. 179	0. 056682	Mcy	RABIF
RANBP1. 5	3. 83E-06	0. 127797	0. 718	0. 574	0. 057238	Mcy	RANBP1
MYO1C. 2	3. 83E-06	0. 21261	0. 183	0. 1	0. 057248	Mcy	MYO1C
AHSA1. 1	3. 83E-06	0. 148223	0. 535	0. 395	0. 057286	Mcy	AHSA1
MICAL1. 5	3. 85E-06	0. 185695	0. 245	0. 138	0. 057474	Mcy	MICAL1
ARID4B. 5	3. 86E-06	-0. 37039	0. 297	0. 408	0. 057658	Mcy	ARID4B
F12. 4	3. 88E-06	-0. 16921	0. 004	0. 079	0. 058038	Mcy	F12
SARNP. 1	3. 90E-06	0. 104624	0. 216	0. 12	0. 058228	Mcy	SARNP
CCDC86	3. 96E-06	0. 14589	0. 187	0. 103	0. 059251	Mcy	CCDC86
LAMA4. 4	3. 97E-06	-0. 19094	0	0. 073	0. 059359	Mcy	LAMA4
PCDHB7. 4	3. 97E-06	-0. 22011	0	0. 073	0. 059359	Mcy	PCDHB7
TSPYL4. 3	3. 98E-06	-0. 17614	0. 018	0. 105	0. 059404	Mcy	TSPYL4
TAP2	4. 02E-06	0. 174524	0. 022	0. 004	0. 060017	Mcy	TAP2
PFKP. 2	4. 03E-06	0. 27132	0. 242	0. 149	0. 060246	Mcy	PFKP
C5orf34	4. 06E-06	0. 109767	0. 066	0. 023	0. 060647	Mcy	C5orf34
SCD. 5	4. 07E-06	-0. 43909	0. 103	0. 215	0. 060782	Mcy	SCD
ZNF385A. 6	4. 07E-06	0. 112881	0. 238	0. 134	0. 060798	Mcy	ZNF385A
LRIG1. 5	4. 09E-06	-0. 21977	0. 022	0. 11	0. 061059	Mcy	LRIG1
BRSK1. 4	4. 10E-06	-0. 20136	0. 007	0. 085	0. 061221	Mcy	BRSK1
SERPINF1. 4	4. 15E-06	0. 141416	0. 37	0. 221	0. 061978	Mcy	SERPINF1
CIAO1. 2	4. 15E-06	0. 177191	0. 359	0. 24	0. 062023	Mcy	CIAO1
DGCR6L. 2	4. 16E-06	0. 181075	0. 473	0. 332	0. 062211	Mcy	DGCR6L
FAM122B. 1	4. 17E-06	0. 200349	0. 179	0. 097	0. 062279	Mcy	FAM122B
SAP30. 4	4. 22E-06	0. 180256	0. 355	0. 237	0. 063116	Mcy	SAP30
DPH7. 5	4. 23E-06	-0. 27542	0. 066	0. 17	0. 063261	Mcy	DPH7
TMEM106A. 4	4. 25E-06	0. 107491	0. 132	0. 062	0. 06348	Mcy	TMEM106A
PTPN18. 6	4. 26E-06	0. 143742	0. 33	0. 208	0. 063716	Mcy	PTPN18
PSMD13. 1	4. 27E-06	0. 123623	0. 553	0. 41	0. 063792	Mcy	PSMD13
NDUFA10. 2	4. 29E-06	0. 159358	0. 575	0. 435	0. 064062	Mcy	NDUFA10
DEAF1. 5	4. 34E-06	-0. 2612	0. 099	0. 215	0. 064838	Mcy	DEAF1
HYI. 2	4. 34E-06	0. 187951	0. 234	0. 137	0. 064925	Mcy	HYI
ADAMTS9. 4	4. 37E-06	-0. 16052	0. 004	0. 079	0. 065298	Mcy	ADAMTS9
APPBP2. 4	4. 39E-06	-0. 21064	0. 095	0. 212	0. 065583	Mcy	APPBP2
CYP27A1. 3	4. 40E-06	-0. 29925	0. 062	0. 167	0. 065684	Mcy	CYP27A1
RP11-1114	4. 41E-06	-0. 19292	0. 007	0. 086	0. 065958	Mcy	RP11-1114A5. 4
TIMM50. 1	4. 42E-06	0. 195318	0. 436	0. 307	0. 066059	Mcy	TIMM50
MRPS23. 4	4. 47E-06	0. 15564	0. 505	0. 363	0. 066837	Mcy	MRPS23
HDAC1. 2	4. 48E-06	0. 181394	0. 333	0. 223	0. 067009	Mcy	HDAC1
C1D. 1	4. 50E-06	0. 160473	0. 44	0. 306	0. 067233	Mcy	C1D

TIPIN. 2	4. 52E-06	0. 124518	0. 238	0. 139	0. 067472 Mcy	TIPIN
MDGA1. 4	4. 52E-06	-0. 13049	0	0. 072	0. 067513 Mcy	MDGA1
ALG5. 1	4. 53E-06	0. 15334	0. 491	0. 363	0. 067677 Mcy	ALG5
RPAIN. 4	4. 54E-06	-0. 31306	0. 396	0. 487	0. 067792 Mcy	RPAIN
PKN3	4. 54E-06	0. 15368	0. 048	0. 014	0. 067809 Mcy	PKN3
ROM1. 5	4. 57E-06	-0. 28303	0. 026	0. 115	0. 068354 Mcy	ROM1
RP3-428L1	4. 58E-06	-0. 17638	0	0. 072	0. 068485 Mcy	RP3-428L16. 2
PLD3. 4	4. 65E-06	-0. 28668	0. 432	0. 531	0. 06949 Mcy	PLD3
GEMIN2. 2	4. 70E-06	0. 214124	0. 194	0. 109	0. 070274 Mcy	GEMIN2
SLC29A4. 3	4. 71E-06	-0. 2087	0. 007	0. 084	0. 070421 Mcy	SLC29A4
UTP11L. 1	4. 73E-06	0. 206129	0. 41	0. 288	0. 070613 Mcy	UTP11L
CHRN1. 5	4. 74E-06	-0. 29458	0. 051	0. 151	0. 070801 Mcy	CHRN1
FKBP9. 5	4. 74E-06	-0. 26884	0. 073	0. 179	0. 07089 Mcy	FKBP9
RBM4. 4	4. 76E-06	-0. 32586	0. 11	0. 222	0. 071079 Mcy	RBM4
EBNA1BP2. 4	4. 79E-06	0. 204646	0. 484	0. 351	0. 071521 Mcy	EBNA1BP2
ILVBL. 2	4. 82E-06	0. 161675	0. 366	0. 249	0. 072088 Mcy	ILVBL
C15orf40. 4	4. 83E-06	0. 153202	0. 256	0. 159	0. 072212 Mcy	C15orf40
CERCAM. 4	4. 84E-06	-0. 2257	0. 037	0. 132	0. 072394 Mcy	CERCAM
TCF12. 6	4. 85E-06	-0. 37429	0. 176	0. 286	0. 072431 Mcy	TCF12
PIH1D1. 2	4. 88E-06	0. 108531	0. 527	0. 387	0. 07294 Mcy	PIH1D1
FTX. 3	4. 95E-06	-0. 26551	0. 018	0. 102	0. 073978 Mcy	FTX
TROVE2. 5	4. 99E-06	-0. 2832	0. 326	0. 435	0. 074564 Mcy	TROVE2
SYT1. 6	5. 00E-06	-0. 34394	0. 018	0. 102	0. 074707 Mcy	SYT1
PLXNA4. 5	5. 02E-06	-0. 2147	0. 004	0. 078	0. 07501 Mcy	PLXNA4
NUMBL. 4	5. 02E-06	-0. 13997	0. 011	0. 091	0. 075067 Mcy	NUMBL
KIAA2026. 5	5. 06E-06	-0. 28202	0. 048	0. 145	0. 075603 Mcy	KIAA2026
ABI1. 6	5. 07E-06	0. 13573	0. 359	0. 238	0. 075725 Mcy	ABI1
TTC1. 3	5. 10E-06	0. 164773	0. 505	0. 37	0. 076262 Mcy	TTC1
ALPK1. 1	5. 11E-06	0. 101892	0. 088	0. 035	0. 076332 Mcy	ALPK1
ARL4D. 6	5. 13E-06	-0. 37482	0. 07	0. 171	0. 076598 Mcy	ARL4D
FAM171A1. 5	5. 18E-06	-0. 16928	0. 004	0. 078	0. 077355 Mcy	FAM171A1
NUPR1. 4	5. 18E-06	-0. 48934	0. 205	0. 327	0. 077391 Mcy	NUPR1
TMCC1. 5	5. 20E-06	-0. 18734	0. 026	0. 115	0. 077701 Mcy	TMCC1
HOXD11. 4	5. 20E-06	-0. 14029	0. 004	0. 078	0. 077731 Mcy	HOXD11
ASAP2. 5	5. 21E-06	-0. 16078	0. 015	0. 097	0. 077787 Mcy	ASAP2
TMEM100. 6	5. 22E-06	-0. 30581	0. 011	0. 091	0. 078047 Mcy	TMEM100
TMEM150A. 5	5. 28E-06	-0. 31215	0. 051	0. 151	0. 078887 Mcy	TMEM150A
FAM210B. 6	5. 34E-06	-0. 29144	0. 158	0. 273	0. 079745 Mcy	FAM210B
DPP3. 1	5. 35E-06	0. 156242	0. 293	0. 186	0. 079941 Mcy	DPP3
MFI2. 2	5. 38E-06	0. 107995	0. 073	0. 027	0. 080464 Mcy	MFI2
RBM4B. 4	5. 40E-06	-0. 28794	0. 084	0. 194	0. 080713 Mcy	RBM4B
TET1. 5	5. 40E-06	-0. 15546	0. 007	0. 084	0. 080726 Mcy	TET1
VGf. 4	5. 44E-06	-0. 25267	0	0. 071	0. 081288 Mcy	VGf
MAP6D1. 5	5. 50E-06	-0. 21761	0. 007	0. 084	0. 082184 Mcy	MAP6D1
DCXR. 2	5. 51E-06	0. 212709	0. 608	0. 449	0. 082287 Mcy	DCXR
ELMOD1. 4	5. 55E-06	-0. 1582	0. 007	0. 084	0. 08295 Mcy	ELMOD1
CDK5R1. 6	5. 57E-06	-0. 25069	0. 015	0. 095	0. 083264 Mcy	CDK5R1
RASGRP1. 5	5. 60E-06	-0. 1495	0	0. 07	0. 083642 Mcy	RASGRP1
MFGE8. 3	5. 60E-06	-0. 21746	0. 081	0. 193	0. 083746 Mcy	MFGE8
ID1. 4	5. 63E-06	-0. 30807	0. 033	0. 123	0. 084074 Mcy	ID1
TTLL12. 2	5. 66E-06	0. 152447	0. 128	0. 062	0. 08458 Mcy	TTLL12

DNM3. 4	5. 67E-06	-0. 25007	0. 011	0. 09	0. 084776 Mcy	DNM3
COA1. 3	5. 69E-06	0. 176157	0. 535	0. 394	0. 08506 Mcy	COA1
ACAP3. 6	5. 74E-06	-0. 32415	0. 11	0. 218	0. 085804 Mcy	ACAP3
TTPAL. 1	5. 75E-06	-0. 26403	0. 048	0. 145	0. 085883 Mcy	TTPAL
BCL2L13. 1	5. 78E-06	0. 255466	0. 242	0. 147	0. 086405 Mcy	BCL2L13
CELF4. 6	5. 82E-06	-0. 33513	0. 015	0. 094	0. 086944 Mcy	CELF4
CUL2. 1	5. 83E-06	0. 199724	0. 209	0. 119	0. 087148 Mcy	CUL2
ATP5L2. 2	5. 85E-06	0. 231759	0. 172	0. 091	0. 087404 Mcy	ATP5L2
MAPK8IP3. 5	5. 90E-06	-0. 20192	0. 011	0. 09	0. 088149 Mcy	MAPK8IP3
MLLT3. 4	5. 91E-06	-0. 20101	0. 015	0. 096	0. 088379 Mcy	MLLT3
CDH6. 4	5. 93E-06	-0. 14973	0	0. 07	0. 088553 Mcy	CDH6
NRXN2. 6	6. 04E-06	-0. 25577	0. 029	0. 119	0. 090196 Mcy	NRXN2
AUP1. 4	6. 04E-06	0. 144327	0. 67	0. 519	0. 090199 Mcy	AUP1
BEST3. 5	6. 13E-06	-0. 31914	0. 011	0. 089	0. 091634 Mcy	BEST3
LRP6. 5	6. 17E-06	-0. 16397	0. 026	0. 114	0. 09226 Mcy	LRP6
FAM57B. 5	6. 19E-06	-0. 26869	0. 015	0. 094	0. 092563 Mcy	FAM57B
ZNF506. 4	6. 22E-06	-0. 22636	0. 033	0. 123	0. 092976 Mcy	ZNF506
PMEPA1. 6	6. 25E-06	-0. 34748	0. 099	0. 203	0. 093391 Mcy	PMEPA1
TRIM14. 3	6. 26E-06	0. 155227	0. 168	0. 09	0. 093544 Mcy	TRIM14
ZNF667. 5	6. 26E-06	-0. 19937	0. 007	0. 083	0. 093605 Mcy	ZNF667
SLC35E2B. 6	6. 38E-06	-0. 20401	0. 048	0. 147	0. 095389 Mcy	SLC35E2B
IGSF10. 3	6. 39E-06	-0. 17805	0. 018	0. 101	0. 095535 Mcy	IGSF10
GNAS. 6	6. 40E-06	-0. 16908	0. 685	0. 646	0. 095577 Mcy	GNAS
PFDN1	6. 45E-06	0. 175983	0. 571	0. 444	0. 096316 Mcy	PFDN1
HSP90B1. 3	6. 50E-06	0. 119533	0. 832	0. 654	0. 09707 Mcy	HSP90B1
FAM172A. 4	6. 52E-06	-0. 2787	0. 092	0. 199	0. 097407 Mcy	FAM172A
PTK7. 3	6. 59E-06	-0. 14455	0. 015	0. 096	0. 098421 Mcy	PTK7
TRIP4. 1	6. 59E-06	0. 107164	0. 198	0. 11	0. 098503 Mcy	TRIP4
GINS3	6. 59E-06	0. 108823	0. 084	0. 034	0. 098555 Mcy	GINS3
CHGB. 3	6. 60E-06	-0. 28283	0. 011	0. 089	0. 098574 Mcy	CHGB
GIPC1. 4	6. 61E-06	-0. 29247	0. 15	0. 271	0. 098711 Mcy	GIPC1
CADM1. 4	6. 61E-06	-0. 29947	0. 205	0. 328	0. 098841 Mcy	CADM1
PCDH10. 4	6. 64E-06	-0. 17041	0	0. 069	0. 099251 Mcy	PCDH10
KIDINS220	6. 64E-06	-0. 34725	0. 158	0. 271	0. 099276 Mcy	KIDINS220
DNAJC3. 3	6. 67E-06	0. 112159	0. 425	0. 289	0. 099709 Mcy	DNAJC3
MOV10	6. 69E-06	0. 169075	0. 128	0. 062	0. 100044 Mcy	MOV10
NOVA2. 4	6. 73E-06	-0. 19127	0. 007	0. 082	0. 100556 Mcy	NOVA2
NFKBIA. 5	6. 73E-06	0. 16539	0. 678	0. 496	0. 100601 Mcy	NFKBIA
DMXL2. 4	6. 84E-06	0. 240376	0. 154	0. 08	0. 102219 Mcy	DMXL2
KIAA0930. 6	6. 86E-06	0. 157309	0. 242	0. 142	0. 102499 Mcy	KIAA0930
C14orf166	6. 86E-06	0. 1702	0. 747	0. 581	0. 102562 Mcy	C14orf166
G3BP1. 3	6. 89E-06	0. 131474	0. 44	0. 311	0. 102971 Mcy	G3BP1
MGLL. 4	6. 90E-06	-0. 30163	0. 051	0. 147	0. 10309 Mcy	MGLL
USP14. 2	6. 91E-06	0. 16969	0. 374	0. 255	0. 103241 Mcy	USP14
PTK2B. 4	6. 93E-06	0. 142008	0. 216	0. 125	0. 103572 Mcy	PTK2B
NPB. 2	6. 93E-06	-0. 18628	0	0. 069	0. 103585 Mcy	NPB
TRMU. 2	6. 97E-06	0. 15681	0. 22	0. 13	0. 104098 Mcy	TRMU
RAB40B. 6	6. 98E-06	-0. 29361	0. 04	0. 132	0. 104339 Mcy	RAB40B
LYPD5	7. 04E-06	0. 106689	0. 04	0. 011	0. 105149 Mcy	LYPD5
DPYSL2. 5	7. 04E-06	-0. 35451	0. 322	0. 426	0. 105178 Mcy	DPYSL2
LRRC17. 4	7. 06E-06	-0. 21646	0. 004	0. 076	0. 105531 Mcy	LRRC17

CDKN1C. 5	7. 07E-06	-0. 32542	0. 029	0. 116	0. 105599 Mcy	CDKN1C
TARSL2. 5	7. 07E-06	-0. 20183	0. 026	0. 112	0. 105694 Mcy	TARSL2
RNF26. 3	7. 08E-06	0. 2102	0. 249	0. 155	0. 105743 Mcy	RNF26
ZNF599. 4	7. 14E-06	-0. 18441	0. 004	0. 076	0. 106701 Mcy	ZNF599
EFNB3. 4	7. 16E-06	-0. 17212	0. 004	0. 075	0. 106959 Mcy	EFNB3
MESP1. 3	7. 20E-06	-0. 18232	0. 04	0. 133	0. 107525 Mcy	MESP1
CD151. 5	7. 24E-06	0. 122856	0. 67	0. 478	0. 108251 Mcy	CD151
SEMA4D. 5	7. 24E-06	0. 142094	0. 158	0. 079	0. 108258 Mcy	SEMA4D
PRKDC. 3	7. 25E-06	0. 15663	0. 418	0. 289	0. 10841 Mcy	PRKDC
NAP1L5. 4	7. 31E-06	-0. 25625	0. 044	0. 136	0. 109278 Mcy	NAP1L5
HIST1H2AC	7. 32E-06	-0. 43671	0. 07	0. 169	0. 109445 Mcy	HIST1H2AC
NCAM2. 4	7. 34E-06	-0. 24167	0	0. 069	0. 109656 Mcy	NCAM2
FIGN. 4	7. 41E-06	-0. 15924	0. 011	0. 089	0. 110729 Mcy	FIGN
PIN4. 4	7. 46E-06	0. 178118	0. 557	0. 415	0. 111538 Mcy	PIN4
PITPNC1. 3	7. 52E-06	-0. 14023	0. 033	0. 125	0. 112348 Mcy	PITPNC1
OBFC1. 2	7. 59E-06	0. 116219	0. 161	0. 085	0. 11338 Mcy	OBFC1
RP11-698F	7. 68E-06	0. 137198	0. 004	0	0. 114799 Mcy	RP11-698F20. 3
PDLIM7. 3	7. 72E-06	0. 187627	0. 348	0. 236	0. 115424 Mcy	PDLIM7
HKR1. 5	7. 73E-06	-0. 17973	0. 029	0. 118	0. 115528 Mcy	HKR1
DTD1. 6	7. 75E-06	-0. 35922	0. 304	0. 394	0. 115862 Mcy	DTD1
NCOR1. 5	7. 86E-06	-0. 33005	0. 41	0. 465	0. 11743 Mcy	NCOR1
MAPKAPK2.	7. 95E-06	0. 249784	0. 22	0. 131	0. 118804 Mcy	MAPKAPK2
UQCRC1. 3	7. 98E-06	0. 138336	0. 637	0. 485	0. 119306 Mcy	UQCRC1
SIGIRR. 5	8. 01E-06	0. 138515	0. 304	0. 193	0. 119765 Mcy	SIGIRR
EME1	8. 03E-06	0. 132102	0. 066	0. 024	0. 119995 Mcy	EME1
LSS. 5	8. 08E-06	-0. 21689	0. 018	0. 1	0. 120757 Mcy	LSS
GJA1. 3	8. 31E-06	-0. 33212	0. 007	0. 081	0. 124181 Mcy	GJA1
HIPK2. 4	8. 38E-06	-0. 3338	0. 114	0. 223	0. 12518 Mcy	HIPK2
NDUFB8. 2	8. 38E-06	0. 238436	0. 121	0. 055	0. 125256 Mcy	NDUFB8
HOXC9. 6	8. 44E-06	-0. 26649	0. 011	0. 087	0. 126098 Mcy	HOXC9
ITGA3. 4	8. 47E-06	-0. 13898	0. 018	0. 101	0. 12659 Mcy	ITGA3
INIP. 2	8. 54E-06	0. 205064	0. 297	0. 195	0. 12769 Mcy	INIP
FAT1. 4	8. 58E-06	-0. 13421	0	0. 068	0. 128235 Mcy	FAT1
SRSF12. 4	8. 60E-06	-0. 17753	0. 004	0. 074	0. 128591 Mcy	SRSF12
FAM102A. 3	8. 64E-06	-0. 2377	0. 018	0. 1	0. 129151 Mcy	FAM102A
SCML1. 3	8. 65E-06	0. 102061	0. 176	0. 092	0. 129267 Mcy	SCML1
ZFP90. 5	8. 75E-06	-0. 19871	0. 04	0. 133	0. 130716 Mcy	ZFP90
PTPRD. 5	8. 76E-06	-0. 25577	0. 004	0. 074	0. 130937 Mcy	PTPRD
MPDZ. 4	8. 84E-06	-0. 13353	0. 011	0. 088	0. 132061 Mcy	MPDZ
SMIM14. 4	8. 87E-06	-0. 36663	0. 209	0. 333	0. 132623 Mcy	SMIM14
ZNF133. 2	8. 90E-06	-0. 18076	0. 007	0. 081	0. 133061 Mcy	ZNF133
ECE1. 4	8. 92E-06	-0. 18602	0. 007	0. 082	0. 133348 Mcy	ECE1
EED. 1	8. 93E-06	0. 1249	0. 176	0. 095	0. 133466 Mcy	EED
PIK3R3. 4	8. 93E-06	-0. 25096	0. 04	0. 134	0. 133466 Mcy	PIK3R3
C14orf132	8. 93E-06	-0. 27833	0. 015	0. 093	0. 133503 Mcy	C14orf132
CACNG8. 4	8. 97E-06	-0. 16393	0. 004	0. 075	0. 134101 Mcy	CACNG8
TRIM16L. 3	8. 98E-06	-0. 1572	0. 004	0. 075	0. 134192 Mcy	TRIM16L
CENPL. 1	9. 01E-06	0. 191378	0. 11	0. 051	0. 134602 Mcy	CENPL
GDAP1. 6	9. 05E-06	-0. 32728	0. 059	0. 154	0. 135219 Mcy	GDAP1
RB1CC1. 4	9. 07E-06	-0. 33529	0. 168	0. 279	0. 135494 Mcy	RB1CC1
NDUFV1. 2	9. 07E-06	0. 143813	0. 619	0. 476	0. 135515 Mcy	NDUFV1

BRINP2. 5	9. 10E-06	-0. 17611	0. 004	0. 074	0. 135917	Mcy	BRINP2
TCN2. 2	9. 13E-06	0. 12296	0. 179	0. 097	0. 13646	Mcy	TCN2
NAA10. 4	9. 20E-06	0. 223503	0. 568	0. 422	0. 137436	Mcy	NAA10
PEG10. 4	9. 24E-06	-0. 29524	0. 022	0. 104	0. 138068	Mcy	PEG10
IER2. 5	9. 25E-06	-0. 30897	0. 612	0. 615	0. 138299	Mcy	IER2
GPSM1. 5	9. 26E-06	-0. 17654	0. 004	0. 074	0. 138392	Mcy	GPSM1
FAM181A. 4	9. 35E-06	-0. 24571	0	0. 067	0. 139652	Mcy	FAM181A
METTL17. 1	9. 35E-06	0. 103382	0. 205	0. 116	0. 139663	Mcy	METTL17
TIMM8B. 4	9. 35E-06	0. 189345	0. 718	0. 54	0. 13973	Mcy	TIMM8B
RDX. 5	9. 38E-06	-0. 28223	0. 432	0. 492	0. 140219	Mcy	RDX
SF3B4	9. 47E-06	0. 189268	0. 44	0. 319	0. 141523	Mcy	SF3B4
RALY. 3	9. 67E-06	0. 176608	0. 615	0. 452	0. 144547	Mcy	RALY
PUS1. 2	9. 68E-06	0. 122898	0. 15	0. 077	0. 144599	Mcy	PUS1
SNTA1. 4	9. 69E-06	-0. 14952	0. 011	0. 087	0. 144772	Mcy	SNTA1
PPP1CB. 3	9. 71E-06	-0. 31759	0. 462	0. 507	0. 145069	Mcy	PPP1CB
ZNF512. 4	9. 75E-06	-0. 23591	0. 037	0. 126	0. 145635	Mcy	ZNF512
MICU1. 2	9. 77E-06	0. 19195	0. 223	0. 132	0. 14599	Mcy	MICU1
KLF6. 5	9. 80E-06	0. 109255	0. 729	0. 527	0. 146464	Mcy	KLF6
ZNF334. 3	9. 81E-06	-0. 16632	0. 004	0. 074	0. 146661	Mcy	ZNF334
RIMKLB. 4	9. 83E-06	-0. 22214	0. 055	0. 153	0. 146853	Mcy	RIMKLB
UBALD2. 3	9. 84E-06	0. 216815	0. 374	0. 257	0. 147004	Mcy	UBALD2
ESYT1. 5	9. 88E-06	0. 171784	0. 205	0. 118	0. 147611	Mcy	ESYT1
FEM1C. 2	1. 01E-05	-0. 22194	0. 048	0. 142	0. 150721	Mcy	FEM1C
RGN. 5	1. 01E-05	-0. 22405	0. 004	0. 074	0. 151181	Mcy	RGN
E2F5. 3	1. 02E-05	-0. 12156	0	0. 067	0. 152076	Mcy	E2F5
SLC35A2. 1	1. 02E-05	0. 123689	0. 264	0. 164	0. 152401	Mcy	SLC35A2
CDK6. 5	1. 02E-05	-0. 31524	0. 103	0. 208	0. 152562	Mcy	CDK6
PWAR6. 3	1. 03E-05	-0. 15864	0. 004	0. 074	0. 153371	Mcy	PWAR6
THEM4. 2	1. 04E-05	0. 109889	0. 147	0. 075	0. 155024	Mcy	THEM4
NUDCD2. 3	1. 04E-05	0. 169214	0. 535	0. 397	0. 155111	Mcy	NUDCD2
DMPK. 3	1. 05E-05	-0. 14491	0	0. 067	0. 156457	Mcy	DMPK
GPATCH4. 1	1. 05E-05	0. 118717	0. 297	0. 19	0. 157323	Mcy	GPATCH4
GLCCI1. 5	1. 06E-05	-0. 33235	0. 059	0. 153	0. 158306	Mcy	GLCCI1
CUL4A. 2	1. 06E-05	0. 141466	0. 238	0. 143	0. 15832	Mcy	CUL4A
EEF1B2. 5	1. 07E-05	0. 106178	0. 923	0. 773	0. 159273	Mcy	EEF1B2
EVA1C. 5	1. 07E-05	-0. 17406	0. 004	0. 073	0. 160151	Mcy	EVA1C
SNRPF. 3	1. 08E-05	0. 12032	0. 685	0. 543	0. 160663	Mcy	SNRPF
BBS2. 6	1. 08E-05	-0. 28886	0. 073	0. 175	0. 161147	Mcy	BBS2
TXNDC17. 5	1. 08E-05	0. 121997	0. 703	0. 521	0. 161472	Mcy	TXNDC17
ACTR3B. 3	1. 08E-05	-0. 20225	0. 026	0. 109	0. 161771	Mcy	ACTR3B
TCTEX1D2. 1	1. 08E-05	-0. 31103	0. 117	0. 23	0. 162046	Mcy	TCTEX1D2
KIFAP3. 5	1. 09E-05	-0. 26268	0. 099	0. 205	0. 162291	Mcy	KIFAP3
ZNF429. 5	1. 10E-05	-0. 23364	0. 04	0. 131	0. 164239	Mcy	ZNF429
PRKCZ. 6	1. 11E-05	-0. 22686	0. 022	0. 102	0. 16592	Mcy	PRKCZ
ALKBH4. 4	1. 11E-05	-0. 2116	0. 095	0. 2	0. 166398	Mcy	ALKBH4
CEP57. 3	1. 12E-05	0. 182857	0. 341	0. 227	0. 167961	Mcy	CEP57
CBFA2T2. 5	1. 13E-05	-0. 22469	0. 04	0. 13	0. 168163	Mcy	CBFA2T2
LSM6. 3	1. 15E-05	0. 146078	0. 454	0. 328	0. 171211	Mcy	LSM6
ATOH8. 3	1. 15E-05	0. 102108	0. 114	0. 052	0. 171877	Mcy	ATOH8
MRRF. 1	1. 16E-05	0. 141	0. 172	0. 093	0. 172787	Mcy	MRRF
CTHRC1. 5	1. 16E-05	-0. 13649	0	0. 066	0. 172797	Mcy	CTHRC1

GBA. 2	1. 16E-05	0. 181727	0. 216	0. 128	0. 173735	Mcy	GBA
DIP2C. 3	1. 16E-05	-0. 16183	0. 011	0. 086	0. 173785	Mcy	DIP2C
FOXRED1. 2	1. 17E-05	0. 184618	0. 187	0. 105	0. 174171	Mcy	FOXRED1
SYAP1. 5	1. 17E-05	0. 222456	0. 513	0. 384	0. 175068	Mcy	SYAP1
SOX21-AS1	1. 17E-05	-0. 14105	0	0. 066	0. 175266	Mcy	SOX21-AS1
DAPK1. 3	1. 18E-05	0. 141624	0. 121	0. 057	0. 175636	Mcy	DAPK1
CIB2. 4	1. 18E-05	-0. 13733	0. 007	0. 079	0. 176464	Mcy	CIB2
NOLC1. 1	1. 18E-05	0. 115854	0. 245	0. 149	0. 176525	Mcy	NOLC1
ZNF292. 4	1. 18E-05	-0. 25024	0. 15	0. 266	0. 176877	Mcy	ZNF292
SMARCA4. 5	1. 20E-05	-0. 3464	0. 271	0. 363	0. 178727	Mcy	SMARCA4
DPP4. 3	1. 20E-05	-0. 1516	0. 007	0. 079	0. 178801	Mcy	DPP4
TMEM67. 4	1. 20E-05	-0. 21343	0. 018	0. 097	0. 179362	Mcy	TMEM67
GPN2. 1	1. 20E-05	0. 130693	0. 198	0. 113	0. 179937	Mcy	GPN2
REPIN1. 6	1. 21E-05	-0. 25834	0. 161	0. 277	0. 180316	Mcy	REPIN1
ZNF444. 4	1. 21E-05	-0. 2044	0. 062	0. 162	0. 180539	Mcy	ZNF444
ZNF117. 4	1. 21E-05	-0. 24491	0. 026	0. 107	0. 181493	Mcy	ZNF117
ANKRA2. 3	1. 23E-05	-0. 28528	0. 055	0. 149	0. 183182	Mcy	ANKRA2
DLL1. 4	1. 24E-05	-0. 25249	0. 004	0. 073	0. 184975	Mcy	DLL1
RUVBL1. 3	1. 25E-05	0. 269323	0. 377	0. 263	0. 186387	Mcy	RUVBL1
ZNF83. 2	1. 26E-05	-0. 25757	0. 092	0. 2	0. 187935	Mcy	ZNF83
SNX1. 2	1. 26E-05	0. 193892	0. 33	0. 219	0. 188881	Mcy	SNX1
DCLRE1B. 1	1. 27E-05	0. 169353	0. 114	0. 054	0. 189806	Mcy	DCLRE1B
AP2A2. 5	1. 27E-05	0. 163253	0. 366	0. 249	0. 190168	Mcy	AP2A2
PLD4. 6	1. 27E-05	0. 124004	0. 267	0. 151	0. 190479	Mcy	PLD4
ZNF7. 2	1. 28E-05	-0. 30405	0. 066	0. 163	0. 190663	Mcy	ZNF7
HEY2. 2	1. 28E-05	-0. 14332	0	0. 065	0. 19083	Mcy	HEY2
ASUN. 2	1. 28E-05	0. 140857	0. 19	0. 109	0. 190855	Mcy	ASUN
LINC01102	1. 28E-05	-0. 24869	0. 004	0. 072	0. 19088	Mcy	LINC01102
HES4. 6	1. 28E-05	-0. 24104	0. 084	0. 189	0. 191362	Mcy	HES4
SMAD9. 4	1. 28E-05	-0. 20279	0. 004	0. 072	0. 191771	Mcy	SMAD9
FRMD4A. 5	1. 30E-05	0. 155229	0. 304	0. 185	0. 193686	Mcy	FRMD4A
CCDC102B. 1	1. 30E-05	-0. 22624	0. 022	0. 103	0. 19415	Mcy	CCDC102B
GJC1. 4	1. 31E-05	-0. 12883	0	0. 065	0. 196316	Mcy	GJC1
LIN54	1. 32E-05	0. 134001	0. 088	0. 037	0. 196913	Mcy	LIN54
NTRK2. 5	1. 34E-05	-0. 39102	0. 037	0. 123	0. 199527	Mcy	NTRK2
PLEKHH3. 3	1. 34E-05	-0. 16096	0. 011	0. 085	0. 199661	Mcy	PLEKHH3
CKAP5. 6	1. 34E-05	0. 245184	0. 245	0. 154	0. 200142	Mcy	CKAP5
TMOD1. 4	1. 34E-05	-0. 3876	0. 066	0. 159	0. 200286	Mcy	TMOD1
FMNL2. 5	1. 35E-05	-0. 3094	0. 158	0. 268	0. 201204	Mcy	FMNL2
OTUD7B. 4	1. 37E-05	-0. 20944	0. 022	0. 103	0. 204412	Mcy	OTUD7B
MMP19. 3	1. 37E-05	0. 103373	0. 121	0. 057	0. 204529	Mcy	MMP19
RP11-332H	1. 38E-05	-0. 25179	0. 04	0. 129	0. 206746	Mcy	RP11-332H14. 2
SHOX2. 4	1. 39E-05	-0. 13457	0	0. 065	0. 207764	Mcy	SHOX2
GPN1. 2	1. 39E-05	0. 125074	0. 333	0. 221	0. 20817	Mcy	GPN1
DNAJB11. 3	1. 40E-05	0. 132256	0. 557	0. 43	0. 209569	Mcy	DNAJB11
CRIM1. 5	1. 43E-05	-0. 14778	0	0. 065	0. 213734	Mcy	CRIM1
SEC62. 3	1. 43E-05	-0. 2442	0. 692	0. 691	0. 213795	Mcy	SEC62
NNT-AS1. 5	1. 44E-05	-0. 26576	0. 114	0. 224	0. 214751	Mcy	NNT-AS1
EXOSC5. 1	1. 45E-05	0. 170859	0. 282	0. 178	0. 21653	Mcy	EXOSC5
SYTL2. 4	1. 45E-05	-0. 28889	0. 007	0. 078	0. 21672	Mcy	SYTL2
PSPH. 5	1. 47E-05	-0. 29407	0. 066	0. 159	0. 219441	Mcy	PSPH

SOX5. 4	1. 47E-05	-0. 19909	0. 015	0. 09	0. 219528 Mcy	SOX5
ZNF414. 6	1. 47E-05	-0. 21624	0. 084	0. 188	0. 219615 Mcy	ZNF414
ZFP64. 2	1. 47E-05	-0. 14248	0. 007	0. 078	0. 220376 Mcy	ZFP64
DDX17. 3	1. 48E-05	-0. 30396	0. 337	0. 426	0. 221368 Mcy	DDX17
DPY19L3. 4	1. 48E-05	-0. 18953	0. 015	0. 09	0. 221776 Mcy	DPY19L3
PPFIA3. 4	1. 49E-05	-0. 14889	0. 015	0. 091	0. 222054 Mcy	PPFIA3
DIRAS2. 4	1. 49E-05	-0. 16998	0	0. 064	0. 223009 Mcy	DIRAS2
ZCCHC3. 5	1. 49E-05	-0. 15353	0. 026	0. 108	0. 223281 Mcy	ZCCHC3
RTCB. 3	1. 51E-05	0. 133324	0. 454	0. 33	0. 225923 Mcy	RTCB
MLLT10. 2	1. 52E-05	0. 265712	0. 209	0. 124	0. 226535 Mcy	MLLT10
DCAKD. 5	1. 53E-05	-0. 18778	0. 048	0. 141	0. 228719 Mcy	DCAKD
RSPRY1. 4	1. 53E-05	-0. 29392	0. 143	0. 251	0. 229028 Mcy	RSPRY1
SF3B5. 2	1. 53E-05	0. 134279	0. 791	0. 626	0. 22905 Mcy	SF3B5
SLC2A9. 4	1. 54E-05	0. 194457	0. 066	0. 024	0. 229687 Mcy	SLC2A9
TRAPPC4. 4	1. 55E-05	0. 113669	0. 586	0. 441	0. 232087 Mcy	TRAPPC4
SPOCK1. 5	1. 56E-05	-0. 29649	0. 011	0. 083	0. 232445 Mcy	SPOCK1
GPX8. 5	1. 56E-05	-0. 14988	0	0. 064	0. 232683 Mcy	GPX8
PLXNB1. 5	1. 57E-05	-0. 21544	0. 007	0. 077	0. 234543 Mcy	PLXNB1
PKIA. 6	1. 57E-05	-0. 25369	0. 018	0. 095	0. 235281 Mcy	PKIA
KCTD3. 3	1. 60E-05	-0. 19799	0. 051	0. 145	0. 238497 Mcy	KCTD3
FAM84B. 5	1. 60E-05	-0. 23397	0. 015	0. 089	0. 238687 Mcy	FAM84B
TOMM34. 2	1. 60E-05	0. 162525	0. 22	0. 134	0. 239165 Mcy	TOMM34
HS6ST2. 2	1. 60E-05	-0. 11767	0	0. 064	0. 239363 Mcy	HS6ST2
IGDCC3. 6	1. 60E-05	-0. 1438	0	0. 064	0. 239363 Mcy	IGDCC3
ABCA3. 4	1. 62E-05	-0. 15524	0. 007	0. 078	0. 242182 Mcy	ABCA3
LGALSL. 4	1. 62E-05	-0. 16293	0	0. 064	0. 242774 Mcy	LGALSL
PPP4C. 4	1. 63E-05	0. 164007	0. 685	0. 54	0. 243834 Mcy	PPP4C
ELP5. 2	1. 64E-05	0. 144023	0. 377	0. 264	0. 24506 Mcy	ELP5
CYR61. 4	1. 64E-05	-0. 517	0. 077	0. 17	0. 245236 Mcy	CYR61
CDC7. 1	1. 64E-05	0. 105264	0. 092	0. 04	0. 24532 Mcy	CDC7
TRIM37. 4	1. 65E-05	-0. 177	0. 055	0. 152	0. 245933 Mcy	TRIM37
PLEKHH2. 3	1. 65E-05	-0. 17272	0. 004	0. 07	0. 246865 Mcy	PLEKHH2
PLOD2. 4	1. 66E-05	-0. 25405	0. 066	0. 164	0. 247346 Mcy	PLOD2
ZNF146. 4	1. 66E-05	-0. 27981	0. 121	0. 23	0. 248321 Mcy	ZNF146
TBK1. 2	1. 67E-05	0. 115255	0. 242	0. 148	0. 249024 Mcy	TBK1
ODC1. 5	1. 67E-05	-0. 3171	0. 319	0. 395	0. 249433 Mcy	ODC1
COL5A2. 4	1. 67E-05	-0. 12418	0	0. 064	0. 249741 Mcy	COL5A2
PYGB. 4	1. 68E-05	-0. 25712	0. 106	0. 213	0. 250345 Mcy	PYGB
FAM131B. 4	1. 68E-05	-0. 17388	0. 007	0. 078	0. 250398 Mcy	FAM131B
C5orf42. 4	1. 68E-05	-0. 16873	0. 018	0. 096	0. 25082 Mcy	C5orf42
RGAG4. 3	1. 69E-05	-0. 13024	0	0. 064	0. 253299 Mcy	RGAG4
LY6H. 5	1. 70E-05	-0. 34027	0. 015	0. 087	0. 253841 Mcy	LY6H
SNAP47. 4	1. 70E-05	-0. 28467	0. 099	0. 205	0. 253911 Mcy	SNAP47
LMO1. 5	1. 70E-05	-0. 26081	0. 007	0. 076	0. 254508 Mcy	LMO1
IPO11. 1	1. 71E-05	0. 100043	0. 117	0. 056	0. 255871 Mcy	IPO11
AGPS. 3	1. 72E-05	0. 188486	0. 205	0. 12	0. 256765 Mcy	AGPS
PLAA. 2	1. 73E-05	0. 284632	0. 168	0. 092	0. 257966 Mcy	PLAA
C9orf3. 4	1. 73E-05	-0. 29914	0. 026	0. 106	0. 258509 Mcy	C9orf3
TYRO3. 5	1. 73E-05	-0. 22788	0. 029	0. 111	0. 259014 Mcy	TYRO3
ATP13A3. 3	1. 74E-05	0. 163891	0. 242	0. 148	0. 260119 Mcy	ATP13A3
MXD1. 5	1. 74E-05	0. 107399	0. 22	0. 126	0. 260318 Mcy	MXD1



RUFY1. 2	1. 75E-05	0. 130014	0. 245	0. 15	0. 26107 Mcy	RUFY1
TAF15. 4	1. 79E-05	0. 185326	0. 381	0. 271	0. 268008 Mcy	TAF15
LANCL2. 6	1. 79E-05	-0. 30395	0. 062	0. 154	0. 268213 Mcy	LANCL2
FBXO21. 4	1. 80E-05	-0. 36026	0. 209	0. 31	0. 269339 Mcy	FBXO21
SPRY2. 5	1. 81E-05	-0. 32469	0. 121	0. 22	0. 27028 Mcy	SPRY2
FMN2. 4	1. 83E-05	-0. 15947	0. 004	0. 07	0. 27285 Mcy	FMN2
GUCD1. 3	1. 83E-05	0. 297823	0. 205	0. 121	0. 273618 Mcy	GUCD1
FAM221A. 6	1. 84E-05	-0. 27457	0. 081	0. 18	0. 274694 Mcy	FAM221A
RAB30. 4	1. 85E-05	-0. 15888	0. 007	0. 077	0. 275723 Mcy	RAB30
CNKSR2. 4	1. 85E-05	-0. 13612	0	0. 063	0. 275726 Mcy	CNKSR2
APC. 6	1. 85E-05	-0. 21169	0. 11	0. 216	0. 276264 Mcy	APC
ARAP1. 5	1. 85E-05	0. 126011	0. 19	0. 106	0. 276754 Mcy	ARAP1
EPHA4. 3	1. 85E-05	-0. 15354	0. 011	0. 083	0. 276766 Mcy	EPHA4
RORA. 3	1. 86E-05	-0. 22021	0. 007	0. 076	0. 278615 Mcy	RORA
LAGE3. 1	1. 87E-05	0. 198483	0. 531	0. 395	0. 279082 Mcy	LAGE3
MRFAP1. 5	1. 87E-05	-0. 20644	0. 685	0. 67	0. 280033 Mcy	MRFAP1
MSANTD4. 3	1. 91E-05	-0. 22079	0. 04	0. 127	0. 285024 Mcy	MSANTD4
SUGT1. 3	1. 91E-05	0. 193882	0. 465	0. 342	0. 285418 Mcy	SUGT1
OFD1. 2	1. 92E-05	-0. 25218	0. 165	0. 277	0. 286464 Mcy	OFD1
LTBP2. 1	1. 93E-05	0. 10515	0. 066	0. 025	0. 288296 Mcy	LTBP2
VPS36. 3	1. 93E-05	0. 121015	0. 304	0. 198	0. 28868 Mcy	VPS36
TCTN1. 5	1. 93E-05	-0. 30806	0. 106	0. 214	0. 288806 Mcy	TCTN1
CSF1. 4	1. 93E-05	-0. 11391	0. 018	0. 096	0. 288897 Mcy	CSF1
RAB2A. 3	1. 94E-05	-0. 24803	0. 557	0. 592	0. 290388 Mcy	RAB2A
MCUR1. 4	1. 94E-05	0. 196306	0. 37	0. 26	0. 290447 Mcy	MCUR1
ZNF532. 4	1. 97E-05	-0. 17043	0. 018	0. 095	0. 29413 Mcy	ZNF532
ADORA1. 4	1. 97E-05	-0. 20536	0. 037	0. 124	0. 294529 Mcy	ADORA1
METAP1D. 4	1. 97E-05	-0. 27026	0. 04	0. 126	0. 294629 Mcy	METAP1D
KPNA5. 2	1. 97E-05	-0. 1803	0. 018	0. 094	0. 295116 Mcy	KPNA5
LRP12. 3	1. 99E-05	-0. 1671	0. 018	0. 094	0. 297828 Mcy	LRP12
STK33. 5	2. 01E-05	-0. 14677	0. 004	0. 07	0. 300417 Mcy	STK33
ABCA8. 4	2. 01E-05	-0. 282	0. 007	0. 076	0. 30053 Mcy	ABCA8
CMPK2. 2	2. 03E-05	0. 103926	0. 117	0. 055	0. 3034 Mcy	CMPK2
RND3. 5	2. 05E-05	-0. 42739	0. 143	0. 245	0. 307052 Mcy	RND3
PRUNE2. 4	2. 09E-05	-0. 35885	0. 037	0. 119	0. 311752 Mcy	PRUNE2
SMIM18. 5	2. 10E-05	-0. 21449	0	0. 062	0. 313112 Mcy	SMIM18
CRB1. 3	2. 10E-05	-0. 22114	0. 004	0. 069	0. 313677 Mcy	CRB1
COBL. 4	2. 10E-05	-0. 20016	0. 004	0. 069	0. 314068 Mcy	COBL
UGGT1. 1	2. 10E-05	0. 20613	0. 187	0. 109	0. 314133 Mcy	UGGT1
SFT2D2. 2	2. 11E-05	0. 202518	0. 238	0. 145	0. 314958 Mcy	SFT2D2
C17orf51. 2	2. 11E-05	-0. 15615	0. 004	0. 069	0. 315074 Mcy	C17orf51
SLC4A8. 1	2. 12E-05	-0. 17689	0. 007	0. 076	0. 316482 Mcy	SLC4A8
CCDC136. 4	2. 13E-05	-0. 23244	0. 018	0. 093	0. 318587 Mcy	CCDC136
RNF165. 5	2. 13E-05	-0. 17761	0. 004	0. 069	0. 318825 Mcy	RNF165
COX5A. 4	2. 14E-05	0. 143368	0. 736	0. 595	0. 319288 Mcy	COX5A
FLNB. 2	2. 14E-05	0. 126407	0. 106	0. 05	0. 320052 Mcy	FLNB
ZNF205. 3	2. 14E-05	-0. 19654	0. 029	0. 11	0. 320171 Mcy	ZNF205
RANBP2. 6	2. 14E-05	0. 133109	0. 315	0. 207	0. 320235 Mcy	RANBP2
CCDC28B. 5	2. 15E-05	-0. 20134	0. 11	0. 222	0. 321558 Mcy	CCDC28B
OXCT1. 3	2. 17E-05	0. 137345	0. 234	0. 146	0. 324402 Mcy	OXCT1
SORBS1. 4	2. 17E-05	-0. 15163	0. 018	0. 095	0. 324971 Mcy	SORBS1

CPT1C. 4	2. 18E-05	-0. 18053	0. 026	0. 107	0. 325361 Mcy	CPT1C
VPS18. 2	2. 19E-05	0. 196555	0. 147	0. 077	0. 32713 Mcy	VPS18
TRIB3. 4	2. 19E-05	-0. 21323	0. 007	0. 076	0. 327392 Mcy	TRIB3
UCHL5. 2	2. 20E-05	0. 139986	0. 238	0. 147	0. 32837 Mcy	UCHL5
ZNF577. 5	2. 20E-05	-0. 16172	0. 018	0. 094	0. 329248 Mcy	ZNF577
KCNIP1. 5	2. 21E-05	-0. 20927	0. 022	0. 1	0. 330929 Mcy	KCNIP1
DSTYK. 3	2. 22E-05	-0. 20937	0. 037	0. 123	0. 331881 Mcy	DSTYK
MXD4. 3	2. 23E-05	-0. 22538	0. 088	0. 191	0. 332757 Mcy	MXD4
TMEM80. 1	2. 23E-05	-0. 26085	0. 073	0. 171	0. 33314 Mcy	TMEM80
RIC8B. 4	2. 23E-05	-0. 1684	0. 018	0. 095	0. 333877 Mcy	RIC8B
CHST7. 4	2. 25E-05	-0. 1771	0. 029	0. 111	0. 336035 Mcy	CHST7
ZNF12. 4	2. 25E-05	-0. 20785	0. 04	0. 126	0. 336494 Mcy	ZNF12
EML1. 2	2. 25E-05	-0. 18211	0. 011	0. 081	0. 33684 Mcy	EML1
ENDOD1. 4	2. 27E-05	-0. 22468	0. 055	0. 146	0. 339672 Mcy	ENDOD1
RP11-66N1	2. 28E-05	-0. 18645	0. 015	0. 088	0. 341344 Mcy	RP11-66N11. 8
PPP2CB. 6	2. 29E-05	-0. 17099	0. 19	0. 299	0. 341815 Mcy	PPP2CB
RNF146. 3	2. 29E-05	-0. 28144	0. 147	0. 258	0. 341875 Mcy	RNF146
SLC12A2. 5	2. 29E-05	-0. 25919	0. 044	0. 132	0. 342261 Mcy	SLC12A2
SPRY4. 3	2. 30E-05	-0. 13159	0. 004	0. 069	0. 344106 Mcy	SPRY4
CNOT1. 4	2. 31E-05	0. 149267	0. 238	0. 147	0. 345165 Mcy	CNOT1
TF. 6	2. 33E-05	-0. 46273	0. 007	0. 074	0. 34881 Mcy	TF
TPD52L2. 3	2. 34E-05	0. 149485	0. 44	0. 321	0. 349411 Mcy	TPD52L2
KLHL7. 4	2. 35E-05	-0. 26428	0. 168	0. 282	0. 351164 Mcy	KLHL7
SMARCA2. 2	2. 39E-05	0. 106944	0. 223	0. 132	0. 357155 Mcy	SMARCA2
LINC00844	2. 40E-05	-0. 35301	0. 029	0. 108	0. 358241 Mcy	LINC00844
PCDH19. 4	2. 41E-05	-0. 1326	0	0. 061	0. 360577 Mcy	PCDH19
LZTS1. 5	2. 41E-05	-0. 14238	0	0. 061	0. 360577 Mcy	LZTS1
C12orf45. 2	2. 44E-05	0. 264516	0. 271	0. 176	0. 364243 Mcy	C12orf45
ACTN4. 3	2. 46E-05	0. 109226	0. 469	0. 329	0. 366878 Mcy	ACTN4
HOXA2. 5	2. 46E-05	-0. 24523	0. 007	0. 074	0. 367947 Mcy	HOXA2
CHD1L. 3	2. 49E-05	0. 102164	0. 227	0. 135	0. 372039 Mcy	CHD1L
CHST10. 3	2. 52E-05	-0. 20837	0. 051	0. 141	0. 376807 Mcy	CHST10
C5orf24. 5	2. 53E-05	-0. 30003	0. 198	0. 298	0. 378774 Mcy	C5orf24
TNKS1BP1. 2	2. 54E-05	-0. 14706	0. 007	0. 075	0. 380158 Mcy	TNKS1BP1
GRB10. 5	2. 55E-05	-0. 18149	0. 007	0. 074	0. 381641 Mcy	GRB10
NCEH1. 4	2. 56E-05	0. 107744	0. 132	0. 067	0. 382268 Mcy	NCEH1
VSTM2A. 5	2. 58E-05	-0. 50357	0. 029	0. 107	0. 385407 Mcy	VSTM2A
PREPL. 4	2. 58E-05	-0. 23562	0. 088	0. 191	0. 386029 Mcy	PREPL
TANC2. 2	2. 59E-05	-0. 25327	0. 092	0. 191	0. 386415 Mcy	TANC2
URI1. 3	2. 59E-05	-0. 26013	0. 117	0. 223	0. 387645 Mcy	URI1
SRRM3. 5	2. 60E-05	-0. 2497	0. 007	0. 074	0. 388201 Mcy	SRRM3
GFER. 3	2. 61E-05	0. 160961	0. 308	0. 206	0. 389966 Mcy	GFER
ATXN2. 4	2. 62E-05	-0. 27778	0. 117	0. 224	0. 392075 Mcy	ATXN2
TIMP4. 4	2. 63E-05	-0. 39008	0. 026	0. 102	0. 392315 Mcy	TIMP4
SCN3B. 4	2. 65E-05	-0. 25266	0. 007	0. 074	0. 395631 Mcy	SCN3B
RAB39B. 5	2. 65E-05	-0. 19318	0. 018	0. 092	0. 396071 Mcy	RAB39B
MPP2. 5	2. 66E-05	-0. 15524	0	0. 061	0. 397986 Mcy	MPP2
MAPRE1. 3	2. 68E-05	0. 142026	0. 608	0. 474	0. 399987 Mcy	MAPRE1
DPCD. 4	2. 68E-05	0. 218366	0. 249	0. 159	0. 40088 Mcy	DPCD
ZYX. 6	2. 68E-05	0. 144442	0. 542	0. 398	0. 401143 Mcy	ZYX
KIF3C. 6	2. 70E-05	-0. 19813	0. 026	0. 104	0. 403615 Mcy	KIF3C

NT5C3B. 5	2. 71E-05	-0. 32198	0. 234	0. 334	0. 404488	Mcy	NT5C3B
CCDC25. 4	2. 71E-05	0. 170785	0. 414	0. 294	0. 405186	Mcy	CCDC25
NDUFB1. 3	2. 72E-05	0. 119799	0. 762	0. 589	0. 406628	Mcy	NDUFB1
HSPA4L. 4	2. 74E-05	-0. 19909	0. 007	0. 074	0. 409604	Mcy	HSPA4L
TAOK1. 3	2. 76E-05	-0. 17286	0. 154	0. 262	0. 412664	Mcy	TAOK1
PTPRG. 3	2. 76E-05	-0. 15988	0. 007	0. 074	0. 412849	Mcy	PTPRG
CTTNBP2. 5	2. 79E-05	-0. 28713	0. 051	0. 139	0. 417233	Mcy	CTTNBP2
CDC42EP4. 2	2. 79E-05	-0. 29593	0. 103	0. 203	0. 417597	Mcy	CDC42EP4
C20orf27. 2	2. 82E-05	0. 11659	0. 495	0. 357	0. 421007	Mcy	C20orf27
PHACTR2. 4	2. 83E-05	0. 189309	0. 15	0. 081	0. 422206	Mcy	PHACTR2
ZNF268. 4	2. 83E-05	-0. 24164	0. 037	0. 119	0. 423301	Mcy	ZNF268
CHST11. 6	2. 83E-05	0. 105976	0. 33	0. 21	0. 423382	Mcy	CHST11
ALG1. 2	2. 84E-05	0. 176743	0. 19	0. 111	0. 424566	Mcy	ALG1
ATP5B. 4	2. 84E-05	-0. 1836	0. 806	0. 775	0. 424969	Mcy	ATP5B
NEO1. 4	2. 90E-05	-0. 16419	0. 007	0. 074	0. 432968	Mcy	NEO1
GPS1. 3	2. 90E-05	0. 158254	0. 44	0. 321	0. 433863	Mcy	GPS1
IGFBP6. 4	2. 90E-05	-0. 24803	0. 004	0. 067	0. 433881	Mcy	IGFBP6
TYW3	2. 91E-05	0. 171863	0. 223	0. 138	0. 434597	Mcy	TYW3
ROCK1. 5	2. 91E-05	0. 123166	0. 425	0. 306	0. 435594	Mcy	ROCK1
GRHPR. 3	2. 93E-05	0. 170655	0. 516	0. 39	0. 437559	Mcy	GRHPR
PAQR6. 4	2. 93E-05	-0. 19042	0. 007	0. 074	0. 438112	Mcy	PAQR6
MARC1. 4	2. 94E-05	-0. 13464	0	0. 06	0. 439247	Mcy	1-Mar
DRAM1. 3	2. 97E-05	0. 101671	0. 139	0. 072	0. 443737	Mcy	DRAM1
SPSB4. 5	2. 98E-05	-0. 1285	0	0. 06	0. 445478	Mcy	SPSB4
ARHGEF25. 2	2. 99E-05	-0. 18799	0. 004	0. 067	0. 446299	Mcy	ARHGEF25
ISCA2. 2	2. 99E-05	0. 160069	0. 396	0. 279	0. 44641	Mcy	ISCA2
MGME1. 1	3. 00E-05	0. 118462	0. 234	0. 145	0. 448115	Mcy	MGME1
ARHGAP12. 3	3. 00E-05	-0. 27649	0. 092	0. 192	0. 448191	Mcy	ARHGAP12
GPR37L1. 5	3. 00E-05	-0. 33394	0. 015	0. 086	0. 448567	Mcy	GPR37L1
NUP205. 1	3. 01E-05	0. 142961	0. 121	0. 06	0. 450123	Mcy	NUP205
EIF3D. 5	3. 02E-05	0. 157614	0. 619	0. 473	0. 451672	Mcy	EIF3D
MCHR1. 4	3. 02E-05	-0. 12352	0	0. 06	0. 451796	Mcy	MCHR1
LRP4. 3	3. 02E-05	-0. 17342	0	0. 06	0. 451796	Mcy	LRP4
SBK1. 6	3. 03E-05	-0. 20532	0. 007	0. 073	0. 452118	Mcy	SBK1
EID2. 5	3. 05E-05	-0. 19578	0. 033	0. 113	0. 456153	Mcy	EID2
SYNM. 4	3. 07E-05	-0. 14135	0. 007	0. 073	0. 458306	Mcy	SYNM
TRPM4. 2	3. 13E-05	0. 164893	0. 088	0. 039	0. 4671	Mcy	TRPM4
ACTL6B. 5	3. 13E-05	-0. 2822	0. 011	0. 078	0. 467528	Mcy	ACTL6B
PRSS23. 4	3. 16E-05	-0. 27802	0. 011	0. 079	0. 471627	Mcy	PRSS23
ADAMTS6. 3	3. 18E-05	-0. 1341	0. 004	0. 067	0. 474656	Mcy	ADAMTS6
WNK1. 4	3. 18E-05	0. 120274	0. 392	0. 276	0. 475239	Mcy	WNK1
DNAJC13. 2	3. 19E-05	0. 185502	0. 136	0. 071	0. 47628	Mcy	DNAJC13
PPME1. 4	3. 19E-05	-0. 24702	0. 084	0. 184	0. 476935	Mcy	PPME1
ATPIF1. 1	3. 21E-05	0. 120876	0. 788	0. 619	0. 480025	Mcy	ATPIF1
KLHL35. 5	3. 22E-05	-0. 26667	0. 022	0. 096	0. 480484	Mcy	KLHL35
GLE1	3. 22E-05	0. 108043	0. 19	0. 11	0. 481325	Mcy	GLE1
FAM69B. 4	3. 24E-05	-0. 1144	0	0. 06	0. 484751	Mcy	FAM69B
TTC28. 4	3. 29E-05	-0. 18416	0. 022	0. 097	0. 492183	Mcy	TTC28
MSRB1. 2	3. 32E-05	0. 1929	0. 319	0. 218	0. 495492	Mcy	MSRB1
MSX1. 4	3. 33E-05	-0. 15394	0. 004	0. 066	0. 496962	Mcy	MSX1
IFT43. 5	3. 33E-05	-0. 34844	0. 154	0. 259	0. 497411	Mcy	IFT43

ZNF253.4	3.34E-05	-0.1887	0.015	0.085	0.498926	Mcy	ZNF253
WSB1.3	3.34E-05	-0.24516	0.63	0.652	0.49922	Mcy	WSB1
EFHD1.3	3.38E-05	-0.28818	0	0.059	0.505657	Mcy	EFHD1
RNF138.1	3.40E-05	0.12896	0.275	0.178	0.508679	Mcy	RNF138
HPS3.3	3.41E-05	0.166242	0.227	0.14	0.509146	Mcy	HPS3
SIL1.5	3.41E-05	0.121102	0.366	0.252	0.509222	Mcy	SIL1
ZNF786.4	3.42E-05	-0.15732	0.007	0.073	0.511552	Mcy	ZNF786
CSNK2B.2	3.43E-05	0.11395	0.751	0.604	0.5127	Mcy	CSNK2B
SLC6A8.3	3.44E-05	-0.23139	0.037	0.119	0.513357	Mcy	SLC6A8
URGCP.3	3.44E-05	-0.22434	0.037	0.117	0.514663	Mcy	URGCP
SUMF1.1	3.47E-05	0.168045	0.22	0.135	0.518129	Mcy	SUMF1
NKX2-5.4	3.47E-05	-0.22264	0.004	0.066	0.518518	Mcy	NKX2-5
RPS6KA3.4	3.47E-05	0.150863	0.22	0.135	0.518537	Mcy	RPS6KA3
ADSS.2	3.47E-05	0.153263	0.282	0.184	0.518772	Mcy	ADSS
KCND3.5	3.48E-05	-0.14017	0	0.059	0.52009	Mcy	KCND3
ZNF775.5	3.49E-05	-0.1585	0.022	0.096	0.521746	Mcy	ZNF775
LAMC1.3	3.51E-05	-0.11112	0.026	0.104	0.523942	Mcy	LAMC1
FLOT1.6	3.51E-05	0.140045	0.656	0.499	0.524938	Mcy	FLOT1
NDUFV2.4	3.52E-05	0.105941	0.74	0.588	0.525858	Mcy	NDUFV2
CSTB.4	3.55E-05	0.140114	0.85	0.686	0.530078	Mcy	CSTB
ARAP3.3	3.56E-05	-0.1453	0.004	0.066	0.532323	Mcy	ARAP3
C11orf49.	3.60E-05	-0.2528	0.128	0.239	0.537373	Mcy	C11orf49
RP11-563K	3.60E-05	-0.16971	0.004	0.066	0.538405	Mcy	RP11-563K23.1
RAB6A.5	3.61E-05	-0.27031	0.289	0.396	0.538852	Mcy	RAB6A
HIST1H1E	3.61E-05	0.183567	0.084	0.037	0.539619	Mcy	HIST1H1E
HIP1.4	3.64E-05	-0.18408	0.07	0.17	0.544397	Mcy	HIP1
CAMLG.5	3.65E-05	-0.35366	0.414	0.496	0.545296	Mcy	CAMLG
B9D1.4	3.68E-05	-0.21359	0.026	0.102	0.549269	Mcy	B9D1
FAXDC2.3	3.68E-05	-0.18774	0	0.059	0.550194	Mcy	FAXDC2
DACT3.4	3.70E-05	-0.21313	0.011	0.078	0.553391	Mcy	DACT3
WIZ.3	3.73E-05	-0.18216	0.033	0.113	0.55759	Mcy	WIZ
RABL6.4	3.74E-05	0.211137	0.348	0.244	0.559211	Mcy	RABL6
ICOSLG.6	3.74E-05	0.107767	0.165	0.089	0.559603	Mcy	ICOSLG
GPR161.6	3.76E-05	-0.16424	0.015	0.085	0.561167	Mcy	GPR161
YME1L1.4	3.76E-05	0.177396	0.366	0.258	0.561533	Mcy	YME1L1
ATXN7L3B.	3.76E-05	-0.22816	0.084	0.183	0.562101	Mcy	ATXN7L3B
EMD.1	3.77E-05	0.173415	0.392	0.281	0.562753	Mcy	EMD
SAMD14.3	3.77E-05	-0.16457	0.004	0.066	0.563031	Mcy	SAMD14
DBX2.5	3.77E-05	-0.12713	0.004	0.066	0.563968	Mcy	DBX2
WDR41.2	3.79E-05	0.143885	0.326	0.223	0.565668	Mcy	WDR41
BABAM1.2	3.79E-05	0.167076	0.531	0.402	0.566377	Mcy	BABAM1
C21orf59.	3.80E-05	-0.32969	0.212	0.319	0.567866	Mcy	C21orf59
EPDR1.5	3.85E-05	-0.17692	0.044	0.129	0.575885	Mcy	EPDR1
GMDS.2	3.87E-05	0.142427	0.158	0.088	0.578794	Mcy	GMDS
SLC2A10.3	3.88E-05	-0.12517	0.004	0.065	0.580003	Mcy	SLC2A10
TOE1	3.89E-05	0.106554	0.132	0.068	0.581519	Mcy	TOE1
EYA4.4	3.89E-05	-0.104	0	0.059	0.582028	Mcy	EYA4
SOGA1.5	3.91E-05	-0.14666	0.062	0.157	0.58382	Mcy	SOGA1
GS1-124K5	3.91E-05	-0.28637	0.037	0.116	0.584335	Mcy	GS1-124K5.4
METTL10.1	3.92E-05	0.182334	0.183	0.107	0.586177	Mcy	METTL10
ATAD3A.2	3.93E-05	0.123793	0.238	0.149	0.587662	Mcy	ATAD3A

VEZT. 4	3. 94E-05	-0. 3238	0. 128	0. 229	0. 588681 Mcy	VEZT
LMO3. 3	3. 96E-05	-0. 26283	0. 015	0. 084	0. 591427 Mcy	LMO3
SPEG. 4	3. 96E-05	-0. 16987	0. 007	0. 072	0. 592094 Mcy	SPEG
LGALS3. 4	3. 97E-05	-0. 59833	0. 462	0. 481	0. 592545 Mcy	LGALS3
PDCL3. 4	4. 02E-05	0. 156161	0. 407	0. 291	0. 600796 Mcy	PDCL3
BDNF-AS. 5	4. 03E-05	-0. 13475	0. 004	0. 065	0. 602789 Mcy	BDNF-AS
TXN. 4	4. 03E-05	-0. 2788	0. 667	0. 666	0. 602842 Mcy	TXN
CHUK. 1	4. 04E-05	0. 126162	0. 114	0. 055	0. 604241 Mcy	CHUK
SOX15. 4	4. 05E-05	-0. 22507	0. 007	0. 072	0. 605267 Mcy	SOX15
SIX1. 4	4. 06E-05	-0. 15541	0	0. 058	0. 607098 Mcy	SIX1
PPA1. 4	4. 07E-05	0. 116057	0. 667	0. 525	0. 608882 Mcy	PPA1
UPK3A. 2	4. 09E-05	0. 130163	0. 029	0. 007	0. 611356 Mcy	UPK3A
CHST3. 4	4. 09E-05	-0. 10636	0. 004	0. 065	0. 61152 Mcy	CHST3
POLR2L. 3	4. 11E-05	0. 132008	0. 883	0. 683	0. 614517 Mcy	POLR2L
XKR4. 4	4. 12E-05	-0. 17286	0	0. 058	0. 61569 Mcy	XKR4
DLX6. 6	4. 12E-05	-0. 22407	0	0. 058	0. 61569 Mcy	DLX6
ABHD17C. 3	4. 16E-05	-0. 11349	0. 015	0. 085	0. 621387 Mcy	ABHD17C
RCN1. 6	4. 17E-05	-0. 3524	0. 271	0. 356	0. 62258 Mcy	RCN1
LYRM9. 5	4. 17E-05	-0. 14495	0. 077	0. 175	0. 622644 Mcy	LYRM9
EN1. 3	4. 18E-05	-0. 16564	0. 004	0. 065	0. 624281 Mcy	EN1
DCAF6. 4	4. 20E-05	0. 108121	0. 26	0. 164	0. 627546 Mcy	DCAF6
KHSRP. 5	4. 22E-05	0. 28658	0. 333	0. 236	0. 630031 Mcy	KHSRP
MYO19	4. 24E-05	0. 115231	0. 147	0. 079	0. 633582 Mcy	MYO19
KLHL42. 5	4. 27E-05	-0. 2284	0. 07	0. 161	0. 638668 Mcy	KLHL42
ZNF605	4. 28E-05	-0. 22004	0. 011	0. 078	0. 639561 Mcy	ZNF605
BTBD3. 5	4. 29E-05	-0. 17577	0. 051	0. 139	0. 641149 Mcy	BTBD3
NHP2. 4	4. 30E-05	0. 110376	0. 74	0. 576	0. 642018 Mcy	NHP2
SFRP4. 2	4. 30E-05	-0. 25043	0	0. 058	0. 6422 Mcy	SFRP4
INSR. 4	4. 33E-05	-0. 25584	0. 059	0. 147	0. 647289 Mcy	INSR
ADAM22. 5	4. 35E-05	-0. 18238	0. 004	0. 064	0. 65037 Mcy	ADAM22
ZNF300. 5	4. 37E-05	-0. 18178	0. 007	0. 071	0. 652718 Mcy	ZNF300
BAMBI. 4	4. 38E-05	-0. 16815	0. 007	0. 071	0. 654067 Mcy	BAMBI
DLG5. 3	4. 39E-05	-0. 16069	0. 011	0. 078	0. 655582 Mcy	DLG5
TMTC4. 5	4. 39E-05	-0. 22413	0. 026	0. 1	0. 656529 Mcy	TMTC4
GMEB1	4. 39E-05	0. 125554	0. 168	0. 094	0. 656722 Mcy	GMEB1
CDC27. 3	4. 40E-05	0. 231079	0. 245	0. 161	0. 65765 Mcy	CDC27
FAT3. 4	4. 42E-05	-0. 12832	0	0. 058	0. 660499 Mcy	FAT3
SYNRG. 4	4. 44E-05	-0. 2489	0. 092	0. 191	0. 662904 Mcy	SYNRG
ELK3. 3	4. 45E-05	0. 110178	0. 158	0. 087	0. 664757 Mcy	ELK3
PPP1R14A. 4	4. 46E-05	-0. 49096	0. 033	0. 109	0. 665923 Mcy	PPP1R14A
YJEFN3. 4	4. 47E-05	-0. 14901	0. 004	0. 064	0. 668284 Mcy	YJEFN3
TMEM178B. 4	4. 48E-05	-0. 14805	0	0. 058	0. 669842 Mcy	TMEM178B
PHTF2. 2	4. 52E-05	0. 175386	0. 161	0. 09	0. 675852 Mcy	PHTF2
DUOX1. 6	4. 52E-05	-0. 16423	0. 004	0. 065	0. 67613 Mcy	DUOX1
GPR155. 5	4. 53E-05	-0. 25227	0. 092	0. 189	0. 677512 Mcy	GPR155
SPATA20. 3	4. 54E-05	0. 100052	0. 216	0. 129	0. 679148 Mcy	SPATA20
NDRG3. 5	4. 54E-05	-0. 24216	0. 084	0. 18	0. 679199 Mcy	NDRG3
C1QTNF4. 4	4. 55E-05	-0. 18148	0	0. 058	0. 679317 Mcy	C1QTNF4
GPX7. 2	4. 55E-05	0. 146966	0. 264	0. 175	0. 680011 Mcy	GPX7
FER. 2	4. 56E-05	-0. 16245	0. 022	0. 095	0. 68192 Mcy	FER
NXPH4. 4	4. 57E-05	-0. 20567	0. 004	0. 064	0. 68321 Mcy	NXPH4

AKTIP. 5	4. 62E-05	-0. 27725	0. 077	0. 17	0. 689748 Mcy	AKTIP
AK4. 5	4. 62E-05	-0. 29565	0. 088	0. 181	0. 690472 Mcy	AK4
CLDND1. 4	4. 64E-05	-0. 45658	0. 293	0. 396	0. 693189 Mcy	CLDND1
ZNF260. 3	4. 66E-05	-0. 17199	0. 026	0. 101	0. 695897 Mcy	ZNF260
HSD17B1. 3	4. 74E-05	-0. 11552	0	0. 057	0. 708545 Mcy	HSD17B1
LRRN2. 1	4. 74E-05	-0. 11639	0	0. 057	0. 708545 Mcy	LRRN2
AMPD2. 5	4. 74E-05	0. 113858	0. 242	0. 15	0. 708915 Mcy	AMPD2
NNMT. 4	4. 77E-05	-0. 22922	0. 07	0. 16	0. 712549 Mcy	NNMT
FAM110B. 4	4. 78E-05	-0. 25466	0. 092	0. 189	0. 715021 Mcy	FAM110B
ZNF883. 5	4. 80E-05	-0. 19391	0. 055	0. 143	0. 717899 Mcy	ZNF883
GATS. 3	4. 85E-05	-0. 18036	0. 004	0. 064	0. 724199 Mcy	GATS
LIAS. 1	4. 85E-05	0. 120577	0. 176	0. 101	0. 724699 Mcy	LIAS
ASNA1. 4	4. 86E-05	0. 12128	0. 678	0. 516	0. 726628 Mcy	ASNA1
PPM1K. 2	4. 86E-05	-0. 28218	0. 125	0. 227	0. 72693 Mcy	PPM1K
RP11-192H	4. 90E-05	-0. 20271	0. 037	0. 116	0. 73192 Mcy	RP11-192H23. 6
POLE	4. 92E-05	0. 16077	0. 066	0. 026	0. 735371 Mcy	POLE
MEX3B. 4	4. 93E-05	-0. 17737	0. 004	0. 064	0. 736315 Mcy	MEX3B
LNX1. 3	5. 00E-05	-0. 20203	0. 007	0. 07	0. 746494 Mcy	LNX1
TOM1L2. 3	5. 03E-05	-0. 21261	0. 04	0. 122	0. 750975 Mcy	TOM1L2
DNASE1. 3	5. 03E-05	-0. 18201	0. 015	0. 083	0. 752187 Mcy	DNASE1
DNAJB6	5. 05E-05	-0. 19757	0. 703	0. 709	0. 754437 Mcy	DNAJB6
TRPM3. 5	5. 06E-05	-0. 14601	0. 007	0. 071	0. 756335 Mcy	TRPM3
IFT122	5. 07E-05	0. 190082	0. 11	0. 054	0. 757358 Mcy	IFT122
DTX3L. 1	5. 09E-05	0. 153184	0. 143	0. 078	0. 760667 Mcy	DTX3L
HSDL2	5. 10E-05	0. 132574	0. 245	0. 158	0. 761529 Mcy	HSDL2
TSPAN33. 5	5. 15E-05	0. 144224	0. 092	0. 041	0. 769839 Mcy	TSPAN33
PIGP	5. 17E-05	0. 110615	0. 337	0. 227	0. 771897 Mcy	PIGP
STRADB. 3	5. 19E-05	-0. 27134	0. 125	0. 222	0. 774899 Mcy	STRADB
ING4. 4	5. 21E-05	-0. 28149	0. 161	0. 269	0. 779147 Mcy	ING4
LONP2. 4	5. 22E-05	-0. 30352	0. 147	0. 25	0. 780398 Mcy	LONP2
RP11-448A	5. 24E-05	-0. 2028	0. 022	0. 094	0. 783406 Mcy	RP11-448A19. 1
NCAN. 4	5. 25E-05	-0. 24539	0. 015	0. 082	0. 785057 Mcy	NCAN
SECISBP2L	5. 27E-05	-0. 2243	0. 081	0. 176	0. 788099 Mcy	SECISBP2L
BLCAP. 3	5. 33E-05	-0. 34528	0. 194	0. 292	0. 797212 Mcy	BLCAP
HCG18. 3	5. 35E-05	-0. 18626	0. 037	0. 114	0. 799562 Mcy	HCG18
HINT1. 3	5. 40E-05	-0. 12391	0. 908	0. 826	0. 807524 Mcy	HINT1
PRPSAP2. 3	5. 42E-05	-0. 28452	0. 165	0. 269	0. 80989 Mcy	PRPSAP2
PQLC1. 4	5. 43E-05	0. 147904	0. 212	0. 132	0. 811194 Mcy	PQLC1
USP6NL. 2	5. 52E-05	0. 194843	0. 147	0. 081	0. 825208 Mcy	USP6NL
PSMG3. 5	5. 57E-05	0. 202454	0. 436	0. 324	0. 833001 Mcy	PSMG3
RAB33A. 4	5. 58E-05	-0. 30936	0. 033	0. 108	0. 833755 Mcy	RAB33A
INTS8	5. 63E-05	0. 149654	0. 161	0. 089	0. 841065 Mcy	INTS8
ARF3. 4	5. 68E-05	0. 146301	0. 495	0. 375	0. 849425 Mcy	ARF3
PPP1R35. 6	5. 69E-05	-0. 22068	0. 07	0. 159	0. 850225 Mcy	PPP1R35
CREB3L1. 3	5. 74E-05	-0. 11127	0. 004	0. 063	0. 857815 Mcy	CREB3L1
USP46. 6	5. 77E-05	-0. 22552	0. 055	0. 139	0. 862157 Mcy	USP46
MAPK11. 3	5. 77E-05	-0. 1055	0	0. 056	0. 862341 Mcy	MAPK11
MFAP3L. 4	5. 77E-05	-0. 13452	0	0. 056	0. 862341 Mcy	MFAP3L
SH3YL1. 5	5. 79E-05	-0. 26893	0. 088	0. 184	0. 864814 Mcy	SH3YL1
CTC-444N2	5. 79E-05	-0. 18977	0. 051	0. 137	0. 865665 Mcy	CTC-444N24. 11
DDX41. 2	5. 81E-05	0. 110347	0. 344	0. 24	0. 868723 Mcy	DDX41

DSCAM. 3	5. 87E-05	-0. 1922	0. 011	0. 076	0. 877888	Mcy	DSCAM
MDH1. 3	5. 88E-05	0. 146949	0. 689	0. 547	0. 878036	Mcy	MDH1
HILPDA. 5	5. 90E-05	-0. 49413	0. 132	0. 229	0. 881065	Mcy	HILPDA
RIOK1. 1	5. 91E-05	0. 128158	0. 245	0. 154	0. 88359	Mcy	RIOK1
TOX3. 5	5. 92E-05	-0. 23751	0. 007	0. 069	0. 884919	Mcy	TOX3
CHST8. 5	5. 98E-05	-0. 14548	0. 007	0. 069	0. 892921	Mcy	CHST8
DDX50. 1	5. 98E-05	0. 131026	0. 245	0. 157	0. 894251	Mcy	DDX50
PLL. 5	6. 01E-05	-0. 29847	0. 007	0. 069	0. 898237	Mcy	PLL
FUBP1. 5	6. 03E-05	0. 105199	0. 333	0. 222	0. 900907	Mcy	FUBP1
NHSL1. 2	6. 05E-05	-0. 18072	0. 029	0. 105	0. 90375	Mcy	NHSL1
ZFR. 4	6. 07E-05	-0. 2804	0. 205	0. 308	0. 906835	Mcy	ZFR
SETBP1. 4	6. 07E-05	-0. 15385	0. 011	0. 076	0. 907433	Mcy	SETBP1
DBR1. 1	6. 07E-05	0. 136769	0. 143	0. 077	0. 90766	Mcy	DBR1
ZNF814. 3	6. 08E-05	-0. 23943	0. 044	0. 124	0. 908818	Mcy	ZNF814
RNF130. 6	6. 09E-05	0. 154529	0. 619	0. 459	0. 909909	Mcy	RNF130
STK39. 4	6. 20E-05	-0. 16677	0. 029	0. 103	0. 925871	Mcy	STK39
MEGF8. 1	6. 25E-05	-0. 17004	0. 018	0. 087	0. 933934	Mcy	MEGF8
PES1. 4	6. 30E-05	0. 206141	0. 278	0. 19	0. 941504	Mcy	PES1
HNRNPH3. 5	6. 32E-05	0. 181099	0. 571	0. 442	0. 944369	Mcy	HNRNPH3
ACO07405. 6	6. 32E-05	-0. 13636	0. 007	0. 069	0. 94445	Mcy	ACO07405. 6
KAT7. 3	6. 37E-05	-0. 23138	0. 062	0. 149	0. 95199	Mcy	KAT7
DDX46. 2	6. 40E-05	0. 180441	0. 579	0. 443	0. 957149	Mcy	DDX46
DKC1. 2	6. 43E-05	0. 121286	0. 37	0. 263	0. 961583	Mcy	DKC1
ARMCX2. 5	6. 45E-05	-0. 28196	0. 062	0. 148	0. 964358	Mcy	ARMCX2
ABCB8. 2	6. 48E-05	0. 167732	0. 223	0. 139	0. 96784	Mcy	ABCB8
NDUFA5. 4	6. 49E-05	-0. 28796	0. 535	0. 578	0. 970108	Mcy	NDUFA5
IRF2BPL. 5	6. 53E-05	-0. 12148	0. 136	0. 244	0. 976335	Mcy	IRF2BPL
PTBP2. 4	6. 54E-05	-0. 2397	0. 033	0. 107	0. 97719	Mcy	PTBP2
RASL11B. 5	6. 55E-05	-0. 23923	0	0. 055	0. 978283	Mcy	RASL11B
CPQ. 4	6. 60E-05	0. 131166	0. 275	0. 175	0. 98633	Mcy	CPQ
FXYP7. 5	6. 69E-05	-0. 30654	0. 015	0. 079	0. 999298	Mcy	FXYP7
TRAF7. 3	6. 69E-05	0. 155016	0. 278	0. 187	0. 99944	Mcy	TRAF7
ST3GAL5. 3	6. 71E-05	-0. 29289	0. 099	0. 193	1	Mcy	ST3GAL5
SLC16A2. 3	6. 73E-05	-0. 11321	0	0. 055	1	Mcy	SLC16A2
EIF2B3. 1	6. 73E-05	0. 111155	0. 264	0. 171	1	Mcy	EIF2B3
SRRM1. 2	6. 73E-05	0. 119713	0. 641	0. 514	1	Mcy	SRRM1
RP11-277F	6. 75E-05	-0. 19444	0. 007	0. 069	1	Mcy	RP11-277P12. 20
PPP1R16A. 6	6. 75E-05	-0. 23645	0. 081	0. 171	1	Mcy	PPP1R16A
SOWAHC. 2	6. 76E-05	-0. 12037	0. 007	0. 069	1	Mcy	SOWAHC
GNAZ. 4	6. 81E-05	-0. 16651	0. 004	0. 062	1	Mcy	GNAZ
SEH1L. 2	6. 84E-05	0. 215877	0. 194	0. 118	1	Mcy	SEH1L
ZNF626. 3	6. 84E-05	-0. 22257	0. 059	0. 145	1	Mcy	ZNF626
MARK1. 3	6. 85E-05	-0. 10588	0. 007	0. 069	1	Mcy	MARK1
FAM134A. 6	6. 86E-05	-0. 26404	0. 194	0. 301	1	Mcy	FAM134A
TMEFF2. 6	6. 86E-05	-0. 2594	0. 015	0. 079	1	Mcy	TMEFF2
IGSF11. 4	6. 86E-05	-0. 14268	0. 007	0. 069	1	Mcy	IGSF11
SEPP1. 3	6. 86E-05	-0. 59257	0. 242	0. 331	1	Mcy	SEPP1
SLC18B1. 4	6. 94E-05	-0. 30848	0. 088	0. 181	1	Mcy	SLC18B1
KCNH2. 4	6. 94E-05	-0. 20037	0. 007	0. 068	1	Mcy	KCNH2
YIPF3. 5	6. 97E-05	-0. 31669	0. 41	0. 485	1	Mcy	YIPF3
ZDHHC15. 4	7. 03E-05	-0. 12485	0. 004	0. 062	1	Mcy	ZDHHC15

PPP1R14C.	7.04E-05	-0.12351	0.004	0.062	1 Mcy	PPP1R14C
DHRS11.5	7.08E-05	-0.12916	0.029	0.104	1 Mcy	DHRS11
VPS37D.4	7.13E-05	-0.15602	0.004	0.061	1 Mcy	VPS37D
JMY.3	7.16E-05	-0.17062	0.029	0.103	1 Mcy	JMY
LMNA.2	7.17E-05	0.173314	0.516	0.413	1 Mcy	LMNA
ZSCAN9.1	7.18E-05	-0.19358	0.015	0.08	1 Mcy	ZSCAN9
NAA50.1	7.19E-05	0.134669	0.374	0.269	1 Mcy	NAA50
IFT52.3	7.24E-05	-0.27405	0.154	0.259	1 Mcy	IFT52
DIXDC1.5	7.25E-05	-0.20714	0.026	0.097	1 Mcy	DIXDC1
KLHDC9.4	7.25E-05	-0.15533	0.011	0.075	1 Mcy	KLHDC9
RPS6KL1.5	7.27E-05	-0.21542	0.029	0.102	1 Mcy	RPS6KL1
SRRT.3	7.28E-05	0.147023	0.315	0.214	1 Mcy	SRRT
LRIF1.3	7.31E-05	-0.23123	0.103	0.199	1 Mcy	LRIF1
PSMD14.3	7.32E-05	0.128664	0.59	0.464	1 Mcy	PSMD14
MPP6.4	7.33E-05	-0.14225	0.011	0.074	1 Mcy	MPP6
GKAP1.5	7.39E-05	-0.18951	0.022	0.091	1 Mcy	GKAP1
GAB1.4	7.39E-05	-0.19042	0.029	0.103	1 Mcy	GAB1
SLC22A23.	7.40E-05	-0.1523	0.007	0.068	1 Mcy	SLC22A23
NSMF.2	7.41E-05	-0.16825	0.04	0.118	1 Mcy	NSMF
SAMD4A.1	7.42E-05	-0.13726	0.018	0.087	1 Mcy	SAMD4A
USE1.6	7.44E-05	-0.38256	0.231	0.332	1 Mcy	USE1
EIF3J-AS1	7.46E-05	-0.25295	0.048	0.129	1 Mcy	EIF3J-AS1
NRSN1.4	7.46E-05	-0.16713	0.004	0.061	1 Mcy	NRSN1
ZFP14.4	7.46E-05	-0.23031	0.037	0.113	1 Mcy	ZFP14
PLCD3.2	7.52E-05	-0.10633	0.007	0.068	1 Mcy	PLCD3
NAT9.4	7.56E-05	-0.28728	0.11	0.205	1 Mcy	NAT9
TGFB2.5	7.57E-05	-0.16556	0.007	0.068	1 Mcy	TGFB2
KIF5B.3	7.58E-05	0.184356	0.656	0.508	1 Mcy	KIF5B
EPOR.3	7.58E-05	0.128695	0.128	0.068	1 Mcy	EPOR
ZNF426.3	7.62E-05	-0.19013	0.037	0.114	1 Mcy	ZNF426
SP110.4	7.63E-05	0.155795	0.3	0.195	1 Mcy	SP110
KLHL20.2	7.63E-05	-0.25916	0.059	0.141	1 Mcy	KLHL20
MOXD1.4	7.64E-05	-0.13949	0	0.054	1 Mcy	MOXD1
GFOD2.3	7.66E-05	-0.21474	0.051	0.134	1 Mcy	GFOD2
HPCA.4	7.66E-05	-0.19973	0.004	0.061	1 Mcy	HPCA
PI4K2B.2	7.67E-05	0.156373	0.15	0.085	1 Mcy	PI4K2B
SERPINI1.	7.74E-05	-0.19654	0	0.054	1 Mcy	SERPINI1
ALDOA.4	7.77E-05	-0.14569	0.916	0.844	1 Mcy	ALDOA
CYP3A5.3	7.87E-05	-0.15328	0.004	0.061	1 Mcy	CYP3A5
CREBZF.5	7.87E-05	-0.21686	0.051	0.133	1 Mcy	CREBZF
OSMR.4	7.91E-05	-0.14841	0.018	0.087	1 Mcy	OSMR
NTRK3.3	7.93E-05	-0.17125	0.007	0.067	1 Mcy	NTRK3
ATG5.1	7.94E-05	0.10431	0.304	0.206	1 Mcy	ATG5
EXOSC2.2	7.96E-05	0.125538	0.161	0.092	1 Mcy	EXOSC2
HDAC9.4	7.97E-05	-0.2531	0.048	0.127	1 Mcy	HDAC9
MGP.5	7.97E-05	-0.72004	0.033	0.105	1 Mcy	MGP
VAT1.2	7.99E-05	-0.22989	0.106	0.204	1 Mcy	VAT1
TTYH2.5	7.99E-05	-0.26866	0.04	0.117	1 Mcy	TTYH2
AIP.1	7.99E-05	0.163442	0.41	0.301	1 Mcy	AIP
DZIP3.4	8.09E-05	-0.23787	0.051	0.133	1 Mcy	DZIP3
PCDH1.4	8.11E-05	-0.13285	0.004	0.061	1 Mcy	PCDH1



CCDC112.5	8.17E-05	-0.25654	0.161	0.263	1 Mcy	CCDC112
CCAR1.2	8.18E-05	0.132766	0.352	0.247	1 Mcy	CCAR1
IL32.4	8.27E-05	-0.32874	0.029	0.102	1 Mcy	IL32
DHFRL1.3	8.28E-05	-0.16927	0.007	0.067	1 Mcy	DHFRL1
KLHDC2.5	8.32E-05	-0.26342	0.205	0.304	1 Mcy	KLHDC2
ETV4.5	8.32E-05	-0.14588	0.015	0.08	1 Mcy	ETV4
XRCC6BP1.8	8.37E-05	0.104606	0.147	0.078	1 Mcy	XRCC6BP1
ZBED3.4	8.39E-05	-0.18095	0.022	0.09	1 Mcy	ZBED3
GLRB.4	8.41E-05	-0.13446	0.004	0.061	1 Mcy	GLRB
SLC35D2.2	8.44E-05	-0.15068	0.029	0.103	1 Mcy	SLC35D2
NOL4.4	8.50E-05	-0.17153	0.007	0.067	1 Mcy	NOL4
PPP1R9A.5	8.51E-05	-0.2143	0.011	0.073	1 Mcy	PPP1R9A
CYHR1.5	8.52E-05	-0.28304	0.176	0.281	1 Mcy	CYHR1
HAS2.3	8.54E-05	-0.16484	0	0.054	1 Mcy	HAS2
FAM63B.3	8.55E-05	-0.22859	0.11	0.207	1 Mcy	FAM63B
FILIP1L.6	8.58E-05	0.110466	0.238	0.147	1 Mcy	FILIP1L
SMIM3.4	8.65E-05	0.100012	0.081	0.035	1 Mcy	SMIM3
GAL3ST3.4	8.66E-05	-0.12795	0.004	0.061	1 Mcy	GAL3ST3
CALCOCO1.8	8.67E-05	-0.19996	0.062	0.149	1 Mcy	CALCOCO1
NDUFA7.4	8.69E-05	0.108586	0.092	0.042	1 Mcy	NDUFA7
DCHS1.5	8.75E-05	-0.12896	0.018	0.086	1 Mcy	DCHS1
B3GNT2.5	8.79E-05	0.114627	0.125	0.065	1 Mcy	B3GNT2
GRAMD3.6	8.81E-05	-0.27289	0.059	0.142	1 Mcy	GRAMD3
DHCR24.3	8.86E-05	-0.14411	0.026	0.097	1 Mcy	DHCR24
TEAD4.3	8.91E-05	-0.10247	0	0.053	1 Mcy	TEAD4
TMED4.5	8.94E-05	-0.19756	0.348	0.44	1 Mcy	TMED4
RP11-379H	9.03E-05	-0.1394	0.011	0.073	1 Mcy	RP11-379H18.1
SERPINH1.9	9.04E-05	-0.28405	0.117	0.211	1 Mcy	SERPINH1
MALT1.6	9.06E-05	0.121636	0.136	0.073	1 Mcy	MALT1
C4orf48.4	9.09E-05	-0.24759	0.524	0.526	1 Mcy	C4orf48
HDDC3.1	9.10E-05	0.124725	0.231	0.147	1 Mcy	HDDC3
GSG1L.3	9.14E-05	-0.18691	0.004	0.06	1 Mcy	GSG1L
PRKAA2.5	9.16E-05	-0.12272	0	0.053	1 Mcy	PRKAA2
BTBD17.5	9.16E-05	-0.18672	0	0.053	1 Mcy	BTBD17
SHROOM2.5	9.25E-05	-0.13247	0.004	0.06	1 Mcy	SHROOM2
TENM1.4	9.25E-05	-0.14666	0.011	0.073	1 Mcy	TENM1
RPE	9.26E-05	0.10934	0.242	0.156	1 Mcy	RPE
ZCCHC24.4	9.27E-05	-0.23395	0.029	0.101	1 Mcy	ZCCHC24
P2RY11.4	9.30E-05	0.142522	0.154	0.085	1 Mcy	P2RY11
CDK11B.1	9.33E-05	0.140534	0.223	0.141	1 Mcy	CDK11B
LRRC49.2	9.35E-05	-0.15133	0.004	0.06	1 Mcy	LRRC49
TMEM53.4	9.36E-05	-0.21893	0.033	0.106	1 Mcy	TMEM53
AES.5	9.45E-05	-0.32104	0.337	0.412	1 Mcy	AES
CRTC2.2	9.45E-05	0.108006	0.136	0.073	1 Mcy	CRTC2
HNRNPD.5	9.45E-05	0.194479	0.531	0.412	1 Mcy	HNRNPD
USP1.5	9.47E-05	0.174735	0.359	0.256	1 Mcy	USP1
HIST1H2BK	9.49E-05	-0.25936	0.114	0.21	1 Mcy	HIST1H2BK
MAFG-AS1.9	9.50E-05	-0.10331	0.007	0.067	1 Mcy	MAFG-AS1
CLTA.4	9.52E-05	0.151914	0.744	0.625	1 Mcy	CLTA
LRRTM3.4	9.55E-05	-0.10507	0	0.053	1 Mcy	LRRTM3
EDARADD.2	9.59E-05	0.153938	0.066	0.027	1 Mcy	EDARADD

UHMK1. 2	9. 64E-05	0. 116968	0. 297	0. 201	1 Mcy	UHMK1
ERAP1. 1	9. 68E-05	0. 101611	0. 121	0. 062	1 Mcy	ERAP1
GNB5. 4	9. 71E-05	-0. 17851	0. 037	0. 112	1 Mcy	GNB5
TSPYL2. 2	9. 75E-05	-0. 27541	0. 04	0. 115	1 Mcy	TSPYL2
IRF7. 6	9. 75E-05	0. 173847	0. 245	0. 159	1 Mcy	IRF7
NR2C2AP. 5	9. 78E-05	0. 118471	0. 249	0. 164	1 Mcy	NR2C2AP
RBM8A. 2	9. 79E-05	0. 110619	0. 74	0. 61	1 Mcy	RBM8A
IFRD1. 5	9. 80E-05	-0. 34277	0. 418	0. 489	1 Mcy	IFRD1
SMO. 4	9. 82E-05	-0. 10814	0	0. 053	1 Mcy	SMO
SF3A1. 2	9. 84E-05	0. 287488	0. 256	0. 172	1 Mcy	SF3A1
WDR5. 2	9. 87E-05	0. 150114	0. 194	0. 117	1 Mcy	WDR5
PRPF19. 2	9. 89E-05	0. 114336	0. 352	0. 251	1 Mcy	PRPF19
GSR. 1	9. 93E-05	0. 118286	0. 095	0. 045	1 Mcy	GSR
ZNF600	9. 94E-05	0. 134689	0. 048	0. 017	1 Mcy	ZNF600
EEF1E1. 3	9. 96E-05	0. 168609	0. 421	0. 313	1 Mcy	EEF1E1
PRRT1. 3	9. 96E-05	-0. 1382	0	0. 053	1 Mcy	PRRT1
TAF1B. 1	1. 00E-04	0. 123298	0. 15	0. 084	1 Mcy	TAF1B
RAB6B. 5	0. 0001	-0. 14018	0. 007	0. 066	1 Mcy	RAB6B
DDX54. 2	0. 0001	0. 100554	0. 293	0. 197	1 Mcy	DDX54
FAM131A. 2	0. 000101	-0. 17819	0. 048	0. 128	1 Mcy	FAM131A
FBLIM1. 2	0. 000101	-0. 22438	0. 022	0. 09	1 Mcy	FBLIM1
RHBDF1. 3	0. 000101	-0. 10819	0	0. 053	1 Mcy	RHBDF1
POGZ. 4	0. 000102	-0. 26047	0. 117	0. 213	1 Mcy	POGZ
CENPC. 1	0. 000102	0. 142174	0. 179	0. 106	1 Mcy	CENPC
DDT. 3	0. 000103	0. 125108	0. 681	0. 519	1 Mcy	DDT
RP11-698N	0. 000103	-0. 15799	0. 004	0. 059	1 Mcy	RP11-698N11. 2
MICU3. 5	0. 000103	-0. 18333	0. 018	0. 084	1 Mcy	MICU3
EIF5. 1	0. 000103	-0. 21194	0. 637	0. 65	1 Mcy	EIF5
FTSJ3. 1	0. 000103	0. 171775	0. 227	0. 146	1 Mcy	FTSJ3
PPAT. 4	0. 000104	-0. 18575	0. 062	0. 146	1 Mcy	PPAT
RP1-79C4.	0. 000105	-0. 10816	0	0. 052	1 Mcy	RP1-79C4. 4
GPATCH8. 4	0. 000105	-0. 25547	0. 201	0. 306	1 Mcy	GPATCH8
TPP2. 2	0. 000106	0. 137246	0. 198	0. 121	1 Mcy	TPP2
NIM1K. 5	0. 000106	-0. 17812	0. 007	0. 065	1 Mcy	NIM1K
SCNM1. 2	0. 000106	0. 127022	0. 458	0. 336	1 Mcy	SCNM1
NEIL2. 5	0. 000106	-0. 21211	0. 103	0. 201	1 Mcy	NEIL2
NFYC. 3	0. 000107	0. 215929	0. 315	0. 219	1 Mcy	NFYC
HNRNPM. 4	0. 000107	0. 185948	0. 674	0. 54	1 Mcy	HNRNPM
TRIM36. 6	0. 000107	-0. 27045	0. 095	0. 184	1 Mcy	TRIM36
DNAJC8. 1	0. 000107	0. 140263	0. 692	0. 548	1 Mcy	DNAJC8
CDKN1B. 5	0. 000107	-0. 27862	0. 165	0. 261	1 Mcy	CDKN1B
NMT2. 5	0. 000108	-0. 2025	0. 029	0. 1	1 Mcy	NMT2
THBS4. 4	0. 000108	-0. 12302	0	0. 052	1 Mcy	THBS4
ANKIB1. 5	0. 000108	-0. 25478	0. 117	0. 21	1 Mcy	ANKIB1
MARVELD1.	0. 000109	0. 130239	0. 084	0. 039	1 Mcy	MARVELD1
P4HTM. 4	0. 000109	-0. 27978	0. 168	0. 264	1 Mcy	P4HTM
UQCRB. 4	0. 00011	-0. 14993	0. 689	0. 678	1 Mcy	UQCRB
RND1. 2	0. 00011	-0. 20527	0. 007	0. 065	1 Mcy	RND1
FSCN1. 6	0. 00011	-0. 24547	0. 443	0. 506	1 Mcy	FSCN1
PRKD1. 3	0. 00011	-0. 11161	0	0. 052	1 Mcy	PRKD1
ZFP37. 3	0. 00011	-0. 14216	0	0. 052	1 Mcy	ZFP37

EIF4G2.5	0.00011	-0.15882	0.7	0.658	1 Mcy	EIF4G2
PLEKHG2.2	0.00011	0.12326	0.121	0.063	1 Mcy	PLEKHG2
ZNF74.3	0.000111	-0.1318	0.004	0.059	1 Mcy	ZNF74
CTNNA2.4	0.000111	-0.18095	0.004	0.059	1 Mcy	CTNNA2
TLK1.3	0.000112	-0.23494	0.136	0.23	1 Mcy	TLK1
GDF15.5	0.000112	-0.28507	0.011	0.071	1 Mcy	GDF15
SLC44A1.4	0.000112	-0.31602	0.216	0.316	1 Mcy	SLC44A1
UBE3D.1	0.000113	-0.15312	0.004	0.059	1 Mcy	UBE3D
C4orf27.4	0.000113	0.16068	0.425	0.316	1 Mcy	C4orf27
FLRT3.5	0.000113	-0.13779	0.004	0.059	1 Mcy	FLRT3
DUSP8.4	0.000113	-0.1527	0	0.052	1 Mcy	DUSP8
KIAA0907.	0.000113	-0.26683	0.103	0.196	1 Mcy	KIAA0907
RP11-792A	0.000113	-0.29532	0.117	0.212	1 Mcy	RP11-792A8.4
RFFL.6	0.000114	-0.23674	0.081	0.166	1 Mcy	RFFL
RBM15	0.000115	0.117571	0.099	0.048	1 Mcy	RBM15
CLASP2.5	0.000115	-0.23064	0.106	0.199	1 Mcy	CLASP2
ZNF398.5	0.000115	-0.14446	0.004	0.059	1 Mcy	ZNF398
FRMD5.3	0.000116	-0.1078	0.004	0.059	1 Mcy	FRMD5
OXR1.5	0.000116	-0.30333	0.161	0.254	1 Mcy	OXR1
ZNF708.3	0.000117	-0.18792	0.029	0.099	1 Mcy	ZNF708
SASH1.3	0.000117	-0.16539	0.011	0.071	1 Mcy	SASH1
MIR4458HG	0.000117	-0.36674	0.081	0.162	1 Mcy	MIR4458HG
FAM161A.4	0.000118	-0.20719	0.037	0.11	1 Mcy	FAM161A
B3GALT1.4	0.000118	-0.10356	0	0.052	1 Mcy	B3GALT1
LTBP1.4	0.000118	-0.11169	0	0.052	1 Mcy	LTBP1
ICAM1.5	0.000118	0.113844	0.26	0.162	1 Mcy	ICAM1
ACADVL.3	0.00012	0.145661	0.582	0.447	1 Mcy	ACADVL
CTA-445C9	0.000121	-0.14508	0.004	0.058	1 Mcy	CTA-445C9.14
GSE1.5	0.000121	-0.23274	0.026	0.093	1 Mcy	GSE1
ETV3.6	0.000122	0.109672	0.139	0.075	1 Mcy	ETV3
CPXM1.5	0.000122	-0.16456	0.048	0.126	1 Mcy	CPXM1
AMH.4	0.000123	-0.12846	0.004	0.058	1 Mcy	AMH
PHB2.1	0.000123	0.133559	0.568	0.44	1 Mcy	PHB2
TACC2.3	0.000123	-0.13776	0.004	0.058	1 Mcy	TACC2
FAM57A.3	0.000123	-0.11191	0.026	0.096	1 Mcy	FAM57A
PTPRK.3	0.000124	-0.21562	0.004	0.058	1 Mcy	PTPRK
PDZRN3.4	0.000124	-0.15728	0.004	0.058	1 Mcy	PDZRN3
KLHDC8B.3	0.000124	-0.19421	0.033	0.105	1 Mcy	KLHDC8B
LDOC1L.5	0.000124	-0.14845	0.022	0.088	1 Mcy	LDOC1L
C7orf49.3	0.000124	0.145233	0.297	0.205	1 Mcy	C7orf49
ZNF710.2	0.000124	0.113789	0.077	0.034	1 Mcy	ZNF710
GCAT.6	0.000125	-0.17162	0.077	0.163	1 Mcy	GCAT
PDCD11	0.000126	0.120153	0.117	0.061	1 Mcy	PDCD11
PPIE.2	0.000127	0.136074	0.381	0.281	1 Mcy	PPIE
OSER1.2	0.000127	0.122791	0.41	0.299	1 Mcy	OSER1
HIST1H2AG	0.000127	0.122687	0.029	0.008	1 Mcy	HIST1H2AG
CAP2.3	0.000127	-0.15204	0.004	0.058	1 Mcy	CAP2
RASSF8.3	0.000128	-0.13354	0.022	0.089	1 Mcy	RASSF8
FRYL.6	0.000128	-0.28686	0.103	0.19	1 Mcy	FRYL
MXI1.2	0.000129	-0.22625	0.055	0.135	1 Mcy	MXI1
ATPAF2.3	0.000129	0.150075	0.3	0.211	1 Mcy	ATPAF2

COA6. 2	0.000129	0.119612	0.377	0.274	1 Mcy	COA6
SAP30L. 5	0.000131	-0.1509	0.026	0.094	1 Mcy	SAP30L
MMP15. 5	0.000131	-0.1189	0.007	0.065	1 Mcy	MMP15
NAT8L. 3	0.000132	-0.12587	0	0.051	1 Mcy	NAT8L
CTC-524C5	0.000133	0.119741	0.19	0.116	1 Mcy	CTC-524C5. 2
FERMT1. 4	0.000134	-0.19183	0	0.051	1 Mcy	FERMT1
RDH10. 5	0.000134	-0.21444	0.022	0.087	1 Mcy	RDH10
PCYOX1. 3	0.000134	-0.16533	0.092	0.183	1 Mcy	PCYOX1
FADS3. 2	0.000135	-0.16459	0.066	0.151	1 Mcy	FADS3
ZNF234	0.000135	-0.13121	0.004	0.058	1 Mcy	ZNF234
DOCK5. 6	0.000136	0.146499	0.11	0.054	1 Mcy	DOCK5
TRIM25. 2	0.000136	0.311687	0.147	0.086	1 Mcy	TRIM25
DPH6	0.000137	0.195544	0.165	0.097	1 Mcy	DPH6
CAPRIN2. 4	0.000137	-0.14069	0.033	0.106	1 Mcy	CAPRIN2
CACNG4. 3	0.000137	-0.13606	0	0.051	1 Mcy	CACNG4
PITPNA-AS	0.000138	-0.20976	0.103	0.198	1 Mcy	PITPNA-AS1
NPHP3. 2	0.000139	-0.16749	0.037	0.111	1 Mcy	NPHP3
CDC42BPB.	0.000141	-0.17499	0.044	0.121	1 Mcy	CDC42BPB
SON. 3	0.000141	-0.22012	0.714	0.711	1 Mcy	SON
NANOS3. 4	0.000141	-0.13078	0.007	0.064	1 Mcy	NANOS3
OCIAD1. 4	0.000141	-0.27844	0.637	0.636	1 Mcy	OCIAD1
ANXA2R. 5	0.000142	-0.23178	0.07	0.154	1 Mcy	ANXA2R
ITGB1BP1.	0.000142	0.106723	0.516	0.384	1 Mcy	ITGB1BP1
GPR180	0.000144	0.165737	0.143	0.081	1 Mcy	GPR180
SRPRB. 2	0.000145	0.138458	0.352	0.253	1 Mcy	SRPRB
OMG. 4	0.000145	-0.29762	0.018	0.081	1 Mcy	OMG
DLC1. 4	0.000147	-0.16504	0.022	0.088	1 Mcy	DLC1
SHISA5. 1	0.000147	0.187653	0.432	0.322	1 Mcy	SHISA5
HNRNPUL2.	0.000149	0.154942	0.242	0.161	1 Mcy	HNRNPUL2
PSMD9. 2	0.000149	0.14211	0.381	0.278	1 Mcy	PSMD9
DHRS4L2. 1	0.00015	0.126695	0.363	0.259	1 Mcy	DHRS4L2
CCNDBP1. 6	0.00015	0.176053	0.3	0.202	1 Mcy	CCNDBP1
CNTLN	0.000151	0.12058	0.172	0.102	1 Mcy	CNTLN
PTPN4. 5	0.000151	-0.18291	0.033	0.104	1 Mcy	PTPN4
NME5. 4	0.000151	-0.12227	0	0.05	1 Mcy	NME5
INO80C. 3	0.000152	0.155686	0.245	0.164	1 Mcy	INO80C
PIGZ. 3	0.000152	-0.12274	0.007	0.063	1 Mcy	PIGZ
CDK9. 2	0.000153	0.122232	0.22	0.139	1 Mcy	CDK9
FDX1. 3	0.000153	0.117386	0.418	0.303	1 Mcy	FDX1
CHRNA9. 3	0.000154	-0.12869	0	0.05	1 Mcy	CHRNA9
ZBTB16. 3	0.000154	-0.4323	0.081	0.157	1 Mcy	ZBTB16
NFE2L2. 4	0.000155	-0.31743	0.407	0.47	1 Mcy	NFE2L2
EPS15L1. 2	0.000155	-0.16715	0.081	0.168	1 Mcy	EPS15L1
ZSCAN21. 4	0.000155	-0.18392	0.033	0.104	1 Mcy	ZSCAN21
SPECC1. 6	0.000156	-0.22368	0.201	0.298	1 Mcy	SPECC1
SMPD1. 4	0.000156	-0.24999	0.143	0.239	1 Mcy	SMPD1
SNF8. 3	0.000158	0.121121	0.604	0.456	1 Mcy	SNF8
ITGA2. 4	0.000159	-0.1147	0.007	0.064	1 Mcy	ITGA2
CAPN5. 3	0.000161	-0.11492	0.011	0.07	1 Mcy	CAPN5
TMUB1. 2	0.000161	0.145897	0.363	0.264	1 Mcy	TMUB1
THAP5. 4	0.000161	-0.2762	0.095	0.181	1 Mcy	THAP5

AP3B1. 2	0.000161	0.145261	0.253	0.169	1 Mcy	AP3B1
KIAA0895L	0.000162	-0.13607	0.026	0.093	1 Mcy	KIAA0895L
MARK3. 4	0.000162	-0.20921	0.19	0.289	1 Mcy	MARK3
AP2B1. 5	0.000163	-0.24758	0.245	0.343	1 Mcy	AP2B1
MDM2. 3	0.000166	-0.32039	0.121	0.208	1 Mcy	MDM2
CA8. 5	0.000166	-0.21673	0.004	0.056	1 Mcy	CA8
DENND1A. 2	0.000166	0.131609	0.103	0.052	1 Mcy	DENND1A
TRO. 2	0.000166	-0.15325	0.007	0.063	1 Mcy	TRO
SLC25A11. 0	0.000166	0.167084	0.546	0.416	1 Mcy	SLC25A11
NR2E1. 2	0.000167	-0.10325	0.004	0.057	1 Mcy	NR2E1
RPRM. 6	0.000167	-0.25404	0.011	0.068	1 Mcy	RPRM
PON2. 6	0.000168	-0.40123	0.399	0.452	1 Mcy	PON2
ARVCF. 4	0.000169	-0.11935	0.004	0.056	1 Mcy	ARVCF
YBEY. 3	0.00017	-0.29336	0.128	0.223	1 Mcy	YBEY
EBF4. 3	0.00017	-0.11016	0.004	0.056	1 Mcy	EBF4
ADD1. 4	0.00017	-0.19105	0.201	0.31	1 Mcy	ADD1
AC091729. 0	0.000171	-0.11084	0.018	0.082	1 Mcy	AC091729. 9
FBX011. 4	0.000172	-0.26306	0.117	0.208	1 Mcy	FBX011
DBNDD1. 4	0.000172	-0.1279	0.011	0.069	1 Mcy	DBNDD1
PRRT3. 1	0.000172	-0.13478	0.011	0.069	1 Mcy	PRRT3
SEPT3. 5	0.000173	-0.1724	0.011	0.069	1 Mcy	3-Sep
CNRIP1. 4	0.000173	-0.15162	0.114	0.206	1 Mcy	CNRIP1
HIPK3. 2	0.000175	0.111832	0.154	0.088	1 Mcy	HIPK3
ISY1. 1	0.000176	0.155521	0.26	0.172	1 Mcy	ISY1
SDC1. 3	0.000177	-0.10648	0	0.049	1 Mcy	SDC1
TRAF2	0.000177	0.164863	0.143	0.081	1 Mcy	TRAF2
KATNBL1. 4	0.000177	0.149505	0.344	0.249	1 Mcy	KATNBL1
KAT5. 1	0.000177	0.124811	0.348	0.249	1 Mcy	KAT5
SESN2. 4	0.000177	0.124157	0.176	0.102	1 Mcy	SESN2
PTDSS2. 6	0.000177	-0.17699	0.07	0.154	1 Mcy	PTDSS2
CTC-425F1	0.000178	0.152067	0.103	0.052	1 Mcy	CTC-425F1. 4
GABBR1. 5	0.000178	-0.16958	0.018	0.08	1 Mcy	GABBR1
CYB5A. 4	0.00018	0.148295	0.443	0.339	1 Mcy	CYB5A
FOXO1. 2	0.00018	-0.164	0.015	0.075	1 Mcy	FOXO1
PURA. 4	0.00018	-0.22907	0.121	0.21	1 Mcy	PURA
CHD6. 5	0.00018	-0.2582	0.15	0.247	1 Mcy	CHD6
GRIA1. 1	0.000181	-0.10466	0	0.049	1 Mcy	GRIA1
ADCYAP1R1	0.000181	-0.13225	0	0.049	1 Mcy	ADCYAP1R1
FGF12. 3	0.000181	-0.19765	0	0.049	1 Mcy	FGF12
ATP5D. 5	0.000182	-0.15697	0.634	0.613	1 Mcy	ATP5D
PCDHB14. 3	0.000182	-0.15509	0.004	0.056	1 Mcy	PCDHB14
RAI1. 1	0.000182	-0.13924	0.011	0.068	1 Mcy	RAI1
C20orf196	0.000183	0.132614	0.139	0.079	1 Mcy	C20orf196
GAB3. 4	0.000184	0.102047	0.073	0.032	1 Mcy	GAB3
HNRNPA0. 4	0.000184	-0.1921	0.634	0.642	1 Mcy	HNRNPA0
PDE8B. 2	0.000184	-0.10903	0	0.049	1 Mcy	PDE8B
ATF1. 1	0.000185	0.126201	0.223	0.142	1 Mcy	ATF1
MKL1. 1	0.000187	0.137689	0.125	0.068	1 Mcy	MKL1
ZNF853. 4	0.000187	-0.10497	0	0.049	1 Mcy	ZNF853
PSMD1. 2	0.000187	0.149801	0.425	0.32	1 Mcy	PSMD1
RBM14. 3	0.000187	0.119508	0.278	0.19	1 Mcy	RBM14

CBY1. 4	0.000188	-0.20752	0.077	0.161	1 Mcy	CBY1
FAM217B. 6	0.000189	-0.20862	0.073	0.157	1 Mcy	FAM217B
CCNG2. 5	0.000191	-0.26756	0.099	0.183	1 Mcy	CCNG2
SLC16A9. 4	0.000192	-0.10815	0	0.049	1 Mcy	SLC16A9
COMMD3. 2	0.000192	0.130236	0.465	0.352	1 Mcy	COMMD3
GPSM2. 5	0.000193	0.159409	0.264	0.175	1 Mcy	GPSM2
ZNF528. 4	0.000193	-0.10385	0.037	0.11	1 Mcy	ZNF528
CELF3. 6	0.000194	-0.20834	0.011	0.067	1 Mcy	CELF3
MPP5. 3	0.000194	-0.17299	0.029	0.097	1 Mcy	MPP5
FAM19A5. 3	0.000195	-0.14174	0	0.048	1 Mcy	FAM19A5
PRRT2. 4	0.000195	-0.13075	0.026	0.092	1 Mcy	PRRT2
KLC4. 2	0.000195	-0.16892	0.022	0.085	1 Mcy	KLC4
HOTAIRM1. 0	0.000195	-0.3834	0.106	0.184	1 Mcy	HOTAIRM1
RP11-1275	0.000195	-0.18162	0.007	0.061	1 Mcy	RP11-1275H24. 1
RP13-1032	0.000196	-0.117	0.018	0.081	1 Mcy	RP13-1032I1. 7
FBX048	0.000196	0.118963	0.066	0.028	1 Mcy	FBX048
SURF4. 1	0.000197	0.15526	0.462	0.348	1 Mcy	SURF4
VANGL2. 4	0.000197	-0.14555	0.015	0.074	1 Mcy	VANGL2
FGFR2. 4	0.000197	-0.20411	0	0.048	1 Mcy	FGFR2
DICER1-AS	0.000198	-0.17309	0.004	0.055	1 Mcy	DICER1-AS1
ZNF454. 4	0.0002	-0.12026	0	0.048	1 Mcy	ZNF454
MFAP4. 4	0.000201	-0.18313	0.004	0.055	1 Mcy	MFAP4
CHTF8. 1	0.000202	0.147805	0.26	0.177	1 Mcy	CHTF8
PABPC4. 6	0.000202	0.147679	0.447	0.326	1 Mcy	PABPC4
PDZD4. 4	0.000203	-0.13352	0	0.048	1 Mcy	PDZD4
TAPT1-AS1	0.000203	-0.14808	0.007	0.062	1 Mcy	TAPT1-AS1
C16orf52. 0	0.000203	-0.12026	0.029	0.098	1 Mcy	C16orf52
ABHD2. 2	0.000204	0.100812	0.326	0.227	1 Mcy	ABHD2
MYLIP. 6	0.000205	0.137407	0.212	0.127	1 Mcy	MYLIP
KCNJ16. 5	0.000206	-0.11916	0.004	0.055	1 Mcy	KCNJ16
CHDH. 1	0.000207	-0.14663	0.011	0.068	1 Mcy	CHDH
PTS. 5	0.000207	-0.34438	0.242	0.328	1 Mcy	PTS
ZBTB10. 2	0.000207	-0.16024	0.026	0.091	1 Mcy	ZBTB10
C17orf58. 0	0.000208	-0.23879	0.103	0.188	1 Mcy	C17orf58
SKP2	0.000209	0.103365	0.106	0.055	1 Mcy	SKP2
KLC2. 5	0.000209	-0.14566	0.048	0.123	1 Mcy	KLC2
GATAD1. 3	0.00021	-0.24692	0.114	0.203	1 Mcy	GATAD1
HK2. 4	0.00021	0.21705	0.147	0.083	1 Mcy	HK2
BBS10. 2	0.00021	-0.12907	0.004	0.055	1 Mcy	BBS10
ZNF587. 1	0.000211	-0.16016	0.022	0.085	1 Mcy	ZNF587
C1orf216. 0	0.000211	-0.18701	0.055	0.13	1 Mcy	C1orf216
CPNE3. 3	0.000211	-0.32127	0.242	0.332	1 Mcy	CPNE3
ZNF585A. 3	0.000212	-0.14247	0.007	0.061	1 Mcy	ZNF585A
EFNA3. 3	0.000212	-0.18016	0.007	0.061	1 Mcy	EFNA3
MIIP. 1	0.000213	0.218078	0.278	0.195	1 Mcy	MIIP
CCDC50. 4	0.000213	0.115917	0.403	0.298	1 Mcy	CCDC50
ATMIN. 5	0.000214	-0.16614	0.044	0.117	1 Mcy	ATMIN
CHCHD3. 3	0.000214	0.119475	0.473	0.366	1 Mcy	CHCHD3
EXOSC10. 2	0.000214	0.135003	0.223	0.145	1 Mcy	EXOSC10
SNX12. 1	0.000215	0.202335	0.201	0.128	1 Mcy	SNX12
NFKBIL1. 2	0.000216	-0.23452	0.114	0.206	1 Mcy	NFKBIL1

FN3KRP. 3	0.000216	0.11003	0.308	0.219	1 Mcy	FN3KRP
LRRC57. 1	0.000216	0.147807	0.117	0.063	1 Mcy	LRRC57
HOXA10. 6	0.000218	-0.19739	0.018	0.078	1 Mcy	HOXA10
TOP2B. 6	0.000218	-0.24392	0.15	0.239	1 Mcy	TOP2B
IPP. 4	0.00022	-0.11355	0.007	0.061	1 Mcy	IPP
MATN2. 3	0.000221	-0.14968	0.011	0.067	1 Mcy	MATN2
ASB8. 3	0.000222	-0.27132	0.128	0.219	1 Mcy	ASB8
GNG5. 4	0.000225	0.125015	0.872	0.639	1 Mcy	GNG5
KIAA0355. 0	0.000225	-0.2407	0.073	0.154	1 Mcy	KIAA0355
FAM127B. 5	0.000228	-0.32935	0.209	0.302	1 Mcy	FAM127B
NUDT2. 4	0.000229	0.156247	0.253	0.173	1 Mcy	NUDT2
FN3K. 2	0.000231	-0.15751	0.022	0.085	1 Mcy	FN3K
FBX07. 3	0.000231	0.101296	0.418	0.307	1 Mcy	FBX07
NUDT8. 2	0.000233	0.14395	0.125	0.07	1 Mcy	NUDT8
GMPS. 2	0.000233	0.184145	0.26	0.182	1 Mcy	GMPS
RIT2. 5	0.000233	-0.28108	0.018	0.077	1 Mcy	RIT2
PCNXL2. 2	0.000234	-0.14506	0.022	0.085	1 Mcy	PCNXL2
SMKR1. 3	0.000235	-0.17792	0.015	0.072	1 Mcy	SMKR1
C21orf33. 0	0.000236	0.114503	0.473	0.361	1 Mcy	C21orf33
ARL10. 3	0.000237	-0.14171	0.026	0.09	1 Mcy	ARL10
JOSD2. 4	0.000237	0.119313	0.451	0.332	1 Mcy	JOSD2
RUFY2. 6	0.000237	-0.19419	0.07	0.151	1 Mcy	RUFY2
RAB18. 1	0.00024	0.114368	0.516	0.395	1 Mcy	RAB18
MAPRE2. 2	0.00024	0.167177	0.271	0.184	1 Mcy	MAPRE2
ST3GAL2. 2	0.000241	-0.15241	0.033	0.101	1 Mcy	ST3GAL2
RAB11B-AS	0.000241	-0.20412	0.059	0.134	1 Mcy	RAB11B-AS1
AMDHD2. 4	0.000241	0.130879	0.194	0.121	1 Mcy	AMDHD2
SNX24. 2	0.000242	0.173665	0.194	0.124	1 Mcy	SNX24
RFX2	0.000242	0.155593	0.158	0.094	1 Mcy	RFX2
NIP7. 5	0.000243	0.107053	0.253	0.17	1 Mcy	NIP7
IFI6. 3	0.000243	0.115218	0.538	0.403	1 Mcy	IFI6
PGRMC1. 4	0.000243	-0.26852	0.385	0.449	1 Mcy	PGRMC1
ABLIM1. 5	0.000244	-0.12285	0.004	0.054	1 Mcy	ABLIM1
CACNB4. 2	0.000247	-0.16715	0.026	0.09	1 Mcy	CACNB4
LMAN2L. 3	0.000248	-0.20207	0.044	0.115	1 Mcy	LMAN2L
HS6ST1. 1	0.000248	-0.18299	0.04	0.11	1 Mcy	HS6ST1
NFKBIZ. 6	0.000248	0.136303	0.267	0.173	1 Mcy	NFKBIZ
PEG3. 4	0.000249	-0.17173	0.011	0.066	1 Mcy	PEG3
SPIRE1. 2	0.000249	-0.16581	0.033	0.099	1 Mcy	SPIRE1
RAB9B. 3	0.000249	-0.15949	0.004	0.054	1 Mcy	RAB9B
MYD88. 3	0.000249	0.165438	0.201	0.129	1 Mcy	MYD88
CEP19. 4	0.00025	-0.17468	0.018	0.078	1 Mcy	CEP19
LGALS1. 5	0.00025	0.139976	0.938	0.698	1 Mcy	LGALS1
STARD10. 2	0.000251	-0.12717	0.018	0.079	1 Mcy	STARD10
SNRPE. 4	0.000252	0.104254	0.722	0.576	1 Mcy	SNRPE
GPRASP2. 4	0.000253	-0.14996	0.011	0.066	1 Mcy	GPRASP2
ERBB4. 5	0.000255	-0.18683	0.007	0.06	1 Mcy	ERBB4
PSMD5-AS1	0.000257	-0.13772	0.092	0.184	1 Mcy	PSMD5-AS1
TBCC. 6	0.000258	-0.29008	0.136	0.223	1 Mcy	TBCC
MLF2. 6	0.000261	-0.2078	0.623	0.609	1 Mcy	MLF2
FRS2. 5	0.000261	-0.26366	0.044	0.113	1 Mcy	FRS2

PPM1F.3	0.000264	0.106373	0.121	0.065	1 Mcy	PPM1F
GANAB.3	0.000264	0.161968	0.366	0.27	1 Mcy	GANAB
REEP1.6	0.000265	-0.18709	0.022	0.082	1 Mcy	REEP1
TMEM218.2	0.000265	0.112281	0.311	0.219	1 Mcy	TMEM218
ARHGAP23.	0.000266	-0.13691	0.004	0.053	1 Mcy	ARHGAP23
PAIP1.6	0.000267	-0.22633	0.337	0.397	1 Mcy	PAIP1
LRRC1.4	0.000267	-0.18182	0.015	0.071	1 Mcy	LRRC1
C6orf52.1	0.000268	-0.11812	0	0.046	1 Mcy	C6orf52
KHDC1.5	0.000268	-0.16703	0.011	0.066	1 Mcy	KHDC1
NIFK-AS1.	0.000269	-0.1628	0.026	0.089	1 Mcy	NIFK-AS1
RP11-263K	0.00027	-0.11047	0.011	0.067	1 Mcy	RP11-263K19.4
UBXN2B.3	0.000271	0.117029	0.231	0.149	1 Mcy	UBXN2B
FAM46A.2	0.000272	-0.27797	0.114	0.198	1 Mcy	FAM46A
ELAVL2.6	0.000273	-0.2447	0.022	0.081	1 Mcy	ELAVL2
PRPF6.4	0.000274	-0.28652	0.267	0.355	1 Mcy	PRPF6
ELMO2.3	0.000274	-0.18779	0.055	0.13	1 Mcy	ELMO2
MIDN.3	0.000275	-0.26845	0.322	0.416	1 Mcy	MIDN
DEXI.4	0.000275	-0.19852	0.117	0.209	1 Mcy	DEXI
ASIC1.4	0.000276	-0.15338	0.004	0.053	1 Mcy	ASIC1
PDE9A.3	0.000276	-0.14363	0.015	0.072	1 Mcy	PDE9A
ZNF664.4	0.000277	-0.17194	0.07	0.151	1 Mcy	ZNF664
PRADC1.5	0.000281	0.138115	0.3	0.214	1 Mcy	PRADC1
GLRX2.2	0.000281	0.109547	0.242	0.161	1 Mcy	GLRX2
CALR.3	0.000283	0.197279	0.868	0.688	1 Mcy	CALR
CLSTN3.3	0.000284	-0.13322	0.007	0.06	1 Mcy	CLSTN3
SEMA3E.3	0.000286	-0.11754	0.004	0.053	1 Mcy	SEMA3E
KCNJ10.4	0.000286	-0.18529	0.004	0.053	1 Mcy	KCNJ10
PLCE1.4	0.000288	-0.11208	0.011	0.066	1 Mcy	PLCE1
ZNF337.2	0.000288	-0.12139	0.015	0.072	1 Mcy	ZNF337
TAF11.2	0.00029	0.145794	0.366	0.274	1 Mcy	TAF11
B4GALNT4.	0.000291	-0.11342	0	0.046	1 Mcy	B4GALNT4
EXTL2.4	0.000292	-0.2257	0.088	0.169	1 Mcy	EXTL2
SRGAP1.5	0.000292	-0.25732	0.139	0.227	1 Mcy	SRGAP1
QKI.4	0.000294	-0.29439	0.44	0.472	1 Mcy	QKI
CMTM3.6	0.000294	0.118874	0.429	0.321	1 Mcy	CMTM3
CDC23.4	0.000294	0.137245	0.194	0.123	1 Mcy	CDC23
TNF.3	0.000295	0.124722	0.088	0.042	1 Mcy	TNF
ERBB2.2	0.000295	-0.10809	0.007	0.059	1 Mcy	ERBB2
NR2F2.4	0.000295	-0.15733	0	0.046	1 Mcy	NR2F2
PILRB.2	0.000299	-0.2089	0.081	0.163	1 Mcy	PILRB
XRCC2.1	0.0003	0.103621	0.084	0.04	1 Mcy	XRCC2
ZBTB80S.2	0.0003	0.153505	0.388	0.292	1 Mcy	ZBTB80S
TRIM32.2	0.000301	-0.149	0.007	0.059	1 Mcy	TRIM32
SLC2A1.4	0.000303	-0.2366	0.062	0.139	1 Mcy	SLC2A1
CTD-2270L	0.000304	0.156332	0.103	0.054	1 Mcy	CTD-2270L9.4
MFAP1.3	0.000308	0.19333	0.249	0.171	1 Mcy	MFAP1
PIGF.5	0.000309	0.101747	0.385	0.285	1 Mcy	PIGF
TCEAL4.4	0.00031	-0.27286	0.524	0.573	1 Mcy	TCEAL4
TMEM169.4	0.000311	-0.12493	0.007	0.059	1 Mcy	TMEM169
APLP2.6	0.000316	0.147284	0.755	0.589	1 Mcy	APLP2
ABCA2.6	0.000316	-0.32064	0.033	0.097	1 Mcy	ABCA2



ARHGEF2. 5	0.000317	-0.31999	0.201	0.291	1 Mcy	ARHGEF2
TNKS2. 3	0.000319	0.133308	0.176	0.108	1 Mcy	TNKS2
MF12-AS1.	0.00032	-0.13829	0.018	0.076	1 Mcy	MF12-AS1
EFNA2. 4	0.000321	-0.11492	0.004	0.052	1 Mcy	EFNA2
LRP5. 2	0.000322	-0.10819	0.004	0.052	1 Mcy	LRP5
SLC2A8. 3	0.000322	0.118952	0.212	0.138	1 Mcy	SLC2A8
CA14. 5	0.000323	-0.18834	0.004	0.052	1 Mcy	CA14
SEPT8. 6	0.000326	-0.26128	0.11	0.198	1 Mcy	8-Sep
PRMT5. 5	0.000329	0.174996	0.227	0.149	1 Mcy	PRMT5
TNK2. 4	0.00033	-0.20868	0.055	0.129	1 Mcy	TNK2
ZNF639. 5	0.00033	-0.15665	0.062	0.138	1 Mcy	ZNF639
RSU1. 2	0.000331	0.125606	0.363	0.267	1 Mcy	RSU1
RASD1. 4	0.000332	-0.33715	0.062	0.135	1 Mcy	RASD1
CCDC130. 4	0.000332	-0.23327	0.139	0.23	1 Mcy	CCDC130
BRD3. 5	0.000333	-0.2903	0.19	0.277	1 Mcy	BRD3
SH3RF1. 4	0.000334	-0.17086	0.04	0.108	1 Mcy	SH3RF1
FGF9. 5	0.000337	-0.18216	0.004	0.052	1 Mcy	FGF9
PDP1. 3	0.000338	-0.18218	0.055	0.128	1 Mcy	PDP1
CRB2. 4	0.000339	-0.16665	0	0.045	1 Mcy	CRB2
HRK. 4	0.000341	-0.18508	0.011	0.064	1 Mcy	HRK
PDGFA. 3	0.000341	-0.2021	0.033	0.099	1 Mcy	PDGFA
DPF2. 3	0.000341	-0.23751	0.136	0.226	1 Mcy	DPF2
RIN2. 4	0.000344	0.1692	0.201	0.124	1 Mcy	RIN2
SNAP29. 3	0.000344	0.149192	0.308	0.223	1 Mcy	SNAP29
UBE2F. 2	0.000346	0.122254	0.429	0.327	1 Mcy	UBE2F
INTU. 2	0.000347	-0.15209	0.015	0.07	1 Mcy	INTU
AC002456.	0.000349	-0.157	0	0.045	1 Mcy	AC002456. 2
CADM3. 4	0.00035	-0.32698	0.037	0.102	1 Mcy	CADM3
C12orf73.	0.00035	-0.21525	0.077	0.156	1 Mcy	C12orf73
RALGAPA2.	0.00035	-0.17343	0.044	0.112	1 Mcy	RALGAPA2
IFI27. 1	0.000352	0.277424	0.179	0.111	1 Mcy	IFI27
GUK1. 3	0.000353	-0.11035	0.755	0.702	1 Mcy	GUK1
RBM25. 2	0.000353	0.106095	0.553	0.438	1 Mcy	RBM25
SHC4. 3	0.000354	-0.11163	0.007	0.058	1 Mcy	SHC4
WBP2. 2	0.000357	-0.286	0.377	0.454	1 Mcy	WBP2
TRAF3IP2-	0.000359	-0.1738	0.022	0.081	1 Mcy	TRAF3IP2-AS1
VPS11. 1	0.000361	0.107792	0.158	0.094	1 Mcy	VPS11
RP11-446N	0.000362	0.140551	0.033	0.01	1 Mcy	RP11-446N19. 1
PARN. 2	0.000363	0.2077	0.187	0.119	1 Mcy	PARN
DUSP14. 5	0.000363	-0.21764	0.099	0.181	1 Mcy	DUSP14
ACHE. 3	0.000364	-0.13607	0	0.045	1 Mcy	ACHE
SLC6A9. 2	0.000364	-0.14431	0	0.045	1 Mcy	SLC6A9
ATF7	0.000364	0.148751	0.209	0.136	1 Mcy	ATF7
DDR2. 4	0.000364	-0.14471	0.007	0.058	1 Mcy	DDR2
DTNBP1. 4	0.000365	0.142165	0.293	0.204	1 Mcy	DTNBP1
AC011043.	0.000366	-0.15057	0.011	0.064	1 Mcy	AC011043. 1
RP11-539L	0.000368	-0.2086	0.033	0.097	1 Mcy	RP11-539L10. 3
SMCR5. 4	0.000369	-0.13049	0.029	0.093	1 Mcy	SMCR5
ACAP2. 3	0.000369	0.176936	0.26	0.176	1 Mcy	ACAP2
GOLGA8B. 2	0.000369	-0.11641	0.004	0.051	1 Mcy	GOLGA8B
STIP1. 3	0.000371	0.189785	0.473	0.369	1 Mcy	STIP1

GRWD1. 2	0.000372	0.123072	0.227	0.153	1 Mcy	GRWD1
AHDC1. 4	0.000373	-0.17914	0.037	0.103	1 Mcy	AHDC1
MVB12B. 5	0.000373	-0.22382	0.037	0.101	1 Mcy	MVB12B
TMEM8B. 2	0.000375	-0.11709	0.011	0.064	1 Mcy	TMEM8B
ARPP21. 4	0.000379	-0.15222	0.004	0.051	1 Mcy	ARPP21
AKR1B1. 4	0.00038	0.120394	0.766	0.622	1 Mcy	AKR1B1
ZDHHC17. 2	0.000381	-0.19744	0.04	0.107	1 Mcy	ZDHHC17
PSEN2. 2	0.000381	-0.16137	0.044	0.114	1 Mcy	PSEN2
SEC61A2. 2	0.000382	-0.15233	0.022	0.081	1 Mcy	SEC61A2
RNF168. 3	0.000384	0.109434	0.227	0.146	1 Mcy	RNF168
B3GALNT2. 0	0.000384	-0.15838	0.029	0.092	1 Mcy	B3GALNT2
SORD. 1	0.000384	0.155986	0.15	0.09	1 Mcy	SORD
PLEKHF1. 2	0.000385	-0.10096	0	0.044	1 Mcy	PLEKHF1
ZDHHC22. 4	0.000385	-0.13	0	0.044	1 Mcy	ZDHHC22
LAYN. 5	0.000385	-0.10707	0.007	0.058	1 Mcy	LAYN
UBL3. 6	0.000388	-0.28395	0.271	0.356	1 Mcy	UBL3
TTLL1. 3	0.00039	-0.15979	0.029	0.092	1 Mcy	TTLL1
SS18L1. 2	0.000391	-0.15386	0.029	0.091	1 Mcy	SS18L1
BRWD1. 5	0.000391	-0.26141	0.158	0.243	1 Mcy	BRWD1
ICA1L. 3	0.000393	-0.19743	0.037	0.101	1 Mcy	ICA1L
MID1. 3	0.000393	-0.13296	0.004	0.051	1 Mcy	MID1
JPX	0.000394	0.122705	0.348	0.254	1 Mcy	JPX
AMZ2. 2	0.000395	-0.31313	0.297	0.382	1 Mcy	AMZ2
HDGF. 3	0.000398	0.229587	0.366	0.271	1 Mcy	HDGF
RP11-1143	0.000402	0.2068	0.099	0.05	1 Mcy	RP11-1143G9. 4
IGF1R. 4	0.000404	-0.11513	0.015	0.07	1 Mcy	IGF1R
ZNF71. 4	0.000404	-0.17072	0.026	0.086	1 Mcy	ZNF71
FAM50A. 3	0.000405	0.148422	0.48	0.37	1 Mcy	FAM50A
WLS. 4	0.00041	-0.16717	0.125	0.216	1 Mcy	WLS
TNFAIP1. 4	0.000412	-0.19199	0.095	0.177	1 Mcy	TNFAIP1
NOC4L. 2	0.000412	0.101624	0.234	0.154	1 Mcy	NOC4L
MIR497HG. 0	0.000414	-0.22307	0.015	0.069	1 Mcy	MIR497HG
RARS. 1	0.000415	0.134763	0.337	0.242	1 Mcy	RARS
DMD. 3	0.000416	-0.16654	0.026	0.086	1 Mcy	DMD
CADPS. 4	0.000418	-0.20908	0	0.044	1 Mcy	CADPS
HSPD1. 5	0.000419	0.147461	0.762	0.611	1 Mcy	HSPD1
MLLT6. 3	0.00042	-0.12402	0.059	0.133	1 Mcy	MLLT6
ACO07246. 0	0.00042	-0.16228	0.04	0.108	1 Mcy	ACO07246. 3
ANKRD36C. 0	0.00042	-0.25681	0.088	0.164	1 Mcy	ANKRD36C
MTRNR2L1C 0	0.00042	0.152793	0.132	0.073	1 Mcy	MTRNR2L10
DENND4B. 4	0.000423	0.157738	0.121	0.067	1 Mcy	DENND4B
PFDN5. 4	0.000424	-0.10485	0.945	0.882	1 Mcy	PFDN5
ZNF536. 4	0.000424	-0.16531	0	0.044	1 Mcy	ZNF536
R3HDM2. 4	0.000424	-0.17015	0.088	0.169	1 Mcy	R3HDM2
MGRN1. 3	0.000427	-0.18196	0.121	0.21	1 Mcy	MGRN1
ANKRD13B. 0	0.000429	-0.1111	0.004	0.051	1 Mcy	ANKRD13B
FRMD3. 4	0.000432	-0.17188	0.007	0.057	1 Mcy	FRMD3
RP11-488C 0	0.000432	-0.16121	0.015	0.068	1 Mcy	RP11-488C13. 5
XRN2. 2	0.000432	0.120876	0.579	0.455	1 Mcy	XRN2
COL9A2. 3	0.000434	-0.22479	0.029	0.09	1 Mcy	COL9A2
INADL. 5	0.000435	-0.18742	0.015	0.068	1 Mcy	INADL

ZNF513.2	0.000435	-0.11813	0.018	0.075	1 Mcy	ZNF513
PHLPP1.6	0.000435	-0.17676	0.026	0.086	1 Mcy	PHLPP1
SCAP.4	0.000437	-0.1941	0.081	0.159	1 Mcy	SCAP
RP9.4	0.000437	-0.15254	0.095	0.181	1 Mcy	RP9
BBX.3	0.000437	-0.31081	0.341	0.408	1 Mcy	BBX
RYK.3	0.000438	-0.14348	0.029	0.092	1 Mcy	RYK
SIAE.4	0.000439	-0.17561	0.029	0.091	1 Mcy	SIAE
RUNDC1.2	0.000439	-0.14992	0.062	0.137	1 Mcy	RUNDC1
MAPK8IP2.	0.000442	-0.1253	0	0.043	1 Mcy	MAPK8IP2
STK11IP.1	0.000446	0.122606	0.099	0.052	1 Mcy	STK11IP
RABGAP1.4	0.000447	-0.16079	0.055	0.126	1 Mcy	RABGAP1
TPST1.4	0.000448	-0.2706	0.154	0.241	1 Mcy	TPST1
ACTN2.2	0.000448	-0.12257	0	0.043	1 Mcy	ACTN2
TMEM151A.	0.000448	-0.16734	0	0.043	1 Mcy	TMEM151A
UNC5B.5	0.00045	0.141089	0.143	0.082	1 Mcy	UNC5B
DBT.2	0.000451	-0.18293	0.037	0.102	1 Mcy	DBT
CCER2.5	0.000451	-0.19303	0.007	0.056	1 Mcy	CCER2
CAPN2.3	0.000452	-0.18077	0.165	0.254	1 Mcy	CAPN2
RNF182.4	0.000452	-0.12434	0.004	0.05	1 Mcy	RNF182
ZBTB22	0.000454	-0.12727	0.026	0.086	1 Mcy	ZBTB22
XRCC5.5	0.000455	0.132887	0.696	0.557	1 Mcy	XRCC5
SEC16A.2	0.000456	0.165875	0.179	0.114	1 Mcy	SEC16A
FAM212B.5	0.000459	-0.18732	0.037	0.101	1 Mcy	FAM212B
TOMM40.4	0.00046	0.147521	0.421	0.325	1 Mcy	TOMM40
KLHL9.4	0.000462	-0.19076	0.044	0.111	1 Mcy	KLHL9
SELM.4	0.000463	-0.3586	0.114	0.19	1 Mcy	SELM
LSM7.3	0.000465	-0.17472	0.674	0.63	1 Mcy	LSM7
BMPR2.4	0.000465	-0.21249	0.099	0.179	1 Mcy	BMPR2
SPOP.3	0.000467	-0.29552	0.223	0.311	1 Mcy	SPOP
ARL8A.4	0.000473	-0.26066	0.187	0.274	1 Mcy	ARL8A
KANSL1.4	0.000473	-0.20283	0.088	0.167	1 Mcy	KANSL1
FAM8A1.2	0.000473	-0.15449	0.026	0.085	1 Mcy	FAM8A1
DNAJB1.3	0.000474	-0.31051	0.571	0.611	1 Mcy	DNAJB1
UNG.3	0.000481	0.160282	0.187	0.12	1 Mcy	UNG
SCAMP1.4	0.000485	-0.2233	0.128	0.216	1 Mcy	SCAMP1
GDPD1.4	0.000485	-0.13268	0.015	0.068	1 Mcy	GDPD1
DHX40.5	0.000486	-0.16585	0.066	0.141	1 Mcy	DHX40
MSRB2.5	0.000487	0.127316	0.352	0.252	1 Mcy	MSRB2
BCL11A.3	0.000487	-0.14072	0.004	0.049	1 Mcy	BCL11A
TNRC6A.2	0.000488	-0.20647	0.128	0.217	1 Mcy	TNRC6A
C6orf89.2	0.000495	0.117374	0.304	0.218	1 Mcy	C6orf89
PIGK	0.000496	0.118081	0.227	0.15	1 Mcy	PIGK
NUP88.3	0.000498	0.179222	0.194	0.126	1 Mcy	NUP88
POMP.2	0.000499	0.123725	0.872	0.732	1 Mcy	POMP
LIN7A.2	0.000501	-0.10179	0	0.043	1 Mcy	LIN7A
UPF3A.5	0.000501	-0.24914	0.26	0.347	1 Mcy	UPF3A
UBE20.4	0.000502	-0.13156	0.048	0.118	1 Mcy	UBE20
HAX1.1	0.000502	0.107922	0.564	0.443	1 Mcy	HAX1
MAP2K2.5	0.000507	-0.28828	0.231	0.303	1 Mcy	MAP2K2
TMEM205.5	0.000509	-0.39791	0.469	0.496	1 Mcy	TMEM205
DDA1.1	0.000511	0.10429	0.429	0.326	1 Mcy	DDA1

ITPR2.4	0.000512	0.111324	0.201	0.13	1 Mcy	ITPR2
EXD2.1	0.000513	-0.14659	0.033	0.096	1 Mcy	EXD2
MOAP1.4	0.000515	-0.19093	0.136	0.219	1 Mcy	MOAP1
ADCY3.3	0.000517	0.146103	0.106	0.057	1 Mcy	ADCY3
TMEM246.4	0.000517	-0.15623	0.004	0.049	1 Mcy	TMEM246
SYNGAP1.4	0.000517	-0.13152	0.007	0.055	1 Mcy	SYNGAP1
FAM98C.1	0.000518	-0.20602	0.066	0.139	1 Mcy	FAM98C
FAM169A.3	0.00052	-0.12335	0.004	0.049	1 Mcy	FAM169A
CXCL14.3	0.00052	-0.30672	0.07	0.143	1 Mcy	CXCL14
ZNF224.2	0.000521	-0.19283	0.04	0.106	1 Mcy	ZNF224
PCAT6	0.000522	-0.11568	0	0.042	1 Mcy	PCAT6
FAM120A.4	0.000523	0.103175	0.293	0.208	1 Mcy	FAM120A
EID2B.4	0.000526	-0.13295	0.029	0.091	1 Mcy	EID2B
LENG8.2	0.000526	-0.21951	0.136	0.225	1 Mcy	LENG8
SORBS3.4	0.000528	-0.12404	0.092	0.174	1 Mcy	SORBS3
PGAM2.5	0.000529	-0.21685	0.004	0.049	1 Mcy	PGAM2
RNF216.1	0.000533	-0.19289	0.147	0.232	1 Mcy	RNF216
LOH12CR2.	0.000539	-0.14532	0.007	0.055	1 Mcy	LOH12CR2
C14orf37.	0.000543	-0.21397	0.048	0.113	1 Mcy	C14orf37
MARK4.2	0.000545	-0.11314	0.018	0.074	1 Mcy	MARK4
RAD9A.1	0.000546	0.161068	0.205	0.133	1 Mcy	RAD9A
RAD1.2	0.000547	0.129608	0.256	0.176	1 Mcy	RAD1
DYRK1B.1	0.000549	-0.12163	0.015	0.068	1 Mcy	DYRK1B
RILP.6	0.000551	0.118025	0.165	0.101	1 Mcy	RILP
MEX3C.3	0.000554	-0.12765	0.033	0.096	1 Mcy	MEX3C
TIA1.6	0.000556	-0.27886	0.165	0.25	1 Mcy	TIA1
LPL.3	0.000557	-0.29943	0.084	0.16	1 Mcy	LPL
TBC1D10B.	0.000557	0.198285	0.158	0.098	1 Mcy	TBC1D10B
SALL3.3	0.000559	-0.10278	0	0.042	1 Mcy	SALL3
SH3GLB1.4	0.00056	0.133787	0.557	0.427	1 Mcy	SH3GLB1
FAM89B.5	0.000562	-0.25974	0.168	0.248	1 Mcy	FAM89B
ZNF558.3	0.000566	-0.14146	0.022	0.078	1 Mcy	ZNF558
PSMD2.3	0.000568	0.142182	0.579	0.458	1 Mcy	PSMD2
PCDH8.2	0.00057	-0.11708	0.004	0.049	1 Mcy	PCDH8
NOP14	0.00057	0.130418	0.136	0.08	1 Mcy	NOP14
ZNF324.4	0.000572	-0.15947	0.026	0.083	1 Mcy	ZNF324
AFF4.4	0.000577	-0.28252	0.26	0.342	1 Mcy	AFF4
PPIL6.5	0.000578	-0.12434	0.004	0.049	1 Mcy	PPIL6
ZNF682.3	0.000579	-0.16255	0.022	0.077	1 Mcy	ZNF682
IMMP2L.4	0.00058	-0.26801	0.073	0.146	1 Mcy	IMMP2L
RALGAPB.3	0.00058	-0.10489	0.044	0.112	1 Mcy	RALGAPB
CAB39.3	0.000582	0.125152	0.264	0.182	1 Mcy	CAB39
ZMIZ2.3	0.000583	-0.1366	0.037	0.1	1 Mcy	ZMIZ2
ARHGEF4.3	0.000583	-0.1149	0.007	0.055	1 Mcy	ARHGEF4
CCDC58.3	0.000584	0.131452	0.212	0.142	1 Mcy	CCDC58
UBP1.1	0.000589	0.143415	0.125	0.071	1 Mcy	UBP1
KCNK6.4	0.000589	0.102152	0.081	0.039	1 Mcy	KCNK6
OGT	0.000592	-0.1946	0.059	0.128	1 Mcy	OGT
ENDOV.3	0.000606	-0.14988	0.132	0.223	1 Mcy	ENDOV
TAGLN.3	0.000606	-0.44014	0.018	0.072	1 Mcy	TAGLN
DYNLL2.6	0.000606	-0.22958	0.125	0.208	1 Mcy	DYNLL2

TBL1X	0.000608	-0.10678	0.015	0.067	1 Mcy	TBL1X
CTB-113I2	0.000625	-0.10973	0.011	0.061	1 Mcy	CTB-113I20.2
WDR35	0.000625	-0.12029	0.004	0.048	1 Mcy	WDR35
SMOX.5	0.000629	-0.31432	0.161	0.249	1 Mcy	SMOX
CIITA.2	0.000631	0.113244	0.077	0.037	1 Mcy	CIITA
USP42.4	0.000631	-0.15079	0.055	0.124	1 Mcy	USP42
ZNF286A.3	0.000633	-0.14475	0.011	0.06	1 Mcy	ZNF286A
MYT1L.6	0.000635	-0.20038	0.011	0.06	1 Mcy	MYT1L
MLEC.3	0.000637	0.119023	0.505	0.398	1 Mcy	MLEC
ZNF138.4	0.000639	-0.18869	0.073	0.147	1 Mcy	ZNF138
ST5.6	0.000639	-0.20415	0.077	0.153	1 Mcy	ST5
B4GALT2.3	0.000641	-0.12777	0.022	0.078	1 Mcy	B4GALT2
RDH14.3	0.000642	-0.23989	0.11	0.19	1 Mcy	RDH14
NRG2.3	0.000643	-0.10621	0	0.041	1 Mcy	NRG2
METTL7B.3	0.000644	-0.41992	0.136	0.214	1 Mcy	METTL7B
CPD.2	0.000648	-0.17643	0.084	0.162	1 Mcy	CPD
FAM13C.3	0.000652	-0.13253	0	0.041	1 Mcy	FAM13C
AR.3	0.000656	-0.11867	0.004	0.048	1 Mcy	AR
NBL1.5	0.000658	0.280819	0.245	0.177	1 Mcy	NBL1
HMGXB4.2	0.000659	0.134207	0.3	0.22	1 Mcy	HMGXB4
FAM200A.3	0.00066	-0.1911	0.037	0.098	1 Mcy	FAM200A
GLG1.5	0.00066	-0.22848	0.179	0.268	1 Mcy	GLG1
RP4-798A1	0.000661	-0.11549	0	0.041	1 Mcy	RP4-798A10.7
NME6.1	0.000664	0.217441	0.172	0.107	1 Mcy	NME6
PSME3.3	0.000671	0.1174	0.308	0.225	1 Mcy	PSME3
SEC22A.1	0.000679	0.1647	0.161	0.1	1 Mcy	SEC22A
ZNF776.3	0.00068	-0.13113	0.011	0.06	1 Mcy	ZNF776
TMEM55A.5	0.000681	-0.25908	0.15	0.235	1 Mcy	TMEM55A
TCEAL3.2	0.000682	0.151773	0.429	0.34	1 Mcy	TCEAL3
SLC2A6.2	0.000685	-0.11664	0.018	0.072	1 Mcy	SLC2A6
TMEM168.3	0.000685	-0.20756	0.048	0.113	1 Mcy	TMEM168
XRR1.4	0.000688	-0.13846	0.059	0.131	1 Mcy	XRR1
SNAI2.3	0.000689	-0.10104	0	0.041	1 Mcy	SNAI2
PAK7.5	0.000692	-0.14388	0.004	0.047	1 Mcy	PAK7
RBM26.4	0.000698	-0.20289	0.132	0.215	1 Mcy	RBM26
HSPB8.3	0.000698	-0.19914	0	0.04	1 Mcy	HSPB8
TRIM23.3	0.000702	-0.1736	0.026	0.081	1 Mcy	TRIM23
KBTBD7.4	0.000705	-0.16516	0.029	0.088	1 Mcy	KBTBD7
TARBP1.3	0.000706	-0.13157	0.018	0.072	1 Mcy	TARBP1
MAP4K4.4	0.000707	-0.2033	0.161	0.25	1 Mcy	MAP4K4
BOLA3-AS1	0.000708	-0.10889	0	0.04	1 Mcy	BOLA3-AS1
PDE1C.2	0.000708	-0.15048	0	0.04	1 Mcy	PDE1C
TMEM143	0.00071	0.101247	0.062	0.028	1 Mcy	TMEM143
HID1.3	0.000715	-0.13394	0.007	0.053	1 Mcy	HID1
SOD3.3	0.000718	-0.10546	0	0.04	1 Mcy	SOD3
DNAJC30.4	0.000723	-0.19895	0.081	0.155	1 Mcy	DNAJC30
RASA4.1	0.000723	-0.15156	0.011	0.06	1 Mcy	RASA4
TMEM145.4	0.000724	-0.15759	0.018	0.071	1 Mcy	TMEM145
MAN1A2.4	0.000724	-0.20749	0.125	0.206	1 Mcy	MAN1A2
FHL2.3	0.000726	-0.13066	0.004	0.047	1 Mcy	FHL2
SACS.6	0.000733	-0.16609	0.081	0.156	1 Mcy	SACS

DDAH2.4	0.000738	-0.21195	0.443	0.49	1 Mcy	DDAH2
EPHB1.3	0.000738	-0.13984	0.004	0.047	1 Mcy	EPHB1
GRID2.3	0.00074	-0.12763	0.004	0.047	1 Mcy	GRID2
OSBPL1A.5	0.000742	-0.18997	0.11	0.193	1 Mcy	OSBPL1A
SLC40A1.4	0.000747	-0.25156	0.07	0.14	1 Mcy	SLC40A1
BLM.1	0.000747	0.160569	0.132	0.079	1 Mcy	BLM
IL17RB.4	0.000751	-0.14744	0.004	0.047	1 Mcy	IL17RB
PPFIA2.2	0.000752	-0.15815	0.004	0.047	1 Mcy	PPFIA2
ADSSL1.3	0.000756	0.10678	0.136	0.079	1 Mcy	ADSSL1
RP11-51J9	0.000756	-0.17486	0.07	0.142	1 Mcy	RP11-51J9.5
TIGD1.2	0.000758	-0.13544	0.015	0.065	1 Mcy	TIGD1
MYT1.4	0.000759	-0.14254	0	0.04	1 Mcy	MYT1
GNPDA2.3	0.000761	-0.21881	0.059	0.126	1 Mcy	GNPDA2
KCTD1.4	0.000761	-0.10896	0.015	0.065	1 Mcy	KCTD1
LINC00909	0.000761	-0.17138	0.048	0.113	1 Mcy	LINC00909
MICAL3.2	0.000762	-0.16607	0.022	0.076	1 Mcy	MICAL3
CLDN11.4	0.000765	-0.36522	0.004	0.047	1 Mcy	CLDN11
HERPUD2.2	0.000766	-0.1525	0.099	0.176	1 Mcy	HERPUD2
RP11-486G	0.000772	-0.12303	0.004	0.047	1 Mcy	RP11-486G15.2
EIF1B.5	0.000773	-0.27697	0.557	0.589	1 Mcy	EIF1B
DDHD2.3	0.000774	-0.17664	0.044	0.107	1 Mcy	DDHD2
DPY30.4	0.000774	0.107143	0.626	0.492	1 Mcy	DPY30
TMEM131.5	0.000776	-0.1089	0.073	0.148	1 Mcy	TMEM131
AC004540.	0.000778	-0.19697	0.026	0.081	1 Mcy	AC004540.5
DCAF5.2	0.000778	-0.13728	0.062	0.135	1 Mcy	DCAF5
TMEM138.1	0.000779	0.11772	0.245	0.171	1 Mcy	TMEM138
C20orf24.	0.000781	0.131707	0.59	0.464	1 Mcy	C20orf24
DLGAP1.3	0.000788	-0.12422	0.004	0.046	1 Mcy	DLGAP1
ACSS1.3	0.000791	-0.20281	0.04	0.101	1 Mcy	ACSS1
ADCY2.2	0.000791	-0.1099	0	0.04	1 Mcy	ADCY2
FAM219A.2	0.000792	-0.14395	0.033	0.092	1 Mcy	FAM219A
CDK20.3	0.000793	-0.12116	0.011	0.059	1 Mcy	CDK20
SLC35E3.5	0.000795	-0.33265	0.114	0.189	1 Mcy	SLC35E3
SLC9A3R2.	0.000796	-0.13873	0.048	0.113	1 Mcy	SLC9A3R2
HOMER3.4	0.000796	-0.23363	0.161	0.243	1 Mcy	HOMER3
EPC2.2	0.000796	-0.16732	0.037	0.096	1 Mcy	EPC2
SYNJ2.1	0.000799	-0.12488	0.004	0.046	1 Mcy	SYNJ2
ORC4.5	0.000802	-0.25766	0.154	0.237	1 Mcy	ORC4
C20orf96.	0.000803	-0.14279	0.077	0.152	1 Mcy	C20orf96
AADAT.3	0.000804	-0.10836	0.007	0.053	1 Mcy	AADAT
ATG9A.4	0.000812	-0.11389	0.051	0.118	1 Mcy	ATG9A
ARHGEF10.	0.000815	-0.19106	0.018	0.07	1 Mcy	ARHGEF10
UMPS.4	0.000816	0.141374	0.198	0.131	1 Mcy	UMPS
IGF2BP2.4	0.000819	-0.12085	0.026	0.082	1 Mcy	IGF2BP2
ZNF92.4	0.00082	-0.20995	0.077	0.148	1 Mcy	ZNF92
FRZB.2	0.000824	-0.23719	0.004	0.046	1 Mcy	FRZB
MLH3.3	0.000827	-0.12871	0.044	0.107	1 Mcy	MLH3
CCDC92.3	0.000829	-0.14883	0.04	0.103	1 Mcy	CCDC92
CPSF3	0.000831	0.1231	0.253	0.174	1 Mcy	CPSF3
PRKAR1A.3	0.000835	-0.2708	0.418	0.473	1 Mcy	PRKAR1A
CTD-2017E	0.000839	-0.13462	0.011	0.059	1 Mcy	CTD-2017D11.1

ZBED5. 5	0. 000842	-0. 17222	0. 103	0. 181	1 Mcy	ZBED5
ACVR2A. 1	0. 000843	-0. 12991	0. 018	0. 07	1 Mcy	ACVR2A
ABCD4. 4	0. 000847	-0. 22359	0. 168	0. 258	1 Mcy	ABCD4
LTBP3. 3	0. 000847	-0. 19181	0. 128	0. 211	1 Mcy	LTBP3
AP1M1. 2	0. 000854	0. 157645	0. 304	0. 221	1 Mcy	AP1M1
BEX5. 4	0. 000855	-0. 34814	0. 04	0. 097	1 Mcy	BEX5
METTL9. 5	0. 000858	-0. 22741	0. 421	0. 469	1 Mcy	METTL9
ZFR2. 3	0. 00086	-0. 13275	0	0. 039	1 Mcy	ZFR2
ZNF232. 4	0. 000864	-0. 14705	0. 026	0. 081	1 Mcy	ZNF232
CDR2L. 2	0. 000865	-0. 10414	0. 015	0. 065	1 Mcy	CDR2L
SRPX2. 4	0. 000869	-0. 18316	0. 011	0. 059	1 Mcy	SRPX2
LPCAT3. 1	0. 000871	0. 109311	0. 22	0. 147	1 Mcy	LPCAT3
SPPL3. 4	0. 000873	-0. 17611	0. 117	0. 199	1 Mcy	SPPL3
MIB2. 5	0. 000874	-0. 15771	0. 077	0. 151	1 Mcy	MIB2
WDR6. 4	0. 000877	-0. 26968	0. 154	0. 234	1 Mcy	WDR6
GRIK3. 3	0. 000884	-0. 10636	0. 004	0. 046	1 Mcy	GRIK3
SGSH. 1	0. 000891	-0. 11725	0. 015	0. 064	1 Mcy	SGSH
AC093323. 0	0. 000892	-0. 11678	0. 037	0. 097	1 Mcy	AC093323. 3
SORBS2. 4	0. 000895	-0. 17101	0. 007	0. 052	1 Mcy	SORBS2
DGKD	0. 000895	0. 199667	0. 106	0. 059	1 Mcy	DGKD
SMG9. 1	0. 000898	0. 151643	0. 187	0. 123	1 Mcy	SMG9
GTF2H2. 4	0. 000899	-0. 21938	0. 11	0. 186	1 Mcy	GTF2H2
SLC27A1. 2	0. 000901	-0. 22403	0. 088	0. 162	1 Mcy	SLC27A1
ANKRD13D. 0	0. 000904	-0. 16878	0. 092	0. 169	1 Mcy	ANKRD13D
SLC1A3. 5	0. 000904	-0. 28958	0. 443	0. 477	1 Mcy	SLC1A3
ERMN. 4	0. 000909	-0. 35653	0	0. 039	1 Mcy	ERMN
SAMD10. 2	0. 00091	-0. 10378	0. 011	0. 058	1 Mcy	SAMD10
RAB30-AS1	0. 000911	0. 32376	0. 212	0. 147	1 Mcy	RAB30-AS1
IL1RAP. 2	0. 000914	0. 103359	0. 234	0. 158	1 Mcy	IL1RAP
LY6E. 2	0. 000916	0. 137495	0. 48	0. 373	1 Mcy	LY6E
GPR37. 3	0. 00092	-0. 28092	0. 022	0. 074	1 Mcy	GPR37
RIC8A. 2	0. 00092	0. 128404	0. 377	0. 284	1 Mcy	RIC8A
SUCO. 3	0. 00092	-0. 16052	0. 081	0. 155	1 Mcy	SUCO
HSPA2. 3	0. 000922	-0. 40044	0. 062	0. 126	1 Mcy	HSPA2
CDC14B. 2	0. 000923	-0. 1357	0. 015	0. 064	1 Mcy	CDC14B
NGRN. 3	0. 000924	-0. 14503	0. 026	0. 081	1 Mcy	NGRN
COQ10A. 3	0. 000928	-0. 15934	0. 04	0. 102	1 Mcy	COQ10A
NEUROD1. 3	0. 000934	-0. 14491	0	0. 039	1 Mcy	NEUROD1
ERBB3. 4	0. 000934	-0. 17943	0	0. 039	1 Mcy	ERBB3
HSDL1. 5	0. 000935	-0. 21225	0. 066	0. 132	1 Mcy	HSDL1
CSGALNACT	0. 000938	0. 102872	0. 15	0. 092	1 Mcy	CSGALNACT2
MFSD3. 3	0. 000942	-0. 16381	0. 055	0. 121	1 Mcy	MFSD3
TIRAP	0. 000942	0. 11153	0. 059	0. 026	1 Mcy	TIRAP
AGFG1. 3	0. 00095	0. 170388	0. 194	0. 13	1 Mcy	AGFG1
SSFA2. 4	0. 000952	-0. 22537	0. 11	0. 188	1 Mcy	SSFA2
HOXA3. 5	0. 000954	-0. 1716	0. 011	0. 057	1 Mcy	HOXA3
VWA3B. 2	0. 00096	-0. 10317	0	0. 038	1 Mcy	VWA3B
ZNF48. 4	0. 000966	-0. 1067	0. 037	0. 098	1 Mcy	ZNF48
GLTSCR2. 5	0. 000966	-0. 24343	0. 546	0. 564	1 Mcy	GLTSCR2
NELFCD. 4	0. 000969	-0. 20225	0. 264	0. 338	1 Mcy	NELFCD
ZNF527	0. 000969	-0. 11941	0. 004	0. 045	1 Mcy	ZNF527

PRRC2B. 5	0.000973	-0.23614	0.154	0.238	1 Mcy	PRRC2B
SCHIP1. 1	0.000974	-0.10723	0	0.038	1 Mcy	SCHIP1
IGFBP4. 2	0.000982	0.170882	0.114	0.065	1 Mcy	IGFBP4
ASH1L. 3	0.000984	-0.20525	0.22	0.312	1 Mcy	ASH1L
C17orf97. 0	0.000985	-0.12666	0.011	0.058	1 Mcy	C17orf97
LANCL1. 5	0.00099	-0.25449	0.055	0.118	1 Mcy	LANCL1
GNS. 4	0.000993	0.117635	0.278	0.197	1 Mcy	GNS
LCA5. 2	0.001003	-0.11296	0.007	0.051	1 Mcy	LCA5
POU2F1. 5	0.001011	-0.16304	0.088	0.162	1 Mcy	POU2F1
TBC1D25	0.001014	-0.15966	0.026	0.079	1 Mcy	TBC1D25
FAM124A. 2	0.001015	-0.13051	0	0.038	1 Mcy	FAM124A
SLC32A1. 4	0.001015	-0.15349	0	0.038	1 Mcy	SLC32A1
SLC25A36. 0	0.001015	-0.23447	0.187	0.271	1 Mcy	SLC25A36
C9orf9. 5	0.001017	-0.16613	0.048	0.111	1 Mcy	C9orf9
NACAD. 5	0.001024	-0.18217	0.033	0.09	1 Mcy	NACAD
ZNF623	0.001025	-0.1194	0.004	0.045	1 Mcy	ZNF623
MAG. 4	0.001029	-0.36966	0	0.038	1 Mcy	MAG
TMEM38A. 4	0.001034	-0.13364	0.007	0.051	1 Mcy	TMEM38A
STX1A. 3	0.001034	-0.17196	0.018	0.069	1 Mcy	STX1A
INTS10. 3	0.001043	0.102657	0.392	0.3	1 Mcy	INTS10
CSMD2	0.00105	-0.11757	0.004	0.045	1 Mcy	CSMD2
CTSK. 3	0.001055	-0.13362	0.007	0.051	1 Mcy	CTSK
HNRNPA1L2	0.001056	0.12638	0.286	0.199	1 Mcy	HNRNPA1L2
SGIP1. 3	0.001062	-0.16417	0.007	0.051	1 Mcy	SGIP1
PHF20. 3	0.001065	-0.2539	0.234	0.322	1 Mcy	PHF20
PLA2G4C. 2	0.001066	-0.12592	0.004	0.044	1 Mcy	PLA2G4C
KRIT1. 5	0.001066	-0.22106	0.139	0.218	1 Mcy	KRIT1
ABHD16A. 1	0.001072	0.112592	0.073	0.036	1 Mcy	ABHD16A
PLA2G12A. 0	0.001074	-0.21524	0.158	0.236	1 Mcy	PLA2G12A
PEX6. 1	0.001074	-0.14763	0.015	0.063	1 Mcy	PEX6
PLA2G16. 5	0.001076	-0.41035	0.337	0.406	1 Mcy	PLA2G16
RNF103. 1	0.001076	-0.19281	0.044	0.104	1 Mcy	RNF103
PHC2. 4	0.001078	0.171218	0.359	0.275	1 Mcy	PHC2
ONECUT2. 3	0.001078	-0.14167	0.004	0.044	1 Mcy	ONECUT2
UGT8. 5	0.001078	-0.23567	0.007	0.05	1 Mcy	UGT8
PSMD11. 3	0.001079	0.105694	0.509	0.405	1 Mcy	PSMD11
EIF2S2. 3	0.001082	0.122219	0.747	0.584	1 Mcy	EIF2S2
TSHZ2. 4	0.001088	-0.19525	0.007	0.05	1 Mcy	TSHZ2
CEP85L. 2	0.001104	-0.16613	0.051	0.115	1 Mcy	CEP85L
IER3IP1. 4	0.001104	0.107121	0.077	0.037	1 Mcy	IER3IP1
SBF2. 1	0.001105	-0.28768	0.11	0.184	1 Mcy	SBF2
FOXO3. 4	0.00111	-0.24546	0.187	0.274	1 Mcy	FOXO3
LMBR1. 4	0.001112	-0.13789	0.048	0.111	1 Mcy	LMBR1
CRELD1	0.001114	-0.22868	0.099	0.174	1 Mcy	CRELD1
CAV2. 2	0.001121	-0.13593	0.004	0.045	1 Mcy	CAV2
ZNF768. 3	0.001124	-0.13559	0.037	0.096	1 Mcy	ZNF768
MATR3. 5	0.001127	-0.25823	0.458	0.487	1 Mcy	MATR3
CELF1. 3	0.001131	-0.1919	0.223	0.31	1 Mcy	CELF1
GUCY1A2. 2	0.001134	-0.10339	0	0.037	1 Mcy	GUCY1A2
TFAP2A. 3	0.001134	-0.12974	0	0.037	1 Mcy	TFAP2A
SNRPN. 6	0.001137	-0.39629	0.04	0.1	1 Mcy	SNRPN



RGS12.6	0.001148	-0.24056	0.183	0.273	1 Mcy	RGS12
NGFR.3	0.00115	-0.13182	0	0.037	1 Mcy	NGFR
GTF2IRD1	0.00115	-0.15778	0.026	0.079	1 Mcy	GTF2IRD1
PDZD2.1	0.001152	-0.11125	0.004	0.044	1 Mcy	PDZD2
JOSD1.6	0.001152	0.146084	0.227	0.156	1 Mcy	JOSD1
WDR86.1	0.001173	-0.10041	0.004	0.044	1 Mcy	WDR86
OPHN1.4	0.001175	-0.18966	0.022	0.072	1 Mcy	OPHN1
NCOA1.3	0.001177	-0.21356	0.092	0.163	1 Mcy	NCOA1
ZNF625.2	0.001178	-0.10135	0.007	0.05	1 Mcy	ZNF625
PVRL1.5	0.001179	-0.15479	0.015	0.062	1 Mcy	PVRL1
ZNF320	0.00118	-0.11165	0.011	0.057	1 Mcy	ZNF320
VCAM1.4	0.001182	-0.2697	0.022	0.073	1 Mcy	VCAM1
IL6ST.5	0.001187	-0.24852	0.172	0.256	1 Mcy	IL6ST
TRIM26.1	0.001194	0.126751	0.154	0.096	1 Mcy	TRIM26
EPB41L5.2	0.001215	-0.1254	0.007	0.05	1 Mcy	EPB41L5
PPHLN1.2	0.001221	0.103331	0.465	0.364	1 Mcy	PPHLN1
ELMOD3.4	0.001231	-0.121	0.066	0.137	1 Mcy	ELMOD3
HELZ2.5	0.001233	-0.13576	0.04	0.101	1 Mcy	HELZ2
ST8SIA5.3	0.00124	-0.12221	0.004	0.044	1 Mcy	ST8SIA5
ACO05618.0	0.001243	-0.1383	0.004	0.044	1 Mcy	ACO05618.6
CBX8.3	0.001245	-0.13654	0.022	0.073	1 Mcy	CBX8
HNRNPDL.3	0.001247	-0.12135	0.853	0.796	1 Mcy	HNRNPDL
CTC-241N9	0.00125	-0.10009	0	0.037	1 Mcy	CTC-241N9.1
C11orf95.0	0.001253	-0.10643	0.004	0.044	1 Mcy	C11orf95
RSBN1L.4	0.00126	-0.25369	0.278	0.357	1 Mcy	RSBN1L
CLDN10.4	0.001261	-0.26234	0.011	0.056	1 Mcy	CLDN10
TNR.5	0.001261	-0.19431	0.011	0.056	1 Mcy	TNR
VTI1A.4	0.001264	0.128493	0.114	0.064	1 Mcy	VTI1A
DHX36.4	0.001265	-0.25743	0.363	0.427	1 Mcy	DHX36
BHLHB9	0.001267	-0.10071	0	0.037	1 Mcy	BHLHB9
GNPDA1.1	0.001281	0.112786	0.322	0.237	1 Mcy	GNPDA1
REV3L.3	0.001281	-0.19027	0.136	0.211	1 Mcy	REV3L
CLCN4.5	0.001282	-0.14133	0.011	0.056	1 Mcy	CLCN4
LINGO1.3	0.001285	-0.11564	0	0.037	1 Mcy	LINGO1
GPHN.3	0.001285	-0.13665	0.018	0.068	1 Mcy	GPHN
MBOAT7.4	0.001286	0.171745	0.322	0.241	1 Mcy	MBOAT7
PDE4D.3	0.001291	-0.16046	0.04	0.099	1 Mcy	PDE4D
FAM126B.3	0.001291	-0.2103	0.073	0.141	1 Mcy	FAM126B
UBTD1.2	0.001292	0.174346	0.168	0.111	1 Mcy	UBTD1
RNF144A.2	0.001301	-0.12553	0.004	0.043	1 Mcy	RNF144A
CCDC66.5	0.001304	-0.20104	0.15	0.231	1 Mcy	CCDC66
DIAPH1.4	0.001308	0.130898	0.201	0.137	1 Mcy	DIAPH1
CRTAP.6	0.001312	0.101481	0.319	0.234	1 Mcy	CRTAP
GADD45GIP1	0.001317	-0.17361	0.604	0.562	1 Mcy	GADD45GIP1
RAPGEF5.4	0.001317	-0.21575	0.004	0.043	1 Mcy	RAPGEF5
KCNN2.3	0.001321	-0.10106	0	0.036	1 Mcy	KCNN2
JPH4.3	0.001322	-0.17978	0.015	0.061	1 Mcy	JPH4
USP49	0.001324	-0.11858	0.004	0.043	1 Mcy	USP49
ATP6V1G1.0	0.001336	-0.14418	0.784	0.753	1 Mcy	ATP6V1G1
ANK3.5	0.001339	-0.18223	0.015	0.061	1 Mcy	ANK3
TMEM126B.0	0.001339	0.113767	0.396	0.307	1 Mcy	TMEM126B

HEXDC. 2	0.001343	-0.12394	0.051	0.115	1 Mcy	HEXDC
RP11-111M	0.001343	-0.11581	0.004	0.043	1 Mcy	RP11-111M2. 2
BAZ2B. 3	0.001347	-0.26439	0.249	0.322	1 Mcy	BAZ2B
GGPS1. 5	0.001349	-0.30092	0.242	0.319	1 Mcy	GGPS1
BEX4. 5	0.001352	-0.32079	0.432	0.478	1 Mcy	BEX4
CARS. 4	0.001352	-0.24954	0.143	0.221	1 Mcy	CARS
FAM66C. 1	0.001354	-0.12487	0.004	0.043	1 Mcy	FAM66C
PHF1. 3	0.001364	-0.20542	0.099	0.171	1 Mcy	PHF1
CRAT. 2	0.001365	0.163791	0.223	0.159	1 Mcy	CRAT
ZBTB33. 1	0.001371	-0.1128	0.015	0.062	1 Mcy	ZBTB33
TGDS. 1	0.001373	0.123092	0.125	0.073	1 Mcy	TGDS
C1orf122. 0	0.001375	-0.25046	0.48	0.489	1 Mcy	C1orf122
RPRD2. 2	0.001379	-0.15858	0.066	0.131	1 Mcy	RPRD2
BCL7C. 3	0.001379	0.149617	0.337	0.253	1 Mcy	BCL7C
GTPBP4	0.001379	0.102014	0.289	0.211	1 Mcy	GTPBP4
NCSTN. 1	0.001381	0.101888	0.337	0.252	1 Mcy	NCSTN
MKLN1. 4	0.001385	-0.25227	0.154	0.231	1 Mcy	MKLN1
USP39. 3	0.001397	0.121005	0.256	0.183	1 Mcy	USP39
FBX06. 2	0.001399	0.133586	0.125	0.074	1 Mcy	FBX06
COX16. 2	0.001411	0.112939	0.634	0.497	1 Mcy	COX16
RP11-315A	0.001415	-0.11405	0	0.036	1 Mcy	RP11-315A16. 1
GRK4. 4	0.001419	-0.12328	0.04	0.099	1 Mcy	GRK4
NCL. 3	0.001427	0.146152	0.685	0.552	1 Mcy	NCL
SCN9A. 3	0.001435	-0.14009	0	0.036	1 Mcy	SCN9A
TMEM63B. 2	0.001444	-0.17364	0.07	0.137	1 Mcy	TMEM63B
AGPAT4. 3	0.001449	-0.15368	0.044	0.104	1 Mcy	AGPAT4
RTN3. 4	0.001451	-0.18092	0.685	0.654	1 Mcy	RTN3
MZF1. 1	0.001451	-0.14605	0.037	0.093	1 Mcy	MZF1
C1orf52. 6	0.001457	-0.29105	0.231	0.309	1 Mcy	C1orf52
CPLX1. 3	0.001457	-0.13797	0.004	0.043	1 Mcy	CPLX1
NFKB2. 6	0.001471	0.118726	0.106	0.06	1 Mcy	NFKB2
RPF2. 2	0.001473	0.112399	0.304	0.225	1 Mcy	RPF2
RP11-15A1	0.001475	-0.11799	0.011	0.055	1 Mcy	RP11-15A1. 3
ZNF502. 1	0.001478	-0.10602	0.004	0.043	1 Mcy	ZNF502
DXO. 1	0.001485	-0.16693	0.059	0.123	1 Mcy	DXO
C19orf12. 0	0.001486	-0.20385	0.077	0.144	1 Mcy	C19orf12
UTP14C. 2	0.001487	-0.11922	0.029	0.083	1 Mcy	UTP14C
PDRG1. 4	0.001489	-0.19733	0.187	0.27	1 Mcy	PDRG1
IRF2BP1. 5	0.001493	-0.13699	0.048	0.107	1 Mcy	IRF2BP1
UBE2N. 3	0.001494	0.1093	0.634	0.519	1 Mcy	UBE2N
LUZP2. 3	0.001495	-0.12827	0.007	0.049	1 Mcy	LUZP2
CMTR2. 2	0.0015	-0.17776	0.073	0.14	1 Mcy	CMTR2
LRRK2. 5	0.001503	0.119793	0.106	0.059	1 Mcy	LRRK2
ARRDC3. 1	0.001508	-0.22718	0.223	0.303	1 Mcy	ARRDC3
RP11-620J	0.001516	-0.26993	0.19	0.271	1 Mcy	RP11-620J15. 3
HOXA9. 2	0.001517	-0.1228	0	0.036	1 Mcy	HOXA9
ZNF738. 6	0.001518	-0.16057	0.077	0.145	1 Mcy	ZNF738
ARL16. 3	0.00152	-0.17486	0.231	0.321	1 Mcy	ARL16
TMEM160. 5	0.001521	0.139958	0.582	0.463	1 Mcy	TMEM160
RBM5. 3	0.001524	-0.25022	0.201	0.28	1 Mcy	RBM5
SPRED1. 3	0.001529	0.144231	0.271	0.199	1 Mcy	SPRED1

Clorf35.5	0.001536	0.177321	0.341	0.262	1 Mcy	Clorf35
STRN4.4	0.001536	-0.10822	0.059	0.125	1 Mcy	STRN4
TRMT112.3	0.001536	0.106445	0.846	0.703	1 Mcy	TRMT112
CPEB2.2	0.001537	-0.13854	0.022	0.072	1 Mcy	CPEB2
MAP2K4.1	0.001539	-0.1163	0.04	0.099	1 Mcy	MAP2K4
TCEA1.2	0.001542	-0.25952	0.462	0.485	1 Mcy	TCEA1
ATP5EP2.4	0.001543	0.1558	0.52	0.445	1 Mcy	ATP5EP2
CAHM.5	0.001544	-0.15849	0.037	0.093	1 Mcy	CAHM
ZNF408.3	0.001555	-0.14682	0.026	0.077	1 Mcy	ZNF408
RAB3GAP2.	0.001557	-0.10843	0.099	0.172	1 Mcy	RAB3GAP2
CCDC142.2	0.001559	-0.15421	0.018	0.065	1 Mcy	CCDC142
DPP9.1	0.001564	0.119657	0.19	0.127	1 Mcy	DPP9
MTRNR2L8.	0.001565	0.125481	0.267	0.189	1 Mcy	MTRNR2L8
EML3.2	0.001567	0.126403	0.172	0.113	1 Mcy	EML3
POLG.3	0.001569	0.122386	0.15	0.095	1 Mcy	POLG
CNTN2.4	0.001573	-0.26461	0.004	0.042	1 Mcy	CNTN2
USP20	0.001573	-0.12937	0.007	0.048	1 Mcy	USP20
CLNS1A.4	0.001576	0.117034	0.608	0.489	1 Mcy	CLNS1A
CPNE2.6	0.001579	-0.20244	0.106	0.179	1 Mcy	CPNE2
ARMCX5.3	0.00158	-0.17056	0.026	0.076	1 Mcy	ARMCX5
HOXC10.4	0.001582	-0.1274	0.011	0.055	1 Mcy	HOXC10
ZHX1.5	0.001586	-0.19307	0.136	0.211	1 Mcy	ZHX1
ARL14EP.2	0.001595	-0.19795	0.106	0.183	1 Mcy	ARL14EP
PLXNA3.2	0.001596	-0.12631	0.018	0.067	1 Mcy	PLXNA3
GNG3.4	0.001602	-0.26422	0.026	0.075	1 Mcy	GNG3
ZNF620.3	0.001605	-0.1238	0.015	0.06	1 Mcy	ZNF620
ARID4A.2	0.001606	-0.23167	0.198	0.277	1 Mcy	ARID4A
PHF23.4	0.001608	-0.23645	0.136	0.209	1 Mcy	PHF23
CUEDC1.5	0.001609	-0.15805	0.055	0.116	1 Mcy	CUEDC1
SUSD4.3	0.001611	-0.13237	0.004	0.042	1 Mcy	SUSD4
RP11-398K	0.001615	-0.12455	0.026	0.077	1 Mcy	RP11-398K22.12
CDC37L1.4	0.001617	-0.2063	0.073	0.14	1 Mcy	CDC37L1
SPIN2B.4	0.001626	-0.10732	0.048	0.108	1 Mcy	SPIN2B
ILF2.3	0.001626	0.108564	0.7	0.571	1 Mcy	ILF2
SALL2	0.001634	-0.1168	0.004	0.042	1 Mcy	SALL2
RGS11.3	0.001641	-0.11758	0.007	0.048	1 Mcy	RGS11
PSD2.3	0.001647	-0.12888	0.004	0.042	1 Mcy	PSD2
SMOC1.2	0.001648	-0.15376	0	0.035	1 Mcy	SMOC1
KLHDC3.4	0.00165	0.169635	0.462	0.36	1 Mcy	KLHDC3
DNAJC27-A	0.001656	-0.11115	0.004	0.042	1 Mcy	DNAJC27-AS1
GPC6.3	0.00166	-0.12274	0.004	0.042	1 Mcy	GPC6
CARF.4	0.001668	-0.12826	0.026	0.078	1 Mcy	CARF
TMEM261.1	0.001671	0.103573	0.447	0.358	1 Mcy	TMEM261
RUNX1T1.3	0.001671	-0.102	0	0.035	1 Mcy	RUNX1T1
NLN.4	0.001679	-0.20827	0.114	0.187	1 Mcy	NLN
RAB11B.4	0.001679	-0.22686	0.465	0.505	1 Mcy	RAB11B
TRIM28.4	0.001684	0.167573	0.33	0.248	1 Mcy	TRIM28
MYLK.3	0.00169	-0.19983	0.015	0.06	1 Mcy	MYLK
JRKL.2	0.0017	-0.12116	0.026	0.077	1 Mcy	JRKL
IPO7.3	0.001702	0.114951	0.286	0.21	1 Mcy	IPO7
ZNF471.1	0.001706	-0.10018	0.004	0.042	1 Mcy	ZNF471

RP11-195F	0.001707	-0.17673	0.037	0.092	1 Mcy	RP11-195F19.5
CTC-459F4	0.001707	-0.11489	0.018	0.066	1 Mcy	CTC-459F4.3
ABCA5.3	0.001715	-0.11665	0.033	0.088	1 Mcy	ABCA5
ZFAND3.2	0.001716	-0.23969	0.198	0.274	1 Mcy	ZFAND3
WDR11.2	0.001718	0.107969	0.165	0.105	1 Mcy	WDR11
ABT1.1	0.001722	0.124338	0.289	0.214	1 Mcy	ABT1
FLYWCH1.1	0.001727	-0.14855	0.044	0.102	1 Mcy	FLYWCH1
SREK1.5	0.001734	0.159031	0.407	0.321	1 Mcy	SREK1
NOP56.2	0.001736	0.11039	0.527	0.411	1 Mcy	NOP56
GS1-124K5	0.001739	-0.10832	0.004	0.042	1 Mcy	GS1-124K5.11
SP9.5	0.00174	-0.14896	0.004	0.041	1 Mcy	SP9
FANCF.4	0.001742	-0.10455	0.037	0.093	1 Mcy	FANCF
LINC00237	0.001742	-0.10371	0	0.035	1 Mcy	LINC00237
CNDP1.4	0.001742	-0.2693	0	0.035	1 Mcy	CNDP1
PLSCR4.3	0.001754	-0.11792	0.007	0.048	1 Mcy	PLSCR4
ALYREF.6	0.001764	0.204726	0.205	0.144	1 Mcy	ALYREF
HBA2.4	0.001773	-0.1144	0.297	0.195	1 Mcy	HBA2
ZNF713.1	0.001775	-0.10343	0.007	0.048	1 Mcy	ZNF713
TBC1D17.2	0.00178	-0.1769	0.088	0.157	1 Mcy	TBC1D17
RBMX.4	0.001783	0.119906	0.703	0.563	1 Mcy	RBMX
PPP1R37.4	0.001788	-0.14053	0.07	0.136	1 Mcy	PPP1R37
CDK5R2.3	0.001791	-0.12508	0	0.035	1 Mcy	CDK5R2
HOXC8.2	0.001791	-0.12886	0	0.035	1 Mcy	HOXC8
MIR7-3HG.	0.001791	-0.18025	0	0.035	1 Mcy	MIR7-3HG
ELP6.4	0.001798	0.11596	0.289	0.213	1 Mcy	ELP6
SRBD1.2	0.001799	0.110996	0.136	0.084	1 Mcy	SRBD1
FAM219B.3	0.001799	-0.11728	0.081	0.151	1 Mcy	FAM219B
CTD-3074C	0.001801	-0.13439	0.015	0.06	1 Mcy	CTD-307407.5
USP3.5	0.001801	0.121729	0.234	0.164	1 Mcy	USP3
PCED1A.3	0.001809	-0.12157	0.066	0.132	1 Mcy	PCED1A
ZNF30	0.001818	-0.10277	0.004	0.041	1 Mcy	ZNF30
SCAMP4.4	0.001823	-0.18573	0.187	0.27	1 Mcy	SCAMP4
SREBF2.3	0.001825	-0.1377	0.059	0.121	1 Mcy	SREBF2
RNASEK.1	0.001829	0.118853	0.128	0.078	1 Mcy	RNASEK
ZNF250.3	0.00183	-0.12741	0.029	0.082	1 Mcy	ZNF250
MTA3	0.00183	-0.15606	0.029	0.081	1 Mcy	MTA3
YPEL4.1	0.001833	-0.1393	0.004	0.041	1 Mcy	YPEL4
DMTF1.4	0.001847	-0.15605	0.081	0.15	1 Mcy	DMTF1
ACVR1.1	0.00185	-0.1335	0.022	0.07	1 Mcy	ACVR1
MAPK7.3	0.001861	-0.156	0.062	0.126	1 Mcy	MAPK7
BMI1.4	0.001863	-0.13083	0.073	0.141	1 Mcy	BMI1
GORAB.6	0.001881	-0.1256	0.026	0.076	1 Mcy	GORAB
PRKACB.3	0.001892	-0.28404	0.147	0.217	1 Mcy	PRKACB
ANTXR1.4	0.001892	-0.11002	0.037	0.092	1 Mcy	ANTXR1
ARGLU1.5	0.001896	-0.21991	0.44	0.469	1 Mcy	ARGLU1
ZNF548.1	0.001915	-0.18023	0.022	0.07	1 Mcy	ZNF548
COL18A1.1	0.001918	-0.1019	0.011	0.054	1 Mcy	COL18A1
MAST4.3	0.001924	-0.14342	0.011	0.053	1 Mcy	MAST4
ZMAT3.3	0.001926	-0.2204	0.128	0.204	1 Mcy	ZMAT3
C18orf32	0.001928	-0.20057	0.154	0.238	1 Mcy	C18orf32
THRB	0.001929	-0.10186	0.004	0.041	1 Mcy	THRB

LLGL1.5	0.00193	-0.15227	0.044	0.101	1 Mcy	LLGL1
HEXIM2.2	0.001945	-0.12624	0.029	0.082	1 Mcy	HEXIM2
ZNF800.3	0.001946	-0.15951	0.11	0.184	1 Mcy	ZNF800
RP11-115C	0.001949	-0.15349	0.033	0.087	1 Mcy	RP11-115C21.2
SPSB1.2	0.001949	-0.15859	0.022	0.07	1 Mcy	SPSB1
TMBIM6.2	0.001952	-0.16831	0.879	0.837	1 Mcy	TMBIM6
RP11-182L	0.001953	-0.1286	0.022	0.07	1 Mcy	RP11-182L21.6
PLEKHJ1.3	0.001959	0.11339	0.465	0.364	1 Mcy	PLEKHJ1
DOK4.4	0.001969	-0.10833	0.007	0.047	1 Mcy	DOK4
DUSP3.3	0.001973	0.150968	0.242	0.174	1 Mcy	DUSP3
IDH3G.4	0.001975	0.117132	0.509	0.4	1 Mcy	IDH3G
NDUFA4L2.	0.001977	-0.15303	0.004	0.041	1 Mcy	NDUFA4L2
TCF7.3	0.00199	-0.19537	0.077	0.141	1 Mcy	TCF7
COPZ2.1	0.001992	0.172664	0.095	0.054	1 Mcy	COPZ2
LEMD1.3	0.002002	-0.12589	0.007	0.047	1 Mcy	LEMD1
ADNP.5	0.002005	-0.2066	0.121	0.195	1 Mcy	ADNP
HPS5.4	0.002018	0.128403	0.172	0.113	1 Mcy	HPS5
MTURN.3	0.002024	-0.15939	0.029	0.08	1 Mcy	MTURN
HOXB3.2	0.002029	-0.11641	0	0.034	1 Mcy	HOXB3
BCL11B.3	0.002029	-0.13438	0	0.034	1 Mcy	BCL11B
SPOCK3.4	0.002029	-0.23898	0	0.034	1 Mcy	SPOCK3
ABHD17A.5	0.002038	-0.23705	0.165	0.237	1 Mcy	ABHD17A
MAL.5	0.002047	-0.2628	0.004	0.04	1 Mcy	MAL
ARID1B.4	0.002054	-0.17445	0.066	0.129	1 Mcy	ARID1B
CAB39L.4	0.002054	-0.14432	0.026	0.075	1 Mcy	CAB39L
DNAJC6.3	0.002055	-0.12057	0.011	0.053	1 Mcy	DNAJC6
ZNF345.1	0.002055	-0.10268	0.011	0.053	1 Mcy	ZNF345
GFPT2.3	0.002061	-0.12769	0.011	0.053	1 Mcy	GFPT2
PACSIN3.4	0.002068	-0.10146	0.022	0.07	1 Mcy	PACSIN3
ATRN.2	0.002072	-0.12934	0.062	0.126	1 Mcy	ATRN
AQP1.1	0.002074	-0.16107	0.007	0.046	1 Mcy	AQP1
ARMC9.3	0.002096	-0.10537	0.022	0.071	1 Mcy	ARMC9
LINC00526	0.0021	-0.14175	0.029	0.081	1 Mcy	LINC00526
SLC25A22.	0.002102	-0.13118	0.055	0.115	1 Mcy	SLC25A22
LTV1.2	0.002102	0.138661	0.253	0.184	1 Mcy	LTV1
RCOR2.4	0.002108	-0.11813	0.007	0.047	1 Mcy	RCOR2
CCDC90B.5	0.002111	-0.26715	0.344	0.41	1 Mcy	CCDC90B
SF1.3	0.002117	-0.22075	0.473	0.508	1 Mcy	SF1
FPGS.2	0.002128	0.114792	0.212	0.148	1 Mcy	FPGS
TSEN2.5	0.002146	-0.16628	0.037	0.09	1 Mcy	TSEN2
ZNF500.1	0.002148	-0.13199	0.022	0.07	1 Mcy	ZNF500
TMC7.1	0.002155	-0.11481	0.007	0.046	1 Mcy	TMC7
KDELR2.3	0.002158	0.102369	0.703	0.565	1 Mcy	KDELR2
HAPLN2.4	0.002175	-0.16812	0	0.033	1 Mcy	HAPLN2
ADCK3.2	0.00218	-0.1635	0.066	0.13	1 Mcy	ADCK3
ARRDC4.1	0.002185	-0.13037	0.022	0.069	1 Mcy	ARRDC4
KLF15.2	0.002188	-0.11214	0.004	0.04	1 Mcy	KLF15
SEC22C.4	0.002195	0.12382	0.3	0.226	1 Mcy	SEC22C
CDK18.3	0.002203	-0.23431	0.029	0.079	1 Mcy	CDK18
LINC01023	0.002204	-0.11576	0.018	0.064	1 Mcy	LINC01023
ZNF415	0.002205	-0.1098	0	0.033	1 Mcy	ZNF415

NEK9	0.002212	0.161853	0.103	0.059	1 Mcy	NEK9
RP11-544A	0.002213	-0.18666	0.033	0.084	1 Mcy	RP11-544A12.8
U2AF1L4.3	0.002234	-0.32946	0.128	0.198	1 Mcy	U2AF1L4
LCAT	0.002236	-0.10344	0	0.033	1 Mcy	LCAT
TLE4.3	0.002247	-0.2375	0.099	0.165	1 Mcy	TLE4
DCAF11.3	0.002269	0.15242	0.256	0.189	1 Mcy	DCAF11
ZFPL1.3	0.002271	-0.2356	0.161	0.237	1 Mcy	ZFPL1
HSD17B10.	0.002275	0.132849	0.608	0.493	1 Mcy	HSD17B10
MTA1.4	0.002278	-0.20129	0.121	0.192	1 Mcy	MTA1
ANKRD46.4	0.002278	-0.20093	0.092	0.158	1 Mcy	ANKRD46
IMPACT.2	0.002279	0.135675	0.227	0.161	1 Mcy	IMPACT
RAD54L2.3	0.00228	-0.18813	0.051	0.108	1 Mcy	RAD54L2
DDX25.3	0.002289	-0.1029	0.004	0.04	1 Mcy	DDX25
IRF9.2	0.00229	-0.21508	0.04	0.094	1 Mcy	IRF9
BPTF.4	0.002292	-0.22087	0.245	0.312	1 Mcy	BPTF
HSPA13.5	0.002297	-0.23244	0.132	0.201	1 Mcy	HSPA13
AZGP1.4	0.002305	-0.23447	0.015	0.058	1 Mcy	AZGP1
RP5-1177M	0.002308	-0.18161	0.007	0.046	1 Mcy	RP5-1177M21.1
KLHL12.2	0.002309	-0.21477	0.066	0.126	1 Mcy	KLHL12
ZNF880.2	0.002317	-0.18058	0.081	0.146	1 Mcy	ZNF880
HSD17B14.	0.002318	-0.2437	0.04	0.093	1 Mcy	HSD17B14
CEP68.2	0.002338	-0.2266	0.088	0.153	1 Mcy	CEP68
GAS8.2	0.002344	-0.11028	0.022	0.07	1 Mcy	GAS8
IL33.4	0.002345	-0.12582	0.007	0.046	1 Mcy	IL33
CPT2.2	0.002346	0.13562	0.168	0.109	1 Mcy	CPT2
NECAP1.3	0.002357	-0.24271	0.128	0.2	1 Mcy	NECAP1
TSC2.3	0.002358	-0.17734	0.073	0.137	1 Mcy	TSC2
EMILIN3.2	0.002363	-0.10248	0	0.033	1 Mcy	EMILIN3
LRFN4.2	0.002367	-0.10289	0.026	0.074	1 Mcy	LRFN4
DLX6-AS1.	0.002367	-0.58101	0.077	0.131	1 Mcy	DLX6-AS1
ADAM9.4	0.002384	0.10119	0.432	0.327	1 Mcy	ADAM9
WDR55.2	0.002385	0.111197	0.176	0.116	1 Mcy	WDR55
PHRF1.3	0.002387	0.117874	0.132	0.082	1 Mcy	PHRF1
UBXN6.3	0.002391	-0.17512	0.22	0.301	1 Mcy	UBXN6
FGF14-AS2	0.002393	-0.10382	0.011	0.052	1 Mcy	FGF14-AS2
XXYLT1.4	0.002396	-0.13104	0.066	0.128	1 Mcy	XXYLT1
HDX	0.002399	-0.10863	0.004	0.039	1 Mcy	HDX
AC093673.	0.002401	-0.20128	0.11	0.18	1 Mcy	AC093673.5
CDC42EP3.	0.002415	-0.21919	0.066	0.126	1 Mcy	CDC42EP3
BLOC1S4.6	0.002417	-0.17803	0.172	0.245	1 Mcy	BLOC1S4
KRT7.3	0.002431	-0.14054	0.004	0.04	1 Mcy	KRT7
KIFC2.2	0.002443	-0.1126	0.022	0.069	1 Mcy	KIFC2
COPE.3	0.002444	-0.12119	0.832	0.769	1 Mcy	COPE
ABHD17B.6	0.002448	-0.20627	0.066	0.126	1 Mcy	ABHD17B
KDM3A	0.002457	-0.15935	0.048	0.103	1 Mcy	KDM3A
HAP1.3	0.002466	-0.12881	0.022	0.069	1 Mcy	HAP1
GEMIN6.2	0.002468	0.141071	0.223	0.161	1 Mcy	GEMIN6
FABP6.5	0.002483	-0.14768	0.004	0.039	1 Mcy	FABP6
UACA.1	0.002484	0.105605	0.11	0.065	1 Mcy	UACA
TMEM231.4	0.002491	-0.11249	0.018	0.063	1 Mcy	TMEM231
LMBRD1.3	0.002494	-0.26591	0.147	0.218	1 Mcy	LMBRD1

CA10.3	0.002498	-0.13285	0	0.032	1 Mcy	CA10
MIEF2.2	0.002508	-0.1053	0.018	0.063	1 Mcy	MIEF2
STAU2.4	0.002508	-0.22142	0.106	0.175	1 Mcy	STAU2
ANAPC1	0.002514	0.103289	0.11	0.065	1 Mcy	ANAPC1
PNRC1.6	0.002523	-0.21845	0.513	0.541	1 Mcy	PNRC1
TMEM150C.	0.002529	-0.10037	0.007	0.046	1 Mcy	TMEM150C
SLC30A9.5	0.00253	-0.17772	0.172	0.254	1 Mcy	SLC30A9
ADAMTS4.3	0.002533	-0.16417	0	0.032	1 Mcy	ADAMTS4
LIN7B.4	0.002533	-0.14641	0.062	0.124	1 Mcy	LIN7B
FAM213A.4	0.002549	-0.26016	0.3	0.384	1 Mcy	FAM213A
VCL.2	0.002567	-0.12728	0.044	0.1	1 Mcy	VCL
C15orf57.	0.002571	0.122278	0.183	0.123	1 Mcy	C15orf57
NPRL3.3	0.002579	-0.20662	0.121	0.192	1 Mcy	NPRL3
FAM179B.4	0.002586	-0.12652	0.059	0.12	1 Mcy	FAM179B
YPEL1.6	0.002592	-0.1203	0.04	0.095	1 Mcy	YPEL1
KIAA0232.	0.002599	-0.12912	0.084	0.153	1 Mcy	KIAA0232
RAB3C.2	0.002599	-0.12397	0.004	0.039	1 Mcy	RAB3C
RP11-480C	0.002604	-0.10889	0	0.032	1 Mcy	RP11-480C16.1
SLC24A2.4	0.002604	-0.16574	0	0.032	1 Mcy	SLC24A2
DPY19L4.3	0.002619	-0.12995	0.04	0.095	1 Mcy	DPY19L4
IDE	0.002642	0.106602	0.073	0.038	1 Mcy	IDE
LYRM1.5	0.002643	-0.23152	0.114	0.185	1 Mcy	LYRM1
TTC21A	0.002644	-0.10349	0.004	0.039	1 Mcy	TTC21A
MAP2K7.2	0.002651	-0.2018	0.125	0.197	1 Mcy	MAP2K7
FAM73A.1	0.002658	-0.15486	0.037	0.089	1 Mcy	FAM73A
PHOSPHO2.	0.002665	-0.13518	0.007	0.045	1 Mcy	PHOSPHO2
ZNF354A.3	0.002667	-0.17834	0.062	0.122	1 Mcy	ZNF354A
NECAB3.2	0.002694	-0.10682	0.044	0.099	1 Mcy	NECAB3
LYPLA1.3	0.002697	0.108724	0.502	0.405	1 Mcy	LYPLA1
C7orf60	0.002701	-0.1558	0.026	0.073	1 Mcy	C7orf60
C5orf51.1	0.002702	-0.1334	0.04	0.094	1 Mcy	C5orf51
MKRN3.3	0.002704	-0.11338	0.007	0.045	1 Mcy	MKRN3
COL4A5.2	0.002715	-0.10652	0	0.032	1 Mcy	COL4A5
RP11-676J	0.002715	-0.1144	0	0.032	1 Mcy	RP11-676J15.1
KLHL24.3	0.002716	-0.24678	0.114	0.18	1 Mcy	KLHL24
CASD1.4	0.002723	-0.11666	0.029	0.078	1 Mcy	CASD1
TMEM79.1	0.00273	-0.11975	0.015	0.057	1 Mcy	TMEM79
NUDT10.3	0.00274	-0.11028	0.011	0.051	1 Mcy	NUDT10
COG8.3	0.002746	-0.14869	0.04	0.093	1 Mcy	COG8
MAPKAPK5-	0.00275	-0.15094	0.147	0.225	1 Mcy	MAPKAPK5-AS1
MOG.4	0.002753	-0.25136	0	0.032	1 Mcy	MOG
DYRK2.1	0.00278	-0.10675	0.015	0.057	1 Mcy	DYRK2
PRR3.3	0.002813	-0.14205	0.048	0.104	1 Mcy	PRR3
ADCK2.4	0.00282	0.176646	0.198	0.138	1 Mcy	ADCK2
KLK6.4	0.00283	-0.2669	0	0.032	1 Mcy	KLK6
SYT5.4	0.002835	-0.13682	0.007	0.044	1 Mcy	SYT5
RRAGB.3	0.002855	-0.16854	0.055	0.112	1 Mcy	RRAGB
KLHL28.4	0.002862	-0.20885	0.062	0.12	1 Mcy	KLHL28
LRRC37B.4	0.002863	-0.11968	0.055	0.114	1 Mcy	LRRC37B
ZNF627.3	0.002865	-0.13136	0.029	0.078	1 Mcy	ZNF627
SRCIN1.4	0.002869	-0.13858	0	0.032	1 Mcy	SRCIN1

MYRF. 4	0.002869	-0.18483	0	0.032	1 Mcy	MYRF
ACAD8. 3	0.002889	-0.22721	0.117	0.184	1 Mcy	ACAD8
RORB. 3	0.00289	-0.11913	0.004	0.039	1 Mcy	RORB
SNHG7. 3	0.00289	-0.26158	0.286	0.347	1 Mcy	SNHG7
CLVS1. 2	0.00291	-0.11763	0	0.031	1 Mcy	CLVS1
IL13RA2. 5	0.00291	-0.22368	0.015	0.056	1 Mcy	IL13RA2
STRBP. 6	0.002921	-0.12162	0.066	0.128	1 Mcy	STRBP
EMID1. 4	0.002928	-0.10476	0.026	0.073	1 Mcy	EMID1
ZNF582-AS	0.002946	-0.17908	0.029	0.078	1 Mcy	ZNF582-AS1
ABHD15. 5	0.002948	0.100216	0.099	0.057	1 Mcy	ABHD15
DGCR2. 3	0.002951	-0.12625	0.088	0.154	1 Mcy	DGCR2
PDIA5. 1	0.00296	0.106667	0.114	0.069	1 Mcy	PDIA5
POLR3D. 4	0.002965	-0.1626	0.066	0.127	1 Mcy	POLR3D
ARIH2OS. 1	0.002969	-0.1046	0.022	0.068	1 Mcy	ARIH2OS
SECISBP2. 0	0.002978	-0.23585	0.179	0.255	1 Mcy	SECISBP2
AARSD1. 3	0.002982	-0.19102	0.051	0.106	1 Mcy	AARSD1
TNP02. 4	0.002983	-0.13839	0.106	0.181	1 Mcy	TNP02
NONO. 5	0.002989	0.119262	0.557	0.453	1 Mcy	NONO
C19orf43. 0	0.003	-0.1127	0.714	0.672	1 Mcy	C19orf43
ABCD3. 4	0.003005	-0.14631	0.128	0.197	1 Mcy	ABCD3
PIFO. 4	0.003027	-0.20835	0.011	0.05	1 Mcy	PIFO
DNAJB4. 2	0.003029	-0.27182	0.07	0.127	1 Mcy	DNAJB4
CACNA2D1. 0	0.003033	-0.10421	0	0.031	1 Mcy	CACNA2D1
HOXA-AS2. 0	0.003037	-0.13547	0.004	0.038	1 Mcy	HOXA-AS2
GATAD2B. 4	0.00304	-0.21723	0.099	0.162	1 Mcy	GATAD2B
NECAB1. 5	0.003049	-0.15606	0.004	0.038	1 Mcy	NECAB1
NBEA. 2	0.003059	-0.11677	0.011	0.05	1 Mcy	NBEA
GTF2H2C. 3	0.003065	-0.15886	0.037	0.088	1 Mcy	GTF2H2C
ZNF581. 2	0.003066	-0.20366	0.106	0.175	1 Mcy	ZNF581
CSNK1G3. 4	0.003066	-0.18874	0.092	0.154	1 Mcy	CSNK1G3
WFDC2. 2	0.003076	-0.10705	0	0.031	1 Mcy	WFDC2
C8orf82. 4	0.003105	-0.17769	0.106	0.172	1 Mcy	C8orf82
RP11-126K	0.003106	-0.14487	0.04	0.093	1 Mcy	RP11-126K1. 6
IFNAR2. 4	0.003115	0.106595	0.271	0.198	1 Mcy	IFNAR2
RERE. 5	0.003126	-0.16588	0.139	0.212	1 Mcy	RERE
IP6K1. 3	0.00313	-0.17154	0.088	0.153	1 Mcy	IP6K1
CBX7. 2	0.00314	-0.19382	0.026	0.072	1 Mcy	CBX7
WDR90	0.003141	0.104222	0.062	0.031	1 Mcy	WDR90
AGO3. 2	0.003145	-0.22425	0.125	0.194	1 Mcy	AGO3
CHPT1. 4	0.003159	-0.2372	0.242	0.304	1 Mcy	CHPT1
SLC44A3. 2	0.003162	-0.11688	0	0.031	1 Mcy	SLC44A3
ST6GAL2. 3	0.003163	-0.10623	0.004	0.038	1 Mcy	ST6GAL2
WARS2. 1	0.003167	0.143221	0.099	0.058	1 Mcy	WARS2
TNIP2. 2	0.003172	0.174978	0.227	0.163	1 Mcy	TNIP2
TBC1D2. 1	0.003181	0.168307	0.062	0.031	1 Mcy	TBC1D2
SGSM2. 2	0.003182	-0.10344	0.048	0.104	1 Mcy	SGSM2
PHB. 4	0.003193	0.102209	0.714	0.551	1 Mcy	PHB
LINC00882	0.003206	-0.12797	0	0.031	1 Mcy	LINC00882
RAB1A. 2	0.003211	-0.19525	0.604	0.62	1 Mcy	RAB1A
HSPB6. 5	0.003215	-0.14009	0.018	0.061	1 Mcy	HSPB6
NDUFA13. 3	0.003217	-0.1524	0.842	0.77	1 Mcy	NDUFA13



SH2B1. 2	0. 00322	-0. 13103	0. 084	0. 151	1 Mcy	SH2B1
C5orf56. 5	0. 003231	-0. 17341	0. 055	0. 113	1 Mcy	C5orf56
MAP4K5. 4	0. 003236	-0. 19031	0. 092	0. 156	1 Mcy	MAP4K5
LPIN1. 3	0. 003242	-0. 19621	0. 077	0. 138	1 Mcy	LPIN1
LHX1. 2	0. 003251	-0. 12036	0	0. 031	1 Mcy	LHX1
CEP78. 5	0. 003254	0. 114099	0. 168	0. 112	1 Mcy	CEP78
NBPF10. 2	0. 003255	-0. 17049	0. 084	0. 147	1 Mcy	NBPF10
RNF187. 4	0. 003256	-0. 26121	0. 326	0. 379	1 Mcy	RNF187
SPTSSB. 3	0. 003272	-0. 1322	0. 004	0. 038	1 Mcy	SPTSSB
TMEM5. 4	0. 003296	-0. 1397	0. 139	0. 21	1 Mcy	TMEM5
SERTAD2. 2	0. 003308	-0. 15777	0. 062	0. 122	1 Mcy	SERTAD2
PCOLCE. 5	0. 00331	-0. 19303	0. 033	0. 082	1 Mcy	PCOLCE
MLF1. 3	0. 003319	-0. 25994	0. 168	0. 243	1 Mcy	MLF1
PACRG. 3	0. 003321	-0. 12762	0. 004	0. 037	1 Mcy	PACRG
ALKBH3. 1	0. 003341	0. 111839	0. 209	0. 146	1 Mcy	ALKBH3
C6orf141. 0	0. 003343	-0. 12313	0	0. 031	1 Mcy	C6orf141
STARD3. 1	0. 003355	0. 113542	0. 33	0. 253	1 Mcy	STARD3
CAMKMT. 3	0. 003397	-0. 17742	0. 029	0. 076	1 Mcy	CAMKMT
BTG2. 4	0. 003398	-0. 33207	0. 432	0. 468	1 Mcy	BTG2
PRNP. 3	0. 003415	-0. 28543	0. 425	0. 466	1 Mcy	PRNP
DVL2. 4	0. 003417	-0. 17631	0. 11	0. 178	1 Mcy	DVL2
KIAA1143. 0	0. 003417	0. 165832	0. 282	0. 209	1 Mcy	KIAA1143
MDM4. 3	0. 003436	-0. 2385	0. 176	0. 248	1 Mcy	MDM4
RABL2A. 3	0. 00344	-0. 12077	0. 029	0. 078	1 Mcy	RABL2A
ZNF561. 2	0. 003441	-0. 14975	0. 055	0. 112	1 Mcy	ZNF561
BTBD10. 4	0. 003476	-0. 2108	0. 117	0. 183	1 Mcy	BTBD10
ERGIC3. 3	0. 003476	-0. 15779	0. 593	0. 575	1 Mcy	ERGIC3
CMYA5. 3	0. 003485	-0. 10209	0	0. 03	1 Mcy	CMYA5
BAZ2A. 1	0. 003491	-0. 12414	0. 117	0. 191	1 Mcy	BAZ2A
BACE2. 5	0. 003497	-0. 10702	0. 015	0. 055	1 Mcy	BACE2
GOPC. 4	0. 003508	-0. 20012	0. 183	0. 26	1 Mcy	GOPC
CCDC74A. 3	0. 003519	-0. 1085	0. 011	0. 049	1 Mcy	CCDC74A
INO80B. 1	0. 00352	-0. 12095	0. 026	0. 071	1 Mcy	INO80B
DNAJB5. 1	0. 003528	-0. 13272	0. 033	0. 081	1 Mcy	DNAJB5
QPRT. 2	0. 003529	0. 13235	0. 172	0. 114	1 Mcy	QPRT
NEUROD2. 2	0. 003533	-0. 13409	0	0. 03	1 Mcy	NEUROD2
TRIM44. 5	0. 003536	-0. 26248	0. 223	0. 288	1 Mcy	TRIM44
ERCC6L2. 2	0. 003557	-0. 1274	0. 037	0. 087	1 Mcy	ERCC6L2
TMEM181. 6	0. 003566	-0. 15383	0. 099	0. 165	1 Mcy	TMEM181
NPEPPS. 2	0. 003576	-0. 2281	0. 158	0. 226	1 Mcy	NPEPPS
PSORS1C1. 0	0. 003596	-0. 12494	0. 004	0. 037	1 Mcy	PSORS1C1
ARHGEF7. 4	0. 0036	-0. 19588	0. 095	0. 159	1 Mcy	ARHGEF7
PEX1. 2	0. 003614	-0. 13611	0. 033	0. 082	1 Mcy	PEX1
PRDM8. 1	0. 003633	-0. 1075	0	0. 03	1 Mcy	PRDM8
HYAL2. 6	0. 003656	-0. 14615	0. 154	0. 224	1 Mcy	HYAL2
PPID. 1	0. 003665	0. 119763	0. 278	0. 208	1 Mcy	PPID
DHX57. 3	0. 003673	-0. 14974	0. 044	0. 096	1 Mcy	DHX57
PIGA	0. 003677	0. 115556	0. 077	0. 041	1 Mcy	PIGA
GOLPH3L. 2	0. 003677	0. 24391	0. 125	0. 078	1 Mcy	GOLPH3L
HS2ST1. 5	0. 003692	-0. 16842	0. 106	0. 176	1 Mcy	HS2ST1
SCOC. 5	0. 003695	-0. 19145	0. 359	0. 415	1 Mcy	SCOC

DLG2. 3	0. 003696	-0. 14097	0. 011	0. 049	1 Mcy	DLG2
SMG6. 2	0. 003711	-0. 15686	0. 066	0. 124	1 Mcy	SMG6
SCN2A. 2	0. 003735	-0. 10913	0	0. 03	1 Mcy	SCN2A
CHM. 1	0. 003743	-0. 14071	0. 037	0. 086	1 Mcy	CHM
LINC00847	0. 003755	-0. 19636	0. 055	0. 11	1 Mcy	LINC00847
PALLD. 3	0. 003757	-0. 20137	0. 132	0. 2	1 Mcy	PALLD
TRAF3IP2. 0.	0. 003773	-0. 12953	0. 044	0. 097	1 Mcy	TRAF3IP2
KCTD20. 2	0. 003779	0. 146096	0. 256	0. 186	1 Mcy	KCTD20
SAMD4B. 3	0. 003784	-0. 17787	0. 15	0. 225	1 Mcy	SAMD4B
MT2A. 5	0. 003789	-0. 31749	0. 934	0. 78	1 Mcy	MT2A
CBX4. 6	0. 003807	-0. 10679	0. 059	0. 117	1 Mcy	CBX4
ZNF281. 3	0. 003815	-0. 20651	0. 121	0. 186	1 Mcy	ZNF281
DDX3Y. 2	0. 003817	-0. 11088	0. 037	0. 088	1 Mcy	DDX3Y
MOBP. 5	0. 003826	-0. 31	0. 004	0. 036	1 Mcy	MOBP
BMPER. 1	0. 003833	-0. 10056	0. 004	0. 036	1 Mcy	BMPER
POLI. 1	0. 00386	-0. 1551	0. 04	0. 091	1 Mcy	POLI
ZNF544. 3	0. 003865	-0. 19333	0. 066	0. 124	1 Mcy	ZNF544
EXOG. 5	0. 003866	-0. 15763	0. 092	0. 157	1 Mcy	EXOG
RP11-345J	0. 003872	0. 124165	0. 304	0. 233	1 Mcy	RP11-345J4. 5
DUS4L. 3	0. 003892	-0. 14317	0. 033	0. 08	1 Mcy	DUS4L
TFAP2B. 2	0. 003894	-0. 10808	0	0. 03	1 Mcy	TFAP2B
SOX10. 3	0. 003894	-0. 1655	0	0. 03	1 Mcy	SOX10
AC018647.	0. 003915	-0. 2148	0. 007	0. 042	1 Mcy	AC018647. 3
ZNF530. 4	0. 003921	-0. 10638	0. 018	0. 06	1 Mcy	ZNF530
BGN. 5	0. 003925	-0. 22886	0. 022	0. 066	1 Mcy	BGN
Clorf174.	0. 003926	0. 109589	0. 212	0. 153	1 Mcy	Clorf174
PID1. 3	0. 003927	-0. 18338	0. 062	0. 118	1 Mcy	PID1
TP53I13. 4	0. 00393	0. 122321	0. 319	0. 243	1 Mcy	TP53I13
PIK3R1. 4	0. 003938	-0. 2748	0. 245	0. 309	1 Mcy	PIK3R1
ZNF44. 2	0. 003943	-0. 15886	0. 051	0. 106	1 Mcy	ZNF44
WIPF2. 2	0. 003943	-0. 15767	0. 132	0. 203	1 Mcy	WIPF2
KIAA1324L	0. 003948	-0. 10937	0	0. 03	1 Mcy	KIAA1324L
CXXC1. 1	0. 003951	0. 139004	0. 234	0. 172	1 Mcy	CXXC1
TRIO. 5	0. 003963	-0. 12873	0. 103	0. 174	1 Mcy	TRIO
GAS2L3. 3	0. 003973	0. 172019	0. 11	0. 067	1 Mcy	GAS2L3
HDAC11. 2	0. 003977	-0. 15057	0. 022	0. 065	1 Mcy	HDAC11
NFAT5. 1	0. 004016	-0. 16708	0. 077	0. 138	1 Mcy	NFAT5
EIF6. 1	0. 004018	0. 106809	0. 634	0. 518	1 Mcy	EIF6
NXN. 3	0. 004062	-0. 10895	0. 004	0. 036	1 Mcy	NXN
TLK2. 1	0. 004071	-0. 14652	0. 066	0. 125	1 Mcy	TLK2
DGCR5. 2	0. 004116	-0. 10812	0	0. 029	1 Mcy	DGCR5
RP11-445F	0. 004116	-0. 12804	0	0. 029	1 Mcy	RP11-445F12. 1
NCOA6. 6	0. 004148	-0. 14136	0. 077	0. 137	1 Mcy	NCOA6
TTC26. 5	0. 004158	-0. 10816	0. 011	0. 049	1 Mcy	TTC26
SPHK2. 4	0. 004168	-0. 15957	0. 07	0. 13	1 Mcy	SPHK2
KIF2A. 6	0. 004179	-0. 24772	0. 172	0. 237	1 Mcy	KIF2A
CYLD. 4	0. 004193	0. 104893	0. 231	0. 163	1 Mcy	CYLD
NCBP1. 2	0. 004194	0. 122872	0. 128	0. 082	1 Mcy	NCBP1
ZNF395. 3	0. 004218	-0. 13114	0. 022	0. 065	1 Mcy	ZNF395
PLEKHM1. 2	0. 004218	0. 129315	0. 117	0. 073	1 Mcy	PLEKHM1
HERC4. 1	0. 004221	-0. 10694	0. 059	0. 116	1 Mcy	HERC4

IRS2. 2	0.004222	-0.26073	0.289	0.35	1 Mcy	IRS2
ELAVL1. 3	0.004225	0.138998	0.421	0.342	1 Mcy	ELAVL1
SYNJ2BP. 3	0.004243	0.111262	0.201	0.142	1 Mcy	SYNJ2BP
MFSD6. 3	0.004247	-0.12115	0.022	0.065	1 Mcy	MFSD6
SLC05A1. 4	0.00425	-0.13039	0.007	0.042	1 Mcy	SLC05A1
ZFPM2. 1	0.004291	-0.11853	0	0.029	1 Mcy	ZFPM2
KCTD7. 2	0.004295	-0.10204	0.018	0.06	1 Mcy	KCTD7
STIM2. 3	0.004313	-0.14092	0.095	0.163	1 Mcy	STIM2
THRAP3. 4	0.004319	0.102125	0.527	0.436	1 Mcy	THRAP3
NTPCR. 3	0.00432	0.145049	0.344	0.272	1 Mcy	NTPCR
ESF1. 4	0.004335	-0.26392	0.289	0.347	1 Mcy	ESF1
ZMYM2. 4	0.004342	-0.19114	0.136	0.206	1 Mcy	ZMYM2
NPPA. 4	0.004351	-0.14066	0	0.029	1 Mcy	NPPA
CARNS1. 4	0.004351	-0.21968	0	0.029	1 Mcy	CARNS1
NAPB. 2	0.004357	-0.15893	0.033	0.079	1 Mcy	NAPB
ZNF568. 4	0.004369	-0.17147	0.048	0.099	1 Mcy	ZNF568
RDH13. 2	0.004396	-0.11676	0.029	0.075	1 Mcy	RDH13
ALDH1L1. 5	0.004404	-0.19646	0.022	0.065	1 Mcy	ALDH1L1
PDLIM4. 4	0.004427	-0.25024	0.029	0.074	1 Mcy	PDLIM4
UBE3C. 3	0.004449	0.188834	0.161	0.109	1 Mcy	UBE3C
RICTOR. 3	0.00448	-0.20101	0.121	0.188	1 Mcy	RICTOR
GNG7. 5	0.004496	-0.22167	0.223	0.301	1 Mcy	GNG7
L1CAM. 3	0.004497	-0.12896	0.004	0.035	1 Mcy	L1CAM
SCAI. 3	0.004527	-0.15472	0.037	0.084	1 Mcy	SCAI
UNK. 1	0.004542	-0.15146	0.07	0.128	1 Mcy	UNK
LRRC24. 4	0.004542	-0.11832	0.026	0.07	1 Mcy	LRRC24
CCNL2. 4	0.004556	-0.21746	0.22	0.292	1 Mcy	CCNL2
BAIAP2-AS	0.004566	-0.10338	0.022	0.065	1 Mcy	BAIAP2-AS1
ZNF595. 3	0.004578	-0.1105	0.029	0.076	1 Mcy	ZNF595
ZC4H2. 3	0.004587	-0.13131	0.015	0.053	1 Mcy	ZC4H2
CLDN15. 4	0.004653	-0.11981	0.022	0.064	1 Mcy	CLDN15
FBX042	0.004662	-0.11914	0.048	0.1	1 Mcy	FBX042
UBA6-AS1.	0.004682	-0.14473	0.037	0.084	1 Mcy	UBA6-AS1
ENOSF1. 4	0.00469	0.164147	0.176	0.123	1 Mcy	ENOSF1
ZDHHC5. 1	0.004691	0.129395	0.103	0.061	1 Mcy	ZDHHC5
FOLR1. 3	0.004715	-0.18553	0.004	0.035	1 Mcy	FOLR1
ZNF136. 4	0.00472	-0.17609	0.048	0.098	1 Mcy	ZNF136
SMARCAL1	0.004739	0.10898	0.11	0.068	1 Mcy	SMARCAL1
CYSTM1. 5	0.004742	-0.29164	0.26	0.326	1 Mcy	CYSTM1
TOP1MT. 2	0.004778	-0.1191	0.029	0.074	1 Mcy	TOP1MT
DNAAF2. 5	0.004788	-0.1673	0.11	0.174	1 Mcy	DNAAF2
HDAC5. 2	0.004798	-0.16059	0.106	0.171	1 Mcy	HDAC5
MPV17	0.004819	0.113488	0.425	0.344	1 Mcy	MPV17
TMEM9. 6	0.004845	-0.2882	0.304	0.368	1 Mcy	TMEM9
CDK14. 2	0.004851	-0.12402	0.033	0.079	1 Mcy	CDK14
B3GAT2. 2	0.004857	-0.14123	0.037	0.084	1 Mcy	B3GAT2
TBL1XR1. 4	0.004886	0.138807	0.322	0.246	1 Mcy	TBL1XR1
RAB11FIP4	0.004886	-0.13806	0.007	0.041	1 Mcy	RAB11FIP4
GALE. 1	0.004906	0.131749	0.212	0.154	1 Mcy	GALE
KDM1A. 4	0.004915	-0.20629	0.139	0.205	1 Mcy	KDM1A
ESRRG	0.004931	-0.10121	0	0.028	1 Mcy	ESRRG

ARHGEF9.5	0.004954	-0.16348	0.066	0.121	1 Mcy	ARHGEF9
ARHGAP5.3	0.004971	-0.1877	0.128	0.196	1 Mcy	ARHGAP5
CD70	0.005015	0.117075	0.044	0.02	1 Mcy	CD70
ORMDL3.4	0.005053	-0.16025	0.07	0.128	1 Mcy	ORMDL3
FASN.6	0.005094	-0.1286	0.062	0.118	1 Mcy	FASN
RBM12B.2	0.005113	-0.11466	0.029	0.074	1 Mcy	RBM12B
MTMR9.4	0.00514	-0.17993	0.125	0.191	1 Mcy	MTMR9
NEK1.3	0.005143	-0.12949	0.07	0.128	1 Mcy	NEK1
DFFA.2	0.005152	0.115799	0.286	0.218	1 Mcy	DFFA
PRPF31.3	0.005158	0.11127	0.48	0.39	1 Mcy	PRPF31
FAM195B.2	0.00516	0.117049	0.11	0.067	1 Mcy	FAM195B
ZNF721.2	0.0052	-0.12177	0.088	0.15	1 Mcy	ZNF721
FBX016.1	0.005254	-0.10206	0.007	0.041	1 Mcy	FBX016
ACYP2.5	0.005258	-0.25671	0.238	0.314	1 Mcy	ACYP2
CA3.2	0.005279	-0.25128	0.007	0.041	1 Mcy	CA3
NME1.4	0.005282	0.123903	0.718	0.564	1 Mcy	NME1
PCSK2.2	0.005286	-0.11449	0	0.028	1 Mcy	PCSK2
ARX.5	0.005299	-0.12807	0.007	0.041	1 Mcy	ARX
SLC9A3R1.0	0.005309	-0.19542	0.092	0.151	1 Mcy	SLC9A3R1
ST6GALNAC	0.005324	-0.1436	0.092	0.155	1 Mcy	ST6GALNAC6
EHMT2.5	0.00533	-0.18372	0.136	0.202	1 Mcy	EHMT2
PHC1.4	0.005332	-0.12036	0.033	0.079	1 Mcy	PHC1
SERINC3.2	0.005342	-0.21286	0.3	0.367	1 Mcy	SERINC3
CH25H.3	0.005379	-0.12935	0.223	0.145	1 Mcy	CH25H
DCUN1D1.2	0.00539	0.127975	0.216	0.154	1 Mcy	DCUN1D1
NCBP2.4	0.005441	-0.16847	0.392	0.442	1 Mcy	NCBP2
NUDT16L1.0	0.005443	-0.17386	0.209	0.283	1 Mcy	NUDT16L1
PCSK1.3	0.005452	-0.13016	0.004	0.034	1 Mcy	PCSK1
ALS2.1	0.005479	-0.10631	0.018	0.058	1 Mcy	ALS2
SENP7.3	0.005493	-0.14596	0.04	0.088	1 Mcy	SENP7
VPS53.3	0.005517	-0.1269	0.095	0.161	1 Mcy	VPS53
LAMTOR5.3	0.00552	-0.17772	0.751	0.69	1 Mcy	LAMTOR5
SPATA2.2	0.005536	-0.1192	0.026	0.068	1 Mcy	SPATA2
SPIN1.4	0.005541	-0.19545	0.106	0.168	1 Mcy	SPIN1
SDHAF1.4	0.005581	-0.17355	0.114	0.178	1 Mcy	SDHAF1
RNASEH1-A	0.005589	-0.16698	0.114	0.179	1 Mcy	RNASEH1-AS1
LRRC28.1	0.005618	0.208083	0.139	0.093	1 Mcy	LRRC28
TDRD3.2	0.005625	-0.10381	0.044	0.094	1 Mcy	TDRD3
MGEA5.3	0.005658	-0.17034	0.165	0.234	1 Mcy	MGEA5
CDKN2D.6	0.005668	0.13952	0.22	0.158	1 Mcy	CDKN2D
PAQR7	0.005675	-0.11356	0.011	0.046	1 Mcy	PAQR7
DYNC2H1.2	0.00571	-0.1042	0.015	0.052	1 Mcy	DYNC2H1
MASP1.3	0.005712	-0.11127	0.007	0.041	1 Mcy	MASP1
SPAST.4	0.005732	-0.11621	0.059	0.113	1 Mcy	SPAST
PPP1R3C.1	0.005747	-0.10144	0	0.027	1 Mcy	PPP1R3C
PPP1R1C.3	0.005747	-0.11651	0	0.027	1 Mcy	PPP1R1C
PRCD.3	0.005762	-0.13947	0.004	0.034	1 Mcy	PRCD
STAP2.1	0.005802	-0.10023	0.007	0.04	1 Mcy	STAP2
TRIM13.4	0.005803	-0.13223	0.179	0.251	1 Mcy	TRIM13
PURB.1	0.005807	-0.16334	0.106	0.17	1 Mcy	PURB
TUT1	0.00581	-0.13285	0.026	0.068	1 Mcy	TUT1

MRFAP1L1.	0.005832	-0.19381	0.154	0.221	1 Mcy	MRFAP1L1
PHF21A. 2	0.005905	-0.10395	0.059	0.114	1 Mcy	PHF21A
ASCC1. 1	0.005924	0.141055	0.165	0.112	1 Mcy	ASCC1
C10orf35. 0.	0.005972	-0.1173	0.018	0.058	1 Mcy	C10orf35
TBC1D19. 2	0.005978	-0.11151	0.022	0.062	1 Mcy	TBC1D19
FSD1L. 2	0.005995	-0.10949	0.015	0.051	1 Mcy	FSD1L
AATK. 3	0.006004	-0.16822	0.004	0.034	1 Mcy	AATK
PEX10. 4	0.00601	-0.1572	0.128	0.194	1 Mcy	PEX10
C1orf198. 0.	0.006029	-0.18357	0.055	0.106	1 Mcy	C1orf198
TSGA10. 2	0.006061	-0.10949	0.022	0.063	1 Mcy	TSGA10
C1orf123. 0.	0.006067	0.123775	0.421	0.339	1 Mcy	C1orf123
ZNF669. 3	0.006075	-0.12692	0.048	0.097	1 Mcy	ZNF669
LINC01114	0.006087	-0.1059	0.004	0.034	1 Mcy	LINC01114
PEMT. 5	0.006087	-0.17711	0.143	0.214	1 Mcy	PEMT
BATF3. 1	0.006106	-0.11698	0.044	0.093	1 Mcy	BATF3
ATP1B1. 4	0.00611	-0.36246	0.183	0.236	1 Mcy	ATP1B1
MVB12A. 2	0.006118	0.144066	0.381	0.3	1 Mcy	MVB12A
CHCHD6. 4	0.006126	-0.20549	0.168	0.237	1 Mcy	CHCHD6
DGKB. 1	0.006138	-0.10529	0.004	0.034	1 Mcy	DGKB
BIVM. 4	0.006141	-0.13388	0.059	0.112	1 Mcy	BIVM
CTIF	0.006154	-0.10958	0.011	0.045	1 Mcy	CTIF
CASC3. 3	0.006165	-0.16506	0.121	0.187	1 Mcy	CASC3
UBE2E3. 5	0.006177	-0.19626	0.432	0.461	1 Mcy	UBE2E3
SDAD1. 3	0.006177	0.104047	0.282	0.217	1 Mcy	SDAD1
BAG5. 4	0.006203	-0.18035	0.121	0.186	1 Mcy	BAG5
RAB2B. 2	0.006205	-0.14391	0.037	0.082	1 Mcy	RAB2B
ZNF836	0.006232	-0.11392	0.011	0.046	1 Mcy	ZNF836
ZNF14. 2	0.00626	-0.10218	0.015	0.051	1 Mcy	ZNF14
NLK. 3	0.006298	-0.1162	0.033	0.077	1 Mcy	NLK
RNF139. 3	0.006322	-0.18458	0.19	0.257	1 Mcy	RNF139
LOX. 3	0.006344	-0.16727	0.011	0.046	1 Mcy	LOX
PCP4. 4	0.006347	-0.18352	0.007	0.04	1 Mcy	PCP4
TBC1D24. 4	0.006379	-0.1119	0.029	0.072	1 Mcy	TBC1D24
HHIP. 3	0.006424	-0.1491	0	0.027	1 Mcy	HHIP
EPHX2. 3	0.006456	-0.12833	0.007	0.039	1 Mcy	EPHX2
ARL2BP. 3	0.006465	-0.26665	0.355	0.406	1 Mcy	ARL2BP
COG1. 3	0.006472	-0.1337	0.059	0.111	1 Mcy	COG1
PPM1G. 5	0.006488	0.108215	0.513	0.416	1 Mcy	PPM1G
PWWP2A. 3	0.006506	-0.16319	0.073	0.128	1 Mcy	PWWP2A
AKIRIN1. 4	0.006513	-0.22212	0.311	0.369	1 Mcy	AKIRIN1
WDR33. 1	0.006519	0.102166	0.377	0.299	1 Mcy	WDR33
DSCR3. 1	0.006573	0.131277	0.223	0.163	1 Mcy	DSCR3
OMA1. 1	0.006612	0.104354	0.114	0.071	1 Mcy	OMA1
YTHDF2. 4	0.006613	-0.26309	0.396	0.432	1 Mcy	YTHDF2
AP4M1. 4	0.006631	-0.19222	0.132	0.195	1 Mcy	AP4M1
CUTA. 5	0.006632	-0.13023	0.736	0.681	1 Mcy	CUTA
SLC2A11. 1	0.006637	-0.12489	0.026	0.067	1 Mcy	SLC2A11
CAPS. 3	0.006646	-0.13105	0.029	0.072	1 Mcy	CAPS
RP11-212F	0.006651	-0.12851	0.044	0.092	1 Mcy	RP11-212P7. 2
ACVR1B. 2	0.006656	-0.14825	0.04	0.086	1 Mcy	ACVR1B
AKT3. 2	0.006665	-0.11816	0.018	0.056	1 Mcy	AKT3

ZNF562.4	0.006694	-0.20088	0.084	0.142	1 Mcy	ZNF562
ITM2A.5	0.006734	-0.17847	0.018	0.056	1 Mcy	ITM2A
CBX6.4	0.006768	-0.11633	0.172	0.242	1 Mcy	CBX6
UBALD1.4	0.006784	-0.14785	0.106	0.169	1 Mcy	UBALD1
ALKBH5.4	0.006786	-0.22765	0.267	0.324	1 Mcy	ALKBH5
PRDX1.5	0.006789	-0.14051	0.886	0.806	1 Mcy	PRDX1
FXYD1.2	0.00682	-0.13906	0.004	0.033	1 Mcy	FXYD1
SPSB3.3	0.006846	-0.22253	0.238	0.306	1 Mcy	SPSB3
TTY15.3	0.006854	-0.11578	0.018	0.056	1 Mcy	TTY15
ATP5G3	0.006918	0.107387	0.868	0.733	1 Mcy	ATP5G3
PLOD3.3	0.007038	0.144122	0.282	0.216	1 Mcy	PLOD3
PRKAB2.1	0.007042	-0.11749	0.022	0.061	1 Mcy	PRKAB2
PLXNB2.3	0.007096	0.187146	0.209	0.156	1 Mcy	PLXNB2
DUS3L.1	0.00713	0.10605	0.198	0.142	1 Mcy	DUS3L
ZFAND5.6	0.007156	-0.23055	0.429	0.464	1 Mcy	ZFAND5
STRIP1.3	0.007178	-0.1757	0.073	0.126	1 Mcy	STRIP1
MROH8.1	0.007179	-0.11887	0.007	0.039	1 Mcy	MROH8
DHX29.4	0.0072	-0.23302	0.245	0.311	1 Mcy	DHX29
RCAN2.3	0.007202	-0.14742	0.011	0.045	1 Mcy	RCAN2
SEC11C.4	0.007206	-0.22998	0.476	0.497	1 Mcy	SEC11C
KMT2C.4	0.007207	-0.24183	0.201	0.263	1 Mcy	KMT2C
TMEM11.3	0.007208	0.134254	0.396	0.317	1 Mcy	TMEM11
RQCD1.2	0.007219	0.103615	0.249	0.186	1 Mcy	RQCD1
FAM200B.3	0.00722	-0.2502	0.315	0.367	1 Mcy	FAM200B
MAP3K11.3	0.007223	0.11768	0.242	0.181	1 Mcy	MAP3K11
TNS1.2	0.007248	0.104518	0.084	0.049	1 Mcy	TNS1
ATP2A2.2	0.007288	0.181865	0.348	0.277	1 Mcy	ATP2A2
CRYZ.5	0.007292	-0.1728	0.07	0.125	1 Mcy	CRYZ
AASDHPPT.0	0.007313	-0.2175	0.22	0.29	1 Mcy	AASDHPPT
DDIT3.3	0.007316	-0.23754	0.377	0.429	1 Mcy	DDIT3
METTL16.3	0.007334	-0.11747	0.059	0.11	1 Mcy	METTL16
LRCH3.4	0.007342	-0.12892	0.081	0.139	1 Mcy	LRCH3
MYBPC1.3	0.007354	-0.11194	0.011	0.045	1 Mcy	MYBPC1
PLEKHH1.4	0.007368	-0.11784	0.004	0.033	1 Mcy	PLEKHH1
ZNF148.2	0.007412	-0.23715	0.187	0.25	1 Mcy	ZNF148
ZNF174.4	0.007439	-0.11263	0.029	0.071	1 Mcy	ZNF174
CXorf23.1	0.007445	-0.10842	0.022	0.061	1 Mcy	CXorf23
CDC73.1	0.007463	0.139792	0.249	0.187	1 Mcy	CDC73
TCEAL1.5	0.007464	-0.2446	0.187	0.257	1 Mcy	TCEAL1
EDIL3.4	0.007474	-0.1778	0.004	0.033	1 Mcy	EDIL3
KANSL2.3	0.007594	-0.12442	0.092	0.151	1 Mcy	KANSL2
GLIPR1L2.0	0.007624	-0.11734	0.007	0.039	1 Mcy	GLIPR1L2
UBXN2A.4	0.007637	-0.15128	0.125	0.189	1 Mcy	UBXN2A
DIS3.2	0.007637	-0.1919	0.095	0.152	1 Mcy	DIS3
KIAA1107.0	0.007676	-0.12816	0.011	0.044	1 Mcy	KIAA1107
BASP1.6	0.007731	-0.25698	0.326	0.374	1 Mcy	BASP1
MFSD12.5	0.00774	0.164493	0.249	0.19	1 Mcy	MFSD12
TAF3.3	0.007765	0.158979	0.172	0.121	1 Mcy	TAF3
IFIT3.4	0.007803	0.143536	0.158	0.107	1 Mcy	IFIT3
GPR137C.3	0.007821	-0.10958	0.015	0.05	1 Mcy	GPR137C
MKRN1.5	0.007831	-0.19092	0.355	0.409	1 Mcy	MKRN1

VCAN. 4	0.007898	0.176177	0.297	0.245	1 Mcy	VCAN
GJB1. 4	0.007919	-0.17688	0	0.025	1 Mcy	GJB1
ATP8A1. 3	0.00795	-0.14255	0.011	0.044	1 Mcy	ATP8A1
CCZ1. 3	0.008003	-0.17505	0.293	0.352	1 Mcy	CCZ1
TTC19. 4	0.008004	-0.14097	0.293	0.357	1 Mcy	TTC19
SRRM4. 3	0.008022	-0.11548	0.004	0.032	1 Mcy	SRRM4
POLK. 2	0.008044	-0.21338	0.121	0.181	1 Mcy	POLK
ZNF516	0.008055	-0.12935	0.048	0.095	1 Mcy	ZNF516
CDCA7. 5	0.008059	-0.22706	0.073	0.124	1 Mcy	CDCA7
RALGPS1. 3	0.008063	-0.12509	0.018	0.055	1 Mcy	RALGPS1
SP4	0.008096	-0.1092	0.018	0.055	1 Mcy	SP4
GPD1. 5	0.008117	-0.1817	0.015	0.049	1 Mcy	GPD1
AAK1. 4	0.008132	-0.20742	0.212	0.278	1 Mcy	AAK1
CCDC106. 6	0.008136	-0.16031	0.165	0.234	1 Mcy	CCDC106
C6orf226. 0	0.008164	-0.18524	0.128	0.191	1 Mcy	C6orf226
ERF. 4	0.00817	-0.16271	0.117	0.179	1 Mcy	ERF
SERBP1	0.008181	0.127415	0.758	0.623	1 Mcy	SERBP1
SMYD3. 3	0.008195	-0.18142	0.084	0.14	1 Mcy	SMYD3
SLAIN2. 3	0.00822	0.109355	0.19	0.138	1 Mcy	SLAIN2
WDR45B. 3	0.008307	-0.22168	0.366	0.404	1 Mcy	WDR45B
RHOT1. 4	0.008322	-0.19154	0.187	0.25	1 Mcy	RHOT1
NKX6-2. 4	0.008374	-0.17532	0	0.025	1 Mcy	NKX6-2
NMB. 5	0.008428	-0.2693	0.143	0.203	1 Mcy	NMB
TAF9B. 3	0.008514	-0.10988	0.088	0.146	1 Mcy	TAF9B
KIAA1429	0.008531	0.104695	0.158	0.108	1 Mcy	KIAA1429
GAL. 2	0.00857	-0.15175	0.007	0.037	1 Mcy	GAL
TTLL3. 1	0.008589	-0.11281	0.026	0.065	1 Mcy	TTLL3
NUDT12	0.008614	-0.11032	0.026	0.065	1 Mcy	NUDT12
PHF6. 5	0.008647	-0.14439	0.11	0.171	1 Mcy	PHF6
CHMP5. 1	0.008659	0.103867	0.652	0.529	1 Mcy	CHMP5
ANKRD12. 1	0.008662	-0.27262	0.385	0.427	1 Mcy	ANKRD12
CHMP6. 2	0.008674	0.122597	0.253	0.194	1 Mcy	CHMP6
FOXK1. 2	0.008704	-0.13164	0.073	0.128	1 Mcy	FOXK1
BCAS1. 3	0.00871	-0.18967	0.011	0.043	1 Mcy	BCAS1
STAT3. 1	0.008721	-0.22373	0.421	0.459	1 Mcy	STAT3
CYB561. 4	0.008764	-0.10665	0.037	0.081	1 Mcy	CYB561
TPM1. 4	0.008789	-0.22521	0.194	0.254	1 Mcy	TPM1
PHF20L1. 5	0.008827	-0.23133	0.253	0.309	1 Mcy	PHF20L1
RP11-473I	0.008831	-0.11208	0.011	0.043	1 Mcy	RP11-473I1. 5
ZNF573. 3	0.008832	-0.13265	0.026	0.065	1 Mcy	ZNF573
ZNF526	0.008868	-0.13237	0.022	0.059	1 Mcy	ZNF526
ZBTB7A. 2	0.00887	-0.17256	0.121	0.18	1 Mcy	ZBTB7A
CLK4. 2	0.00887	-0.19489	0.106	0.164	1 Mcy	CLK4
ZADH2. 1	0.008872	-0.10925	0.055	0.105	1 Mcy	ZADH2
NAB1. 2	0.008877	-0.14532	0.073	0.127	1 Mcy	NAB1
UQCR10. 3	0.00889	0.106854	0.89	0.738	1 Mcy	UQCR10
ALG12. 3	0.008893	0.116011	0.136	0.091	1 Mcy	ALG12
CASC4. 4	0.008909	-0.18619	0.161	0.225	1 Mcy	CASC4
RAB3D	0.008924	-0.1158	0.033	0.075	1 Mcy	RAB3D
GRAMD1A. 4	0.008954	-0.17399	0.216	0.276	1 Mcy	GRAMD1A
KSR1	0.008956	-0.10446	0.011	0.043	1 Mcy	KSR1

AHCYL1. 6	0. 009054	-0. 27565	0. 267	0. 329	1 Mcy	AHCYL1
JUND. 5	0. 00906	-0. 24762	0. 348	0. 4	1 Mcy	JUND
ZNF550. 3	0. 009065	-0. 11366	0. 015	0. 049	1 Mcy	ZNF550
USP47. 2	0. 00908	-0. 21595	0. 183	0. 246	1 Mcy	USP47
FKBP8. 3	0. 009144	-0. 14758	0. 67	0. 645	1 Mcy	FKBP8
DYNC2LI1. 1	0. 00918	-0. 18873	0. 106	0. 166	1 Mcy	DYNC2LI1
RNF25. 1	0. 00925	-0. 12526	0. 055	0. 103	1 Mcy	RNF25
UCK2. 2	0. 009342	0. 115124	0. 128	0. 086	1 Mcy	UCK2
DOLK. 4	0. 009357	-0. 10239	0. 073	0. 127	1 Mcy	DOLK
NT5C3A. 4	0. 009434	-0. 21972	0. 234	0. 296	1 Mcy	NT5C3A
ACYP1. 3	0. 009439	0. 11432	0. 234	0. 175	1 Mcy	ACYP1
SMARCC2. 5	0. 009461	-0. 21151	0. 198	0. 265	1 Mcy	SMARCC2
GIGYF1. 1	0. 009497	-0. 10559	0. 059	0. 108	1 Mcy	GIGYF1
SLC5A6	0. 009512	0. 140939	0. 154	0. 105	1 Mcy	SLC5A6
STX17. 2	0. 009537	-0. 12832	0. 062	0. 113	1 Mcy	STX17
HSPA1B. 5	0. 009607	-0. 35559	0. 374	0. 411	1 Mcy	HSPA1B
METTL13. 2	0. 009631	0. 101605	0. 172	0. 122	1 Mcy	METTL13
ZNF24. 4	0. 009633	-0. 24527	0. 245	0. 302	1 Mcy	ZNF24
ABCC5. 1	0. 009634	-0. 2187	0. 073	0. 123	1 Mcy	ABCC5
SLTM. 3	0. 009643	0. 104382	0. 429	0. 347	1 Mcy	SLTM
CHADL. 3	0. 009658	-0. 17072	0. 011	0. 042	1 Mcy	CHADL
USP54. 3	0. 009725	-0. 13808	0. 015	0. 048	1 Mcy	USP54
C17orf80. 1	0. 009763	-0. 10313	0. 04	0. 085	1 Mcy	C17orf80
C9orf16. 3	0. 009777	-0. 16184	0. 623	0. 581	1 Mcy	C9orf16
ITPKB	0. 009789	-0. 13935	0. 033	0. 074	1 Mcy	ITPKB
CDKL3. 2	0. 009804	-0. 18314	0. 062	0. 111	1 Mcy	CDKL3
ZNF212. 3	0. 009814	-0. 10928	0. 029	0. 069	1 Mcy	ZNF212
RP11-386G	0. 009827	0. 176887	0. 198	0. 142	1 Mcy	RP11-386G11. 10
UNKL	0. 009858	-0. 12746	0. 022	0. 059	1 Mcy	UNKL
CTB-58E17	0. 0099	-0. 10285	0. 022	0. 059	1 Mcy	CTB-58E17. 1
RABEPK. 5	0. 009905	-0. 17901	0. 136	0. 201	1 Mcy	RABEPK
NNAT. 6	0. 009913	-0. 6746	0. 161	0. 196	1 Mcy	NNAT
SMPD4. 2	0. 009916	0. 163635	0. 15	0. 103	1 Mcy	SMPD4
TMEM116. 3	0. 009923	-0. 13887	0. 026	0. 064	1 Mcy	TMEM116
PCYT2. 5	0. 00994	-0. 12268	0. 103	0. 161	1 Mcy	PCYT2
RAB5A. 2	0. 009997	-0. 2526	0. 407	0. 449	1 Mcy	RAB5A
DLX6-AS1.	0 2. 034395		0. 838	0. 044	0 Neo-G	DLX6-AS1
STMN2. 7	0 2. 010482		0. 984	0. 09	0 Neo-G	STMN2
DLX5. 7	0 1. 840474		0. 865	0. 056	0 Neo-G	DLX5
NNAT. 7	0 1. 804069		0. 87	0. 113	0 Neo-G	NNAT
NSG1. 7	0 1. 630233		0. 879	0. 09	0 Neo-G	NSG1
ELAVL4. 6	0 1. 530401		0. 869	0. 094	0 Neo-G	ELAVL4
TAGLN3. 6	0 1. 526926		0. 848	0. 107	0 Neo-G	TAGLN3
STMN4. 6	0 1. 496653		0. 962	0. 226	0 Neo-G	STMN4
DCX. 7	0 1. 477803		0. 814	0. 13	0 Neo-G	DCX
SOX11. 6	0 1. 446174		0. 866	0. 2	0 Neo-G	SOX11
DLX2. 7	0 1. 419108		0. 634	0. 044	0 Neo-G	DLX2
NFIB. 7	0 1. 401495		0. 951	0. 308	0 Neo-G	NFIB
THSD7A. 6	0 1. 377568		0. 671	0. 078	0 Neo-G	THSD7A
KLHL35. 6	0 1. 362883		0. 632	0. 028	0 Neo-G	KLHL35
CELF4. 7	0 1. 353442		0. 6	0. 031	0 Neo-G	CELF4



CRMP1. 6	0	1.353013	0.86	0.193	0 Neo-G	CRMP1
SYT1. 7	0	1.346437	0.609	0.038	0 Neo-G	SYT1
SOX4. 6	0	1.339104	0.998	0.378	0 Neo-G	SOX4
DLX1. 7	0	1.313385	0.61	0.054	0 Neo-G	DLX1
MEIS2. 6	0	1.304036	0.692	0.144	0 Neo-G	MEIS2
TTC9B. 7	0	1.296817	0.686	0.051	0 Neo-G	TTC9B
GPC2. 7	0	1.283909	0.71	0.102	0 Neo-G	GPC2
RAB3A. 7	0	1.261723	0.697	0.099	0 Neo-G	RAB3A
MLLT11. 5	0	1.250345	0.987	0.389	0 Neo-G	MLLT11
TSPAN13. 7	0	1.246391	0.877	0.229	0 Neo-G	TSPAN13
DBN1. 7	0	1.214036	0.854	0.245	0 Neo-G	DBN1
LY6H. 6	0	1.200266	0.523	0.032	0 Neo-G	LY6H
PAK3. 7	0	1.191326	0.638	0.083	0 Neo-G	PAK3
RBFOX2. 6	0	1.183827	0.706	0.156	0 Neo-G	RBFOX2
TMEM161B- LBH. 7	0	1.177367	0.761	0.231	0 Neo-G	TMEM161B-AS1
ATAT1. 7	0	1.16298	0.78	0.229	0 Neo-G	ATAT1
TMSB15A. 7	0	1.155395	0.657	0.12	0 Neo-G	TMSB15A
MIAT. 6	0	1.150339	0.647	0.109	0 Neo-G	MIAT
NRXN1. 6	0	1.140606	0.651	0.104	0 Neo-G	NRXN1
PCSK1N. 6	0	1.136494	0.976	0.353	0 Neo-G	PCSK1N
KIF5C. 7	0	1.134129	0.746	0.21	0 Neo-G	KIF5C
TUBB2A. 6	0	1.13297	0.982	0.416	0 Neo-G	TUBB2A
ARL4D. 7	0	1.12599	0.595	0.117	0 Neo-G	ARL4D
DYNC1I1. 7	0	1.122604	0.559	0.049	0 Neo-G	DYNC1I1
RND3. 6	0	1.118734	0.691	0.188	0 Neo-G	RND3
PODXL2. 7	0	1.116321	0.801	0.248	0 Neo-G	PODXL2
CXADR. 7	0	1.111669	0.745	0.254	0 Neo-G	CXADR
ELAVL3. 7	0	1.110716	0.816	0.249	0 Neo-G	ELAVL3
ATP1A3. 6	0	1.105124	0.581	0.065	0 Neo-G	ATP1A3
APLP1. 7	0	1.098208	0.899	0.285	0 Neo-G	APLP1
ACTL6B. 6	0	1.091763	0.511	0.024	0 Neo-G	ACTL6B
NREP. 6	0	1.090908	0.742	0.216	0 Neo-G	NREP
DNER. 5	0	1.085465	0.77	0.22	0 Neo-G	DNER
SNAP25. 6	0	1.077007	0.626	0.084	0 Neo-G	SNAP25
GSTA4. 6	0	1.076904	0.791	0.229	0 Neo-G	GSTA4
SCG3. 7	0	1.076548	0.826	0.198	0 Neo-G	SCG3
MARCKSL1. 6	0	1.07352	1	0.489	0 Neo-G	MARCKSL1
CELF5. 7	0	1.068144	0.52	0.039	0 Neo-G	CELF5
TERF2IP. 7	0	1.062704	0.969	0.463	0 Neo-G	TERF2IP
ZC2HC1A. 6	0	1.061316	0.678	0.154	0 Neo-G	ZC2HC1A
FNBP1L. 7	0	1.058095	0.587	0.136	0 Neo-G	FNBP1L
ASIC4. 6	0	1.057858	0.531	0.092	0 Neo-G	ASIC4
UCHL1. 5	0	1.056228	0.964	0.372	0 Neo-G	UCHL1
MYT1L. 7	0	1.05484	0.446	0.012	0 Neo-G	MYT1L
TCF4. 7	0	1.011759	0.958	0.47	0 Neo-G	TCF4
TCEAL2. 5	0	1.011387	0.676	0.119	0 Neo-G	TCEAL2
BEX2. 6	0	1.007958	0.777	0.194	0 Neo-G	BEX2
MAPT. 7	0	1.001735	0.753	0.228	0 Neo-G	MAPT
TUBB2B. 6	0	0.994134	0.999	0.501	0 Neo-G	TUBB2B
GNG3. 5	0	0.993168	0.406	0.033	0 Neo-G	GNG3

MAP1B. 6	0 0.987799	0.991	0.478	0 Neo-G	MAP1B
CDCA7. 6	0 0.981461	0.468	0.081	0 Neo-G	CDCA7
MAP2. 7	0 0.977164	0.796	0.282	0 Neo-G	MAP2
MEX3A. 6	0 0.969345	0.564	0.131	0 Neo-G	MEX3A
ELAVL2. 7	0 0.966337	0.449	0.035	0 Neo-G	ELAVL2
CD200. 7	0 0.964605	0.464	0.067	0 Neo-G	CD200
PKIA. 7	0 0.963958	0.462	0.048	0 Neo-G	PKIA
LINC00461	0 0.955886	0.709	0.273	0 Neo-G	LINC00461
CELF3. 7	0 0.955128	0.435	0.021	0 Neo-G	CELF3
RPRM. 7	0 0.952934	0.352	0.032	0 Neo-G	RPRM
CSRNP3. 6	0 0.942023	0.46	0.055	0 Neo-G	CSRNP3
HOXC9. 7	0 0.937829	0.43	0.043	0 Neo-G	HOXC9
SCN3B. 5	0 0.929773	0.422	0.029	0 Neo-G	SCN3B
STMN1. 6	0 0.920669	0.999	0.586	0 Neo-G	STMN1
BEX1. 6	0 0.919672	0.853	0.29	0 Neo-G	BEX1
DUSP26. 6	0 0.91709	0.415	0.048	0 Neo-G	DUSP26
GDAP1L1. 6	0 0.916955	0.46	0.057	0 Neo-G	GDAP1L1
TCEAL5. 5	0 0.914808	0.513	0.073	0 Neo-G	TCEAL5
TCEAL7. 5	0 0.914385	0.751	0.248	0 Neo-G	TCEAL7
TTC3. 6	0 0.91213	0.935	0.465	0 Neo-G	TTC3
AC004540.	0 0.905642	0.471	0.08	0 Neo-G	AC004540. 4
SYP. 7	0 0.900748	0.491	0.09	0 Neo-G	SYP
KLC1. 7	0 0.899962	0.773	0.309	0 Neo-G	KLC1
DLX6. 7	0 0.891478	0.346	0.022	0 Neo-G	DLX6
RBP1. 5	0 0.891274	0.925	0.403	0 Neo-G	RBP1
ATCAY. 6	0 0.887895	0.475	0.077	0 Neo-G	ATCAY
GPM6A. 6	0 0.885483	0.98	0.447	0 Neo-G	GPM6A
SLC38A1. 4	0 0.883808	0.519	0.095	0 Neo-G	SLC38A1
NFIX. 6	0 0.882473	0.721	0.285	0 Neo-G	NFIX
CDK5R1. 7	0 0.875025	0.419	0.053	0 Neo-G	CDK5R1
LINC01102	0 0.873085	0.368	0.034	0 Neo-G	LINC01102
SLC32A1. 5	0 0.857344	0.316	0.003	0 Neo-G	SLC32A1
SRRM3. 6	0 0.849135	0.393	0.033	0 Neo-G	SRRM3
KLRC2. 6	0 0.845073	0.433	0.07	0 Neo-G	KLRC2
FAM57B. 6	0 0.828777	0.394	0.055	0 Neo-G	FAM57B
PHF14. 6	0 0.822821	0.808	0.376	0 Neo-G	PHF14
CHGB. 4	0 0.816568	0.41	0.048	0 Neo-G	CHGB
HOXA7. 5	0 0.810155	0.412	0.064	0 Neo-G	HOXA7
TMEM35. 6	0 0.808462	0.392	0.055	0 Neo-G	TMEM35
VGf. 5	0 0.798426	0.361	0.034	0 Neo-G	VGf
PAFAH1B3.	0 0.797186	0.813	0.376	0 Neo-G	PAFAH1B3
UBE2E3. 6	0 0.794282	0.86	0.412	0 Neo-G	UBE2E3
RUNDC3A. 7	0 0.783761	0.408	0.06	0 Neo-G	RUNDC3A
PDZRN4. 4	0 0.780685	0.286	0.008	0 Neo-G	PDZRN4
SP9. 6	0 0.77814	0.286	0.011	0 Neo-G	SP9
REEP1. 7	0 0.776479	0.357	0.047	0 Neo-G	REEP1
LINC00632	0 0.775518	0.375	0.057	0 Neo-G	LINC00632
STX1A. 4	0 0.775108	0.339	0.034	0 Neo-G	STX1A
FABP6. 6	0 0.773776	0.288	0.008	0 Neo-G	FABP6
FXyD6. 7	0 0.771909	0.915	0.405	0 Neo-G	FXyD6
SMIM18. 6	0 0.769756	0.342	0.027	0 Neo-G	SMIM18

HDAC2. 6	0 0. 768957	0. 822	0. 402	0 Neo-G	HDAC2
PTMS. 6	0 0. 759907	0. 951	0. 505	0 Neo-G	PTMS
SBK1. 7	0 0. 756766	0. 333	0. 04	0 Neo-G	SBK1
INA. 4	0 0. 754772	0. 306	0. 01	0 Neo-G	INA
ARX. 6	0 0. 74606	0. 266	0. 012	0 Neo-G	ARX
SYT5. 5	0 0. 727059	0. 295	0. 013	0 Neo-G	SYT5
HOXA2. 6	0 0. 722447	0. 328	0. 041	0 Neo-G	HOXA2
ERBB4. 6	0 0. 706623	0. 288	0. 03	0 Neo-G	ERBB4
C1QTNF4. 5	0 0. 705903	0. 298	0. 027	0 Neo-G	C1QTNF4
YWHAQ. 6	0 0. 698713	0. 98	0. 603	0 Neo-G	YWHAQ
PAK7. 6	0 0. 680977	0. 291	0. 017	0 Neo-G	PAK7
SORBS2. 5	0 0. 674116	0. 285	0. 022	0 Neo-G	SORBS2
SLCO5A1. 5	0 0. 674014	0. 258	0. 015	0 Neo-G	SLCO5A1
BTG1. 6	0 0. 673715	0. 987	0. 653	0 Neo-G	BTG1
FGF9. 6	0 0. 67119	0. 276	0. 023	0 Neo-G	FGF9
TSC22D1. 6	0 0. 668113	0. 93	0. 461	0 Neo-G	TSC22D1
MARCKS. 5	0 0. 66438	0. 966	0. 553	0 Neo-G	MARCKS
KIAA1107.	0 0. 636209	0. 248	0. 018	0 Neo-G	KIAA1107
SRRM4. 4	0 0. 635931	0. 227	0. 007	0 Neo-G	SRRM4
HN1. 3	0 0. 623266	0. 984	0. 637	0 Neo-G	HN1
RTN4. 7	0 0. 599914	0. 984	0. 666	0 Neo-G	RTN4
CLVS1. 3	0 0. 586736	0. 219	0. 008	0 Neo-G	CLVS1
MIR7-3HG.	0 0. 567969	0. 215	0. 012	0 Neo-G	MIR7-3HG
TUBA1A. 6	0 0. 541657	1	0. 784	0 Neo-G	TUBA1A
TUBB. 5	0 0. 522787	0. 995	0. 743	0 Neo-G	TUBB
B2M. 5	0 -0. 86986	0. 853	0. 985	0 Neo-G	B2M
HLA-B. 4	0 -1. 20405	0. 482	0. 897	0 Neo-G	HLA-B
NEAT1. 4	0 -1. 25781	0. 328	0. 816	0 Neo-G	NEAT1
MT2A. 6	0 -1. 61166	0. 381	0. 833	0 Neo-G	MT2A
S100A11. 7	0 -1. 65652	0. 165	0. 717	0 Neo-G	S100A11
BEX5. 5	##### 0. 756392	0. 389	0. 061	##### Neo-G	BEX5
CCNI. 5	##### 0. 540668	0. 959	0. 675	##### Neo-G	CCNI
EIF4G2. 6	##### 0. 573079	0. 921	0. 627	##### Neo-G	EIF4G2
GADD45G. 6	##### 0. 842376	0. 677	0. 204	##### Neo-G	GADD45G
SPOCK1. 6	##### 0. 735616	0. 349	0. 048	##### Neo-G	SPOCK1
CPE. 6	##### 0. 776358	0. 815	0. 338	##### Neo-G	CPE
ONECUT2. 4	##### 0. 60324	0. 241	0. 019	##### Neo-G	ONECUT2
HOXA3. 6	##### 0. 655746	0. 278	0. 029	##### Neo-G	HOXA3
NCAN. 5	##### 0. 716358	0. 342	0. 048	##### Neo-G	NCAN
CBX1. 5	##### 0. 802392	0. 732	0. 323	##### Neo-G	CBX1
NKX2-2. 6	##### 0. 80851	0. 481	0. 107	##### Neo-G	NKX2-2
INADL. 6	##### 0. 73097	0. 302	0. 039	##### Neo-G	INADL
KIF3A. 5	##### 0. 8828	0. 59	0. 191	##### Neo-G	KIF3A
EFNA3. 4	##### 0. 6748	0. 284	0. 032	##### Neo-G	EFNA3
YWHAG. 6	##### 0. 784856	0. 749	0. 347	##### Neo-G	YWHAG
FSCN1. 7	##### 0. 704093	0. 87	0. 46	##### Neo-G	FSCN1
GNG5. 5	##### -1. 32469	0. 174	0. 701	##### Neo-G	GNG5
ZNF428. 7	##### 0. 643495	0. 888	0. 503	##### Neo-G	ZNF428
KMT2E. 5	##### 0. 650698	0. 889	0. 495	##### Neo-G	KMT2E
DPYSL3. 6	##### 0. 824549	0. 7	0. 276	##### Neo-G	DPYSL3
JAKMIP1. 2	##### 0. 500521	0. 198	0. 011	##### Neo-G	JAKMIP1

NAP1L3.5	#####	0.777619	0.379	0.068	#####	Neo-G	NAP1L3
RIT2.6	#####	0.730319	0.326	0.046	#####	Neo-G	RIT2
SNN.7	#####	0.825897	0.582	0.182	#####	Neo-G	SNN
NYAP1.4	#####	0.552135	0.213	0.015	#####	Neo-G	NYAP1
HLA-C.3	#####	-1.00744	0.497	0.84	#####	Neo-G	HLA-C
MAPK10.6	#####	0.866336	0.529	0.154	#####	Neo-G	MAPK10
GDAP1.7	#####	0.782559	0.47	0.113	#####	Neo-G	GDAP1
CD63.6	#####	-0.76498	0.829	0.936	#####	Neo-G	CD63
PRKAR2B.5	#####	0.66063	0.301	0.04	#####	Neo-G	PRKAR2B
HNRNPA0.5	#####	0.563079	0.928	0.607	#####	Neo-G	HNRNPA0
ZCCHC12	#####	0.492287	0.186	0.01	#####	Neo-G	ZCCHC12
NEUROD2.3	#####	0.585342	0.187	0.01	#####	Neo-G	NEUROD2
CCNG2.6	#####	0.802179	0.518	0.14	#####	Neo-G	CCNG2
VAMP2.6	#####	0.553932	0.931	0.585	#####	Neo-G	VAMP2
KLHDC8A.7	#####	0.834608	0.6	0.208	#####	Neo-G	KLHDC8A
SRPK2.5	#####	0.72024	0.771	0.367	#####	Neo-G	SRPK2
HOTAIRM1	#####	0.801141	0.528	0.14	#####	Neo-G	HOTAIRM1
SYT4	#####	0.468232	0.167	0.007	#####	Neo-G	SYT4
ERV3-1.6	#####	0.787938	0.625	0.216	#####	Neo-G	ERV3-1
SHD.6	#####	0.754332	0.43	0.089	#####	Neo-G	SHD
KIF1A.6	#####	0.712289	0.426	0.09	#####	Neo-G	KIF1A
CBX3.5	#####	0.611986	0.876	0.514	#####	Neo-G	CBX3
SCN2A.3	#####	0.496085	0.183	0.011	#####	Neo-G	SCN2A
NCAM1.7	#####	0.763926	0.704	0.29	#####	Neo-G	NCAM1
SLC25A4.7	#####	0.655175	0.791	0.382	#####	Neo-G	SLC25A4
CAMK2N1.7	#####	0.771853	0.695	0.27	#####	Neo-G	CAMK2N1
RAB2A.4	#####	0.574477	0.9	0.554	#####	Neo-G	RAB2A
KLHL7.5	#####	0.806598	0.628	0.237	#####	Neo-G	KLHL7
HLA-E.7	#####	-1.42644	0.135	0.652	#####	Neo-G	HLA-E
MKRN1.6	#####	0.759834	0.747	0.367	#####	Neo-G	MKRN1
ZFP36L1.3	#####	-1.41916	0.084	0.617	#####	Neo-G	ZFP36L1
KLHL23.7	#####	0.805276	0.47	0.123	#####	Neo-G	KLHL23
PLXNA4.6	#####	0.777141	0.307	0.048	#####	Neo-G	PLXNA4
RUFY3.6	#####	0.79604	0.65	0.263	#####	Neo-G	RUFY3
WHSC1L1.6	#####	0.790675	0.715	0.331	#####	Neo-G	WHSC1L1
PFN2.6	#####	0.668146	0.822	0.387	#####	Neo-G	PFN2
CHD7.7	#####	0.80105	0.645	0.245	#####	Neo-G	CHD7
RAB3C.3	#####	0.503909	0.21	0.017	#####	Neo-G	RAB3C
PSIP1.6	#####	0.739935	0.733	0.341	#####	Neo-G	PSIP1
LRRC61.5	#####	0.588596	0.281	0.038	#####	Neo-G	LRRC61
HOXA5.3	#####	0.617569	0.271	0.035	#####	Neo-G	HOXA5
LRTM1	#####	0.421152	0.132	0.003	#####	Neo-G	LRTM1
IFITM3.2	#####	-1.64049	0.029	0.561	#####	Neo-G	IFITM3
VIM.5	#####	-1.27622	0.326	0.704	#####	Neo-G	VIM
KIF21A.7	#####	0.767868	0.651	0.26	#####	Neo-G	KIF21A
NPC2.6	#####	-1.30178	0.292	0.74	#####	Neo-G	NPC2
DAAM1.5	#####	0.777364	0.577	0.2	#####	Neo-G	DAAM1
ANXA5.4	#####	-1.02888	0.343	0.773	#####	Neo-G	ANXA5
MAP1LC3A	#####	0.729069	0.711	0.323	#####	Neo-G	MAP1LC3A
TMSB15B.6	#####	0.823943	0.487	0.144	#####	Neo-G	TMSB15B
CLIC1.5	#####	-1.25377	0.194	0.675	#####	Neo-G	CLIC1

ZNF821.7	#####	0.76499	0.465	0.126	#####	Neo-G	ZNF821
MAGEH1.6	#####	0.728606	0.676	0.274	#####	Neo-G	MAGEH1
DNAJB6.1	#####	0.438684	0.961	0.678	#####	Neo-G	DNAJB6
BCL7A.7	#####	0.776974	0.439	0.114	#####	Neo-G	BCL7A
KHDRBS1.5	#####	0.646314	0.797	0.448	#####	Neo-G	KHDRBS1
CDK5R2.4	#####	0.568325	0.19	0.015	#####	Neo-G	CDK5R2
ZNF711.6	#####	0.759615	0.426	0.107	#####	Neo-G	ZNF711
CD9.3	#####	-1.50861	0.112	0.621	#####	Neo-G	CD9
AKAP9.5	#####	0.677296	0.776	0.41	#####	Neo-G	AKAP9
SERF2.3	#####	-0.677	0.767	0.911	#####	Neo-G	SERF2
NDRG4.7	#####	0.784109	0.448	0.125	#####	Neo-G	NDRG4
RGMB.6	#####	0.838847	0.412	0.098	#####	Neo-G	RGMB
ATRX.4	#####	0.674009	0.765	0.405	#####	Neo-G	ATRX
BST2.6	#####	-1.59756	0.031	0.541	#####	Neo-G	BST2
SEPT3.6	#####	0.681895	0.278	0.042	#####	Neo-G	3-Sep
C3orf14.4	#####	0.73506	0.602	0.223	#####	Neo-G	C3orf14
RAI2	#####	0.420564	0.149	0.007	#####	Neo-G	RAI2
ZFR2.4	#####	0.504419	0.203	0.018	#####	Neo-G	ZFR2
SCG5.6	#####	0.629981	0.695	0.283	#####	Neo-G	SCG5
MAGED2.7	#####	0.576127	0.841	0.468	#####	Neo-G	MAGED2
CCDC112.6	#####	0.782929	0.583	0.221	#####	Neo-G	CCDC112
NHLH1.2	#####	0.601961	0.157	0.009	#####	Neo-G	NHLH1
NFIA.6	#####	0.76016	0.716	0.338	#####	Neo-G	NFIA
RSBN1L.5	#####	0.693878	0.7	0.313	#####	Neo-G	RSBN1L
NLRP1.6	#####	0.712383	0.687	0.296	#####	Neo-G	NLRP1
MYCBP2.4	#####	0.792636	0.627	0.265	#####	Neo-G	MYCBP2
PTOV1.6	#####	0.64892	0.769	0.398	#####	Neo-G	PTOV1
PCDHB10.6	#####	0.720815	0.35	0.072	#####	Neo-G	PCDHB10
NRXN2.7	#####	0.69621	0.38	0.084	#####	Neo-G	NRXN2
TRH	#####	0.369477	0.132	0.004	#####	Neo-G	TRH
RPAIN.5	#####	0.589116	0.816	0.445	#####	Neo-G	RPAIN
FCGRT.6	#####	-1.37225	0.115	0.603	#####	Neo-G	FCGRT
CA8.6	#####	0.650902	0.246	0.032	#####	Neo-G	CA8
RCN2.6	#####	0.614105	0.806	0.426	#####	Neo-G	RCN2
CPLX2	#####	0.417119	0.152	0.008	#####	Neo-G	CPLX2
HMGB3.6	#####	0.713035	0.616	0.238	#####	Neo-G	HMGB3
NPDC1.6	#####	0.717709	0.653	0.283	#####	Neo-G	NPDC1
C10orf35	#####	0.551588	0.25	0.034	#####	Neo-G	C10orf35
RAC1.4	#####	0.390606	0.987	0.713	#####	Neo-G	RAC1
CDKN2D.7	#####	0.765252	0.442	0.125	#####	Neo-G	CDKN2D
UBE2V2.5	#####	0.561061	0.805	0.457	#####	Neo-G	UBE2V2
LGALS1.6	#####	-1.08992	0.408	0.74	#####	Neo-G	LGALS1
APP.6	#####	0.590881	0.872	0.482	#####	Neo-G	APP
PPP1R9A.6	#####	0.590191	0.284	0.045	#####	Neo-G	PPP1R9A
ASNS.7	#####	0.696528	0.476	0.141	#####	Neo-G	ASNS
THRA.5	#####	0.734788	0.557	0.2	#####	Neo-G	THRA
ZFP36.4	#####	-1.41446	0.178	0.621	#####	Neo-G	ZFP36
SEZ6L2.6	#####	0.744536	0.591	0.235	#####	Neo-G	SEZ6L2
TIMP1.5	#####	-1.41804	0.272	0.663	#####	Neo-G	TIMP1
PCL0.2	#####	0.451163	0.181	0.015	#####	Neo-G	PCL0
TOX.7	#####	0.708666	0.309	0.06	#####	Neo-G	TOX

JPH4. 4	#####	0.587938	0.254	0.036	#####	Neo-G	JPH4
C4orf48.5	#####	0.599718	0.831	0.488	#####	Neo-G	C4orf48
L1CAM. 4	#####	0.480908	0.186	0.016	#####	Neo-G	L1CAM
EEF1D. 6	#####	-0.76034	0.64	0.87	#####	Neo-G	EEF1D
C14orf132	#####	0.628798	0.327	0.063	#####	Neo-G	C14orf132
CD01. 7	#####	0.68528	0.555	0.196	#####	Neo-G	CD01
BHLHE22	#####	0.486201	0.108	0.002	#####	Neo-G	BHLHE22
FAXC. 6	#####	0.649467	0.307	0.059	#####	Neo-G	FAXC
RTN3. 5	#####	0.461064	0.913	0.623	#####	Neo-G	RTN3
GRIA2. 6	#####	0.754258	0.513	0.175	#####	Neo-G	GRIA2
NXP4. 5	#####	0.703154	0.256	0.039	#####	Neo-G	NXP4
IER2. 6	#####	0.575528	0.899	0.581	#####	Neo-G	IER2
GSE1. 6	#####	0.665535	0.32	0.063	#####	Neo-G	GSE1
MAPRE3. 5	#####	0.724642	0.463	0.144	#####	Neo-G	MAPRE3
GAD2	#####	0.527442	0.117	0.004	#####	Neo-G	GAD2
SMPD3	#####	0.431407	0.159	0.011	#####	Neo-G	SMPD3
SLC1A3. 6	#####	-1.26542	0.056	0.528	#####	Neo-G	SLC1A3
CENPV. 7	#####	0.777061	0.566	0.217	#####	Neo-G	CENPV
TUBB4A. 7	#####	0.50015	0.386	0.085	#####	Neo-G	TUBB4A
ZBTB20. 6	#####	0.65966	0.712	0.346	#####	Neo-G	ZBTB20
LGALS3. 5	#####	-1.6428	0.073	0.53	#####	Neo-G	LGALS3
RAB9B. 4	#####	0.530983	0.229	0.031	#####	Neo-G	RAB9B
CD99. 4	#####	-1.10321	0.241	0.686	#####	Neo-G	CD99
CAMKV	#####	0.354819	0.126	0.005	#####	Neo-G	CAMKV
ENC1. 7	#####	0.943584	0.504	0.19	#####	Neo-G	ENC1
ACOT7. 6	#####	0.787015	0.519	0.191	#####	Neo-G	ACOT7
GNAO1. 5	#####	0.596149	0.319	0.063	#####	Neo-G	GNAO1
BLCAP. 4	#####	0.710615	0.592	0.254	#####	Neo-G	BLCAP
MAGI1. 7	#####	0.72437	0.489	0.162	#####	Neo-G	MAGI1
GSN. 6	#####	-1.30952	0.104	0.559	#####	Neo-G	GSN
CCDC136. 5	#####	0.636767	0.313	0.064	#####	Neo-G	CCDC136
HSDL1. 6	#####	0.667559	0.384	0.1	#####	Neo-G	HSDL1
MATR3. 6	#####	0.593479	0.78	0.451	#####	Neo-G	MATR3
PKM. 5	#####	-0.83891	0.571	0.795	#####	Neo-G	PKM
BCL11B. 4	#####	0.452522	0.174	0.016	#####	Neo-G	BCL11B
NOVA1. 7	#####	0.655657	0.876	0.431	#####	Neo-G	NOVA1
RP3-525N1	#####	0.746863	0.414	0.118	#####	Neo-G	RP3-525N10. 2
LINCO0599	#####	0.514966	0.179	0.017	#####	Neo-G	LINCO0599
KIAA1549.	#####	0.655669	0.313	0.067	#####	Neo-G	KIAA1549
ENO1. 4	#####	-0.76787	0.599	0.818	#####	Neo-G	ENO1
TOX3. 6	#####	0.65441	0.262	0.044	#####	Neo-G	TOX3
SCRT1	#####	0.388743	0.134	0.007	#####	Neo-G	SCRT1
ZFP36L2. 6	#####	-1.16731	0.113	0.565	#####	Neo-G	ZFP36L2
TCP1. 3	#####	0.52076	0.805	0.488	#####	Neo-G	TCP1
IP6K2. 6	#####	0.546396	0.751	0.396	#####	Neo-G	IP6K2
GPD1. 6	#####	0.534042	0.216	0.028	#####	Neo-G	GPD1
NKX2-1	#####	0.340059	0.119	0.005	#####	Neo-G	NKX2-1
TBCC. 7	#####	0.695119	0.513	0.186	#####	Neo-G	TBCC
NEDD4L. 5	#####	0.623853	0.35	0.084	#####	Neo-G	NEDD4L
ATP1B1. 5	#####	0.645676	0.551	0.196	#####	Neo-G	ATP1B1
PEG10. 5	#####	0.657491	0.335	0.074	#####	Neo-G	PEG10

PJA1. 5	#####	0.698652	0.467	0.159	#####	Neo-G	PJA1
INSM1. 7	#####	0.722455	0.353	0.088	#####	Neo-G	INSM1
FAM155A. 1	#####	0.399558	0.158	0.013	#####	Neo-G	FAM155A
POP7. 5	#####	0.601783	0.699	0.357	#####	Neo-G	POP7
CPLX1. 4	#####	0.49613	0.197	0.023	#####	Neo-G	CPLX1
ANXA2. 6	#####	-1.32041	0.128	0.56	#####	Neo-G	ANXA2
DBI. 7	#####	-0.76908	0.696	0.861	#####	Neo-G	DBI
PTPRN2. 3	#####	0.61905	0.516	0.175	#####	Neo-G	PTPRN2
KLF7. 5	#####	0.698253	0.493	0.171	#####	Neo-G	KLF7
FEZ1. 6	#####	0.544157	0.758	0.39	#####	Neo-G	FEZ1
TCEAL6. 3	#####	0.443259	0.179	0.018	#####	Neo-G	TCEAL6
REM2	#####	0.370046	0.122	0.006	#####	Neo-G	REM2
NDUFA5. 5	#####	0.441857	0.864	0.542	#####	Neo-G	NDUFA5
DCTN3. 1	#####	0.500575	0.808	0.481	#####	Neo-G	DCTN3
PLK2. 4	#####	0.69605	0.39	0.106	#####	Neo-G	PLK2
ATP6VOE2.	#####	0.543853	0.767	0.414	#####	Neo-G	ATP6VOE2
STXBP1. 6	#####	0.667695	0.356	0.092	#####	Neo-G	STXBP1
DDAH2. 5	#####	0.540777	0.781	0.453	#####	Neo-G	DDAH2
HLA-DRB1.	#####	-1.46092	0.189	0.575	#####	Neo-G	HLA-DRB1
NDFIP1. 7	#####	0.48893	0.853	0.571	#####	Neo-G	NDFIP1
BZW2. 3	#####	0.623361	0.574	0.233	#####	Neo-G	BZW2
YBX1. 3	#####	0.341545	0.971	0.738	#####	Neo-G	YBX1
DTD1. 7	#####	0.603966	0.697	0.354	#####	Neo-G	DTD1
CALB2	#####	0.411481	0.121	0.006	#####	Neo-G	CALB2
ARC. 5	#####	0.722189	0.503	0.172	#####	Neo-G	ARC
ADCYAP1	#####	0.331149	0.099	0.002	#####	Neo-G	ADCYAP1
KIDINS220	#####	0.686399	0.561	0.233	#####	Neo-G	KIDINS220
DUSP8. 5	#####	0.540113	0.214	0.031	#####	Neo-G	DUSP8
DLL3. 6	#####	0.621727	0.416	0.11	#####	Neo-G	DLL3
A2M. 5	#####	-1.36326	0.079	0.51	#####	Neo-G	A2M
ZNF536. 5	#####	0.449735	0.196	0.024	#####	Neo-G	ZNF536
BASP1. 7	#####	0.802255	0.621	0.342	#####	Neo-G	BASP1
SMARCA4. 6	#####	0.636919	0.65	0.326	#####	Neo-G	SMARCA4
ANKRD46. 5	#####	0.638117	0.417	0.125	#####	Neo-G	ANKRD46
TIAM2. 6	#####	0.639097	0.276	0.055	#####	Neo-G	TIAM2
VDAC3. 3	#####	0.51949	0.769	0.427	#####	Neo-G	VDAC3
DYNC1LI2.	#####	0.62479	0.639	0.309	#####	Neo-G	DYNC1LI2
MT3. 7	#####	-1.52458	0.122	0.535	#####	Neo-G	MT3
SCN3A. 6	#####	0.550725	0.263	0.049	#####	Neo-G	SCN3A
MT1X. 5	#####	-1.43466	0.216	0.621	#####	Neo-G	MT1X
TRIM36. 7	#####	0.701108	0.441	0.15	#####	Neo-G	TRIM36
LRRC26	#####	0.369144	0.126	0.007	#####	Neo-G	LRRC26
SCRT2	#####	0.352381	0.116	0.006	#####	Neo-G	SCRT2
ATP6V1G2.	#####	0.765867	0.393	0.119	#####	Neo-G	ATP6V1G2
SYNPR	#####	0.366481	0.091	0.002	#####	Neo-G	SYNPR
HLA-DPA1.	#####	-1.3982	0.2	0.574	#####	Neo-G	HLA-DPA1
H1FX. 6	#####	0.646913	0.691	0.347	#####	Neo-G	H1FX
STARD4-AS	#####	0.698816	0.357	0.099	#####	Neo-G	STARD4-AS1
GOLM1. 6	#####	0.634679	0.606	0.281	#####	Neo-G	GOLM1
LMO4. 7	#####	0.609873	0.774	0.442	#####	Neo-G	LMO4
EMP3. 6	#####	-1.24252	0.067	0.495	#####	Neo-G	EMP3

SYN1. 1	#####	0.439665	0.178	0.02	#####	Neo-G	SYN1
TMEFF2. 7	#####	0.578988	0.276	0.054	#####	Neo-G	TMEFF2
PMP22. 5	#####	-1.28145	0.05	0.473	#####	Neo-G	PMP22
SLC1A6	#####	0.285885	0.101	0.003	#####	Neo-G	SLC1A6
BEND5. 5	#####	0.641448	0.376	0.108	#####	Neo-G	BEND5
HOXA6	#####	0.356527	0.134	0.01	#####	Neo-G	HOXA6
PLTP. 5	#####	-1.31949	0.092	0.516	#####	Neo-G	PLTP
NT5C3A. 5	#####	0.651817	0.581	0.259	#####	Neo-G	NT5C3A
MYH10. 5	#####	0.686638	0.396	0.123	#####	Neo-G	MYH10
CLASP2. 6	#####	0.651361	0.475	0.163	#####	Neo-G	CLASP2
SLC17A6	#####	0.291622	0.097	0.003	#####	Neo-G	SLC17A6
CHGA. 2	#####	0.400146	0.147	0.012	#####	Neo-G	CHGA
PRDX6. 3	#####	-1.0506	0.304	0.663	#####	Neo-G	PRDX6
HLA-DRA. 6	#####	-1.23967	0.386	0.663	#####	Neo-G	HLA-DRA
DPF1. 6	#####	0.621749	0.38	0.111	#####	Neo-G	DPF1
SAT1. 5	#####	-0.87053	0.622	0.825	#####	Neo-G	SAT1
TAGLN2. 7	#####	-1.16957	0.14	0.56	#####	Neo-G	TAGLN2
MYL6B. 6	#####	0.524225	0.745	0.405	#####	Neo-G	MYL6B
HOXA10. 7	#####	0.582666	0.27	0.054	#####	Neo-G	HOXA10
ANKS1B. 6	#####	0.534545	0.337	0.08	#####	Neo-G	ANKS1B
NBEAL1. 4	#####	-1.04111	0.324	0.706	#####	Neo-G	NBEAL1
ARL4C. 5	#####	0.64313	0.692	0.34	#####	Neo-G	ARL4C
NKX2-5. 5	#####	0.609244	0.241	0.043	#####	Neo-G	NKX2-5
DDX5. 5	#####	0.27559	0.98	0.797	#####	Neo-G	DDX5
MDK. 6	#####	0.454049	0.874	0.444	#####	Neo-G	MDK
SRGAP3. 5	#####	0.641535	0.39	0.116	#####	Neo-G	SRGAP3
LUC7L3. 5	#####	0.506754	0.786	0.477	#####	Neo-G	LUC7L3
MYL12A. 6	#####	-1.09588	0.196	0.586	#####	Neo-G	MYL12A
SCGN	#####	0.357467	0.09	0.002	#####	Neo-G	SCGN
GRN. 7	#####	-1.01633	0.211	0.614	#####	Neo-G	GRN
RHOA. 5	#####	-0.75972	0.498	0.786	#####	Neo-G	RHOA
NGFRAP1. 6	#####	0.339628	0.963	0.605	#####	Neo-G	NGFRAP1
CXXC5. 7	#####	0.637719	0.665	0.345	#####	Neo-G	CXXC5
CTSB. 4	#####	-0.88925	0.532	0.784	#####	Neo-G	CTSB
CCT6A. 3	#####	0.437073	0.841	0.542	#####	Neo-G	CCT6A
GDI1. 6	#####	0.496626	0.761	0.452	#####	Neo-G	GDI1
AK1. 4	#####	0.574162	0.628	0.3	#####	Neo-G	AK1
KCNMB2. 2	#####	0.433861	0.16	0.017	#####	Neo-G	KCNMB2
KCNQ10T1.	#####	0.652169	0.572	0.242	#####	Neo-G	KCNQ10T1
MTX2. 4	#####	0.600051	0.604	0.287	#####	Neo-G	MTX2
NEUROD1. 4	#####	0.475621	0.174	0.021	#####	Neo-G	NEUROD1
ARMCX1. 6	#####	0.61828	0.483	0.18	#####	Neo-G	ARMCX1
CIB1. 6	#####	-1.08607	0.129	0.536	#####	Neo-G	CIB1
STOX2. 7	#####	0.616531	0.291	0.068	#####	Neo-G	STOX2
CD74. 6	#####	-0.97582	0.596	0.77	#####	Neo-G	CD74
HLA-DRB5.	#####	-1.60892	0.049	0.442	#####	Neo-G	HLA-DRB5
HSP90AB1.	#####	0.262453	0.98	0.801	#####	Neo-G	HSP90AB1
CEBPD. 4	#####	-1.10983	0.095	0.503	#####	Neo-G	CEBPD
B4GALNT1.	#####	0.691816	0.386	0.114	#####	Neo-G	B4GALNT1
TMEM196. 1	#####	0.384227	0.145	0.014	#####	Neo-G	TMEM196
ENO2. 7	#####	0.565406	0.574	0.249	#####	Neo-G	ENO2



RALYL. 2	#####	0.430087	0.152	0.015	#####	Neo-G	RALYL
YTHDF2. 5	#####	0.541585	0.699	0.398	#####	Neo-G	YTHDF2
YWHAE. 6	#####	0.299874	0.969	0.726	#####	Neo-G	YWHAE
SERP2. 5	#####	0.596577	0.308	0.076	#####	Neo-G	SERP2
SFPQ. 4	#####	0.482433	0.803	0.51	#####	Neo-G	SFPQ
CSNK1E. 6	#####	0.647099	0.582	0.273	#####	Neo-G	CSNK1E
TMEM246. 5	#####	0.483818	0.198	0.03	#####	Neo-G	TMEM246
HRK. 5	#####	0.631422	0.229	0.042	#####	Neo-G	HRK
CDC42EP3. 6	#####	0.592589	0.348	0.097	#####	Neo-G	CDC42EP3
ZNF3. 5	#####	0.648684	0.463	0.174	#####	Neo-G	ZNF3
TMEM59L. 6	#####	0.676895	0.523	0.226	#####	Neo-G	TMEM59L
PTPRN. 5	#####	0.509347	0.258	0.051	#####	Neo-G	PTPRN
HSF2. 4	#####	0.56256	0.336	0.091	#####	Neo-G	HSF2
XRCC5. 6	#####	0.43411	0.822	0.529	#####	Neo-G	XRCC5
CD68. 7	#####	-1.30964	0.101	0.483	#####	Neo-G	CD68
MAP4. 4	#####	0.606605	0.605	0.302	#####	Neo-G	MAP4
OLA1. 2	#####	0.475997	0.752	0.456	#####	Neo-G	OLA1
VAMP5. 3	#####	-1.24552	0.045	0.439	#####	Neo-G	VAMP5
KCNH2. 5	#####	0.49324	0.238	0.045	#####	Neo-G	KCNH2
ANXA1. 5	#####	-1.43294	0.068	0.451	#####	Neo-G	ANXA1
SPATS2. 5	#####	0.639351	0.518	0.227	#####	Neo-G	SPATS2
AES. 6	#####	0.579019	0.686	0.377	#####	Neo-G	AES
CD44. 4	#####	-1.2741	0.036	0.425	#####	Neo-G	CD44
PNMA1. 6	#####	0.658183	0.541	0.252	#####	Neo-G	PNMA1
STRAP. 4	#####	0.415077	0.811	0.522	#####	Neo-G	STRAP
TAC3. 2	#####	0.480459	0.13	0.011	#####	Neo-G	TAC3
EFNB3. 5	#####	0.548011	0.247	0.053	#####	Neo-G	EFNB3
RSBN1. 5	#####	0.642819	0.471	0.186	#####	Neo-G	RSBN1
CXCL16. 6	#####	-1.08835	0.101	0.496	#####	Neo-G	CXCL16
S100A6. 6	#####	-1.07	0.365	0.677	#####	Neo-G	S100A6
KDM1A. 5	#####	0.656098	0.448	0.173	#####	Neo-G	KDM1A
ZSCAN18. 5	#####	0.663799	0.485	0.201	#####	Neo-G	ZSCAN18
PHACTR3. 6	#####	0.475172	0.264	0.055	#####	Neo-G	PHACTR3
SGK1. 7	#####	-1.20171	0.094	0.478	#####	Neo-G	SGK1
BRD3. 6	#####	0.658306	0.531	0.243	#####	Neo-G	BRD3
PDZRN3. 5	#####	0.52666	0.213	0.038	#####	Neo-G	PDZRN3
PRDX2. 7	#####	0.278815	0.962	0.669	#####	Neo-G	PRDX2
SAMD14. 4	#####	0.522825	0.229	0.044	#####	Neo-G	SAMD14
ARPC1B. 7	#####	-1.06642	0.203	0.571	#####	Neo-G	ARPC1B
CEP170. 3	#####	0.650061	0.518	0.23	#####	Neo-G	CEP170
PIK3R3. 5	#####	0.543643	0.352	0.105	#####	Neo-G	PIK3R3
IGFBPL1	#####	0.258193	0.088	0.003	#####	Neo-G	IGFBPL1
RAB11B. 5	#####	0.477918	0.764	0.473	#####	Neo-G	RAB11B
USP11. 6	#####	0.560518	0.622	0.32	#####	Neo-G	USP11
ELOVL4. 5	#####	0.543142	0.258	0.058	#####	Neo-G	ELOVL4
RPS6KL1. 6	#####	0.613018	0.297	0.076	#####	Neo-G	RPS6KL1
CEBPB. 7	#####	-1.02481	0.092	0.477	#####	Neo-G	CEBPB
ODC1. 6	#####	0.580534	0.666	0.36	#####	Neo-G	ODC1
CTSD. 6	#####	-0.89048	0.342	0.675	#####	Neo-G	CTSD
PSMB9. 5	#####	-1.05388	0.056	0.448	#####	Neo-G	PSMB9
CAPG. 7	#####	-1.21958	0.084	0.455	#####	Neo-G	CAPG

CTSC. 7	#####	-1.28059	0.053	0.424	#####	Neo-G	CTSC
CHD3. 3	#####	0.589643	0.323	0.09	#####	Neo-G	CHD3
ARID4B. 6	#####	0.5472	0.665	0.374	#####	Neo-G	ARID4B
DPYSL4. 7	#####	0.660215	0.375	0.127	#####	Neo-G	DPYSL4
DDX25. 4	#####	0.408646	0.17	0.023	#####	Neo-G	DDX25
LEMD1. 4	#####	0.454427	0.185	0.029	#####	Neo-G	LEMD1
CYTH2. 5	#####	0.583552	0.596	0.31	#####	Neo-G	CYTH2
RSF1. 5	#####	0.535217	0.672	0.386	#####	Neo-G	RSF1
CASC15. 6	#####	0.592293	0.293	0.076	#####	Neo-G	CASC15
LSAMP. 5	#####	0.63365	0.407	0.143	#####	Neo-G	LSAMP
KIFAP3. 6	#####	0.606003	0.442	0.174	#####	Neo-G	KIFAP3
SMAD9. 5	#####	0.503987	0.237	0.05	#####	Neo-G	SMAD9
GNG2. 3	#####	0.57875	0.421	0.15	#####	Neo-G	GNG2
RHOG. 7	#####	-1.07945	0.075	0.45	#####	Neo-G	RHOG
HMG1. 4	#####	0.370036	0.899	0.636	#####	Neo-G	HMG1
KIF2A. 7	#####	0.656581	0.475	0.206	#####	Neo-G	KIF2A
KIAA0895L	#####	0.547889	0.275	0.069	#####	Neo-G	KIAA0895L
LMBR1L. 6	#####	0.589426	0.424	0.155	#####	Neo-G	LMBR1L
MORF4L2. 5	#####	0.36265	0.862	0.596	#####	Neo-G	MORF4L2
TYROBP. 7	#####	-1.35763	0.161	0.496	#####	Neo-G	TYROBP
KCNA5	#####	0.250315	0.084	0.003	#####	Neo-G	KCNA5
FEV	#####	0.383052	0.08	0.003	#####	Neo-G	FEV
STMN3. 5	#####	0.57364	0.563	0.276	#####	Neo-G	STMN3
DLGAP1. 4	#####	0.438386	0.181	0.029	#####	Neo-G	DLGAP1
MT1E. 6	#####	-1.3144	0.055	0.42	#####	Neo-G	MT1E
HECW1	#####	0.337428	0.129	0.013	#####	Neo-G	HECW1
ARHGDIB. 7	#####	-1.34818	0.058	0.41	#####	Neo-G	ARHGDIB
SCG2. 6	#####	0.625386	0.526	0.23	#####	Neo-G	SCG2
CLTB. 5	#####	0.537168	0.684	0.411	#####	Neo-G	CLTB
PPFIA2. 3	#####	0.401933	0.183	0.029	#####	Neo-G	PPFIA2
SVOP	#####	0.253825	0.094	0.005	#####	Neo-G	SVOP
IGSF21. 5	#####	0.532422	0.414	0.133	#####	Neo-G	IGSF21
HLA-DPB1.	#####	-1.25474	0.214	0.528	#####	Neo-G	HLA-DPB1
RNF175	#####	0.357143	0.152	0.019	#####	Neo-G	RNF175
C11orf96.	#####	0.650184	0.346	0.108	#####	Neo-G	C11orf96
NMNAT2	#####	0.327899	0.131	0.014	#####	Neo-G	NMNAT2
FBXO21. 5	#####	0.578886	0.561	0.277	#####	Neo-G	FBXO21
MALAT1. 7	#####	0.122991	0.998	0.995	#####	Neo-G	MALAT1
RGS10. 7	#####	-1.29379	0.028	0.38	#####	Neo-G	RGS10
DCLK2. 7	#####	0.622313	0.426	0.168	#####	Neo-G	DCLK2
SLAIN1. 7	#####	0.582333	0.441	0.174	#####	Neo-G	SLAIN1
GPR161. 7	#####	0.516748	0.255	0.062	#####	Neo-G	GPR161
SNCB. 1	#####	0.38736	0.144	0.017	#####	Neo-G	SNCB
TXN. 5	#####	0.309136	0.888	0.639	#####	Neo-G	TXN
CST3. 4	#####	-0.55937	0.705	0.797	#####	Neo-G	CST3
PGAP1. 6	#####	0.638397	0.406	0.156	#####	Neo-G	PGAP1
DUOX1. 7	#####	0.492878	0.219	0.044	#####	Neo-G	DUOX1
DYNLT1. 3	#####	0.3406	0.871	0.599	#####	Neo-G	DYNLT1
SPARC. 6	#####	-1.20863	0.068	0.422	#####	Neo-G	SPARC
STC1. 1	#####	0.38867	0.126	0.013	#####	Neo-G	STC1
CTSS. 7	#####	-1.2759	0.043	0.392	#####	Neo-G	CTSS

PTBP2. 5	#####	0. 521296	0. 299	0. 082	#####	Neo-G	PTBP2
HTRA1. 7	#####	-0. 91197	0. 128	0. 5	#####	Neo-G	HTRA1
YWHAB. 2	#####	0. 323175	0. 917	0. 677	#####	Neo-G	YWHAB
AP1S1. 6	#####	0. 41195	0. 731	0. 436	#####	Neo-G	AP1S1
NT5C3B. 6	#####	0. 565768	0. 574	0. 302	#####	Neo-G	NT5C3B
CITED2. 5	#####	0. 556471	0. 636	0. 318	#####	Neo-G	CITED2
DHPS. 5	#####	0. 460839	0. 71	0. 415	#####	Neo-G	DHPS
PTPN5	#####	0. 257183	0. 093	0. 005	#####	Neo-G	PTPN5
NDN. 7	#####	0. 696209	0. 412	0. 17	#####	Neo-G	NDN
ST7. 2	#####	0. 533115	0. 297	0. 083	#####	Neo-G	ST7
CLK1. 3	#####	0. 491207	0. 705	0. 388	#####	Neo-G	CLK1
GABRG2	#####	0. 223407	0. 079	0. 003	#####	Neo-G	GABRG2
S100A10. 7	#####	-1. 05912	0. 241	0. 582	#####	Neo-G	S100A10
GATM. 4	#####	-0. 93082	0. 037	0. 391	#####	Neo-G	GATM
ACO04540. 5	#####	0. 568735	0. 249	0. 059	#####	Neo-G	ACO04540. 5
TMEM14A. 6	#####	0. 516494	0. 577	0. 293	#####	Neo-G	TMEM14A
RP11-445F	#####	0. 518618	0. 135	0. 016	#####	Neo-G	RP11-445F12. 1
GPR85	#####	0. 35965	0. 137	0. 016	#####	Neo-G	GPR85
AMER2. 6	#####	0. 422537	0. 321	0. 089	#####	Neo-G	AMER2
PRR13. 5	#####	-0. 91876	0. 224	0. 582	#####	Neo-G	PRR13
NUDT11. 5	#####	0. 561946	0. 328	0. 102	#####	Neo-G	NUDT11
GADD45B. 4	#####	-1. 17529	0. 197	0. 526	#####	Neo-G	GADD45B
TMEM57. 5	#####	0. 595607	0. 396	0. 148	#####	Neo-G	TMEM57
ING4. 5	#####	0. 558009	0. 511	0. 237	#####	Neo-G	ING4
MYT1. 5	#####	0. 393638	0. 163	0. 024	#####	Neo-G	MYT1
CPVL. 7	#####	-1. 18009	0. 042	0. 386	#####	Neo-G	CPVL
TNFRSF1A. 6	#####	-0. 8564	0. 055	0. 41	#####	Neo-G	TNFRSF1A
CTSL. 7	#####	-0. 99567	0. 219	0. 561	#####	Neo-G	CTSL
TMEM179	#####	0. 331298	0. 128	0. 014	#####	Neo-G	TMEM179
PPP2R5B. 6	#####	0. 608195	0. 379	0. 14	#####	Neo-G	PPP2R5B
PTPRS. 7	#####	0. 652323	0. 499	0. 229	#####	Neo-G	PTPRS
PLSCR1. 7	#####	-1. 03135	0. 05	0. 397	#####	Neo-G	PLSCR1
NOL4. 5	#####	0. 455347	0. 218	0. 047	#####	Neo-G	NOL4
MARCH6. 6	#####	0. 549308	0. 596	0. 328	#####	Neo-G	6-Mar
GLUL. 3	#####	-0. 74912	0. 62	0. 807	#####	Neo-G	GLUL
HOXC6. 1	#####	0. 366243	0. 134	0. 016	#####	Neo-G	HOXC6
LAPTM4B. 7	#####	0. 57797	0. 581	0. 301	#####	Neo-G	LAPTM4B
LAMP2. 4	#####	-0. 92324	0. 152	0. 51	#####	Neo-G	LAMP2
ATP6VOE1. 5	#####	-0. 70669	0. 562	0. 785	#####	Neo-G	ATP6VOE1
LAPTM5. 7	#####	-1. 25543	0. 159	0. 47	#####	Neo-G	LAPTM5
TMEM150C. 6	#####	0. 406271	0. 174	0. 029	#####	Neo-G	TMEM150C
HLA-DMA. 7	#####	-1. 23305	0. 115	0. 444	#####	Neo-G	HLA-DMA
BOD1. 6	#####	0. 567444	0. 539	0. 274	#####	Neo-G	BOD1
RB1CC1. 5	#####	0. 591448	0. 513	0. 248	#####	Neo-G	RB1CC1
MPPED2. 5	#####	0. 527298	0. 262	0. 069	#####	Neo-G	MPPED2
LRCH2. 1	#####	0. 367096	0. 145	0. 02	#####	Neo-G	LRCH2
HPCA. 5	#####	0. 537772	0. 205	0. 042	#####	Neo-G	HPCA
RAB13. 6	#####	-1. 03806	0. 061	0. 409	#####	Neo-G	RAB13
RAB33A. 5	#####	0. 47395	0. 298	0. 083	#####	Neo-G	RAB33A
POLD4. 5	#####	-0. 91381	0. 102	0. 46	#####	Neo-G	POLD4
RGS1. 7	#####	-1. 28566	0. 174	0. 48	#####	Neo-G	RGS1

NAP1L5.5	#####	0.54072	0.333	0.11	#####	Neo-G	NAP1L5
FCER1G.7	#####	-1.27303	0.165	0.475	#####	Neo-G	FCER1G
PCP4.5	#####	0.471962	0.159	0.024	#####	Neo-G	PCP4
MTSS1.5	#####	0.522729	0.46	0.183	#####	Neo-G	MTSS1
METTL9.6	#####	0.480293	0.708	0.439	#####	Neo-G	METTL9
SEPP1.4	#####	-1.35657	0.034	0.364	#####	Neo-G	SEPP1
HLA-A.5	#####	-0.54612	0.816	0.906	#####	Neo-G	HLA-A
ENAH.6	#####	0.596446	0.493	0.236	#####	Neo-G	ENAH
ORC4.6	#####	0.565065	0.465	0.207	#####	Neo-G	ORC4
ST8SIA3	#####	0.280932	0.105	0.009	#####	Neo-G	ST8SIA3
SCML4	#####	0.225679	0.089	0.005	#####	Neo-G	SCML4
MS4A7.7	#####	-1.28907	0.043	0.367	#####	Neo-G	MS4A7
BCL11A.4	#####	0.439581	0.179	0.032	#####	Neo-G	BCL11A
KB-1980E6	#####	0.368179	0.123	0.014	#####	Neo-G	KB-1980E6.3
CREM.7	#####	-1.02062	0.101	0.444	#####	Neo-G	CREM
HLA-DQB1.	#####	-1.27878	0.038	0.36	#####	Neo-G	HLA-DQB1
MTMR9.5	#####	0.598624	0.405	0.163	#####	Neo-G	MTMR9
AIF1.7	#####	-1.26316	0.134	0.444	#####	Neo-G	AIF1
C3.6	#####	-1.18874	0.122	0.435	#####	Neo-G	C3
SH2D3C	#####	0.315463	0.126	0.015	#####	Neo-G	SH2D3C
MEX3B.5	#####	0.472574	0.208	0.045	#####	Neo-G	MEX3B
ROBO1.7	#####	0.682735	0.382	0.153	#####	Neo-G	ROBO1
SMKR1.4	#####	0.488935	0.223	0.052	#####	Neo-G	SMKR1
WRB.6	#####	0.398076	0.676	0.389	#####	Neo-G	WRB
GSTO1.6	#####	-0.94682	0.153	0.493	#####	Neo-G	GSTO1
TREM2.7	#####	-1.32651	0.068	0.385	#####	Neo-G	TREM2
WASF2.6	#####	-0.83888	0.13	0.476	#####	Neo-G	WASF2
HLA-DQA1.	#####	-1.35607	0.024	0.341	#####	Neo-G	HLA-DQA1
MAGEF1.6	#####	0.501054	0.605	0.334	#####	Neo-G	MAGEF1
DNAJA1.2	#####	0.339682	0.861	0.6	#####	Neo-G	DNAJA1
NPM2	#####	0.293816	0.097	0.008	#####	Neo-G	NPM2
GTF2I.6	#####	0.512788	0.639	0.401	#####	Neo-G	GTF2I
GLIPR1.6	#####	-1.03885	0.042	0.37	#####	Neo-G	GLIPR1
OLFM3	#####	0.269333	0.072	0.003	#####	Neo-G	OLFM3
CNRIP1.5	#####	0.556527	0.427	0.177	#####	Neo-G	CNRIP1
RNF24.4	#####	0.577397	0.469	0.221	#####	Neo-G	RNF24
NAPB.3	#####	0.483714	0.236	0.059	#####	Neo-G	NAPB
CALM3.6	#####	0.361935	0.823	0.564	#####	Neo-G	CALM3
PLIN3.4	#####	-0.86723	0.06	0.394	#####	Neo-G	PLIN3
RAB6A.6	#####	0.487935	0.625	0.366	#####	Neo-G	RAB6A
C4orf27.5	#####	0.486728	0.556	0.29	#####	Neo-G	C4orf27
ACO08060.	#####	0.313507	0.111	0.011	#####	Neo-G	ACO08060.7
SCPEP1.6	#####	-0.9842	0.053	0.382	#####	Neo-G	SCPEP1
VAMP8.7	#####	-1.22627	0.062	0.377	#####	Neo-G	VAMP8
TCEAL4.5	#####	0.333789	0.823	0.541	#####	Neo-G	TCEAL4
FNDC5	#####	0.249503	0.085	0.005	#####	Neo-G	FNDC5
PGM2L1.6	#####	0.507439	0.495	0.226	#####	Neo-G	PGM2L1
FXVD5.7	#####	-1.14876	0.057	0.375	#####	Neo-G	FXVD5
MEIS3.5	#####	0.575002	0.314	0.107	#####	Neo-G	MEIS3
CXCR4.5	#####	-1.18748	0.102	0.424	#####	Neo-G	CXCR4
LDHA.4	#####	-0.70744	0.606	0.786	#####	Neo-G	LDHA

FXXD7. 6	#####	0. 528719	0. 24	0. 058	#####	Neo-G	FXXD7
MAGED1. 6	#####	0. 482994	0. 584	0. 316	#####	Neo-G	MAGED1
B3GALNT1.	#####	0. 556644	0. 391	0. 158	#####	Neo-G	B3GALNT1
HOXD3	#####	0. 316656	0. 123	0. 015	#####	Neo-G	HOXD3
PROX1. 6	#####	0. 617265	0. 363	0. 14	#####	Neo-G	PROX1
ZNF117. 5	#####	0. 520466	0. 28	0. 084	#####	Neo-G	ZNF117
Clorf162.	#####	-1. 25832	0. 045	0. 356	#####	Neo-G	Clorf162
PSME1. 6	#####	-0. 82087	0. 285	0. 619	#####	Neo-G	PSME1
VSIG4. 7	#####	-1. 30951	0. 092	0. 398	#####	Neo-G	VSIG4
NBEA. 3	#####	0. 412122	0. 178	0. 034	#####	Neo-G	NBEA
ZNF300. 6	#####	0. 474959	0. 218	0. 051	#####	Neo-G	ZNF300
ZNF704. 6	#####	0. 562229	0. 307	0. 101	#####	Neo-G	ZNF704
LY86. 7	#####	-1. 23797	0. 016	0. 326	#####	Neo-G	LY86
LST1. 7	#####	-1. 20366	0. 035	0. 347	#####	Neo-G	LST1
PEBP1. 7	#####	0. 163986	0. 98	0. 782	#####	Neo-G	PEBP1
NRXN3	#####	0. 294467	0. 115	0. 013	#####	Neo-G	NRXN3
IFRD1. 6	#####	0. 404247	0. 736	0. 457	#####	Neo-G	IFRD1
PON2. 7	#####	-0. 90525	0. 154	0. 486	#####	Neo-G	PON2
CD14. 7	#####	-1. 22427	0. 142	0. 441	#####	Neo-G	CD14
NAT16	#####	0. 295892	0. 113	0. 012	#####	Neo-G	NAT16
CD53. 7	#####	-1. 21712	0. 04	0. 349	#####	Neo-G	CD53
CCER2. 6	#####	0. 446256	0. 191	0. 039	#####	Neo-G	CCER2
MTPN. 3	#####	0. 450554	0. 651	0. 405	#####	Neo-G	MTPN
RP5-1177M	#####	0. 483285	0. 168	0. 03	#####	Neo-G	RP5-1177M21. 1
RND1. 3	#####	0. 40939	0. 209	0. 046	#####	Neo-G	RND1
SET. 4	#####	0. 365179	0. 777	0. 534	#####	Neo-G	SET
CD37. 7	#####	-1. 20798	0. 028	0. 334	#####	Neo-G	CD37
PRKCZ. 7	#####	0. 481803	0. 272	0. 079	#####	Neo-G	PRKCZ
PNISR. 4	#####	0. 340625	0. 84	0. 584	#####	Neo-G	PNISR
ALOX5AP. 7	#####	-1. 23501	0. 134	0. 431	#####	Neo-G	ALOX5AP
PPP2R1A. 4	#####	0. 374695	0. 743	0. 487	#####	Neo-G	PPP2R1A
C1QA. 7	#####	-1. 09534	0. 312	0. 565	#####	Neo-G	C1QA
SEC11A. 6	#####	-0. 7982	0. 313	0. 625	#####	Neo-G	SEC11A
APC. 7	#####	0. 577652	0. 422	0. 188	#####	Neo-G	APC
HNRNPK. 5	#####	0. 220633	0. 949	0. 769	#####	Neo-G	HNRNPK
ZNF512. 5	#####	0. 507171	0. 307	0. 101	#####	Neo-G	ZNF512
CHI3L1. 6	#####	-1. 5522	0. 294	0. 552	#####	Neo-G	CHI3L1
TFAP2A. 4	#####	0. 412456	0. 146	0. 023	#####	Neo-G	TFAP2A
NRSN1. 5	#####	0. 434961	0. 196	0. 043	#####	Neo-G	NRSN1
RP6-65G23	#####	0. 253526	0. 079	0. 005	#####	Neo-G	RP6-65G23. 3
WASF1. 4	#####	0. 458587	0. 26	0. 074	#####	Neo-G	WASF1
NAP1L4. 5	#####	0. 462089	0. 625	0. 376	#####	Neo-G	NAP1L4
MS4A6A. 7	#####	-1. 26158	0. 074	0. 373	#####	Neo-G	MS4A6A
CTSH. 7	#####	-1. 08991	0. 027	0. 328	#####	Neo-G	CTSH
CADM2. 6	#####	0. 553818	0. 405	0. 162	#####	Neo-G	CADM2
HLA-DMB. 6	#####	-1. 22559	0. 052	0. 353	#####	Neo-G	HLA-DMB
PGRMC1. 5	#####	0. 452791	0. 681	0. 419	#####	Neo-G	PGRMC1
CACNG2	#####	0. 278089	0. 086	0. 006	#####	Neo-G	CACNG2
XKR4. 5	#####	0. 43336	0. 189	0. 041	#####	Neo-G	XKR4
FCGR3A. 7	#####	-1. 24002	0. 077	0. 373	#####	Neo-G	FCGR3A
DOK4. 5	#####	0. 390451	0. 166	0. 032	#####	Neo-G	DOK4

KDM5B. 6	#####	0.578708	0.353	0.139	#####	Neo-G	KDM5B
C1QC. 7	#####	-1.15516	0.276	0.529	#####	Neo-G	C1QC
NECAP1. 4	#####	0.505125	0.412	0.172	#####	Neo-G	NECAP1
KLF6. 6	#####	-0.87161	0.258	0.564	#####	Neo-G	KLF6
SYNGR2. 7	#####	-0.89758	0.051	0.362	#####	Neo-G	SYNGR2
CERS6. 4	#####	0.521427	0.306	0.104	#####	Neo-G	CERS6
FCGR2A. 7	#####	-1.14448	0.025	0.321	#####	Neo-G	FCGR2A
ATXN10. 3	#####	0.448012	0.648	0.393	#####	Neo-G	ATXN10
GMFG. 7	#####	-1.15421	0.034	0.33	#####	Neo-G	GMFG
HCLS1. 7	#####	-1.13705	0.027	0.322	#####	Neo-G	HCLS1
VPS37D. 5	#####	0.461925	0.193	0.044	#####	Neo-G	VPS37D
DGUOK. 4	#####	0.347357	0.735	0.489	#####	Neo-G	DGUOK
RP11-161M	#####	0.55414	0.371	0.142	#####	Neo-G	RP11-161M6. 2
TPGS2. 3	#####	0.509674	0.554	0.312	#####	Neo-G	TPGS2
BEX4. 6	#####	0.353419	0.738	0.445	#####	Neo-G	BEX4
RALA. 4	#####	0.506342	0.574	0.334	#####	Neo-G	RALA
FBLN1. 6	#####	0.557079	0.244	0.066	#####	Neo-G	FBLN1
KIF21B. 1	#####	0.297205	0.123	0.016	#####	Neo-G	KIF21B
SOX2. 7	#####	0.455378	0.715	0.395	#####	Neo-G	SOX2
PLAUR. 7	#####	-1.14134	0.103	0.399	#####	Neo-G	PLAUR
SIAH1. 5	#####	0.535496	0.445	0.202	#####	Neo-G	SIAH1
RAB34. 4	#####	-0.85395	0.021	0.315	#####	Neo-G	RAB34
SP100. 6	#####	-0.98837	0.023	0.319	#####	Neo-G	SP100
KMT2A. 7	#####	0.547306	0.445	0.211	#####	Neo-G	KMT2A
DNASE2. 5	#####	-0.83288	0.1	0.418	#####	Neo-G	DNASE2
GSPT2. 5	#####	0.569349	0.334	0.127	#####	Neo-G	GSPT2
RNF165. 6	#####	0.436089	0.207	0.05	#####	Neo-G	RNF165
PTS. 6	#####	0.447952	0.546	0.3	#####	Neo-G	PTS
PSMB8. 5	#####	-0.80191	0.121	0.451	#####	Neo-G	PSMB8
ADD2. 5	#####	0.477814	0.244	0.069	#####	Neo-G	ADD2
S100A16. 6	#####	-1.11843	0.041	0.339	#####	Neo-G	S100A16
ARMCX3. 5	#####	0.415704	0.658	0.402	#####	Neo-G	ARMCX3
PPM1G. 6	#####	0.464356	0.633	0.392	#####	Neo-G	PPM1G
PPP1R1A	#####	0.273479	0.078	0.005	#####	Neo-G	PPP1R1A
SPSB3. 4	#####	0.47581	0.537	0.276	#####	Neo-G	SPSB3
AGTRAP. 4	#####	-0.89323	0.02	0.313	#####	Neo-G	AGTRAP
MPLKIP. 3	#####	0.408403	0.671	0.417	#####	Neo-G	MPLKIP
CKLF. 7	#####	-0.80816	0.236	0.554	#####	Neo-G	CKLF
GAD1. 7	#####	0.533218	0.284	0.092	#####	Neo-G	GAD1
ZNF91. 4	#####	0.518199	0.416	0.184	1.17E-99	Neo-G	ZNF91
HCST. 7	#####	-1.17779	0.027	0.316	1.44E-99	Neo-G	HCST
CNTFR. 6	#####	0.545892	0.308	0.108	1.54E-99	Neo-G	CNTFR
TSPAN5. 7	#####	0.529064	0.476	0.236	3.25E-99	Neo-G	TSPAN5
TSPO. 6	#####	-0.7151	0.312	0.629	3.35E-99	Neo-G	TSPO
DGCR5. 3	#####	0.350173	0.123	0.017	3.70E-99	Neo-G	DGCR5
SLC16A3. 7	#####	-0.95924	0.056	0.352	5.78E-99	Neo-G	SLC16A3
CACNA2D3.	#####	0.314992	0.13	0.019	6.12E-99	Neo-G	CACNA2D3
LIPA. 6	#####	-0.91712	0.064	0.367	7.02E-99	Neo-G	LIPA
ITGB2. 7	#####	-1.12487	0.068	0.355	8.43E-99	Neo-G	ITGB2
ATP8A2	#####	0.161688	0.057	0.002	1.40E-98	Neo-G	ATP8A2
POU2F1. 6	#####	0.56491	0.35	0.138	1.48E-98	Neo-G	POU2F1

NXN. 4	#####	0. 366614	0. 14	0. 023	1. 61E-98	Neo-G	NXN
NAMPT. 6	#####	-1. 05394	0. 167	0. 47	1. 84E-98	Neo-G	NAMPT
HRAS. 6	#####	0. 554291	0. 497	0. 269	2. 31E-98	Neo-G	HRAS
RNPS1. 2	#####	0. 352785	0. 752	0. 508	3. 10E-98	Neo-G	RNPS1
SUMO2. 5	#####	0. 148842	0. 967	0. 804	3. 47E-98	Neo-G	SUMO2
PRKAR1B. 4	#####	0. 498813	0. 306	0. 106	4. 84E-98	Neo-G	PRKAR1B
PRDM8. 2	#####	0. 343692	0. 125	0. 018	5. 47E-98	Neo-G	PRDM8
S100A13. 5	#####	-1. 01151	0. 035	0. 328	6. 78E-98	Neo-G	S100A13
NCBP2. 5	#####	0. 403923	0. 654	0. 414	8. 01E-98	Neo-G	NCBP2
YWHAH. 7	#####	0. 403646	0. 809	0. 535	8. 65E-98	Neo-G	YWHAH
IFITM2. 7	#####	-1. 06046	0. 026	0. 314	1. 03E-97	Neo-G	IFITM2
ST18. 3	#####	0. 368304	0. 15	0. 026	1. 15E-97	Neo-G	ST18
SOD2. 4	#####	-1. 05444	0. 292	0. 566	1. 67E-97	Neo-G	SOD2
LIMS1. 7	#####	-0. 80832	0. 162	0. 473	1. 71E-97	Neo-G	LIMS1
RNASE6. 7	#####	-1. 14693	0. 023	0. 306	2. 38E-97	Neo-G	RNASE6
BAZ1B. 6	#####	0. 549957	0. 503	0. 273	3. 62E-97	Neo-G	BAZ1B
VAX2. 6	#####	0. 49413	0. 225	0. 062	4. 02E-97	Neo-G	VAX2
RIC3. 5	#####	0. 438548	0. 452	0. 204	5. 70E-97	Neo-G	RIC3
POU3F3. 6	#####	0. 561443	0. 338	0. 132	6. 70E-97	Neo-G	POU3F3
SMARCE1. 4	#####	0. 449245	0. 594	0. 352	7. 58E-97	Neo-G	SMARCE1
RAP1A. 7	#####	-0. 78669	0. 239	0. 549	1. 06E-96	Neo-G	RAP1A
GPR19. 3	#####	0. 373562	0. 161	0. 031	1. 45E-96	Neo-G	GPR19
SLC37A3. 5	#####	0. 504584	0. 307	0. 108	1. 49E-96	Neo-G	SLC37A3
MAGEE1	#####	0. 227117	0. 096	0. 01	1. 56E-96	Neo-G	MAGEE1
SCAMP2. 7	#####	-0. 84458	0. 097	0. 408	1. 84E-96	Neo-G	SCAMP2
TBCB. 5	#####	0. 278342	0. 883	0. 631	2. 46E-96	Neo-G	TBCB
ATP6V1H. 1	#####	0. 445363	0. 55	0. 295	4. 06E-96	Neo-G	ATP6V1H
BSDC1. 5	#####	0. 502609	0. 501	0. 265	1. 16E-95	Neo-G	BSDC1
DLGAP4. 4	1. 92E-99	0. 497743	0. 5	0. 268	2. 88E-95	Neo-G	DLGAP4
GNB2. 4	2. 38E-99	0. 369035	0. 789	0. 542	3. 55E-95	Neo-G	GNB2
UBE2I. 3	3. 06E-99	0. 319173	0. 788	0. 551	4. 57E-95	Neo-G	UBE2I
ARID4A. 3	4. 00E-99	0. 49678	0. 493	0. 248	5. 98E-95	Neo-G	ARID4A
SPARCL1. 6	5. 70E-99	-1. 08766	0. 084	0. 377	8. 51E-95	Neo-G	SPARCL1
VAMP3. 5	5. 85E-99	-0. 76762	0. 075	0. 381	8. 74E-95	Neo-G	VAMP3
ZNF292. 5	6. 75E-99	0. 544756	0. 468	0. 239	1. 01E-94	Neo-G	ZNF292
PRPSAP2. 4	8. 30E-99	0. 485034	0. 478	0. 241	1. 24E-94	Neo-G	PRPSAP2
CD164. 6	9. 84E-99	-0. 74201	0. 211	0. 524	1. 47E-94	Neo-G	CD164
PLA2G16. 6	9. 90E-99	-0. 87341	0. 121	0. 439	1. 48E-94	Neo-G	PLA2G16
SLC39A6. 5	1. 08E-98	0. 478711	0. 535	0. 303	1. 61E-94	Neo-G	SLC39A6
GYPC. 7	1. 28E-98	-0. 9286	0. 052	0. 341	1. 91E-94	Neo-G	GYPC
GNAI1. 5	2. 38E-98	0. 441076	0. 273	0. 085	3. 56E-94	Neo-G	GNAI1
LRRC24. 5	3. 08E-98	0. 457313	0. 203	0. 052	4. 60E-94	Neo-G	LRRC24
PDAP1. 4	3. 10E-98	0. 325372	0. 761	0. 508	4. 63E-94	Neo-G	PDAP1
VBP1. 5	3. 21E-98	0. 344622	0. 708	0. 46	4. 79E-94	Neo-G	VBP1
GRIN2B	4. 20E-98	0. 243873	0. 092	0. 009	6. 27E-94	Neo-G	GRIN2B
AFF3. 4	4. 29E-98	0. 38761	0. 175	0. 038	6. 42E-94	Neo-G	AFF3
MAP1LC3B. 5	6. 64E-98	0. 367046	0. 78	0. 54	8. 43E-94	Neo-G	MAP1LC3B
ZNF667-AS	5. 78E-98	0. 368447	0. 621	0. 36	8. 64E-94	Neo-G	ZNF667-AS1
EI24. 4	7. 73E-98	0. 412533	0. 643	0. 408	1. 16E-93	Neo-G	EI24
FKBP4. 5	8. 47E-98	0. 509175	0. 528	0. 296	1. 27E-93	Neo-G	FKBP4
KCTD13. 6	1. 29E-97	0. 545004	0. 313	0. 117	1. 93E-93	Neo-G	KCTD13

CCDC167.4	1.35E-97	0.428912	0.604	0.356	2.01E-93	Neo-G	CCDC167
RP11-25K1	1.40E-97	0.566632	0.255	0.082	2.09E-93	Neo-G	RP11-25K19.1
FRRS1L	1.50E-97	0.269004	0.112	0.015	2.24E-93	Neo-G	FRRS1L
MS4A4A.7	1.66E-97	-1.17349	0.039	0.316	2.48E-93	Neo-G	MS4A4A
UBQLN2.7	1.91E-97	0.538798	0.421	0.196	2.86E-93	Neo-G	UBQLN2
CCDC90B.6	2.55E-97	0.376065	0.632	0.382	3.80E-93	Neo-G	CCDC90B
C1QB.7	3.42E-97	-0.99497	0.386	0.592	5.11E-93	Neo-G	C1QB
MCM7.6	4.33E-97	0.451204	0.485	0.226	6.47E-93	Neo-G	MCM7
HOXB2.4	4.97E-97	0.454873	0.236	0.066	7.42E-93	Neo-G	HOXB2
AP1S2.5	6.85E-97	0.443628	0.708	0.475	1.02E-92	Neo-G	AP1S2
DYNC1LI1.7	0.8E-97	0.473875	0.48	0.241	1.06E-92	Neo-G	DYNC1LI1
CSF1R.7	8.46E-97	-1.08152	0.024	0.297	1.26E-92	Neo-G	CSF1R
LMO3.4	1.52E-96	0.507892	0.231	0.065	2.28E-92	Neo-G	LMO3
RNF11.5	1.93E-96	0.509092	0.515	0.283	2.88E-92	Neo-G	RNF11
VASH2	2.27E-96	0.283317	0.104	0.013	3.40E-92	Neo-G	VASH2
TPT1.5	2.31E-96	-0.41624	0.951	0.953	3.45E-92	Neo-G	TPT1
SESTD1.4	3.77E-96	0.524537	0.343	0.136	5.63E-92	Neo-G	SESTD1
WDR47.3	3.87E-96	0.462732	0.264	0.084	5.79E-92	Neo-G	WDR47
NOVA2.5	4.46E-96	0.445575	0.223	0.063	6.66E-92	Neo-G	NOVA2
HIST1H4C.7	2.8E-96	0.402785	0.668	0.395	1.09E-91	Neo-G	HIST1H4C
C10orf54.9	5.7E-96	-1.08205	0.044	0.318	1.43E-91	Neo-G	C10orf54
LAP3.5	1.81E-95	-0.82311	0.223	0.524	2.71E-91	Neo-G	LAP3
SFT2D1.7	2.09E-95	-0.74148	0.23	0.534	3.13E-91	Neo-G	SFT2D1
HOPX.6	2.28E-95	-1.16942	0.039	0.312	3.41E-91	Neo-G	HOPX
FUBP1.6	2.61E-95	0.48746	0.43	0.199	3.90E-91	Neo-G	FUBP1
RASSF4.7	3.63E-95	-0.865	0.07	0.361	5.43E-91	Neo-G	RASSF4
PFDN2.3	4.13E-95	0.259393	0.818	0.585	6.17E-91	Neo-G	PFDN2
CCDC88A.5	4.45E-95	0.426329	0.627	0.391	6.65E-91	Neo-G	CCDC88A
PYCARD.7	4.65E-95	-0.98657	0.039	0.314	6.95E-91	Neo-G	PYCARD
ARF5.1	5.89E-95	0.387312	0.739	0.503	8.80E-91	Neo-G	ARF5
SRGN.7	6.21E-95	-1.06497	0.31	0.522	9.28E-91	Neo-G	SRGN
PSMD2.4	1.00E-94	0.388515	0.664	0.437	1.49E-90	Neo-G	PSMD2
CAMLG.6	1.04E-94	0.33489	0.701	0.469	1.55E-90	Neo-G	CAMLG
HNRNPM.5	3.49E-94	0.374724	0.745	0.519	5.22E-90	Neo-G	HNRNPM
DNAJB9.4	3.70E-94	0.322321	0.643	0.353	5.53E-90	Neo-G	DNAJB9
4-Mar	6.48E-94	0.196174	0.053	0.002	9.68E-90	Neo-G	4-Mar
HID1.4	8.75E-94	0.385749	0.17	0.038	1.31E-89	Neo-G	HID1
KAT6B.4	8.97E-94	0.46866	0.289	0.101	1.34E-89	Neo-G	KAT6B
LINC00237	1.09E-93	0.315762	0.131	0.022	1.63E-89	Neo-G	LINC00237
SERPINA1.1	2.2E-93	-1.0787	0.057	0.329	1.82E-89	Neo-G	SERPINA1
MPP3	1.27E-93	0.308932	0.125	0.02	1.89E-89	Neo-G	MPP3
SLC22A17.1	6.2E-93	0.538418	0.492	0.259	2.42E-89	Neo-G	SLC22A17
PCDHB7.5	2.08E-93	0.409443	0.207	0.054	3.11E-89	Neo-G	PCDHB7
ASRGL1.6	3.17E-93	0.516106	0.396	0.177	4.73E-89	Neo-G	ASRGL1
PPT1.6	8.54E-93	-0.7154	0.306	0.586	1.28E-88	Neo-G	PPT1
PRKX.3	1.02E-92	0.43971	0.276	0.092	1.52E-88	Neo-G	PRKX
IFI6.4	1.07E-92	-0.81904	0.137	0.439	1.59E-88	Neo-G	IFI6
SERPINB1.1	2.3E-92	-1.04611	0.03	0.296	1.83E-88	Neo-G	SERPINB1
FPR1.7	1.36E-92	-1.15309	0.046	0.313	2.03E-88	Neo-G	FPR1
RBFOX1	1.43E-92	0.220585	0.058	0.002	2.13E-88	Neo-G	RBFOX1
CTSA.7	1.43E-92	-0.73821	0.131	0.432	2.14E-88	Neo-G	CTSA



RHOBTB3.7	1.47E-92	0.4282	0.639	0.38	2.19E-88	Neo-G	RHOBTB3
DNAJB5.2	1.70E-92	0.431789	0.222	0.063	2.53E-88	Neo-G	DNAJB5
GFOD2.4	1.97E-92	0.495528	0.3	0.111	2.94E-88	Neo-G	GFOD2
FCGR1A.7	2.36E-92	-1.12229	0.024	0.287	3.53E-88	Neo-G	FCGR1A
CLGN.2	2.97E-92	0.325488	0.137	0.024	4.44E-88	Neo-G	CLGN
NAE1.4	3.94E-92	0.432219	0.551	0.315	5.90E-88	Neo-G	NAE1
EIF1B.6	5.29E-92	0.280869	0.799	0.562	7.91E-88	Neo-G	EIF1B
DPYSL5.7	6.38E-92	0.525527	0.341	0.141	9.54E-88	Neo-G	DPYSL5
PBRM1.5	1.08E-91	0.496788	0.436	0.216	1.61E-87	Neo-G	PBRM1
C7orf50.2	1.18E-91	0.36442	0.72	0.482	1.77E-87	Neo-G	C7orf50
PSAP.4	1.72E-91	-0.51592	0.74	0.828	2.57E-87	Neo-G	PSAP
RILPL2.7	1.94E-91	-0.88306	0.021	0.287	2.89E-87	Neo-G	RILPL2
SRP9.4	2.38E-91	0.223484	0.872	0.658	3.55E-87	Neo-G	SRP9
HSD11B1L.2	2.53E-91	0.545587	0.388	0.182	3.78E-87	Neo-G	HSD11B1L
GPR34.7	2.99E-91	-1.10234	0.032	0.295	4.47E-87	Neo-G	GPR34
C8orf46.5	3.11E-91	0.469065	0.319	0.118	4.65E-87	Neo-G	C8orf46
GPSM3.7	4.80E-91	-1.03507	0.028	0.291	7.17E-87	Neo-G	GPSM3
HDAC9.5	5.98E-91	0.475343	0.294	0.105	8.94E-87	Neo-G	HDAC9
FBXO11.5	6.17E-91	0.519791	0.397	0.183	9.22E-87	Neo-G	FBXO11
KIF5A.6	6.23E-91	0.640874	0.285	0.102	9.31E-87	Neo-G	KIF5A
HTATSF1.3	7.41E-91	0.505455	0.474	0.25	1.11E-86	Neo-G	HTATSF1
STRBP.7	7.82E-91	0.495451	0.289	0.107	1.17E-86	Neo-G	STRBP
RIMKLB.5	1.27E-90	0.520943	0.324	0.129	1.90E-86	Neo-G	RIMKLB
TGFB1.7	1.68E-90	-0.72722	0.013	0.273	2.50E-86	Neo-G	TGFB1
RAMP1.6	2.09E-90	-0.97642	0.145	0.444	3.12E-86	Neo-G	RAMP1
RHBDD2.6	2.35E-90	0.365434	0.67	0.433	3.52E-86	Neo-G	RHBDD2
ANK3.6	2.38E-90	0.350075	0.186	0.045	3.56E-86	Neo-G	ANK3
CCT2.2	2.80E-90	0.338441	0.754	0.52	4.19E-86	Neo-G	CCT2
BUD31.5	2.83E-90	0.238133	0.841	0.602	4.23E-86	Neo-G	BUD31
LANCL2.7	3.62E-90	0.494665	0.333	0.13	5.41E-86	Neo-G	LANCL2
CCDC28B.6	4.22E-90	0.510232	0.408	0.196	6.30E-86	Neo-G	CCDC28B
CD81.6	5.31E-90	-0.72918	0.163	0.472	7.94E-86	Neo-G	CD81
SLC11A1.7	5.51E-90	-0.98249	0.064	0.334	8.24E-86	Neo-G	SLC11A1
ZNF804A.1	6.01E-90	0.335808	0.139	0.026	8.98E-86	Neo-G	ZNF804A
TMX1.4	6.79E-90	-0.70776	0.131	0.436	1.01E-85	Neo-G	TMX1
CTNNA2.5	7.67E-90	0.398201	0.181	0.043	1.15E-85	Neo-G	CTNNA2
SOBP.6	2.13E-89	0.522213	0.299	0.114	3.18E-85	Neo-G	SOBP
LDOC1.6	2.55E-89	0.382649	0.236	0.07	3.81E-85	Neo-G	LDOC1
TOP2B.7	2.92E-89	0.52165	0.427	0.214	4.36E-85	Neo-G	TOP2B
PSD2.4	5.12E-89	0.335133	0.145	0.028	7.65E-85	Neo-G	PSD2
RAMP2.6	8.12E-89	0.548328	0.302	0.115	1.21E-84	Neo-G	RAMP2
MED19.3	8.18E-89	0.461415	0.481	0.257	1.22E-84	Neo-G	MED19
ILF2.4	9.97E-89	0.286137	0.786	0.548	1.49E-84	Neo-G	ILF2
PDPN.3	1.01E-88	-0.83682	0.176	0.483	1.51E-84	Neo-G	PDPN
IL13RA1.7	1.16E-88	-0.76407	0.018	0.277	1.73E-84	Neo-G	IL13RA1
PRR4.7	1.48E-88	0.504499	0.406	0.193	2.21E-84	Neo-G	PRR4
CAMK4	1.91E-88	0.242478	0.106	0.015	2.85E-84	Neo-G	CAMK4
MLLT4.6	2.52E-88	0.574086	0.334	0.141	3.76E-84	Neo-G	MLLT4
CACNA1A.6	3.63E-88	0.516079	0.247	0.077	5.42E-84	Neo-G	CACNA1A
IFI16.5	4.92E-88	-0.83499	0.142	0.424	7.35E-84	Neo-G	IFI16
ZC4H2.4	5.49E-88	0.371435	0.167	0.038	8.21E-84	Neo-G	ZC4H2

LRRN3.6	9.66E-88	0.479159	0.272	0.094	1.44E-83	Neo-G	LRRN3
CHCHD10.5	1.14E-87	-0.67869	0.124	0.412	1.71E-83	Neo-G	CHCHD10
MAP6.5	1.40E-87	0.490239	0.24	0.079	2.09E-83	Neo-G	MAP6
SNX5.4	2.46E-87	-0.6987	0.137	0.426	3.68E-83	Neo-G	SNX5
ARHGEF7.5	3.02E-87	0.45972	0.338	0.136	4.52E-83	Neo-G	ARHGEF7
PLP2.6	3.49E-87	-0.81957	0.09	0.375	5.22E-83	Neo-G	PLP2
PHIP.4	3.80E-87	0.462914	0.537	0.307	5.67E-83	Neo-G	PHIP
KBTBD6.5	4.86E-87	0.468325	0.296	0.111	7.26E-83	Neo-G	KBTBD6
BPGM.3	6.96E-87	0.470979	0.427	0.21	1.04E-82	Neo-G	BPGM
LGALS3BP.9	2.7E-87	-0.79645	0.203	0.479	1.39E-82	Neo-G	LGALS3BP
RAB20.6	1.12E-86	-0.87582	0.013	0.263	1.67E-82	Neo-G	RAB20
SNAP91	1.18E-86	0.242803	0.081	0.008	1.76E-82	Neo-G	SNAP91
LILRB4.7	1.19E-86	-1.04752	0.03	0.283	1.78E-82	Neo-G	LILRB4
ANKMY2.3	2.42E-86	0.430768	0.277	0.098	3.62E-82	Neo-G	ANKMY2
COX7A2.2	2.94E-86	0.154727	0.965	0.791	4.39E-82	Neo-G	COX7A2
TMEM160.6	3.78E-86	0.416407	0.672	0.441	5.65E-82	Neo-G	TMEM160
ANKRD12.2	4.69E-86	0.367137	0.633	0.4	7.01E-82	Neo-G	ANKRD12
RARRES3.3	5.06E-86	-0.97737	0.018	0.271	7.56E-82	Neo-G	RARRES3
CALM1.7	5.62E-86	0.255592	0.963	0.748	8.40E-82	Neo-G	CALM1
ACAP3.7	7.66E-86	0.520268	0.405	0.193	1.14E-81	Neo-G	ACAP3
SAMSN1.7	7.74E-86	-1.00597	0.027	0.279	1.16E-81	Neo-G	SAMSN1
LRRC40.3	8.01E-86	0.448511	0.312	0.122	1.20E-81	Neo-G	LRRC40
EPB41L2.5	1.29E-85	-0.75568	0.068	0.34	1.93E-81	Neo-G	EPB41L2
TSN.4	1.39E-85	0.393853	0.58	0.352	2.08E-81	Neo-G	TSN
TBXAS1.7	1.62E-85	-0.991	0.02	0.268	2.42E-81	Neo-G	TBXAS1
GSK3B.4	1.63E-85	0.522207	0.377	0.176	2.44E-81	Neo-G	GSK3B
TMBIM1.4	2.18E-85	-0.76212	0.019	0.272	3.26E-81	Neo-G	TMBIM1
BCAS2.2	2.37E-85	0.297754	0.686	0.436	3.54E-81	Neo-G	BCAS2
CKB.7	2.46E-85	0.341624	0.918	0.541	3.68E-81	Neo-G	CKB
RRAGA.2	2.56E-85	0.426129	0.589	0.365	3.82E-81	Neo-G	RRAGA
CYBA.7	3.19E-85	-0.98715	0.194	0.43	4.76E-81	Neo-G	CYBA
CARD16.5	3.22E-85	-0.90309	0.01	0.256	4.81E-81	Neo-G	CARD16
OLFM2.5	3.58E-85	0.473136	0.384	0.168	5.35E-81	Neo-G	OLFM2
LINC00152	3.81E-85	-0.77989	0.029	0.286	5.70E-81	Neo-G	LINC00152
FAIM2.6	5.28E-85	0.394797	0.383	0.168	7.89E-81	Neo-G	FAIM2
APOC1.6	5.74E-85	-0.96449	0.327	0.539	8.57E-81	Neo-G	APOC1
HNRNPH3.6	5.89E-85	0.375708	0.65	0.42	8.80E-81	Neo-G	HNRNPH3
ARL6IP1.3	9.01E-85	0.208423	0.91	0.721	1.35E-80	Neo-G	ARL6IP1
H2AFJ.7	1.32E-84	-0.74472	0.029	0.287	1.97E-80	Neo-G	H2AFJ
UBE2S.6	2.07E-84	0.395936	0.554	0.319	3.09E-80	Neo-G	UBE2S
PFDN4.5	3.09E-84	0.448385	0.547	0.336	4.61E-80	Neo-G	PFDN4
SETBP1.5	3.69E-84	0.400426	0.203	0.058	5.51E-80	Neo-G	SETBP1
TRAF4.6	3.92E-84	0.471607	0.467	0.245	5.85E-80	Neo-G	TRAF4
LPAR6.7	4.08E-84	-0.85133	0.017	0.264	6.09E-80	Neo-G	LPAR6
GATS.4	5.92E-84	0.362437	0.185	0.048	8.85E-80	Neo-G	GATS
DRAXIN.6	7.63E-84	0.516362	0.319	0.132	1.14E-79	Neo-G	DRAXIN
C1QBP.4	1.06E-83	0.344031	0.776	0.527	1.59E-79	Neo-G	C1QBP
STOM.6	1.49E-83	-0.84837	0.028	0.278	2.23E-79	Neo-G	STOM
DMTN	2.07E-83	0.228503	0.091	0.011	3.09E-79	Neo-G	DMTN
YPEL4.2	2.35E-83	0.336991	0.141	0.028	3.52E-79	Neo-G	YPEL4
LGALS9.7	2.42E-83	-0.95207	0.022	0.267	3.62E-79	Neo-G	LGALS9

ATP6VOA1. 2.	4.3E-83	0.421634	0.486	0.261	3.64E-79	Neo-G	ATP6VOA1
TMED10. 3	3.38E-83	-0.67727	0.382	0.641	5.06E-79	Neo-G	TMED10
SEMA6C	3.54E-83	0.314322	0.12	0.021	5.29E-79	Neo-G	SEMA6C
IGFBP7. 5	3.73E-83	-0.89541	0.044	0.296	5.58E-79	Neo-G	IGFBP7
OSTF1. 7	4.08E-83	-0.83074	0.057	0.32	6.10E-79	Neo-G	OSTF1
TMEM106B. 4.	1.9E-83	0.425836	0.526	0.307	6.26E-79	Neo-G	TMEM106B
SLC35B4. 4	7.09E-83	0.496167	0.369	0.169	1.06E-78	Neo-G	SLC35B4
CASP4. 7	7.86E-83	-0.81671	0.012	0.254	1.18E-78	Neo-G	CASP4
DCTN2. 2	8.36E-83	0.379211	0.708	0.483	1.25E-78	Neo-G	DCTN2
MEST. 6	1.01E-82	0.420606	0.614	0.359	1.52E-78	Neo-G	MEST
ZDHHC13	1.40E-82	0.336392	0.183	0.047	2.09E-78	Neo-G	ZDHHC13
RNASET2. 7	1.58E-82	-0.84484	0.266	0.509	2.36E-78	Neo-G	RNASET2
GSTM3. 5	1.89E-82	0.402557	0.467	0.244	2.82E-78	Neo-G	GSTM3
CASP1. 6	1.89E-82	-0.81843	0.012	0.252	2.82E-78	Neo-G	CASP1
SERINC1. 1	3.03E-82	0.364911	0.625	0.393	4.53E-78	Neo-G	SERINC1
SUCLG2. 5	3.47E-82	-0.68821	0.023	0.272	5.18E-78	Neo-G	SUCLG2
C3AR1. 7	4.44E-82	-1.00357	0.023	0.264	6.63E-78	Neo-G	C3AR1
ZNF281. 4	5.04E-82	0.473527	0.364	0.163	7.53E-78	Neo-G	ZNF281
C7orf55-L	1.15E-81	0.441871	0.537	0.315	1.72E-77	Neo-G	C7orf55-LUC7L2
GRK4. 5	1.37E-81	0.448983	0.24	0.08	2.05E-77	Neo-G	GRK4
PCDHB15	2.01E-81	0.234897	0.09	0.011	3.00E-77	Neo-G	PCDHB15
CA2. 5	2.92E-81	-0.91719	0.013	0.251	4.36E-77	Neo-G	CA2
ALDOA. 5	2.94E-81	-0.43968	0.816	0.849	4.39E-77	Neo-G	ALDOA
ANAPC16. 5	3.19E-81	-0.75365	0.275	0.556	4.76E-77	Neo-G	ANAPC16
SPOCD1. 5	3.38E-81	-0.999	0.008	0.243	5.06E-77	Neo-G	SPOCD1
GAP43. 7	3.87E-81	0.214495	0.8	0.426	5.79E-77	Neo-G	GAP43
METTL7B. 4	4.77E-81	-0.91483	0.004	0.237	7.12E-77	Neo-G	METTL7B
CDKN1B. 6	6.99E-81	0.462441	0.452	0.235	1.05E-76	Neo-G	CDKN1B
ATP6V1G1. 8.	8.2E-81	0.163227	0.927	0.733	1.32E-76	Neo-G	ATP6V1G1
IFI35. 5	8.92E-81	-0.75542	0.016	0.257	1.33E-76	Neo-G	IFI35
AUTS2. 7	1.10E-80	0.570115	0.266	0.1	1.65E-76	Neo-G	AUTS2
SEZ6. 7	1.46E-80	0.481521	0.303	0.119	2.19E-76	Neo-G	SEZ6
C14orf37. 1.	6.3E-80	0.476801	0.26	0.094	2.44E-76	Neo-G	C14orf37
WBP5. 6	1.68E-80	0.278168	0.72	0.476	2.51E-76	Neo-G	WBP5
C7orf55. 6	1.85E-80	0.374256	0.626	0.399	2.76E-76	Neo-G	C7orf55
SV2A. 5	1.90E-80	0.514538	0.371	0.181	2.83E-76	Neo-G	SV2A
ZDHHC12. 7	1.94E-80	-0.67878	0.037	0.288	2.91E-76	Neo-G	ZDHHC12
SCN9A. 4	2.06E-80	0.29532	0.127	0.024	3.08E-76	Neo-G	SCN9A
CHCHD2. 5	2.26E-80	0.104715	0.983	0.868	3.37E-76	Neo-G	CHCHD2
C1orf54. 7	2.46E-80	-0.82658	0.014	0.251	3.67E-76	Neo-G	C1orf54
DCLK1. 5	2.66E-80	0.480014	0.314	0.131	3.97E-76	Neo-G	DCLK1
MED17. 3	2.66E-80	0.460486	0.366	0.168	3.98E-76	Neo-G	MED17
MOSPD3. 3	2.75E-80	0.464088	0.473	0.265	4.11E-76	Neo-G	MOSPD3
HNRNPR. 2	5.57E-80	0.299413	0.716	0.496	8.32E-76	Neo-G	HNRNPR
BLVRB. 5	5.60E-80	-0.84339	0.131	0.404	8.37E-76	Neo-G	BLVRB
RGS19. 7	6.55E-80	-0.74046	0.051	0.303	9.79E-76	Neo-G	RGS19
ESRRG. 1	6.58E-80	0.268708	0.109	0.018	9.83E-76	Neo-G	ESRRG
LHX1. 3	7.58E-80	0.389839	0.115	0.02	1.13E-75	Neo-G	LHX1
SYNE2. 7	9.27E-80	0.490615	0.345	0.153	1.38E-75	Neo-G	SYNE2
ZKSCAN1. 6	1.02E-79	0.421001	0.508	0.293	1.52E-75	Neo-G	ZKSCAN1
TRIM2. 5	1.08E-79	0.456129	0.407	0.201	1.61E-75	Neo-G	TRIM2

CDH4. 6	1. 18E-79	0. 478854	0. 218	0. 071	1. 77E-75 Neo-G	CDH4
RNF213. 7	1. 42E-79	-0. 65844	0. 037	0. 288	2. 12E-75 Neo-G	RNF213
TYMP. 7	2. 15E-79	-0. 87043	0. 086	0. 333	3. 21E-75 Neo-G	TYMP
FZD3. 4	2. 56E-79	0. 4556	0. 466	0. 253	3. 82E-75 Neo-G	FZD3
OLFML3. 6	3. 39E-79	-0. 93054	0. 017	0. 252	5. 06E-75 Neo-G	OLFML3
C16orf45. 3	3. 80E-79	0. 396363	0. 518	0. 294	5. 67E-75 Neo-G	C16orf45
HOXA-AS2. 4	4. 83E-79	0. 288459	0. 131	0. 026	7. 21E-75 Neo-G	HOXA-AS2
RIMS1	5. 07E-79	0. 221266	0. 083	0. 01	7. 58E-75 Neo-G	RIMS1
ASXL3. 1	5. 60E-79	0. 277986	0. 116	0. 02	8. 36E-75 Neo-G	ASXL3
CAST. 6	6. 09E-79	-0. 64127	0. 082	0. 347	9. 10E-75 Neo-G	CAST
GPX1. 7	6. 25E-79	-0. 50518	0. 756	0. 821	9. 34E-75 Neo-G	GPX1
SUB1. 5	6. 60E-79	0. 182851	0. 936	0. 734	9. 86E-75 Neo-G	SUB1
TGIF1. 5	9. 05E-79	-0. 73614	0. 118	0. 387	1. 35E-74 Neo-G	TGIF1
RAB32. 7	9. 85E-79	-0. 58959	0. 023	0. 265	1. 47E-74 Neo-G	RAB32
TSPAN7. 5	1. 11E-78	0. 386428	0. 52	0. 285	1. 66E-74 Neo-G	TSPAN7
RHOC. 4	1. 71E-78	-0. 6867	0. 31	0. 56	2. 55E-74 Neo-G	RHOC
TPP1. 6	1. 73E-78	-0. 71787	0. 089	0. 351	2. 58E-74 Neo-G	TPP1
THEMIS2. 7	1. 74E-78	-0. 84404	0. 029	0. 268	2. 60E-74 Neo-G	THEMIS2
FSD1. 6	2. 17E-78	0. 499814	0. 313	0. 135	3. 24E-74 Neo-G	FSD1
RTF1. 5	2. 21E-78	0. 391738	0. 621	0. 407	3. 31E-74 Neo-G	RTF1
FAM171B. 5	2. 34E-78	0. 44108	0. 258	0. 093	3. 50E-74 Neo-G	FAM171B
HAVCR2. 7	2. 92E-78	-0. 96659	0. 024	0. 257	4. 36E-74 Neo-G	HAVCR2
CDC42. 4	3. 14E-78	0. 242015	0. 804	0. 598	4. 70E-74 Neo-G	CDC42
RAB1A. 3	3. 45E-78	0. 23229	0. 8	0. 598	5. 15E-74 Neo-G	RAB1A
IQGAP1. 7	3. 85E-78	-0. 62618	0. 034	0. 279	5. 75E-74 Neo-G	IQGAP1
PRCD. 4	4. 91E-78	0. 316124	0. 123	0. 023	7. 33E-74 Neo-G	PRCD
STARD3NL. 5	5. 79E-78	0. 37167	0. 59	0. 374	8. 65E-74 Neo-G	STARD3NL
CD58. 7	6. 01E-78	-0. 72072	0. 018	0. 253	8. 98E-74 Neo-G	CD58
LITAF. 7	6. 91E-78	-0. 78464	0. 229	0. 487	1. 03E-73 Neo-G	LITAF
IFI30. 7	7. 24E-78	-0. 94163	0. 014	0. 244	1. 08E-73 Neo-G	IFI30
TPI1. 4	7. 79E-78	-0. 43064	0. 854	0. 867	1. 16E-73 Neo-G	TPI1
ZNF138. 5	1. 04E-77	0. 456968	0. 307	0. 126	1. 55E-73 Neo-G	ZNF138
ELF1. 7	1. 15E-77	-0. 76833	0. 031	0. 27	1. 71E-73 Neo-G	ELF1
CD163. 7	1. 43E-77	-1. 00648	0. 064	0. 302	2. 14E-73 Neo-G	CD163
RRBP1. 3	1. 62E-77	-0. 61606	0. 068	0. 325	2. 42E-73 Neo-G	RRBP1
SMARCC2. 6	1. 70E-77	0. 451932	0. 448	0. 241	2. 55E-73 Neo-G	SMARCC2
WNK2	1. 87E-77	0. 185867	0. 069	0. 006	2. 80E-73 Neo-G	WNK2
BHLHE41. 5	1. 89E-77	-0. 72075	0. 006	0. 232	2. 83E-73 Neo-G	BHLHE41
FAM92A1. 5	1. 97E-77	0. 507698	0. 368	0. 181	2. 94E-73 Neo-G	FAM92A1
PTPRE. 6	2. 02E-77	-0. 6788	0. 047	0. 297	3. 02E-73 Neo-G	PTPRE
CLIP3. 6	2. 08E-77	0. 494213	0. 368	0. 177	3. 12E-73 Neo-G	CLIP3
CLU. 7	2. 42E-77	-0. 72474	0. 765	0. 784	3. 62E-73 Neo-G	CLU
TBPL1. 2	4. 38E-77	0. 430194	0. 398	0. 195	6. 55E-73 Neo-G	TBPL1
SIRPA. 7	5. 39E-77	-0. 62791	0. 03	0. 269	8. 06E-73 Neo-G	SIRPA
ARMC1. 5	5. 55E-77	0. 471091	0. 447	0. 242	8. 30E-73 Neo-G	ARMC1
FKBP5. 7	5. 75E-77	-0. 73696	0. 085	0. 345	8. 59E-73 Neo-G	FKBP5
NCOR1. 6	6. 25E-77	0. 360695	0. 668	0. 439	9. 34E-73 Neo-G	NCOR1
SH3GL2	6. 30E-77	0. 246026	0. 1	0. 015	9. 42E-73 Neo-G	SH3GL2
EIF4A2. 4	6. 32E-77	0. 200219	0. 892	0. 698	9. 44E-73 Neo-G	EIF4A2
HSBP1. 4	6. 37E-77	0. 173141	0. 892	0. 693	9. 52E-73 Neo-G	HSBP1
HMOX1. 7	6. 37E-77	-0. 96323	0. 079	0. 321	9. 52E-73 Neo-G	HMOX1

DHX36.5	6.60E-77	0.382262	0.611	0.403	9.87E-73	Neo-G	DHX36
PKIB.5	7.97E-77	-0.77035	0.063	0.31	1.19E-72	Neo-G	PKIB
SH3BGRL3.	8.20E-77	-0.53381	0.701	0.786	1.23E-72	Neo-G	SH3BGRL3
C7orf26.5	8.51E-77	0.471829	0.321	0.138	1.27E-72	Neo-G	C7orf26
KIF3C.7	9.30E-77	0.475743	0.241	0.085	1.39E-72	Neo-G	KIF3C
ARPC1A.6	1.10E-76	0.239463	0.767	0.533	1.65E-72	Neo-G	ARPC1A
LHX9	1.28E-76	0.235723	0.082	0.01	1.91E-72	Neo-G	LHX9
FSD1L.3	1.30E-76	0.349978	0.156	0.038	1.94E-72	Neo-G	FSD1L
APC2.6	1.42E-76	0.498379	0.306	0.128	2.13E-72	Neo-G	APC2
UBE2H.6	1.60E-76	0.47097	0.438	0.237	2.39E-72	Neo-G	UBE2H
PSMD3.3	1.60E-76	0.402488	0.586	0.383	2.39E-72	Neo-G	PSMD3
SCOC.6	1.72E-76	0.350443	0.605	0.391	2.58E-72	Neo-G	SCOC
ZFAND5.7	1.75E-76	0.363599	0.662	0.439	2.62E-72	Neo-G	ZFAND5
MICU3.6	2.59E-76	0.407131	0.214	0.066	3.87E-72	Neo-G	MICU3
RNF130.7	2.91E-76	-0.61998	0.214	0.493	4.35E-72	Neo-G	RNF130
MGAT1.7	3.83E-76	-0.703	0.126	0.386	5.73E-72	Neo-G	MGAT1
CD163L1.1	5.42E-76	0.359822	0.135	0.029	8.10E-72	Neo-G	CD163L1
CACNA2D1.	7.79E-76	0.286605	0.114	0.02	1.16E-71	Neo-G	CACNA2D1
TAF7.6	1.08E-75	0.247428	0.754	0.529	1.61E-71	Neo-G	TAF7
ZNF92.5	1.10E-75	0.450887	0.307	0.126	1.64E-71	Neo-G	ZNF92
RAPGEF4	1.36E-75	0.290081	0.119	0.023	2.03E-71	Neo-G	RAPGEF4
CALD1.6	1.49E-75	0.291264	0.647	0.392	2.22E-71	Neo-G	CALD1
S100A4.7	2.14E-75	-1.06657	0.089	0.321	3.20E-71	Neo-G	S100A4
TLN1.7	2.15E-75	-0.61634	0.06	0.312	3.21E-71	Neo-G	TLN1
ZNF250.4	2.34E-75	0.39586	0.209	0.065	3.50E-71	Neo-G	ZNF250
PPP1R14B.	2.40E-75	0.449054	0.54	0.321	3.58E-71	Neo-G	PPP1R14B
CRIP2.5	2.54E-75	0.492787	0.502	0.291	3.79E-71	Neo-G	CRIP2
GABRB1	2.55E-75	0.177594	0.071	0.007	3.81E-71	Neo-G	GABRB1
CADM4.6	2.83E-75	0.454402	0.445	0.241	4.23E-71	Neo-G	CADM4
CD86.7	3.51E-75	-0.93992	0.015	0.238	5.25E-71	Neo-G	CD86
YAE1D1.5	3.58E-75	0.477179	0.322	0.14	5.35E-71	Neo-G	YAE1D1
C5AR1.6	5.30E-75	-0.94467	0.034	0.263	7.92E-71	Neo-G	C5AR1
DZIP3.5	5.84E-75	0.450668	0.284	0.112	8.73E-71	Neo-G	DZIP3
MTF2.4	6.32E-75	0.425954	0.439	0.231	9.44E-71	Neo-G	MTF2
EEF1A1.7	6.34E-75	-0.5698	0.682	0.843	9.47E-71	Neo-G	EEF1A1
EFNB1.3	7.36E-75	0.429913	0.232	0.079	1.10E-70	Neo-G	EFNB1
EVI2A.6	8.22E-75	-0.9285	0.022	0.247	1.23E-70	Neo-G	EVI2A
CNOT4.4	8.83E-75	0.438393	0.455	0.25	1.32E-70	Neo-G	CNOT4
ZNF195.4	1.00E-74	0.437936	0.325	0.142	1.50E-70	Neo-G	ZNF195
MVP.5	1.23E-74	-0.64893	0.02	0.251	1.84E-70	Neo-G	MVP
CCDC126.3	1.26E-74	0.417533	0.264	0.098	1.88E-70	Neo-G	CCDC126
BLVRA.5	1.50E-74	0.335669	0.549	0.314	2.24E-70	Neo-G	BLVRA
GPR183.7	1.58E-74	-1.04685	0.083	0.315	2.36E-70	Neo-G	GPR183
PEG3.5	2.48E-74	0.374481	0.181	0.051	3.70E-70	Neo-G	PEG3
RBMS1.5	2.74E-74	-0.59199	0.04	0.276	4.09E-70	Neo-G	RBMS1
GPRASP2.5	2.74E-74	0.390218	0.18	0.051	4.09E-70	Neo-G	GPRASP2
SLCO2B1.6	3.18E-74	-0.90287	0.021	0.245	4.76E-70	Neo-G	SLCO2B1
NKAIN3.6	3.40E-74	0.473848	0.272	0.107	5.08E-70	Neo-G	NKAIN3
KRT10.4	3.50E-74	0.325662	0.764	0.533	5.23E-70	Neo-G	KRT10
SERTAD1.4	4.21E-74	-0.79416	0.09	0.343	6.29E-70	Neo-G	SERTAD1
LAIR1.7	4.34E-74	-0.90366	0.03	0.255	6.48E-70	Neo-G	LAIR1

NEK6. 4	4. 87E-74	-0. 64463	0. 071	0. 316	7. 27E-70	Neo-G	NEK6
PNPLA8. 4	4. 95E-74	0. 368626	0. 541	0. 323	7. 40E-70	Neo-G	PNPLA8
SPI1. 7	5. 54E-74	-0. 85906	0. 037	0. 263	8. 28E-70	Neo-G	SPI1
CNOT7. 4	5. 90E-74	0. 402022	0. 548	0. 346	8. 82E-70	Neo-G	CNOT7
ANXA11. 7	6. 02E-74	-0. 69392	0. 016	0. 24	8. 99E-70	Neo-G	ANXA11
SLC39A1. 4	7. 57E-74	-0. 65507	0. 15	0. 416	1. 13E-69	Neo-G	SLC39A1
MOB4. 4	1. 00E-73	0. 350524	0. 56	0. 349	1. 50E-69	Neo-G	MOB4
ITSN1. 2	1. 49E-73	0. 417011	0. 302	0. 127	2. 22E-69	Neo-G	ITSN1
CYFIP2. 6	1. 58E-73	0. 420721	0. 257	0. 096	2. 36E-69	Neo-G	CYFIP2
H2AFY. 6	3. 63E-73	0. 286386	0. 798	0. 584	5. 43E-69	Neo-G	H2AFY
ABHD17B. 7	4. 16E-73	0. 406063	0. 276	0. 106	6. 22E-69	Neo-G	ABHD17B
RGS17. 5	5. 12E-73	0. 458836	0. 321	0. 143	7. 64E-69	Neo-G	RGS17
PLCB1. 5	6. 04E-73	0. 439959	0. 202	0. 065	9. 02E-69	Neo-G	PLCB1
GBP2. 5	8. 75E-73	-0. 77545	0. 013	0. 232	1. 31E-68	Neo-G	GBP2
SSR3. 7	8. 76E-73	-0. 716	0. 299	0. 554	1. 31E-68	Neo-G	SSR3
CDKN1A. 6	9. 59E-73	-0. 78516	0. 088	0. 334	1. 43E-68	Neo-G	CDKN1A
CELSR3. 1	1. 06E-72	0. 309119	0. 12	0. 024	1. 59E-68	Neo-G	CELSR3
PREX1. 6	1. 15E-72	-0. 62321	0. 019	0. 242	1. 73E-68	Neo-G	PREX1
MYO6. 5	1. 38E-72	0. 450871	0. 396	0. 204	2. 06E-68	Neo-G	MYO6
ADORA3. 7	1. 53E-72	-0. 93826	0. 059	0. 285	2. 28E-68	Neo-G	ADORA3
LY96. 7	1. 59E-72	-0. 6829	0. 024	0. 247	2. 37E-68	Neo-G	LY96
ZC3H15. 2	1. 61E-72	0. 281129	0. 694	0. 48	2. 40E-68	Neo-G	ZC3H15
ID3. 6	1. 61E-72	-0. 95445	0. 057	0. 29	2. 41E-68	Neo-G	ID3
TCTEX1D2. 1	1. 69E-72	0. 406648	0. 401	0. 206	2. 53E-68	Neo-G	TCTEX1D2
GARS. 5	2. 25E-72	0. 428751	0. 478	0. 271	3. 37E-68	Neo-G	GARS
RBM4B. 5	2. 27E-72	0. 448502	0. 357	0. 172	3. 39E-68	Neo-G	RBM4B
JUP	2. 49E-72	0. 247939	0. 107	0. 019	3. 73E-68	Neo-G	JUP
LINC00839	3. 23E-72	0. 204265	0. 083	0. 011	4. 82E-68	Neo-G	LINC00839
DPP7. 7	3. 25E-72	-0. 58858	0. 227	0. 496	4. 85E-68	Neo-G	DPP7
MPHOSPH8. 4	0. 03E-72	0. 33233	0. 588	0. 376	6. 02E-68	Neo-G	MPHOSPH8
COPS8. 6	4. 21E-72	0. 281462	0. 664	0. 446	6. 30E-68	Neo-G	COPS8
COMMD2. 4	4. 54E-72	0. 397497	0. 472	0. 267	6. 78E-68	Neo-G	COMMD2
HOXA9. 3	5. 63E-72	0. 332488	0. 121	0. 024	8. 42E-68	Neo-G	HOXA9
ARSF	5. 69E-72	0. 189917	0. 057	0. 004	8. 50E-68	Neo-G	ARSF
CLSTN3. 4	6. 92E-72	0. 355339	0. 167	0. 045	1. 03E-67	Neo-G	CLSTN3
YWHAZ. 2	8. 12E-72	0. 271846	0. 722	0. 513	1. 21E-67	Neo-G	YWHAZ
OLR1. 7	1. 15E-71	-0. 94326	0. 051	0. 274	1. 72E-67	Neo-G	OLR1
SNAP23. 6	1. 49E-71	-0. 67187	0. 039	0. 269	2. 23E-67	Neo-G	SNAP23
WDR82. 4	1. 53E-71	0. 433412	0. 429	0. 233	2. 28E-67	Neo-G	WDR82
PLA2G12A. 1	1. 68E-71	0. 468596	0. 401	0. 214	2. 51E-67	Neo-G	PLA2G12A
EVI2B. 7	2. 77E-71	-0. 87999	0. 013	0. 226	4. 14E-67	Neo-G	EVI2B
SRGAP1. 6	3. 21E-71	0. 420242	0. 404	0. 203	4. 79E-67	Neo-G	SRGAP1
MEG3. 6	4. 04E-71	0. 746784	0. 45	0. 287	6. 04E-67	Neo-G	MEG3
CCT7. 4	5. 02E-71	0. 275714	0. 718	0. 507	7. 51E-67	Neo-G	CCT7
WIPI2. 4	5. 21E-71	0. 399317	0. 572	0. 376	7. 79E-67	Neo-G	WIPI2
C1R. 7	6. 12E-71	-1. 02681	0. 021	0. 239	9. 15E-67	Neo-G	C1R
POLR2B. 5	6. 21E-71	0. 451453	0. 438	0. 241	9. 28E-67	Neo-G	POLR2B
ITFG1. 4	6. 48E-71	0. 405456	0. 524	0. 327	9. 68E-67	Neo-G	ITFG1
BAZ2B. 4	7. 90E-71	0. 418077	0. 506	0. 298	1. 18E-66	Neo-G	BAZ2B
ZNF454. 5	9. 22E-71	0. 314064	0. 145	0. 035	1. 38E-66	Neo-G	ZNF454
ZNF131. 5	9. 66E-71	0. 46489	0. 402	0. 211	1. 44E-66	Neo-G	ZNF131

GABARAPL2	9.	82E-71	0.142907	0.914	0.722	1.47E-66	Neo-G	GABARAPL2
TAX1BP1.	3	1.23E-70	0.290162	0.687	0.491	1.84E-66	Neo-G	TAX1BP1
GPBP1.	4	1.26E-70	0.332041	0.631	0.426	1.88E-66	Neo-G	GPBP1
MIDN.	4	1.34E-70	0.379398	0.6	0.392	2.00E-66	Neo-G	MIDN
UPF3B.	4	1.55E-70	0.405975	0.43	0.229	2.31E-66	Neo-G	UPF3B
ERC2		2.19E-70	0.240352	0.103	0.018	3.28E-66	Neo-G	ERC2
C8orf4.	6	2.27E-70	-1.06592	0.031	0.252	3.39E-66	Neo-G	C8orf4
FAM117B.	1	2.58E-70	0.288563	0.133	0.03	3.85E-66	Neo-G	FAM117B
TNFRSF12A	3.	23E-70	-0.74638	0.079	0.312	4.83E-66	Neo-G	TNFRSF12A
ADAM9.	5	3.82E-70	-0.57401	0.102	0.358	5.71E-66	Neo-G	ADAM9
UNC93B1.	7	4.60E-70	-0.63095	0.012	0.224	6.88E-66	Neo-G	UNC93B1
CCZ1.	4	1.10E-69	0.4096	0.525	0.33	1.65E-65	Neo-G	CCZ1
HNRNPAB.	6	1.17E-69	0.394999	0.577	0.375	1.75E-65	Neo-G	HNRNPAB
DACT1.	1	1.27E-69	0.30553	0.112	0.021	1.90E-65	Neo-G	DACT1
HEPN1.	6	1.33E-69	-0.70533	0.015	0.227	1.99E-65	Neo-G	HEPN1
CD302.	7	1.62E-69	-0.73731	0.016	0.228	2.42E-65	Neo-G	CD302
VIP		1.68E-69	0.160845	0.031	0	2.52E-65	Neo-G	VIP
TTYH1.	7	1.90E-69	-0.77053	0.064	0.293	2.84E-65	Neo-G	TTYH1
SUMO1.	1	2.09E-69	0.1747	0.844	0.634	3.12E-65	Neo-G	SUMO1
ODF2L.	3	2.35E-69	0.397976	0.34	0.155	3.51E-65	Neo-G	ODF2L
GLCCI1.	6	3.07E-69	0.443667	0.313	0.132	4.59E-65	Neo-G	GLCCI1
APOC2.	6	6.48E-69	-1.04829	0.007	0.211	9.69E-65	Neo-G	APOC2
ATXN7L3B.	7.	76E-69	0.439005	0.339	0.162	1.16E-64	Neo-G	ATXN7L3B
PLXDC2.	7	1.02E-68	-0.82408	0.022	0.232	1.52E-64	Neo-G	PLXDC2
CYFIP1.	6	1.03E-68	-0.66148	0.072	0.309	1.54E-64	Neo-G	CYFIP1
CACNA1E		1.07E-68	0.150325	0.057	0.004	1.60E-64	Neo-G	CACNA1E
HSP90AA1.	1.	21E-68	0.121911	0.991	0.876	1.81E-64	Neo-G	HSP90AA1
TSPAN18		1.27E-68	0.270627	0.092	0.015	1.90E-64	Neo-G	TSPAN18
EN2		1.44E-68	0.268701	0.095	0.016	2.15E-64	Neo-G	EN2
TIMP2.	4	1.63E-68	-0.59866	0.104	0.353	2.43E-64	Neo-G	TIMP2
MGST2.	7	1.72E-68	-0.77906	0.052	0.278	2.57E-64	Neo-G	MGST2
GSTK1.	5	1.81E-68	-0.67163	0.31	0.557	2.70E-64	Neo-G	GSTK1
SH2B2.	5	2.16E-68	0.427354	0.243	0.092	3.22E-64	Neo-G	SH2B2
EXOC7.	6	2.27E-68	0.371819	0.527	0.331	3.39E-64	Neo-G	EXOC7
CACYBP.	3	2.31E-68	0.298791	0.683	0.484	3.45E-64	Neo-G	CACYBP
LRP10.	3	2.48E-68	-0.56845	0.047	0.276	3.70E-64	Neo-G	LRP10
EBAG9.	3	2.85E-68	0.437433	0.423	0.232	4.26E-64	Neo-G	EBAG9
RP11-553L	2.	98E-68	0.499083	0.389	0.206	4.45E-64	Neo-G	RP11-553L6.5
LRP12.	4	3.21E-68	0.427786	0.218	0.077	4.80E-64	Neo-G	LRP12
PPFIBP1.	5	3.80E-68	0.490979	0.302	0.138	5.68E-64	Neo-G	PPFIBP1
NUPR1.	5	4.39E-68	-0.81758	0.111	0.35	6.57E-64	Neo-G	NUPR1
EBF1		4.71E-68	0.226847	0.073	0.009	7.04E-64	Neo-G	EBF1
ZNF90.	5	4.82E-68	-0.89796	0.169	0.405	7.20E-64	Neo-G	ZNF90
FAM127A.	4	5.94E-68	0.347493	0.65	0.436	8.87E-64	Neo-G	FAM127A
GRAMD1A.	5	5.94E-68	0.426311	0.446	0.254	8.87E-64	Neo-G	GRAMD1A
WDR60.	4	6.27E-68	0.463283	0.397	0.212	9.37E-64	Neo-G	WDR60
SERPINH1.	6.	31E-68	-0.52852	0.018	0.232	9.43E-64	Neo-G	SERPINH1
IGLON5.	3	6.56E-68	0.2667	0.146	0.036	9.81E-64	Neo-G	IGLON5
TNFSF13B.	8.	34E-68	-0.80688	0.018	0.226	1.25E-63	Neo-G	TNFSF13B
SRPK1.	4	9.29E-68	0.460674	0.318	0.147	1.39E-63	Neo-G	SRPK1
TCEA2.	6	1.23E-67	0.405438	0.564	0.344	1.83E-63	Neo-G	TCEA2

STRIP1. 4	1. 38E-67	0. 406317	0. 267	0. 107	2. 06E-63	Neo-G	STRIP1
VIPR2. 6	1. 40E-67	0. 375383	0. 21	0. 067	2. 09E-63	Neo-G	VIPR2
ANKRD13D.	1. 76E-67	0. 43972	0. 321	0. 149	2. 64E-63	Neo-G	ANKRD13D
JUN. 4	2. 07E-67	0. 288681	0. 857	0. 65	3. 09E-63	Neo-G	JUN
FHL1. 7	2. 35E-67	0. 371254	0. 554	0. 333	3. 51E-63	Neo-G	FHL1
CSF2RA. 6	2. 71E-67	-0. 88266	0. 019	0. 225	4. 04E-63	Neo-G	CSF2RA
C19orf53.	2. 76E-67	-0. 55396	0. 562	0. 698	4. 13E-63	Neo-G	C19orf53
BRWD1. 6	2. 94E-67	0. 453465	0. 407	0. 221	4. 39E-63	Neo-G	BRWD1
CSDE1. 4	2. 97E-67	0. 239805	0. 763	0. 582	4. 43E-63	Neo-G	CSDE1
RBM4. 5	3. 11E-67	0. 442353	0. 383	0. 2	4. 65E-63	Neo-G	RBM4
MURC	3. 19E-67	0. 224962	0. 081	0. 011	4. 76E-63	Neo-G	MURC
CUTA. 6	3. 57E-67	0. 177753	0. 854	0. 661	5. 33E-63	Neo-G	CUTA
RP11-357K	5. 42E-67	0. 224672	0. 064	0. 006	8. 10E-63	Neo-G	RP11-357K6. 1
KIF26A	5. 61E-67	0. 166382	0. 05	0. 003	8. 38E-63	Neo-G	KIF26A
BHLHE40. 5	5. 69E-67	-0. 61207	0. 011	0. 216	8. 50E-63	Neo-G	BHLHE40
HEXA. 6	6. 93E-67	-0. 65517	0. 162	0. 417	1. 04E-62	Neo-G	HEXA
MT1M. 5	7. 00E-67	-0. 81686	0. 046	0. 268	1. 05E-62	Neo-G	MT1M
SYPL1. 2	7. 53E-67	-0. 659	0. 174	0. 434	1. 13E-62	Neo-G	SYPL1
HSD17B11.	8. 28E-67	-0. 74438	0. 161	0. 403	1. 24E-62	Neo-G	HSD17B11
GTF2IRD2E	1. 02E-66	0. 404945	0. 284	0. 119	1. 53E-62	Neo-G	GTF2IRD2B
SPTAN1. 5	1. 29E-66	0. 424496	0. 428	0. 24	1. 93E-62	Neo-G	SPTAN1
IFNGR1. 7	1. 49E-66	-0. 71939	0. 229	0. 462	2. 22E-62	Neo-G	IFNGR1
TMED4. 6	2. 22E-66	0. 292257	0. 615	0. 416	3. 32E-62	Neo-G	TMED4
U2SURP. 3	2. 43E-66	0. 356919	0. 54	0. 349	3. 62E-62	Neo-G	U2SURP
RADIL	4. 03E-66	0. 201761	0. 071	0. 009	6. 03E-62	Neo-G	RADIL
BTBD17. 6	4. 18E-66	0. 354946	0. 152	0. 04	6. 25E-62	Neo-G	BTBD17
AMN1. 2	4. 46E-66	0. 401706	0. 266	0. 107	6. 66E-62	Neo-G	AMN1
RNF219. 3	5. 58E-66	0. 406966	0. 25	0. 098	8. 33E-62	Neo-G	RNF219
TRIP6. 6	5. 69E-66	-0. 58674	0. 049	0. 273	8. 50E-62	Neo-G	TRIP6
HES1. 4	5. 73E-66	-0. 68913	0. 016	0. 219	8. 56E-62	Neo-G	HES1
CNPY3. 7	7. 30E-66	-0. 67381	0. 195	0. 439	1. 09E-61	Neo-G	CNPY3
KIAA1324L	7. 41E-66	0. 283773	0. 104	0. 02	1. 11E-61	Neo-G	KIAA1324L
SATB1. 3	8. 45E-66	0. 390073	0. 277	0. 112	1. 26E-61	Neo-G	SATB1
CPT1C. 5	9. 27E-66	0. 399714	0. 237	0. 089	1. 39E-61	Neo-G	CPT1C
GSDMD. 6	9. 70E-66	-0. 61853	0. 008	0. 206	1. 45E-61	Neo-G	GSDMD
SF3B2. 3	1. 02E-65	0. 275935	0. 699	0. 503	1. 52E-61	Neo-G	SF3B2
RP11-127E	1. 02E-65	0. 317186	0. 14	0. 035	1. 53E-61	Neo-G	RP11-127B20. 2
PYGL. 6	1. 06E-65	-0. 65214	0. 013	0. 214	1. 58E-61	Neo-G	PYGL
FAM96A. 5	1. 19E-65	-0. 65797	0. 136	0. 383	1. 78E-61	Neo-G	FAM96A
PTPRC. 7	1. 54E-65	-0. 80595	0. 022	0. 225	2. 30E-61	Neo-G	PTPRC
REST. 3	1. 84E-65	-0. 46203	0. 016	0. 22	2. 75E-61	Neo-G	REST
ABI3. 7	2. 08E-65	-0. 79894	0. 013	0. 211	3. 10E-61	Neo-G	ABI3
RCOR2. 5	2. 20E-65	0. 368477	0. 138	0. 035	3. 28E-61	Neo-G	RCOR2
NUP160. 4	2. 81E-65	0. 437109	0. 313	0. 144	4. 21E-61	Neo-G	NUP160
MAGT1. 3	2. 89E-65	-0. 53053	0. 02	0. 225	4. 33E-61	Neo-G	MAGT1
MAST1	2. 97E-65	0. 311532	0. 138	0. 034	4. 45E-61	Neo-G	MAST1
ILF3. 4	3. 13E-65	0. 33942	0. 583	0. 391	4. 67E-61	Neo-G	ILF3
TRAPPC4. 5	3. 22E-65	0. 261259	0. 625	0. 423	4. 80E-61	Neo-G	TRAPPC4
SP110. 5	3. 78E-65	-0. 62695	0. 016	0. 22	5. 65E-61	Neo-G	SP110
ALX3	3. 78E-65	0. 223357	0. 09	0. 015	5. 65E-61	Neo-G	ALX3
DIRAS1. 5	3. 87E-65	0. 432754	0. 244	0. 097	5. 79E-61	Neo-G	DIRAS1



CD83. 7	3. 90E-65	-0. 89566	0. 101	0. 318	5. 82E-61	Neo-G	CD83
COMT. 6	4. 21E-65	-0. 55383	0. 325	0. 574	6. 29E-61	Neo-G	COMT
TNRC6C. 6	5. 94E-65	0. 442624	0. 323	0. 153	8. 88E-61	Neo-G	TNRC6C
GAPDH. 7	6. 26E-65	-0. 37623	0. 995	0. 984	9. 36E-61	Neo-G	GAPDH
MAP9. 5	6. 51E-65	0. 455658	0. 34	0. 17	9. 73E-61	Neo-G	MAP9
SLC25A36. 6	6. 73E-65	0. 420948	0. 436	0. 249	1. 01E-60	Neo-G	SLC25A36
PTRF. 7	7. 64E-65	-0. 51679	0. 009	0. 207	1. 14E-60	Neo-G	PTRF
EGR1. 5	9. 01E-65	0. 319091	0. 726	0. 468	1. 35E-60	Neo-G	EGR1
PLIN2. 6	1. 68E-64	-0. 95854	0. 154	0. 365	2. 52E-60	Neo-G	PLIN2
PLCB4	1. 74E-64	0. 198062	0. 075	0. 01	2. 60E-60	Neo-G	PLCB4
IL18. 7	2. 29E-64	-0. 83735	0. 016	0. 215	3. 42E-60	Neo-G	IL18
SPRY1. 6	2. 99E-64	-0. 66473	0. 045	0. 255	4. 47E-60	Neo-G	SPRY1
EDNRB. 4	3. 09E-64	-0. 57751	0. 012	0. 208	4. 61E-60	Neo-G	EDNRB
CHMP5. 2	3. 13E-64	0. 234478	0. 706	0. 511	4. 68E-60	Neo-G	CHMP5
MRC2. 3	5. 52E-64	-0. 47996	0. 003	0. 194	8. 24E-60	Neo-G	MRC2
MAPK8IP1. 6	6. 05E-64	0. 392342	0. 35	0. 172	9. 04E-60	Neo-G	MAPK8IP1
HOXB5	6. 57E-64	0. 268496	0. 07	0. 009	9. 82E-60	Neo-G	HOXB5
CLEC2B. 7	6. 97E-64	-0. 81154	0. 026	0. 227	1. 04E-59	Neo-G	CLEC2B
RAC3. 6	7. 06E-64	0. 470869	0. 33	0. 165	1. 06E-59	Neo-G	RAC3
GLOD4. 3	8. 54E-64	0. 328492	0. 558	0. 368	1. 28E-59	Neo-G	GLOD4
CMTM3. 7	9. 05E-64	-0. 52429	0. 108	0. 35	1. 35E-59	Neo-G	CMTM3
MNDA. 7	9. 68E-64	-0. 80541	0. 006	0. 198	1. 45E-59	Neo-G	MNDA
OLFM1. 6	9. 92E-64	0. 453879	0. 297	0. 133	1. 48E-59	Neo-G	OLFM1
RFK. 4	1. 01E-63	0. 464732	0. 391	0. 219	1. 51E-59	Neo-G	RFK
C12orf57. 1	1. 11E-63	0. 194586	0. 74	0. 512	1. 67E-59	Neo-G	C12orf57
TMEM176B. 1	6. 5E-63	-0. 91831	0. 164	0. 375	2. 47E-59	Neo-G	TMEM176B
HOXC10. 5	2. 00E-63	0. 306265	0. 153	0. 042	3. 00E-59	Neo-G	HOXC10
MLLT3. 5	2. 10E-63	0. 408728	0. 216	0. 079	3. 14E-59	Neo-G	MLLT3
CACNA2D2	2. 19E-63	0. 162618	0. 044	0. 002	3. 28E-59	Neo-G	CACNA2D2
PTP4A1. 3	2. 55E-63	0. 362877	0. 576	0. 386	3. 81E-59	Neo-G	PTP4A1
CPM. 5	2. 73E-63	-0. 8062	0. 049	0. 257	4. 08E-59	Neo-G	CPM
CTDSP1. 7	2. 79E-63	-0. 53518	0. 034	0. 244	4. 16E-59	Neo-G	CTDSP1
AXL. 6	2. 93E-63	-0. 78836	0. 009	0. 201	4. 38E-59	Neo-G	AXL
PIK3R1. 5	2. 95E-63	0. 393663	0. 49	0. 285	4. 42E-59	Neo-G	PIK3R1
CCZ1B. 5	3. 52E-63	0. 440881	0. 295	0. 134	5. 27E-59	Neo-G	CCZ1B
ZNF439. 6	3. 56E-63	0. 457398	0. 288	0. 131	5. 32E-59	Neo-G	ZNF439
HLA-DQA2. 3	5. 8E-63	-1. 01865	0. 004	0. 192	5. 34E-59	Neo-G	HLA-DQA2
TNC. 6	4. 36E-63	-0. 65136	0. 021	0. 223	6. 52E-59	Neo-G	TNC
DDIT4. 6	4. 70E-63	-0. 75094	0. 213	0. 433	7. 03E-59	Neo-G	DDIT4
GABRB3	4. 73E-63	0. 193586	0. 067	0. 008	7. 06E-59	Neo-G	GABRB3
ZC3H13. 5	5. 29E-63	0. 381698	0. 501	0. 314	7. 90E-59	Neo-G	ZC3H13
TMBIM6. 3	5. 33E-63	-0. 42083	0. 803	0. 843	7. 96E-59	Neo-G	TMBIM6
PDZD4. 5	5. 81E-63	0. 31904	0. 139	0. 036	8. 68E-59	Neo-G	PDZD4
TMED5. 6	6. 06E-63	-0. 58653	0. 096	0. 331	9. 06E-59	Neo-G	TMED5
CCT4. 3	6. 45E-63	0. 230694	0. 737	0. 539	9. 65E-59	Neo-G	CCT4
SQSTM1. 4	6. 84E-63	-0. 54605	0. 329	0. 547	1. 02E-58	Neo-G	SQSTM1
LAT2. 7	8. 63E-63	-0. 80464	0. 027	0. 224	1. 29E-58	Neo-G	LAT2
SMARCB1. 5	9. 00E-63	0. 394709	0. 577	0. 394	1. 35E-58	Neo-G	SMARCB1
BPHL. 4	9. 66E-63	0. 438444	0. 323	0. 156	1. 44E-58	Neo-G	BPHL
LGMN. 6	1. 13E-62	-0. 71508	0. 143	0. 376	1. 69E-58	Neo-G	LGMN
DNP1. 4	1. 38E-62	-0. 53937	0. 151	0. 404	2. 07E-58	Neo-G	DNP1

MOAP1. 5	1. 49E-62	0. 440181	0. 375	0. 198	2. 23E-58	Neo-G	MOAP1
YTHDC1. 4	1. 59E-62	0. 415756	0. 467	0. 282	2. 38E-58	Neo-G	YTHDC1
EIF4A1. 4	1. 65E-62	0. 126405	0. 977	0. 847	2. 46E-58	Neo-G	EIF4A1
EN1. 4	1. 67E-62	0. 356087	0. 169	0. 051	2. 49E-58	Neo-G	EN1
HOXD8	1. 75E-62	0. 244661	0. 104	0. 021	2. 62E-58	Neo-G	HOXD8
PAQR4. 6	1. 87E-62	0. 401354	0. 315	0. 146	2. 79E-58	Neo-G	PAQR4
PAIP1. 7	2. 61E-62	0. 367447	0. 562	0. 375	3. 90E-58	Neo-G	PAIP1
NUDT10. 4	2. 95E-62	0. 305287	0. 145	0. 039	4. 42E-58	Neo-G	NUDT10
VCP. 3	3. 38E-62	0. 334364	0. 606	0. 411	5. 05E-58	Neo-G	VCP
SF1. 4	3. 51E-62	0. 295242	0. 675	0. 487	5. 25E-58	Neo-G	SF1
CD82. 3	3. 72E-62	-0. 60791	0. 049	0. 263	5. 57E-58	Neo-G	CD82
TMEM145. 5	4. 52E-62	0. 337953	0. 178	0. 056	6. 75E-58	Neo-G	TMEM145
SAMD11	4. 69E-62	0. 198615	0. 07	0. 009	7. 00E-58	Neo-G	SAMD11
NXPH1. 7	5. 72E-62	0. 468285	0. 274	0. 119	8. 55E-58	Neo-G	NXPH1
CYBB. 7	6. 28E-62	-0. 77712	0. 02	0. 213	9. 38E-58	Neo-G	CYBB
USP47. 3	6. 71E-62	0. 422865	0. 402	0. 226	1. 00E-57	Neo-G	USP47
ABHD14B. 5	8. 01E-62	-0. 55909	0. 009	0. 2	1. 20E-57	Neo-G	ABHD14B
PUF60. 4	8. 15E-62	0. 232652	0. 726	0. 519	1. 22E-57	Neo-G	PUF60
TRIM24. 7	9. 95E-62	0. 467223	0. 339	0. 174	1. 49E-57	Neo-G	TRIM24
RNF13. 5	1. 04E-61	-0. 63067	0. 265	0. 507	1. 56E-57	Neo-G	RNF13
POLR2L. 4	1. 27E-61	-0. 50567	0. 571	0. 702	1. 90E-57	Neo-G	POLR2L
C19orf43. 1	3. 5E-61	0. 240668	0. 868	0. 649	2. 02E-57	Neo-G	C19orf43
ASIC1. 5	1. 41E-61	0. 329636	0. 147	0. 04	2. 10E-57	Neo-G	ASIC1
ACTR6. 3	1. 56E-61	0. 38704	0. 393	0. 214	2. 34E-57	Neo-G	ACTR6
SEC63. 2	1. 61E-61	0. 358638	0. 551	0. 368	2. 40E-57	Neo-G	SEC63
ZBTB8B	1. 80E-61	0. 238444	0. 11	0. 023	2. 69E-57	Neo-G	ZBTB8B
RUNX1. 7	2. 06E-61	-0. 53726	0. 017	0. 211	3. 08E-57	Neo-G	RUNX1
VPS35. 2	2. 30E-61	0. 331293	0. 592	0. 411	3. 43E-57	Neo-G	VPS35
CLEC7A. 7	2. 40E-61	-0. 7564	0. 009	0. 195	3. 59E-57	Neo-G	CLEC7A
ACO05618. 2	8. 1E-61	0. 27697	0. 13	0. 032	4. 20E-57	Neo-G	ACO05618. 6
PRMT2. 2	2. 86E-61	0. 300701	0. 617	0. 428	4. 27E-57	Neo-G	PRMT2
GPATCH8. 5	2. 88E-61	0. 405922	0. 463	0. 284	4. 31E-57	Neo-G	GPATCH8
FYN. 6	2. 99E-61	0. 346844	0. 505	0. 304	4. 47E-57	Neo-G	FYN
TUBB6. 5	3. 43E-61	-0. 58534	0. 013	0. 205	5. 12E-57	Neo-G	TUBB6
HP1BP3. 6	3. 58E-61	0. 319095	0. 614	0. 421	5. 35E-57	Neo-G	HP1BP3
TCEB1. 1	4. 06E-61	0. 198914	0. 803	0. 6	6. 06E-57	Neo-G	TCEB1
C11orf95. 4	3. 0E-61	0. 317581	0. 129	0. 032	6. 43E-57	Neo-G	C11orf95
SLA. 7	4. 52E-61	-0. 78904	0. 028	0. 223	6. 76E-57	Neo-G	SLA
PTPRK. 4	5. 42E-61	0. 36758	0. 156	0. 045	8. 10E-57	Neo-G	PTPRK
DTX3. 4	6. 47E-61	0. 463902	0. 425	0. 234	9. 67E-57	Neo-G	DTX3
PMP2. 7	6. 93E-61	-0. 79268	0. 162	0. 373	1. 04E-56	Neo-G	PMP2
COPS6. 4	8. 33E-61	0. 175961	0. 787	0. 582	1. 24E-56	Neo-G	COPS6
NEGR1	9. 35E-61	0. 230486	0. 09	0. 016	1. 40E-56	Neo-G	NEGR1
SYT11. 7	9. 43E-61	0. 331327	0. 576	0. 36	1. 41E-56	Neo-G	SYT11
EHMT2. 6	9. 79E-61	0. 453767	0. 35	0. 182	1. 46E-56	Neo-G	EHMT2
FUS. 3	1. 01E-60	0. 206235	0. 804	0. 623	1. 51E-56	Neo-G	FUS
PFN1. 6	1. 16E-60	-0. 27598	0. 835	0. 805	1. 73E-56	Neo-G	PFN1
CCT5. 4	1. 34E-60	0. 260588	0. 658	0. 461	2. 00E-56	Neo-G	CCT5
CD300A. 7	1. 36E-60	-0. 77638	0. 021	0. 212	2. 03E-56	Neo-G	CD300A
SLC37A1. 2	1. 43E-60	0. 296388	0. 15	0. 042	2. 14E-56	Neo-G	SLC37A1
SOCS3. 6	1. 50E-60	-0. 64488	0. 147	0. 373	2. 25E-56	Neo-G	SOCS3

AC004158. 1.	51E-60	0.398569	0.255	0.106	2.25E-56	Neo-G	AC004158. 3
C2orf80. 6	59E-60	0.374208	0.252	0.103	2.38E-56	Neo-G	C2orf80
GPNMB. 6	67E-60	-0.83455	0.028	0.221	2.49E-56	Neo-G	GPNMB
DNASE1. 4	72E-60	0.360376	0.196	0.068	2.56E-56	Neo-G	DNASE1
ARF4. 2	78E-60	0.19434	0.797	0.6	2.65E-56	Neo-G	ARF4
CDS1	10E-60	0.173961	0.064	0.007	3.15E-56	Neo-G	CDS1
MDH2. 3	40E-60	0.160379	0.845	0.638	3.59E-56	Neo-G	MDH2
FCGR1B. 6	46E-60	-0.83433	0.002	0.183	3.67E-56	Neo-G	FCGR1B
CADM3. 5	67E-60	0.211894	0.236	0.084	3.99E-56	Neo-G	CADM3
LSM7. 4	83E-60	0.217897	0.833	0.606	4.23E-56	Neo-G	LSM7
MSR1. 7	69E-60	-0.78133	0.014	0.2	5.52E-56	Neo-G	MSR1
CCL2. 2	99E-60	-0.98891	0.047	0.247	5.97E-56	Neo-G	CCL2
APRT. 5	38E-60	-0.59542	0.338	0.555	6.55E-56	Neo-G	APRT
JAKMIP2. 5	49E-60	0.434484	0.288	0.134	6.71E-56	Neo-G	JAKMIP2
CELF1. 4	76E-60	0.396006	0.464	0.289	8.61E-56	Neo-G	CELF1
ANKRD36C. 5	85E-60	0.397436	0.31	0.144	8.75E-56	Neo-G	ANKRD36C
SDF2L1. 4	11E-60	-0.56149	0.149	0.385	1.06E-55	Neo-G	SDF2L1
METTL7A. 3	43E-60	-0.63832	0.04	0.243	1.11E-55	Neo-G	METTL7A
MFSD1. 7	83E-60	-0.67249	0.144	0.368	1.17E-55	Neo-G	MFSD1
EFNA5	01E-59	0.204141	0.062	0.007	1.50E-55	Neo-G	EFNA5
USP22. 7	06E-59	0.39006	0.481	0.3	1.59E-55	Neo-G	USP22
FGL2. 7	08E-59	-0.76953	0.013	0.197	1.62E-55	Neo-G	FGL2
ITGB1. 5	21E-59	-0.59894	0.191	0.409	1.81E-55	Neo-G	ITGB1
ATL1. 4	32E-59	0.393541	0.246	0.1	1.97E-55	Neo-G	ATL1
RUFY2. 7	39E-59	0.424298	0.287	0.132	2.08E-55	Neo-G	RUFY2
PPIB. 3	50E-59	-0.4997	0.61	0.738	2.24E-55	Neo-G	PPIB
RUNDC1. 3	90E-59	0.41238	0.269	0.119	2.84E-55	Neo-G	RUNDC1
SLC25A37. 2	03E-59	-0.63893	0.11	0.334	3.04E-55	Neo-G	SLC25A37
SEC61G. 7	07E-59	-0.70345	0.819	0.797	3.09E-55	Neo-G	SEC61G
GPR137C. 4	34E-59	0.318487	0.139	0.038	3.50E-55	Neo-G	GPR137C
ANAPC13. 5	61E-59	0.305341	0.529	0.332	3.91E-55	Neo-G	ANAPC13
FAM162A. 6	69E-59	-0.63445	0.185	0.427	4.01E-55	Neo-G	FAM162A
SLC31A2. 7	81E-59	-0.73678	0.024	0.213	4.19E-55	Neo-G	SLC31A2
DPYSL2. 6	91E-59	0.313801	0.593	0.403	4.34E-55	Neo-G	DPYSL2
GNG7. 6	31E-59	-0.66638	0.104	0.323	4.95E-55	Neo-G	GNG7
SRSF9. 4	57E-59	0.293433	0.767	0.536	5.34E-55	Neo-G	SRSF9
ASF1A. 5	77E-59	0.403411	0.39	0.215	5.63E-55	Neo-G	ASF1A
SMARCA5. 5	84E-59	0.409788	0.501	0.33	5.74E-55	Neo-G	SMARCA5
ELOVL1. 4	45E-59	-0.62722	0.049	0.253	6.64E-55	Neo-G	ELOVL1
ELL2. 6	90E-59	-0.67548	0.024	0.213	7.32E-55	Neo-G	ELL2
PCDHB3	57E-59	0.294499	0.114	0.027	8.33E-55	Neo-G	PCDHB3
HNRNPD. 6	15E-59	0.344945	0.579	0.394	9.19E-55	Neo-G	HNRNPD
EZH2. 6	01E-59	0.412273	0.297	0.136	1.05E-54	Neo-G	EZH2
TMEM44	94E-59	0.315212	0.132	0.035	1.19E-54	Neo-G	TMEM44
UBE2D2. 4	26E-59	0.250616	0.75	0.568	1.23E-54	Neo-G	UBE2D2
MRFAP1. 6	71E-59	0.160033	0.846	0.649	1.30E-54	Neo-G	MRFAP1
PARP9. 2	75E-59	-0.48683	0.008	0.19	1.31E-54	Neo-G	PARP9
RAB31. 7	06E-58	-0.52481	0.253	0.485	1.58E-54	Neo-G	RAB31
SLC7A7. 7	07E-58	-0.74771	0.013	0.194	1.60E-54	Neo-G	SLC7A7
MYO1F. 7	14E-58	-0.72391	0.019	0.204	1.70E-54	Neo-G	MYO1F
EMP1. 3	27E-58	-0.60244	0.014	0.198	1.89E-54	Neo-G	EMP1

HMBOX1.6	1.27E-58	0.377426	0.346	0.174	1.90E-54	Neo-G	HMBOX1
PHF20L1.6	1.30E-58	0.424964	0.462	0.289	1.94E-54	Neo-G	PHF20L1
CDH2.6	1.37E-58	0.415433	0.446	0.265	2.04E-54	Neo-G	CDH2
RNF149.7	1.38E-58	-0.67556	0.086	0.293	2.07E-54	Neo-G	RNF149
RNF182.5	1.56E-58	0.300093	0.138	0.038	2.33E-54	Neo-G	RNF182
HAND2	1.78E-58	0.178776	0.066	0.009	2.66E-54	Neo-G	HAND2
ASB8.4	1.79E-58	0.36237	0.374	0.198	2.67E-54	Neo-G	ASB8
CTSZ.7	2.19E-58	-0.72767	0.075	0.278	3.27E-54	Neo-G	CTSZ
PITHD1.5	2.27E-58	0.390786	0.5	0.327	3.39E-54	Neo-G	PITHD1
SGCB.4	2.36E-58	0.336247	0.495	0.305	3.53E-54	Neo-G	SGCB
NKAIN1	2.40E-58	0.218453	0.083	0.014	3.58E-54	Neo-G	NKAIN1
MEAF6.5	2.60E-58	0.249263	0.642	0.457	3.88E-54	Neo-G	MEAF6
AP4M1.5	3.35E-58	0.386042	0.344	0.175	5.00E-54	Neo-G	AP4M1
M6PR.7	3.48E-58	-0.5797	0.172	0.408	5.20E-54	Neo-G	M6PR
MMP14.5	3.95E-58	-0.54596	0.042	0.244	5.90E-54	Neo-G	MMP14
STAU2.5	5.34E-58	0.398941	0.317	0.156	7.99E-54	Neo-G	STAU2
AKAP13.7	6.70E-58	-0.62042	0.127	0.349	1.00E-53	Neo-G	AKAP13
KCNC1	7.90E-58	0.197342	0.079	0.013	1.18E-53	Neo-G	KCNC1
LRRTM1	8.95E-58	0.223891	0.09	0.016	1.34E-53	Neo-G	LRRTM1
FYB.7	8.97E-58	-0.76493	0.049	0.244	1.34E-53	Neo-G	FYB
FAM229B.6	9.62E-58	0.350704	0.456	0.272	1.44E-53	Neo-G	FAM229B
CHMP7.5	1.21E-57	0.421975	0.318	0.16	1.81E-53	Neo-G	CHMP7
SLN.4	1.68E-57	-1.01897	0.005	0.18	2.51E-53	Neo-G	SLN
RNF187.5	1.71E-57	0.39551	0.543	0.357	2.55E-53	Neo-G	RNF187
BTF3L4.1	1.88E-57	0.24536	0.67	0.493	2.81E-53	Neo-G	BTF3L4
SGIP1.4	2.57E-57	0.276017	0.141	0.039	3.84E-53	Neo-G	SGIP1
DHRS3.5	2.73E-57	-0.65397	0.012	0.19	4.07E-53	Neo-G	DHRS3
LMNA.3	2.75E-57	-0.57256	0.219	0.44	4.11E-53	Neo-G	LMNA
PAFAH1B2.2	2.76E-57	0.380101	0.478	0.307	4.13E-53	Neo-G	PAFAH1B2
NDUFS2.2	2.99E-57	0.198997	0.716	0.531	4.46E-53	Neo-G	NDUFS2
FAM89B.6	3.01E-57	0.435571	0.394	0.228	4.50E-53	Neo-G	FAM89B
FAM32A.4	3.10E-57	0.259927	0.618	0.432	4.63E-53	Neo-G	FAM32A
REEP3.3	3.66E-57	-0.46342	0.058	0.267	5.47E-53	Neo-G	REEP3
SPRED1.4	5.57E-57	-0.44093	0.03	0.222	8.33E-53	Neo-G	SPRED1
MOB1A.7	5.83E-57	-0.58466	0.139	0.364	8.72E-53	Neo-G	MOB1A
PCBP4.7	7.17E-57	0.429724	0.409	0.237	1.07E-52	Neo-G	PCBP4
SP3.5	8.50E-57	0.434228	0.357	0.192	1.27E-52	Neo-G	SP3
MSI1.5	8.74E-57	0.462115	0.263	0.12	1.31E-52	Neo-G	MSI1
METTL2B.2	8.86E-57	0.3886	0.345	0.18	1.32E-52	Neo-G	METTL2B
NDUFB11.2	9.06E-57	0.13956	0.891	0.716	1.35E-52	Neo-G	NDUFB11
CARHSP1.6	1.01E-56	0.287158	0.59	0.403	1.51E-52	Neo-G	CARHSP1
NINJ1.7	1.05E-56	-0.62451	0.258	0.475	1.56E-52	Neo-G	NINJ1
UBE2N.4	1.06E-56	0.234825	0.687	0.502	1.59E-52	Neo-G	UBE2N
GALNT11.4	1.16E-56	0.39516	0.374	0.208	1.73E-52	Neo-G	GALNT11
UBA2.4	1.17E-56	0.354711	0.514	0.339	1.75E-52	Neo-G	UBA2
GABRA2	1.38E-56	0.142639	0.049	0.004	2.06E-52	Neo-G	GABRA2
PARP14.5	1.39E-56	-0.49318	0.003	0.175	2.08E-52	Neo-G	PARP14
CACNB3.4	1.96E-56	0.350012	0.156	0.049	2.93E-52	Neo-G	CACNB3
SLBP.5	2.23E-56	0.42733	0.463	0.292	3.34E-52	Neo-G	SLBP
TGFBI.7	2.24E-56	-0.77558	0.04	0.225	3.35E-52	Neo-G	TGFBI
PSMB7.3	2.28E-56	0.159093	0.807	0.62	3.40E-52	Neo-G	PSMB7

IER3. 7	2. 37E-56	-0. 82267	0. 071	0. 262	3. 54E-52	Neo-G	IER3
RHEB. 1	2. 43E-56	0. 221484	0. 821	0. 615	3. 63E-52	Neo-G	RHEB
ZNF669. 4	2. 44E-56	0. 337128	0. 214	0. 081	3. 64E-52	Neo-G	ZNF669
AGT. 5	2. 45E-56	-0. 71097	0. 046	0. 241	3. 67E-52	Neo-G	AGT
RBM6. 3	3. 01E-56	0. 353447	0. 474	0. 294	4. 51E-52	Neo-G	RBM6
F3. 7	3. 54E-56	-0. 51388	0. 026	0. 212	5. 29E-52	Neo-G	F3
TUSC1. 4	3. 83E-56	0. 304875	0. 189	0. 065	5. 72E-52	Neo-G	TUSC1
GABBR2	3. 93E-56	0. 159225	0. 062	0. 008	5. 88E-52	Neo-G	GABBR2
SLC2A3. 6	4. 15E-56	-0. 69174	0. 075	0. 276	6. 20E-52	Neo-G	SLC2A3
KCTD12. 7	4. 65E-56	-0. 61187	0. 06	0. 258	6. 95E-52	Neo-G	KCTD12
HIP1R. 6	4. 69E-56	0. 347505	0. 233	0. 094	7. 01E-52	Neo-G	HIP1R
HCK. 7	5. 05E-56	-0. 69546	0. 012	0. 186	7. 54E-52	Neo-G	HCK
KIAA1715. 5	5. 37E-56	0. 486251	0. 397	0. 238	8. 02E-52	Neo-G	KIAA1715
MED30. 2	5. 74E-56	0. 383546	0. 412	0. 234	8. 57E-52	Neo-G	MED30
ZNF135	6. 77E-56	0. 234288	0. 108	0. 025	1. 01E-51	Neo-G	ZNF135
TMEM179B. 7	7. 08E-56	-0. 58287	0. 207	0. 439	1. 06E-51	Neo-G	TMEM179B
ZFP1. 3	8. 39E-56	0. 326741	0. 167	0. 054	1. 25E-51	Neo-G	ZFP1
NMB. 6	9. 17E-56	-0. 59591	0. 035	0. 222	1. 37E-51	Neo-G	NMB
CRYZL1. 1	9. 54E-56	0. 325332	0. 432	0. 248	1. 43E-51	Neo-G	CRYZL1
NFKBIA. 6	9. 58E-56	-0. 60381	0. 328	0. 521	1. 43E-51	Neo-G	NFKBIA
MAP3K9	1. 05E-55	0. 149237	0. 057	0. 006	1. 57E-51	Neo-G	MAP3K9
RHBDF2. 7	1. 11E-55	-0. 68623	0. 019	0. 197	1. 66E-51	Neo-G	RHBDF2
ZFP69B	1. 18E-55	0. 214574	0. 081	0. 014	1. 77E-51	Neo-G	ZFP69B
LTC4S. 7	1. 30E-55	-0. 70898	0. 013	0. 187	1. 94E-51	Neo-G	LTC4S
RB1. 7	1. 31E-55	-0. 60421	0. 114	0. 328	1. 95E-51	Neo-G	RB1
LPAR2. 1	1. 35E-55	0. 238065	0. 107	0. 024	2. 02E-51	Neo-G	LPAR2
CUL1. 2	1. 45E-55	0. 376916	0. 386	0. 216	2. 17E-51	Neo-G	CUL1
DIXDC1. 6	1. 47E-55	0. 388266	0. 21	0. 081	2. 20E-51	Neo-G	DIXDC1
FAM133A	1. 49E-55	0. 198772	0. 071	0. 011	2. 23E-51	Neo-G	FAM133A
HCFC1R1. 4	1. 94E-55	0. 32465	0. 452	0. 262	2. 90E-51	Neo-G	HCFC1R1
CXXC4. 6	2. 00E-55	0. 399179	0. 184	0. 065	2. 99E-51	Neo-G	CXXC4
SPRY2. 6	2. 87E-55	-0. 49109	0. 045	0. 239	4. 29E-51	Neo-G	SPRY2
MGAT4A. 7	2. 91E-55	-0. 69161	0. 051	0. 241	4. 35E-51	Neo-G	MGAT4A
ICAM1. 6	2. 96E-55	-0. 61467	0. 01	0. 182	4. 42E-51	Neo-G	ICAM1
NMI. 6	2. 97E-55	-0. 56774	0. 021	0. 202	4. 43E-51	Neo-G	NMI
SLC25A22. 3	3. 02E-55	0. 385832	0. 233	0. 099	4. 52E-51	Neo-G	SLC25A22
PSME2. 5	3. 03E-55	-0. 6002	0. 367	0. 58	4. 53E-51	Neo-G	PSME2
AGPAT2. 7	3. 05E-55	-0. 45038	0. 018	0. 199	4. 56E-51	Neo-G	AGPAT2
CFLAR. 5	3. 77E-55	-0. 61054	0. 123	0. 342	5. 63E-51	Neo-G	CFLAR
AC068535. 3	3. 79E-55	0. 246788	0. 083	0. 015	5. 67E-51	Neo-G	AC068535. 2
PAPSS1. 2	3. 98E-55	0. 370164	0. 452	0. 275	5. 94E-51	Neo-G	PAPSS1
TSPYL4. 4	4. 55E-55	0. 395874	0. 22	0. 089	6. 80E-51	Neo-G	TSPYL4
WNT6	5. 05E-55	0. 153464	0. 044	0. 003	7. 55E-51	Neo-G	WNT6
WLS. 5	5. 32E-55	-0. 47993	0. 042	0. 235	7. 95E-51	Neo-G	WLS
WNK3. 5	6. 18E-55	0. 44546	0. 24	0. 105	9. 23E-51	Neo-G	WNK3
KLF4. 7	6. 93E-55	-0. 71024	0. 042	0. 226	1. 03E-50	Neo-G	KLF4
MRFAP1L1. 7	7. 49E-55	0. 389775	0. 368	0. 201	1. 12E-50	Neo-G	MRFAP1L1
DNM3. 5	7. 53E-55	0. 311305	0. 203	0. 074	1. 13E-50	Neo-G	DNM3
PRMT1. 3	9. 15E-55	0. 189151	0. 736	0. 532	1. 37E-50	Neo-G	PRMT1
LYN. 7	1. 28E-54	-0. 60147	0. 018	0. 193	1. 91E-50	Neo-G	LYN
MAP3K8. 7	1. 50E-54	-0. 71029	0. 025	0. 203	2. 24E-50	Neo-G	MAP3K8

KPNA2. 4	1. 61E-54	0. 309843	0. 526	0. 334	2. 41E-50	Neo-G	KPNA2
DUSP12. 3	1. 63E-54	0. 35238	0. 388	0. 217	2. 44E-50	Neo-G	DUSP12
LINC01122	1. 66E-54	0. 208684	0. 086	0. 016	2. 48E-50	Neo-G	LINC01122
RNASEH2C. 2	2. 06E-54	-0. 55865	0. 168	0. 398	3. 08E-50	Neo-G	RNASEH2C
DCP1A. 2	2. 27E-54	0. 379479	0. 378	0. 208	3. 39E-50	Neo-G	DCP1A
VEGFA. 4	2. 43E-54	-0. 58012	0. 046	0. 236	3. 63E-50	Neo-G	VEGFA
C1orf216. 2	2. 63E-54	0. 406773	0. 252	0. 113	3. 93E-50	Neo-G	C1orf216
ITGAV. 4	2. 82E-54	-0. 47738	0. 09	0. 301	4. 21E-50	Neo-G	ITGAV
PPP2CA. 2	2. 95E-54	0. 294763	0. 632	0. 461	4. 41E-50	Neo-G	PPP2CA
WIPF1. 7	3. 17E-54	-0. 57936	0. 049	0. 24	4. 73E-50	Neo-G	WIPF1
PPIC. 5	3. 20E-54	-0. 4791	0. 023	0. 203	4. 78E-50	Neo-G	PPIC
SQRDL. 7	3. 20E-54	-0. 62894	0. 009	0. 178	4. 78E-50	Neo-G	SQRDL
PHF6. 6	3. 50E-54	0. 415398	0. 305	0. 154	5. 23E-50	Neo-G	PHF6
TNFRSF1B. 3	3. 88E-54	-0. 67707	0. 03	0. 208	5. 81E-50	Neo-G	TNFRSF1B
ANXA7. 6	4. 21E-54	-0. 5615	0. 138	0. 363	6. 29E-50	Neo-G	ANXA7
SCD. 6	4. 31E-54	-0. 59366	0. 043	0. 233	6. 44E-50	Neo-G	SCD
LPL. 4	5. 23E-54	-0. 56288	0. 008	0. 176	7. 82E-50	Neo-G	LPL
CMTM7. 7	5. 79E-54	-0. 58999	0. 013	0. 183	8. 66E-50	Neo-G	CMTM7
MYH9. 7	6. 09E-54	-0. 52626	0. 027	0. 208	9. 10E-50	Neo-G	MYH9
PDK4. 6	6. 19E-54	-0. 7373	0. 016	0. 188	9. 25E-50	Neo-G	PDK4
ZNHIT3. 1	6. 41E-54	0. 289504	0. 543	0. 364	9. 57E-50	Neo-G	ZNHIT3
SNX32	6. 62E-54	0. 18614	0. 091	0. 018	9. 90E-50	Neo-G	SNX32
TSC22D4. 7	7. 41E-54	-0. 61641	0. 263	0. 495	1. 11E-49	Neo-G	TSC22D4
MTDH. 4	7. 51E-54	0. 265419	0. 793	0. 588	1. 12E-49	Neo-G	MTDH
TSSC1. 2	7. 84E-54	0. 382642	0. 408	0. 242	1. 17E-49	Neo-G	TSSC1
XIST. 7	1. 07E-53	0. 376334	0. 434	0. 246	1. 61E-49	Neo-G	XIST
DRAM2. 6	1. 09E-53	-0. 64097	0. 146	0. 359	1. 62E-49	Neo-G	DRAM2
PARP6. 3	1. 18E-53	0. 352829	0. 22	0. 089	1. 76E-49	Neo-G	PARP6
SMARCA1. 5	1. 18E-53	0. 391387	0. 306	0. 155	1. 77E-49	Neo-G	SMARCA1
CISD3. 6	1. 39E-53	-0. 48526	0. 071	0. 276	2. 08E-49	Neo-G	CISD3
RERE. 6	1. 44E-53	0. 40554	0. 353	0. 193	2. 15E-49	Neo-G	RERE
PLEK. 7	1. 57E-53	-0. 75351	0. 021	0. 194	2. 35E-49	Neo-G	PLEK
HAPLN4	1. 66E-53	0. 181405	0. 071	0. 011	2. 48E-49	Neo-G	HAPLN4
VAT1L	1. 82E-53	0. 181044	0. 064	0. 009	2. 71E-49	Neo-G	VAT1L
GFOD1. 1	1. 89E-53	0. 332121	0. 167	0. 055	2. 82E-49	Neo-G	GFOD1
SMIM14. 5	2. 00E-53	0. 300373	0. 489	0. 311	2. 99E-49	Neo-G	SMIM14
MAPK8. 3	2. 09E-53	0. 37796	0. 213	0. 085	3. 13E-49	Neo-G	MAPK8
HNMT. 6	2. 11E-53	-0. 71242	0. 053	0. 239	3. 15E-49	Neo-G	HNMT
TSG101	2. 11E-53	0. 246692	0. 579	0. 398	3. 16E-49	Neo-G	TSG101
HOXC8. 3	2. 14E-53	0. 260121	0. 107	0. 025	3. 20E-49	Neo-G	HOXC8
WWTR1. 7	2. 38E-53	-0. 44842	0. 01	0. 178	3. 55E-49	Neo-G	WWTR1
SBNO1. 4	3. 04E-53	0. 36017	0. 416	0. 247	4. 55E-49	Neo-G	SBNO1
HEPACAM. 6	3. 65E-53	-0. 59317	0. 022	0. 197	5. 46E-49	Neo-G	HEPACAM
ARID5A. 4	4. 14E-53	-0. 54899	0. 101	0. 313	6. 19E-49	Neo-G	ARID5A
FOXP1. 4	4. 14E-53	-0. 83033	0. 062	0. 251	6. 19E-49	Neo-G	FOXP1
EMC10. 2	4. 77E-53	0. 294352	0. 607	0. 431	7. 13E-49	Neo-G	EMC10
C15orf41. 4	4. 93E-53	0. 312792	0. 139	0. 041	7. 36E-49	Neo-G	C15orf41
SCNN1A. 1	5. 75E-53	0. 419655	0. 14	0. 04	8. 59E-49	Neo-G	SCNN1A
SERPINI1. 5	5. 83E-53	0. 243331	0. 144	0. 042	8. 71E-49	Neo-G	SERPINI1
SERPINB6. 6	6. 17E-53	-0. 55199	0. 284	0. 501	9. 23E-49	Neo-G	SERPINB6
SNRPB2. 4	8. 61E-53	0. 199941	0. 74	0. 543	1. 29E-48	Neo-G	SNRPB2

FAM118A. 4	1. 06E-52	0. 335846	0. 266	0. 116	1. 58E-48	Neo-G	FAM118A
PTGS1. 7	1. 08E-52	-0. 58106	0. 009	0. 174	1. 61E-48	Neo-G	PTGS1
ACTR3B. 4	1. 14E-52	0. 374252	0. 223	0. 093	1. 71E-48	Neo-G	ACTR3B
TDG. 4	1. 22E-52	0. 354953	0. 422	0. 255	1. 82E-48	Neo-G	TDG
MESDC2. 3	1. 37E-52	-0. 59762	0. 203	0. 428	2. 05E-48	Neo-G	MESDC2
P4HA1. 3	1. 52E-52	-0. 51785	0. 053	0. 245	2. 28E-48	Neo-G	P4HA1
NCF4. 7	1. 59E-52	-0. 70478	0. 003	0. 163	2. 38E-48	Neo-G	NCF4
CADM1. 5	1. 77E-52	0. 392918	0. 47	0. 307	2. 65E-48	Neo-G	CADM1
AQP4. 6	1. 95E-52	-0. 64425	0. 015	0. 184	2. 91E-48	Neo-G	AQP4
GBP1. 3	2. 12E-52	-0. 67009	0. 008	0. 171	3. 17E-48	Neo-G	GBP1
NPL. 6	2. 33E-52	-0. 70859	0. 042	0. 22	3. 48E-48	Neo-G	NPL
CFDP1. 4	2. 48E-52	0. 263978	0. 571	0. 397	3. 71E-48	Neo-G	CFDP1
NAGA. 7	2. 54E-52	-0. 59929	0. 028	0. 203	3. 79E-48	Neo-G	NAGA
SEPT7. 7	3. 23E-52	0. 133055	0. 872	0. 682	4. 82E-48	Neo-G	7-Sep
PLAU. 7	3. 61E-52	-0. 53169	0. 014	0. 181	5. 39E-48	Neo-G	PLAU
IRF8. 7	4. 00E-52	-0. 66493	0. 012	0. 176	5. 97E-48	Neo-G	IRF8
KIAA0895	4. 60E-52	0. 239901	0. 101	0. 023	6. 88E-48	Neo-G	KIAA0895
ENTPD1. 7	5. 01E-52	-0. 67545	0. 014	0. 18	7. 49E-48	Neo-G	ENTPD1
TAPBP. 7	5. 19E-52	-0. 49456	0. 146	0. 366	7. 76E-48	Neo-G	TAPBP
TMEM141. 5	5. 67E-52	-0. 5104	0. 072	0. 274	8. 47E-48	Neo-G	TMEM141
BHLHB9. 1	7. 30E-52	0. 259483	0. 109	0. 027	1. 09E-47	Neo-G	BHLHB9
SYNGR3	8. 28E-52	0. 287685	0. 112	0. 029	1. 24E-47	Neo-G	SYNGR3
RBM5. 4	8. 29E-52	0. 356819	0. 43	0. 26	1. 24E-47	Neo-G	RBM5
PTPN6. 7	8. 36E-52	-0. 65664	0. 015	0. 18	1. 25E-47	Neo-G	PTPN6
TMTC4. 6	8. 45E-52	0. 406598	0. 211	0. 085	1. 26E-47	Neo-G	TMTC4
GOPC. 5	1. 00E-51	0. 393635	0. 403	0. 24	1. 50E-47	Neo-G	GOPC
POU2F2. 5	1. 03E-51	0. 289022	0. 276	0. 118	1. 54E-47	Neo-G	POU2F2
MSRA. 5	1. 17E-51	0. 380835	0. 408	0. 238	1. 75E-47	Neo-G	MSRA
DYNC1I2. 5	1. 24E-51	0. 271216	0. 612	0. 452	1. 85E-47	Neo-G	DYNC1I2
ZNF286A. 4	1. 25E-51	0. 319133	0. 15	0. 048	1. 87E-47	Neo-G	ZNF286A
STAB1. 6	1. 48E-51	-0. 72172	0. 015	0. 179	2. 21E-47	Neo-G	STAB1
VPS26B. 5	1. 51E-51	0. 419354	0. 367	0. 215	2. 25E-47	Neo-G	VPS26B
TM6SF1. 7	1. 54E-51	-0. 72963	0. 013	0. 176	2. 30E-47	Neo-G	TM6SF1
SPP1. 4	1. 59E-51	-0. 51689	0. 874	0. 851	2. 37E-47	Neo-G	SPP1
COPS4. 2	1. 64E-51	0. 300704	0. 482	0. 305	2. 45E-47	Neo-G	COPS4
AFAP1. 4	2. 19E-51	0. 399061	0. 189	0. 073	3. 27E-47	Neo-G	AFAP1
TTC13. 3	2. 59E-51	0. 312898	0. 168	0. 057	3. 87E-47	Neo-G	TTC13
EPHB1. 4	2. 69E-51	0. 285046	0. 128	0. 036	4. 02E-47	Neo-G	EPHB1
CD4. 7	2. 73E-51	-0. 65133	0. 011	0. 173	4. 08E-47	Neo-G	CD4
TROVE2. 6	3. 19E-51	0. 265946	0. 588	0. 414	4. 76E-47	Neo-G	TROVE2
UCP2. 7	3. 29E-51	-0. 73977	0. 104	0. 293	4. 91E-47	Neo-G	UCP2
GAA. 6	3. 47E-51	-0. 5318	0. 13	0. 343	5. 19E-47	Neo-G	GAA
PBX1. 6	3. 89E-51	0. 42093	0. 351	0. 198	5. 81E-47	Neo-G	PBX1
LINC01094	4. 06E-51	-0. 68531	0. 01	0. 171	6. 06E-47	Neo-G	LINC01094
IFI44L. 3	4. 17E-51	-0. 67057	0. 002	0. 158	6. 24E-47	Neo-G	IFI44L
FIBIN. 6	4. 27E-51	-0. 52864	0. 056	0. 247	6. 38E-47	Neo-G	FIBIN
MTRNR2L12	4. 57E-51	-1. 00309	0. 041	0. 215	6. 82E-47	Neo-G	MTRNR2L12
TTC19. 5	5. 08E-51	0. 325399	0. 506	0. 338	7. 58E-47	Neo-G	TTC19
CSTB. 5	5. 50E-51	-0. 49111	0. 563	0. 705	8. 22E-47	Neo-G	CSTB
APBB1. 6	6. 03E-51	0. 35704	0. 328	0. 173	9. 01E-47	Neo-G	APBB1
TPM2. 4	6. 24E-51	-0. 49096	0. 016	0. 181	9. 33E-47	Neo-G	TPM2

PARVG. 7	7. 26E-51	-0. 67668	0. 016	0. 179	1. 08E-46	Neo-G	PARVG
COL6A2. 6	8. 47E-51	-0. 52448	0. 016	0. 18	1. 27E-46	Neo-G	COL6A2
DFNA5. 3	8. 83E-51	0. 350698	0. 339	0. 178	1. 32E-46	Neo-G	DFNA5
SRRM2. 3	8. 96E-51	0. 268796	0. 69	0. 513	1. 34E-46	Neo-G	SRRM2
RNASE2. 7	1. 18E-50	-0. 76826	0. 014	0. 175	1. 76E-46	Neo-G	RNASE2
EFEMP1. 6	1. 29E-50	-0. 97643	0. 06	0. 241	1. 93E-46	Neo-G	EFEMP1
DNM1L. 4	1. 96E-50	0. 374945	0. 371	0. 215	2. 92E-46	Neo-G	DNM1L
STX4. 4	2. 17E-50	-0. 59688	0. 131	0. 336	3. 25E-46	Neo-G	STX4
VWC2L	2. 44E-50	0. 142275	0. 046	0. 004	3. 65E-46	Neo-G	VWC2L
FGF12. 4	2. 45E-50	0. 282146	0. 132	0. 038	3. 66E-46	Neo-G	FGF12
HIF1A. 5	2. 52E-50	-0. 50644	0. 305	0. 52	3. 77E-46	Neo-G	HIF1A
ACVR1B. 3	2. 82E-50	0. 33691	0. 191	0. 072	4. 21E-46	Neo-G	ACVR1B
CALR. 4	2. 83E-50	-0. 42834	0. 617	0. 701	4. 23E-46	Neo-G	CALR
STIP1. 4	3. 14E-50	0. 287351	0. 52	0. 353	4. 69E-46	Neo-G	STIP1
CAPZA2. 2	3. 41E-50	0. 166002	0. 806	0. 636	5. 09E-46	Neo-G	CAPZA2
C8orf33. 3	3. 49E-50	0. 336168	0. 463	0. 301	5. 21E-46	Neo-G	C8orf33
FCGBP. 6	3. 50E-50	-0. 8554	0. 071	0. 248	5. 23E-46	Neo-G	FCGBP
PCMT1. 3	3. 53E-50	0. 192779	0. 699	0. 521	5. 28E-46	Neo-G	PCMT1
GIMAP4. 7	3. 84E-50	-0. 71147	0. 009	0. 167	5. 74E-46	Neo-G	GIMAP4
KRAS. 3	4. 34E-50	0. 399615	0. 395	0. 237	6. 48E-46	Neo-G	KRAS
FOLR2. 7	4. 49E-50	-0. 91035	0. 03	0. 196	6. 71E-46	Neo-G	FOLR2
OSBPL8. 4	4. 51E-50	0. 375103	0. 452	0. 294	6. 74E-46	Neo-G	OSBPL8
CSRP2. 5	4. 66E-50	-0. 81419	0. 13	0. 322	6. 96E-46	Neo-G	CSRP2
WAS. 7	4. 78E-50	-0. 65742	0. 026	0. 193	7. 14E-46	Neo-G	WAS
SIL1. 6	4. 95E-50	-0. 50813	0. 079	0. 276	7. 40E-46	Neo-G	SIL1
DYNLL2. 7	4. 96E-50	0. 391195	0. 342	0. 189	7. 42E-46	Neo-G	DYNLL2
RPAP2. 4	5. 09E-50	0. 408738	0. 316	0. 168	7. 61E-46	Neo-G	RPAP2
ADAP2. 7	5. 64E-50	-0. 68425	0. 035	0. 202	8. 42E-46	Neo-G	ADAP2
CACNA1C	5. 94E-50	0. 141259	0. 05	0. 006	8. 88E-46	Neo-G	CACNA1C
FERMT3. 7	6. 14E-50	-0. 639	0. 02	0. 184	9. 18E-46	Neo-G	FERMT3
DYNC1H1. 5	6. 51E-50	0. 36918	0. 482	0. 32	9. 73E-46	Neo-G	DYNC1H1
KIAA1586. 7	7. 00E-50	0. 361082	0. 232	0. 101	1. 05E-45	Neo-G	KIAA1586
MLC1. 6	7. 09E-50	-0. 39466	0. 008	0. 166	1. 06E-45	Neo-G	MLC1
IGSF6. 7	7. 71E-50	-0. 70838	0. 013	0. 171	1. 15E-45	Neo-G	IGSF6
PTPN4. 6	8. 29E-50	0. 380188	0. 214	0. 089	1. 24E-45	Neo-G	PTPN4
NR3C1. 5	8. 65E-50	-0. 43249	0. 072	0. 27	1. 29E-45	Neo-G	NR3C1
RAB3B	9. 87E-50	0. 236963	0. 093	0. 021	1. 48E-45	Neo-G	RAB3B
SCAMP1. 5	1. 01E-49	0. 382287	0. 354	0. 197	1. 50E-45	Neo-G	SCAMP1
ZCCHC18	1. 01E-49	0. 229399	0. 092	0. 02	1. 51E-45	Neo-G	ZCCHC18
EGFR. 6	1. 07E-49	-0. 62142	0. 126	0. 321	1. 61E-45	Neo-G	EGFR
FBXO3. 4	1. 14E-49	0. 36577	0. 302	0. 154	1. 70E-45	Neo-G	FBXO3
RGS7	1. 20E-49	0. 166537	0. 056	0. 007	1. 79E-45	Neo-G	RGS7
SORL1. 6	1. 27E-49	-0. 64048	0. 066	0. 247	1. 89E-45	Neo-G	SORL1
IL6ST. 6	1. 47E-49	-0. 43611	0. 079	0. 275	2. 19E-45	Neo-G	IL6ST
GPR153	1. 61E-49	0. 323924	0. 112	0. 03	2. 40E-45	Neo-G	GPR153
RSRC2. 1	1. 67E-49	0. 246543	0. 629	0. 457	2. 50E-45	Neo-G	RSRC2
POLB. 2	2. 00E-49	0. 314533	0. 19	0. 072	2. 99E-45	Neo-G	POLB
RNF5. 2	2. 47E-49	0. 255114	0. 547	0. 371	3. 69E-45	Neo-G	RNF5
CHD9. 3	2. 52E-49	0. 266709	0. 615	0. 449	3. 77E-45	Neo-G	CHD9
SPAG9. 5	2. 54E-49	0. 370416	0. 494	0. 336	3. 79E-45	Neo-G	SPAG9
MUM1. 7	2. 58E-49	0. 332296	0. 513	0. 346	3. 85E-45	Neo-G	MUM1



FKBP10.7	2.63E-49	-0.44189	0.049	0.232	3.93E-45	Neo-G	FKBP10
WIPI1.5	3.23E-49	-0.5095	0.032	0.204	4.83E-45	Neo-G	WIPI1
NEFM	3.30E-49	0.145446	0.049	0.005	4.93E-45	Neo-G	NEFM
IL1RAP.3	3.38E-49	-0.41837	0.016	0.177	5.05E-45	Neo-G	IL1RAP
MYH7	3.71E-49	0.177567	0.051	0.006	5.55E-45	Neo-G	MYH7
ATP5EP2.5	3.93E-49	-0.62909	0.248	0.471	5.88E-45	Neo-G	ATP5EP2
SPIRE2	3.95E-49	0.245765	0.11	0.028	5.90E-45	Neo-G	SPIRE2
SOAT1.7	4.24E-49	-0.52381	0.042	0.217	6.33E-45	Neo-G	SOAT1
CSDC2	4.32E-49	0.196166	0.074	0.013	6.46E-45	Neo-G	CSDC2
CDC5L.5	4.42E-49	0.36046	0.425	0.264	6.60E-45	Neo-G	CDC5L
COX19.2	4.67E-49	0.348325	0.375	0.213	6.98E-45	Neo-G	COX19
CDKN2AIP.4	4.91E-49	0.366297	0.275	0.131	7.33E-45	Neo-G	CDKN2AIP
AP2M1.1	5.25E-49	0.112893	0.859	0.694	7.84E-45	Neo-G	AP2M1
SNCA.7	5.58E-49	-0.6835	0.007	0.161	8.34E-45	Neo-G	SNCA
DAB2.6	5.62E-49	-0.64163	0.011	0.167	8.40E-45	Neo-G	DAB2
TMEM198.5	5.97E-49	0.378988	0.228	0.101	8.92E-45	Neo-G	TMEM198
USP53.7	6.19E-49	-0.61342	0.005	0.158	9.25E-45	Neo-G	USP53
YBX3.2	6.23E-49	-0.46076	0.207	0.429	9.31E-45	Neo-G	YBX3
APBB1IP.7	1.04E-48	-0.61953	0.016	0.174	1.55E-44	Neo-G	APBB1IP
ASNSD1.5	1.14E-48	0.320835	0.417	0.253	1.70E-44	Neo-G	ASNSD1
LRRTM4	1.21E-48	0.190869	0.069	0.012	1.81E-44	Neo-G	LRRTM4
CFD.6	1.46E-48	-0.67939	0.016	0.173	2.18E-44	Neo-G	CFD
FAM71E1	1.64E-48	0.20654	0.097	0.022	2.44E-44	Neo-G	FAM71E1
AP3M2.4	1.64E-48	0.344063	0.196	0.079	2.46E-44	Neo-G	AP3M2
CBX5.6	1.68E-48	0.315876	0.493	0.326	2.51E-44	Neo-G	CBX5
HIGD2A.5	1.75E-48	-0.50933	0.46	0.638	2.61E-44	Neo-G	HIGD2A
DLD.4	2.03E-48	0.286858	0.496	0.325	3.04E-44	Neo-G	DLD
BCLAF1.4	2.08E-48	0.3123	0.525	0.368	3.10E-44	Neo-G	BCLAF1
S100A9.7	2.09E-48	-0.92133	0.072	0.242	3.12E-44	Neo-G	S100A9
BDP1.3	2.12E-48	0.386669	0.383	0.228	3.17E-44	Neo-G	BDP1
SIGLEC10.2	2.28E-48	-0.65115	0.02	0.179	3.41E-44	Neo-G	SIGLEC10
BNIP3L.4	2.36E-48	0.183179	0.761	0.579	3.52E-44	Neo-G	BNIP3L
LSP1.7	2.44E-48	-0.72779	0.024	0.183	3.64E-44	Neo-G	LSP1
POLE4.5	2.65E-48	-0.50959	0.107	0.306	3.97E-44	Neo-G	POLE4
DUSP23.6	3.08E-48	-0.64448	0.039	0.206	4.60E-44	Neo-G	DUSP23
RIMS3	3.11E-48	0.151338	0.053	0.006	4.65E-44	Neo-G	RIMS3
SLC2A5.7	3.20E-48	-0.77462	0.027	0.188	4.78E-44	Neo-G	SLC2A5
RP11-436K	3.93E-48	0.233376	0.096	0.022	5.88E-44	Neo-G	RP11-436K8.1
ANKRD53	4.38E-48	0.165039	0.057	0.008	6.55E-44	Neo-G	ANKRD53
ZNF791.4	4.94E-48	0.348812	0.415	0.253	7.39E-44	Neo-G	ZNF791
MAP4K4.5	5.70E-48	0.356816	0.391	0.231	8.52E-44	Neo-G	MAP4K4
GNG4.6	5.72E-48	0.380187	0.23	0.102	8.55E-44	Neo-G	GNG4
TSHZ1.4	5.75E-48	0.321411	0.17	0.062	8.60E-44	Neo-G	TSHZ1
HCN3	5.79E-48	0.196357	0.078	0.015	8.66E-44	Neo-G	HCN3
ZC3H6.5	5.92E-48	0.391307	0.272	0.132	8.84E-44	Neo-G	ZC3H6
ENHO.6	6.03E-48	0.429557	0.271	0.136	9.02E-44	Neo-G	ENHO
AASDHPPT.6	6.28E-48	0.327224	0.428	0.271	9.39E-44	Neo-G	AASDHPPT
VEZT.5	6.60E-48	0.401635	0.361	0.21	9.86E-44	Neo-G	VEZT
CACFD1.5	6.68E-48	0.351522	0.189	0.075	9.98E-44	Neo-G	CACFD1
G3BP2.3	6.84E-48	0.338601	0.418	0.259	1.02E-43	Neo-G	G3BP2
TERF1.3	7.44E-48	0.337738	0.466	0.306	1.11E-43	Neo-G	TERF1

LRR4. 1	7. 57E-48	0. 254899	0. 124	0. 035	1. 13E-43 Neo-G	LRR4
ATP5E. 4	8. 13E-48	-0. 27953	0. 937	0. 911	1. 21E-43 Neo-G	ATP5E
MAP3K13. 4	9. 06E-48	0. 25962	0. 541	0. 376	1. 35E-43 Neo-G	MAP3K13
TXNDC12. 4	9. 48E-48	-0. 5372	0. 241	0. 455	1. 42E-43 Neo-G	TXNDC12
CHST12. 5	9. 69E-48	0. 356885	0. 386	0. 229	1. 45E-43 Neo-G	CHST12
OLIG1. 7	1. 07E-47	-0. 6642	0. 033	0. 198	1. 60E-43 Neo-G	OLIG1
TECR. 4	1. 16E-47	-0. 58139	0. 396	0. 56	1. 73E-43 Neo-G	TECR
COQ7. 4	1. 18E-47	0. 371492	0. 321	0. 171	1. 77E-43 Neo-G	COQ7
TREM1. 6	1. 33E-47	-0. 80784	0. 024	0. 181	1. 99E-43 Neo-G	TREM1
NELL2. 5	1. 36E-47	0. 405321	0. 217	0. 092	2. 03E-43 Neo-G	NELL2
FUOM. 7	1. 42E-47	-0. 56338	0. 007	0. 157	2. 12E-43 Neo-G	FUOM
MTRNR2L8. 1	1. 45E-47	-0. 91587	0. 042	0. 209	2. 17E-43 Neo-G	MTRNR2L8
BDH2. 2	1. 54E-47	-0. 48029	0. 007	0. 158	2. 30E-43 Neo-G	BDH2
ZFP37. 4	1. 58E-47	0. 273718	0. 133	0. 041	2. 37E-43 Neo-G	ZFP37
NUDCD3. 4	1. 60E-47	0. 371458	0. 332	0. 182	2. 39E-43 Neo-G	NUDCD3
PILRA. 6	1. 63E-47	-0. 71973	0. 024	0. 182	2. 43E-43 Neo-G	PILRA
BBOX1. 6	1. 65E-47	-0. 49408	0. 005	0. 153	2. 47E-43 Neo-G	BBOX1
CBX4. 7	1. 67E-47	0. 401327	0. 229	0. 101	2. 50E-43 Neo-G	CBX4
CSF3R. 6	1. 68E-47	-0. 67964	0. 016	0. 169	2. 51E-43 Neo-G	CSF3R
RCAN2. 4	1. 74E-47	0. 211786	0. 123	0. 034	2. 60E-43 Neo-G	RCAN2
PRPF40A. 3	1. 77E-47	0. 289203	0. 588	0. 433	2. 64E-43 Neo-G	PRPF40A
ZFP90. 6	1. 80E-47	0. 407155	0. 247	0. 117	2. 69E-43 Neo-G	ZFP90
PTCHD2	1. 87E-47	0. 2152	0. 068	0. 011	2. 79E-43 Neo-G	PTCHD2
KIAA2026. 1	1. 93E-47	0. 348489	0. 268	0. 128	2. 88E-43 Neo-G	KIAA2026
CPQ. 5	2. 03E-47	-0. 54585	0. 031	0. 196	3. 03E-43 Neo-G	CPQ
MSN. 7	2. 45E-47	-0. 49401	0. 185	0. 398	3. 66E-43 Neo-G	MSN
CYBRD1. 2	2. 60E-47	-0. 46187	0. 028	0. 194	3. 89E-43 Neo-G	CYBRD1
PLD4. 7	3. 07E-47	-0. 68614	0. 016	0. 17	4. 59E-43 Neo-G	PLD4
RP11-713P	3. 61E-47	0. 24161	0. 09	0. 02	5. 40E-43 Neo-G	RP11-713P17. 3
KLC2. 6	3. 80E-47	0. 380206	0. 234	0. 107	5. 68E-43 Neo-G	KLC2
MEF2A. 7	3. 98E-47	-0. 55787	0. 06	0. 234	5. 95E-43 Neo-G	MEF2A
ZNF326. 4	4. 25E-47	0. 367436	0. 384	0. 231	6. 35E-43 Neo-G	ZNF326
MAPKAPK3. 4	4. 33E-47	-0. 44608	0. 026	0. 188	6. 46E-43 Neo-G	MAPKAPK3
MTURN. 4	4. 39E-47	0. 288392	0. 18	0. 067	6. 56E-43 Neo-G	MTURN
SERPINF1. 4	4. 78E-47	-0. 64401	0. 064	0. 244	7. 14E-43 Neo-G	SERPINF1
FAM129A. 4	5. 70E-47	-0. 39917	0. 007	0. 156	8. 52E-43 Neo-G	FAM129A
ST8SIA5. 4	6. 01E-47	0. 275952	0. 118	0. 033	8. 97E-43 Neo-G	ST8SIA5
XPR1. 4	6. 16E-47	0. 366754	0. 24	0. 111	9. 20E-43 Neo-G	XPR1
ZNF667. 6	6. 59E-47	0. 345867	0. 18	0. 07	9. 85E-43 Neo-G	ZNF667
LRPAP1. 5	6. 66E-47	-0. 51296	0. 364	0. 569	9. 95E-43 Neo-G	LRPAP1
EPM2AIP1. 7	0. 9E-47	0. 368739	0. 332	0. 182	1. 06E-42 Neo-G	EPM2AIP1
KIAA1211	7. 69E-47	0. 215211	0. 084	0. 018	1. 15E-42 Neo-G	KIAA1211
ATP6V1A. 3	7. 96E-47	0. 38948	0. 328	0. 183	1. 19E-42 Neo-G	ATP6V1A
ZNF253. 5	8. 46E-47	0. 370024	0. 182	0. 071	1. 26E-42 Neo-G	ZNF253
SVEP1	8. 81E-47	0. 171424	0. 059	0. 009	1. 32E-42 Neo-G	SVEP1
CMTM6. 7	9. 08E-47	-0. 53049	0. 24	0. 448	1. 36E-42 Neo-G	CMTM6
RP1-293L6	9. 45E-47	0. 156849	0. 049	0. 006	1. 41E-42 Neo-G	RP1-293L6. 1
ARHGEF9. 6	9. 88E-47	0. 346257	0. 235	0. 106	1. 48E-42 Neo-G	ARHGEF9
PNCK	1. 17E-46	0. 153072	0. 076	0. 015	1. 74E-42 Neo-G	PNCK
FIS1. 4	1. 20E-46	0. 164444	0. 796	0. 619	1. 79E-42 Neo-G	FIS1
PTGR1. 3	1. 24E-46	-0. 47582	0. 036	0. 204	1. 85E-42 Neo-G	PTGR1

XBP1. 7	1. 29E-46	-0. 5106	0. 189	0. 393	1. 92E-42	Neo-G	XBP1
RASSF2. 2	1. 52E-46	-0. 444	0. 087	0. 279	2. 27E-42	Neo-G	RASSF2
ZNF620. 4	1. 54E-46	0. 27639	0. 146	0. 049	2. 30E-42	Neo-G	ZNF620
CWC27. 4	1. 65E-46	0. 345351	0. 4	0. 247	2. 47E-42	Neo-G	CWC27
NUCB2. 3	1. 67E-46	0. 282219	0. 496	0. 329	2. 50E-42	Neo-G	NUCB2
MTMR4. 6	1. 96E-46	0. 405858	0. 281	0. 146	2. 94E-42	Neo-G	MTMR4
NHLH2	2. 08E-46	0. 190253	0. 051	0. 006	3. 10E-42	Neo-G	NHLH2
C9orf16. 4	2. 13E-46	0. 20693	0. 75	0. 561	3. 18E-42	Neo-G	C9orf16
GABBR1. 6	2. 28E-46	0. 338995	0. 176	0. 067	3. 41E-42	Neo-G	GABBR1
ZNF302. 6	2. 33E-46	0. 224651	0. 471	0. 296	3. 48E-42	Neo-G	ZNF302
RGCC. 5	2. 37E-46	-0. 67707	0. 095	0. 269	3. 54E-42	Neo-G	RGCC
NFE2L2. 5	2. 47E-46	-0. 45058	0. 277	0. 491	3. 69E-42	Neo-G	NFE2L2
PRDX1. 6	3. 08E-46	-0. 39541	0. 79	0. 81	4. 60E-42	Neo-G	PRDX1
REXO2. 6	3. 17E-46	-0. 60179	0. 14	0. 34	4. 73E-42	Neo-G	REXO2
VPS28. 2	3. 23E-46	0. 137779	0. 793	0. 617	4. 82E-42	Neo-G	VPS28
CLSTN2	3. 29E-46	0. 206589	0. 078	0. 016	4. 92E-42	Neo-G	CLSTN2
RNF145. 3	3. 34E-46	0. 321541	0. 521	0. 36	4. 99E-42	Neo-G	RNF145
FKBP1B. 2	3. 35E-46	0. 399194	0. 233	0. 109	5. 00E-42	Neo-G	FKBP1B
C1S. 5	3. 45E-46	-0. 75899	0. 023	0. 179	5. 15E-42	Neo-G	C1S
RAMP3. 3	3. 66E-46	0. 230403	0. 086	0. 019	5. 47E-42	Neo-G	RAMP3
ARHGEF6. 2	3. 78E-46	-0. 36581	0. 009	0. 158	5. 64E-42	Neo-G	ARHGEF6
ZNF236. 3	4. 41E-46	0. 329452	0. 165	0. 06	6. 59E-42	Neo-G	ZNF236
SLC29A4. 4	4. 77E-46	0. 341277	0. 181	0. 07	7. 13E-42	Neo-G	SLC29A4
ALOX5. 7	5. 18E-46	-0. 60112	0. 009	0. 154	7. 74E-42	Neo-G	ALOX5
ADAM28. 6	5. 40E-46	-0. 65276	0. 01	0. 157	8. 07E-42	Neo-G	ADAM28
LNX1. 4	5. 45E-46	0. 282486	0. 163	0. 057	8. 14E-42	Neo-G	LNX1
FAM228B. 6	5. 49E-46	0. 354084	0. 349	0. 199	8. 21E-42	Neo-G	FAM228B
KLHL24. 4	5. 78E-46	0. 322224	0. 315	0. 162	8. 64E-42	Neo-G	KLHL24
SWAP70. 7	5. 81E-46	-0. 47799	0. 064	0. 241	8. 69E-42	Neo-G	SWAP70
RBFOX3	6. 01E-46	0. 210924	0. 082	0. 017	8. 98E-42	Neo-G	RBFOX3
CERK. 3	6. 02E-46	0. 370884	0. 216	0. 094	9. 00E-42	Neo-G	CERK
GUCY1B3	6. 56E-46	0. 224957	0. 079	0. 016	9. 80E-42	Neo-G	GUCY1B3
AKIRIN2. 4	7. 21E-46	0. 336289	0. 526	0. 364	1. 08E-41	Neo-G	AKIRIN2
RP11-192H	7. 36E-46	0. 351319	0. 224	0. 101	1. 10E-41	Neo-G	RP11-192H23. 6
AMPH	7. 49E-46	0. 18781	0. 079	0. 016	1. 12E-41	Neo-G	AMPH
ZNF71. 5	7. 67E-46	0. 338354	0. 184	0. 072	1. 15E-41	Neo-G	ZNF71
CMAS. 2	9. 23E-46	0. 361462	0. 401	0. 25	1. 38E-41	Neo-G	CMAS
ANKIB1. 6	9. 24E-46	0. 391728	0. 335	0. 193	1. 38E-41	Neo-G	ANKIB1
WDR6. 5	9. 40E-46	0. 363347	0. 369	0. 215	1. 40E-41	Neo-G	WDR6
DNAJC8. 2	9. 75E-46	0. 158951	0. 698	0. 534	1. 46E-41	Neo-G	DNAJC8
LINC00662	9. 85E-46	0. 378198	0. 311	0. 167	1. 47E-41	Neo-G	LINC00662
TMEM256. 5	9. 92E-46	-0. 52748	0. 237	0. 453	1. 48E-41	Neo-G	TMEM256
MYCNOS	1. 08E-45	0. 185622	0. 06	0. 009	1. 62E-41	Neo-G	MYCNOS
RFXANK. 2	1. 14E-45	-0. 50194	0. 142	0. 347	1. 70E-41	Neo-G	RFXANK
CH25H. 4	1. 21E-45	-0. 82152	0. 015	0. 163	1. 80E-41	Neo-G	CH25H
TIGD3	1. 23E-45	0. 194178	0. 083	0. 018	1. 84E-41	Neo-G	TIGD3
CYC1. 5	1. 47E-45	0. 255079	0. 702	0. 52	2. 20E-41	Neo-G	CYC1
ZNF524. 3	1. 48E-45	-0. 36593	0. 038	0. 206	2. 21E-41	Neo-G	ZNF524
CASD1. 5	1. 57E-45	0. 297287	0. 174	0. 065	2. 35E-41	Neo-G	CASD1
TRIM46	1. 95E-45	0. 202571	0. 077	0. 016	2. 91E-41	Neo-G	TRIM46
OAS1. 4	2. 04E-45	-0. 63199	0. 005	0. 148	3. 04E-41	Neo-G	OAS1

FNDC3B. 4	2. 05E-45	-0. 38072	0. 03	0. 191	3. 07E-41	Neo-G	FNDC3B
ERI3. 4	2. 13E-45	0. 28891	0. 505	0. 352	3. 18E-41	Neo-G	ERI3
COCH. 2	2. 48E-45	0. 190777	0. 105	0. 027	3. 71E-41	Neo-G	COCH
GPSM1. 6	2. 52E-45	0. 363138	0. 165	0. 062	3. 76E-41	Neo-G	GPSM1
ARL16. 4	2. 85E-45	0. 278135	0. 461	0. 302	4. 26E-41	Neo-G	ARL16
CRCP. 4	3. 49E-45	0. 353824	0. 307	0. 166	5. 21E-41	Neo-G	CRCP
HOXB3. 3	3. 51E-45	0. 267532	0. 099	0. 025	5. 24E-41	Neo-G	HOXB3
SLPI. 4	3. 55E-45	-1. 31725	0. 018	0. 166	5. 30E-41	Neo-G	SLPI
CTXN1. 7	3. 87E-45	0. 429412	0. 277	0. 145	5. 79E-41	Neo-G	CTXN1
PLEKHB1. 5	3. 92E-45	-0. 58016	0. 059	0. 232	5. 86E-41	Neo-G	PLEKHB1
TRO. 3	4. 15E-45	0. 275427	0. 149	0. 051	6. 20E-41	Neo-G	TRO
PHF11. 6	4. 20E-45	-0. 42166	0. 011	0. 158	6. 28E-41	Neo-G	PHF11
SCAMP5. 5	4. 27E-45	0. 341067	0. 199	0. 083	6. 37E-41	Neo-G	SCAMP5
TNPO3. 2	4. 41E-45	0. 332506	0. 263	0. 128	6. 59E-41	Neo-G	TNPO3
SPTLC2. 7	5. 00E-45	-0. 57797	0. 06	0. 228	7. 47E-41	Neo-G	SPTLC2
PDE4B. 5	5. 20E-45	-0. 51387	0. 107	0. 297	7. 78E-41	Neo-G	PDE4B
C2orf69. 6	6. 10E-45	0. 389018	0. 322	0. 178	9. 12E-41	Neo-G	C2orf69
NOTCH2. 2	6. 49E-45	-0. 33508	0. 013	0. 163	9. 70E-41	Neo-G	NOTCH2
NKTR. 4	6. 68E-45	0. 313088	0. 497	0. 34	9. 98E-41	Neo-G	NKTR
RNF112. 1	7. 05E-45	0. 245939	0. 105	0. 028	1. 05E-40	Neo-G	RNF112
RABL2A. 4	7. 66E-45	0. 335521	0. 17	0. 065	1. 14E-40	Neo-G	RABL2A
GPR12	7. 96E-45	0. 108036	0. 041	0. 004	1. 19E-40	Neo-G	GPR12
NDUFB1. 4	8. 97E-45	-0. 47393	0. 422	0. 614	1. 34E-40	Neo-G	NDUFB1
AK2. 5	1. 03E-44	-0. 54734	0. 2	0. 414	1. 54E-40	Neo-G	AK2
NFKBIZ. 7	1. 10E-44	-0. 53022	0. 034	0. 192	1. 64E-40	Neo-G	NFKBIZ
ATP1B2. 7	1. 25E-44	-0. 51466	0. 078	0. 252	1. 87E-40	Neo-G	ATP1B2
C11orf58. 1	1. 41E-44	0. 113623	0. 829	0. 67	2. 11E-40	Neo-G	C11orf58
LINGO1. 4	1. 68E-44	0. 253451	0. 104	0. 028	2. 51E-40	Neo-G	LINGO1
STUB1. 4	1. 98E-44	0. 286284	0. 6	0. 444	2. 96E-40	Neo-G	STUB1
STXBP5L	2. 11E-44	0. 137922	0. 053	0. 007	3. 15E-40	Neo-G	STXBP5L
DNAJC7. 3	2. 44E-44	0. 226296	0. 606	0. 447	3. 64E-40	Neo-G	DNAJC7
MAP7D1. 5	2. 46E-44	0. 339736	0. 479	0. 329	3. 67E-40	Neo-G	MAP7D1
RNF146. 4	2. 47E-44	0. 324164	0. 39	0. 238	3. 70E-40	Neo-G	RNF146
GPR65. 7	2. 53E-44	-0. 59437	0. 008	0. 149	3. 79E-40	Neo-G	GPR65
HEXB. 7	2. 68E-44	-0. 48285	0. 227	0. 427	4. 00E-40	Neo-G	HEXB
HOXA4	2. 79E-44	0. 140483	0. 071	0. 014	4. 17E-40	Neo-G	HOXA4
FAH. 6	3. 06E-44	-0. 50751	0. 023	0. 174	4. 57E-40	Neo-G	FAH
YJEFN3. 5	3. 08E-44	0. 332438	0. 148	0. 053	4. 61E-40	Neo-G	YJEFN3
FAM200A. 4	3. 23E-44	0. 361664	0. 198	0. 084	4. 83E-40	Neo-G	FAM200A
CCT8. 3	3. 46E-44	0. 171819	0. 684	0. 517	5. 17E-40	Neo-G	CCT8
ARSJ. 5	3. 69E-44	-0. 32071	0. 002	0. 14	5. 52E-40	Neo-G	ARSJ
ATP5G2. 2	3. 79E-44	-0. 33053	0. 863	0. 87	5. 67E-40	Neo-G	ATP5G2
WSB1. 4	3. 87E-44	0. 171507	0. 803	0. 633	5. 78E-40	Neo-G	WSB1
CYGB	3. 88E-44	0. 133846	0. 04	0. 004	5. 79E-40	Neo-G	CYGB
CD69. 5	3. 96E-44	-0. 75481	0. 022	0. 169	5. 91E-40	Neo-G	CD69
IQGAP2. 2	4. 02E-44	-0. 34465	0. 016	0. 165	6. 00E-40	Neo-G	IQGAP2
SERPINB9. 4	4. 02E-44	-0. 596	0. 016	0. 162	6. 01E-40	Neo-G	SERPINB9
CEP19. 5	4. 03E-44	0. 307806	0. 17	0. 065	6. 03E-40	Neo-G	CEP19
MMP24	4. 08E-44	0. 150443	0. 063	0. 011	6. 10E-40	Neo-G	MMP24
PHYHIPL. 5	4. 35E-44	0. 262975	0. 33	0. 167	6. 50E-40	Neo-G	PHYHIPL
PARVB. 7	4. 46E-44	-0. 43026	0. 027	0. 181	6. 67E-40	Neo-G	PARVB

LMO2. 2	4. 77E-44	-0. 39187	0. 027	0. 181	7. 12E-40	Neo-G	LMO2
MDGA2	5. 37E-44	0. 146194	0. 048	0. 006	8. 03E-40	Neo-G	MDGA2
EBPL. 4	5. 77E-44	0. 414169	0. 428	0. 287	8. 62E-40	Neo-G	EBPL
C17orf58.	6. 15E-44	0. 422396	0. 305	0. 171	9. 19E-40	Neo-G	C17orf58
CHI3L2. 3	6. 34E-44	-1. 27395	0. 044	0. 197	9. 47E-40	Neo-G	CHI3L2
FCGR2B. 7	6. 50E-44	-0. 71038	0. 016	0. 16	9. 71E-40	Neo-G	FCGR2B
ICA1L. 4	6. 90E-44	0. 334635	0. 203	0. 087	1. 03E-39	Neo-G	ICA1L
PRKRA. 3	8. 31E-44	0. 30291	0. 496	0. 344	1. 24E-39	Neo-G	PRKRA
ZNF677. 5	8. 59E-44	0. 337295	0. 325	0. 182	1. 28E-39	Neo-G	ZNF677
MIS18BP1.	1. 04E-43	-0. 47825	0. 016	0. 163	1. 55E-39	Neo-G	MIS18BP1
SH3BP5. 5	1. 15E-43	0. 35713	0. 331	0. 185	1. 71E-39	Neo-G	SH3BP5
FUCA2. 7	1. 56E-43	-0. 43363	0. 081	0. 263	2. 34E-39	Neo-G	FUCA2
RP11-2E11	1. 61E-43	0. 211935	0. 093	0. 023	2. 40E-39	Neo-G	RP11-2E11. 9
U2AF1. 2	1. 68E-43	0. 190827	0. 788	0. 612	2. 51E-39	Neo-G	U2AF1
CCP110. 5	1. 74E-43	0. 321504	0. 237	0. 11	2. 60E-39	Neo-G	CCP110
TRA2A. 2	1. 83E-43	0. 286879	0. 488	0. 326	2. 73E-39	Neo-G	TRA2A
ANP32A. 7	1. 85E-43	-0. 51957	0. 244	0. 451	2. 77E-39	Neo-G	ANP32A
SNX1. 3	1. 94E-43	-0. 43515	0. 065	0. 241	2. 90E-39	Neo-G	SNX1
NIPSNAP1.	1. 97E-43	0. 395721	0. 286	0. 153	2. 95E-39	Neo-G	NIPSNAP1
ZC3HAV1. 4	2. 03E-43	-0. 4156	0. 035	0. 194	3. 03E-39	Neo-G	ZC3HAV1
GRAMD3. 7	2. 16E-43	-0. 41777	0. 013	0. 156	3. 23E-39	Neo-G	GRAMD3
CABYR	2. 36E-43	0. 201156	0. 082	0. 019	3. 53E-39	Neo-G	CABYR
PPIG	2. 58E-43	0. 196187	0. 678	0. 511	3. 86E-39	Neo-G	PPIG
ZNF397. 5	2. 68E-43	0. 350063	0. 282	0. 148	4. 00E-39	Neo-G	ZNF397
WDR48. 4	2. 79E-43	0. 313843	0. 255	0. 124	4. 16E-39	Neo-G	WDR48
MCM3AP-AS	2. 85E-43	0. 245383	0. 093	0. 023	4. 26E-39	Neo-G	MCM3AP-AS1
TTLL7. 7	3. 01E-43	0. 302824	0. 373	0. 221	4. 49E-39	Neo-G	TTLL7
PHF19. 5	3. 17E-43	-0. 39252	0. 006	0. 144	4. 73E-39	Neo-G	PHF19
HLTF. 5	3. 36E-43	0. 396167	0. 291	0. 159	5. 02E-39	Neo-G	HLTF
SIM2	3. 89E-43	0. 193909	0. 068	0. 013	5. 82E-39	Neo-G	SIM2
TMEM176A.	3. 94E-43	-0. 704	0. 082	0. 244	5. 89E-39	Neo-G	TMEM176A
ZBED5. 6	4. 52E-43	0. 362379	0. 301	0. 164	6. 76E-39	Neo-G	ZBED5
ZNF462. 7	4. 84E-43	0. 364701	0. 3	0. 162	7. 24E-39	Neo-G	ZNF462
POSTN. 6	5. 00E-43	-0. 4596	0. 007	0. 144	7. 47E-39	Neo-G	POSTN
CREB1. 4	5. 31E-43	0. 323475	0. 375	0. 225	7. 93E-39	Neo-G	CREB1
C4orf3. 4	5. 72E-43	-0. 49534	0. 526	0. 661	8. 54E-39	Neo-G	C4orf3
RP11-527D	5. 86E-43	0. 157906	0. 049	0. 007	8. 76E-39	Neo-G	RP11-527D7. 1
SIVA1. 4	6. 16E-43	-0. 50516	0. 305	0. 507	9. 20E-39	Neo-G	SIVA1
SAFB. 3	6. 70E-43	0. 355211	0. 42	0. 273	1. 00E-38	Neo-G	SAFB
F13A1. 4	6. 97E-43	-0. 82952	0. 028	0. 175	1. 04E-38	Neo-G	F13A1
TPST2. 5	8. 09E-43	-0. 41043	0. 03	0. 184	1. 21E-38	Neo-G	TPST2
ISYNA1. 3	8. 27E-43	0. 338241	0. 247	0. 12	1. 24E-38	Neo-G	ISYNA1
RGMA. 6	8. 90E-43	-0. 4222	0. 053	0. 218	1. 33E-38	Neo-G	RGMA
PSMB10. 7	9. 92E-43	-0. 53551	0. 098	0. 274	1. 48E-38	Neo-G	PSMB10
NKIRAS2. 2	1. 02E-42	0. 343253	0. 391	0. 248	1. 53E-38	Neo-G	NKIRAS2
CORO1A. 7	1. 07E-42	-0. 7178	0. 24	0. 389	1. 60E-38	Neo-G	CORO1A
FAM26F. 7	1. 12E-42	-0. 58146	0. 034	0. 183	1. 68E-38	Neo-G	FAM26F
DAB1	1. 14E-42	0. 103221	0. 041	0. 004	1. 70E-38	Neo-G	DAB1
SRPX. 6	1. 37E-42	-0. 51115	0. 038	0. 194	2. 04E-38	Neo-G	SRPX
CHD4. 4	1. 46E-42	0. 336226	0. 452	0. 306	2. 18E-38	Neo-G	CHD4
TRADD. 4	1. 47E-42	-0. 35434	0. 03	0. 184	2. 20E-38	Neo-G	TRADD

SPTBN1.5	1.73E-42	0.340028	0.407	0.258	2.59E-38	Neo-G	SPTBN1
RP11-259K15	1.83E-42	0.184059	0.071	0.014	2.73E-38	Neo-G	RP11-259K15.2
CD47	2.11E-42	-0.43882	0.204	0.406	3.15E-38	Neo-G	CD47
RP11-552D4.1	2.11E-42	-0.68209	0.002	0.134	3.15E-38	Neo-G	RP11-552D4.1
ZFPM2	2.28E-42	0.26347	0.088	0.021	3.41E-38	Neo-G	ZFPM2
ST6GAL2	2.30E-42	0.228928	0.104	0.029	3.44E-38	Neo-G	ST6GAL2
IQCE	2.37E-42	0.353463	0.225	0.106	3.54E-38	Neo-G	IQCE
MGEA5	2.47E-42	0.347919	0.364	0.216	3.70E-38	Neo-G	MGEA5
GNB1	3.21E-42	0.291554	0.547	0.399	4.80E-38	Neo-G	GNB1
NME1	3.72E-42	0.17402	0.763	0.544	5.56E-38	Neo-G	NME1
SPATA6	4.39E-42	-0.3483	0.024	0.172	6.55E-38	Neo-G	SPATA6
GRIA4	4.65E-42	0.350399	0.24	0.116	6.95E-38	Neo-G	GRIA4
C19orf70	4.90E-42	-0.49728	0.437	0.596	7.32E-38	Neo-G	C19orf70
MGST1	5.03E-42	-1.01543	0.02	0.16	7.52E-38	Neo-G	MGST1
CCL3	5.17E-42	-0.7786	0.297	0.437	7.72E-38	Neo-G	CCL3
ARRB2	5.26E-42	-0.56994	0.236	0.42	7.87E-38	Neo-G	ARRB2
SIAH2	5.65E-42	0.353707	0.34	0.195	8.44E-38	Neo-G	SIAH2
UQCR11	6.09E-42	-1.25911	0	0.129	9.10E-38	Neo-G	UQCR11
TMEM173	6.11E-42	-0.5722	0.007	0.141	9.14E-38	Neo-G	TMEM173
CD33	6.75E-42	-0.5843	0.003	0.134	1.01E-37	Neo-G	CD33
C16orf87	6.82E-42	0.356285	0.329	0.189	1.02E-37	Neo-G	C16orf87
SMCO4	7.08E-42	-0.50713	0.011	0.147	1.06E-37	Neo-G	SMCO4
ZBTB8A	7.40E-42	0.312488	0.207	0.091	1.11E-37	Neo-G	ZBTB8A
MTRNR2L1	7.74E-42	0.390336	0.333	0.175	1.16E-37	Neo-G	MTRNR2L1
RSU1	8.52E-42	-0.46789	0.105	0.289	1.27E-37	Neo-G	RSU1
CSTA	8.59E-42	-0.54686	0.009	0.143	1.28E-37	Neo-G	CSTA
VPS41	8.62E-42	0.30498	0.328	0.185	1.29E-37	Neo-G	VPS41
CNIH2	8.86E-42	0.400989	0.236	0.117	1.32E-37	Neo-G	CNIH2
KLHL13	9.29E-42	0.379732	0.196	0.087	1.39E-37	Neo-G	KLHL13
SYNC	1.00E-41	0.353933	0.296	0.161	1.50E-37	Neo-G	SYNC
TRIM13	1.02E-41	0.314478	0.386	0.232	1.53E-37	Neo-G	TRIM13
PFKFB3	1.12E-41	-0.4945	0.09	0.263	1.68E-37	Neo-G	PFKFB3
PAK2	1.36E-41	0.335448	0.476	0.337	2.03E-37	Neo-G	PAK2
LPCAT2	1.39E-41	-0.5528	0.022	0.163	2.07E-37	Neo-G	LPCAT2
ATF3	1.42E-41	-0.56597	0.146	0.321	2.12E-37	Neo-G	ATF3
PAIP2	1.45E-41	0.140516	0.77	0.613	2.17E-37	Neo-G	PAIP2
SDHD	1.52E-41	-0.4969	0.218	0.417	2.27E-37	Neo-G	SDHD
ADM	1.53E-41	-0.69434	0.047	0.202	2.28E-37	Neo-G	ADM
ARL8A	1.55E-41	0.328765	0.405	0.256	2.32E-37	Neo-G	ARL8A
HYLS1	1.63E-41	0.190233	0.104	0.029	2.43E-37	Neo-G	HYLS1
CD84	1.64E-41	-0.55908	0.009	0.144	2.45E-37	Neo-G	CD84
RBM25	1.70E-41	0.258275	0.576	0.424	2.54E-37	Neo-G	RBM25
AMH	1.92E-41	0.314576	0.136	0.047	2.87E-37	Neo-G	AMH
PDE4DIP	2.42E-41	0.2459	0.416	0.245	3.62E-37	Neo-G	PDE4DIP
KPNA5	2.49E-41	0.333733	0.19	0.081	3.73E-37	Neo-G	KPNA5
UPF3A	2.69E-41	0.28053	0.474	0.329	4.02E-37	Neo-G	UPF3A
GABARAP	2.83E-41	-0.60789	0.289	0.482	4.24E-37	Neo-G	GABARAP
SPCS3	2.89E-41	-0.4879	0.154	0.346	4.32E-37	Neo-G	SPCS3
TMEM169	2.91E-41	0.291203	0.138	0.048	4.36E-37	Neo-G	TMEM169
CSTF3	3.05E-41	0.31316	0.394	0.252	4.55E-37	Neo-G	CSTF3
SLC30A9	3.27E-41	0.359743	0.375	0.237	4.88E-37	Neo-G	SLC30A9

HAGH. 4	3. 31E-41	0. 312819	0. 483	0. 337	4. 94E-37	Neo-G	HAGH
LYRM7. 4	3. 60E-41	0. 337004	0. 324	0. 186	5. 37E-37	Neo-G	LYRM7
TIA1. 7	3. 73E-41	0. 340515	0. 374	0. 233	5. 57E-37	Neo-G	TIA1
HSF4	3. 91E-41	0. 230468	0. 093	0. 024	5. 85E-37	Neo-G	HSF4
BCL2A1. 7	4. 04E-41	-0. 61852	0. 03	0. 173	6. 03E-37	Neo-G	BCL2A1
SMARCC1. 5	4. 32E-41	0. 367291	0. 378	0. 24	6. 46E-37	Neo-G	SMARCC1
PNMA2. 6	4. 79E-41	0. 368501	0. 248	0. 126	7. 16E-37	Neo-G	PNMA2
SPPL2A. 7	4. 96E-41	-0. 38815	0. 044	0. 201	7. 41E-37	Neo-G	SPPL2A
ISG15. 5	5. 38E-41	-0. 59704	0. 189	0. 377	8. 03E-37	Neo-G	ISG15
ATP5G3. 1	5. 71E-41	0. 113139	0. 893	0. 717	8. 53E-37	Neo-G	ATP5G3
LCP1. 6	5. 82E-41	-0. 57711	0. 019	0. 157	8. 69E-37	Neo-G	LCP1
ZSCAN16. 3	6. 98E-41	0. 270325	0. 148	0. 053	1. 04E-36	Neo-G	ZSCAN16
GPR137B. 4	7. 20E-41	-0. 38424	0. 076	0. 248	1. 08E-36	Neo-G	GPR137B
PRPSAP1. 6	7. 94E-41	0. 328951	0. 434	0. 29	1. 19E-36	Neo-G	PRPSAP1
LRRC1. 5	9. 30E-41	0. 309859	0. 157	0. 059	1. 39E-36	Neo-G	LRRC1
COL4A2. 4	9. 49E-41	-0. 28775	0. 009	0. 143	1. 42E-36	Neo-G	COL4A2
SERPING1. 1	1. 02E-40	-0. 94767	0. 092	0. 251	1. 52E-36	Neo-G	SERPING1
CMIP. 4	1. 02E-40	0. 337206	0. 296	0. 158	1. 52E-36	Neo-G	CMIP
SEZ6L. 6	1. 13E-40	0. 338834	0. 251	0. 121	1. 69E-36	Neo-G	SEZ6L
PDRG1. 5	1. 15E-40	0. 311915	0. 394	0. 253	1. 72E-36	Neo-G	PDRG1
RP11-71N1	1. 25E-40	-0. 36702	0. 014	0. 151	1. 87E-36	Neo-G	RP11-71N10. 1
ZNF713. 2	1. 28E-40	0. 244677	0. 12	0. 038	1. 92E-36	Neo-G	ZNF713
HSPH1. 3	1. 32E-40	0. 281555	0. 5	0. 344	1. 98E-36	Neo-G	HSPH1
HIST1H1C. 1	1. 36E-40	-0. 56619	0. 049	0. 205	2. 03E-36	Neo-G	HIST1H1C
NCKAP1L. 7	1. 44E-40	-0. 54596	0. 006	0. 136	2. 16E-36	Neo-G	NCKAP1L
NSFL1C. 2	1. 52E-40	0. 25053	0. 537	0. 385	2. 27E-36	Neo-G	NSFL1C
NOP10. 7	1. 60E-40	-0. 44223	0. 48	0. 621	2. 40E-36	Neo-G	NOP10
SAMHD1. 7	1. 72E-40	-0. 53109	0. 072	0. 232	2. 57E-36	Neo-G	SAMHD1
PPP1R3F	1. 76E-40	0. 239657	0. 098	0. 027	2. 63E-36	Neo-G	PPP1R3F
FAM200B. 4	1. 79E-40	0. 257144	0. 5	0. 35	2. 67E-36	Neo-G	FAM200B
PPP2R2C	1. 94E-40	0. 138351	0. 056	0. 009	2. 89E-36	Neo-G	PPP2R2C
SOX5. 5	1. 99E-40	0. 337964	0. 181	0. 077	2. 97E-36	Neo-G	SOX5
CTBS. 4	2. 05E-40	-0. 41062	0. 027	0. 172	3. 06E-36	Neo-G	CTBS
COPS3. 3	2. 07E-40	0. 250458	0. 505	0. 352	3. 09E-36	Neo-G	COPS3
ZNF254. 4	2. 15E-40	0. 333063	0. 253	0. 128	3. 21E-36	Neo-G	ZNF254
TBCA. 6	2. 21E-40	0. 111891	0. 877	0. 69	3. 30E-36	Neo-G	TBCA
ARHGAP33. 2	2. 36E-40	0. 316601	0. 174	0. 071	3. 53E-36	Neo-G	ARHGAP33
NOTCH2NL. 2	2. 51E-40	-0. 3369	0. 033	0. 183	3. 76E-36	Neo-G	NOTCH2NL
CAB39L. 5	2. 53E-40	0. 284106	0. 162	0. 063	3. 78E-36	Neo-G	CAB39L
NXT1. 3	2. 54E-40	0. 336905	0. 444	0. 301	3. 79E-36	Neo-G	NXT1
MED10. 6	2. 55E-40	0. 144555	0. 635	0. 465	3. 80E-36	Neo-G	MED10
PWP1. 3	2. 92E-40	0. 307486	0. 43	0. 287	4. 36E-36	Neo-G	PWP1
AOAH. 6	2. 98E-40	-0. 58089	0. 008	0. 137	4. 46E-36	Neo-G	AOAH
HSPD1. 6	3. 29E-40	0. 144092	0. 763	0. 596	4. 91E-36	Neo-G	HSPD1
TMEM123. 3	3. 84E-40	-0. 41149	0. 215	0. 418	5. 74E-36	Neo-G	TMEM123
FAM60A. 4	4. 24E-40	0. 358396	0. 291	0. 16	6. 34E-36	Neo-G	FAM60A
PQLC3. 6	4. 38E-40	-0. 38122	0. 046	0. 201	6. 55E-36	Neo-G	PQLC3
CTC-239J1	4. 89E-40	0. 239129	0. 06	0. 011	7. 31E-36	Neo-G	CTC-239J10. 1
NPAS3. 7	5. 14E-40	-0. 32308	0. 028	0. 175	7. 69E-36	Neo-G	NPAS3
TAF11. 3	5. 19E-40	0. 290821	0. 405	0. 261	7. 76E-36	Neo-G	TAF11
HOXC-AS1. 5	6. 66E-40	0. 210566	0. 077	0. 017	8. 47E-36	Neo-G	HOXC-AS1

ADPGK. 7	5. 89E-40	-0. 43328	0. 104	0. 281	8. 81E-36	Neo-G	ADPGK
TLE1. 5	6. 46E-40	-0. 31924	0. 035	0. 186	9. 65E-36	Neo-G	TLE1
RCS1. 6	7. 08E-40	-0. 55276	0. 006	0. 134	1. 06E-35	Neo-G	RCS1
R3HCC1. 4	7. 39E-40	0. 303256	0. 412	0. 271	1. 10E-35	Neo-G	R3HCC1
DDX1. 4	8. 66E-40	0. 270016	0. 487	0. 344	1. 29E-35	Neo-G	DDX1
PADI2. 5	8. 77E-40	-0. 55666	0. 016	0. 149	1. 31E-35	Neo-G	PADI2
LYZ. 7	8. 81E-40	-0. 69003	0. 073	0. 222	1. 32E-35	Neo-G	LYZ
NACAD. 6	8. 94E-40	0. 281341	0. 185	0. 077	1. 34E-35	Neo-G	NACAD
SCD5. 6	9. 45E-40	0. 241592	0. 571	0. 373	1. 41E-35	Neo-G	SCD5
PBXIP1. 2	9. 88E-40	-0. 41619	0. 015	0. 149	1. 48E-35	Neo-G	PBXIP1
APOL4. 3	1. 04E-39	0. 214871	0. 113	0. 034	1. 56E-35	Neo-G	APOL4
TMED1. 4	1. 22E-39	-0. 4933	0. 126	0. 311	1. 83E-35	Neo-G	TMED1
ARFGAP2. 3	1. 29E-39	0. 310764	0. 423	0. 276	1. 93E-35	Neo-G	ARFGAP2
RP11-725F	1. 37E-39	0. 206746	0. 078	0. 018	2. 04E-35	Neo-G	RP11-725P16. 2
TCIRG1. 7	1. 41E-39	-0. 47511	0. 01	0. 139	2. 11E-35	Neo-G	TCIRG1
YIPF3. 6	1. 45E-39	0. 178158	0. 617	0. 467	2. 16E-35	Neo-G	YIPF3
IL1B. 7	1. 48E-39	-0. 73276	0. 086	0. 238	2. 21E-35	Neo-G	IL1B
PLA2G5. 6	1. 50E-39	-0. 55275	0	0. 122	2. 23E-35	Neo-G	PLA2G5
FAM126B. 4	1. 61E-39	0. 300647	0. 252	0. 125	2. 41E-35	Neo-G	FAM126B
ACSS3. 5	1. 63E-39	-0. 2612	0. 002	0. 125	2. 44E-35	Neo-G	ACSS3
BRSK2. 3	1. 68E-39	0. 234982	0. 106	0. 031	2. 51E-35	Neo-G	BRSK2
BIN2. 6	1. 70E-39	-0. 51667	0. 002	0. 126	2. 53E-35	Neo-G	BIN2
STXBP3. 1	1. 82E-39	-0. 41658	0. 053	0. 211	2. 72E-35	Neo-G	STXBP3
ABLIM2	2. 10E-39	0. 188721	0. 071	0. 015	3. 14E-35	Neo-G	ABLIM2
GNG12. 5	2. 11E-39	-0. 29023	0. 016	0. 153	3. 16E-35	Neo-G	GNG12
GALNT2. 2	2. 17E-39	-0. 41814	0. 091	0. 262	3. 24E-35	Neo-G	GALNT2
COMMD4. 1	2. 64E-39	-0. 43902	0. 138	0. 325	3. 94E-35	Neo-G	COMMD4
GABARAPL1	2. 70E-39	0. 210471	0. 45	0. 279	4. 03E-35	Neo-G	GABARAPL1
SPOP. 4	2. 79E-39	0. 324297	0. 43	0. 294	4. 17E-35	Neo-G	SPOP
KLHDC9. 5	2. 87E-39	0. 304058	0. 159	0. 063	4. 29E-35	Neo-G	KLHDC9
SPTSSA. 5	2. 96E-39	-0. 51403	0. 253	0. 449	4. 42E-35	Neo-G	SPTSSA
DTX1	2. 99E-39	0. 219837	0. 084	0. 021	4. 47E-35	Neo-G	DTX1
RNF139. 4	3. 00E-39	0. 37931	0. 379	0. 24	4. 48E-35	Neo-G	RNF139
RSPRY1. 5	3. 01E-39	0. 352763	0. 367	0. 234	4. 51E-35	Neo-G	RSPRY1
GNB2L1. 5	3. 13E-39	-0. 29137	0. 962	0. 94	4. 68E-35	Neo-G	GNB2L1
TAP1. 2	3. 42E-39	-0. 41105	0. 096	0. 273	5. 11E-35	Neo-G	TAP1
CNPY2. 5	3. 90E-39	0. 139844	0. 731	0. 549	5. 83E-35	Neo-G	CNPY2
TAF9. 3	3. 95E-39	0. 174042	0. 64	0. 483	5. 91E-35	Neo-G	TAF9
SLC29A1. 6	4. 24E-39	-0. 52028	0. 019	0. 152	6. 33E-35	Neo-G	SLC29A1
TGFBR2. 6	4. 32E-39	-0. 4193	0. 005	0. 131	6. 46E-35	Neo-G	TGFBR2
OSM. 7	4. 37E-39	-0. 68691	0. 025	0. 16	6. 53E-35	Neo-G	OSM
CLIP2. 6	4. 54E-39	0. 356127	0. 295	0. 162	6. 78E-35	Neo-G	CLIP2
KLHL9. 5	4. 78E-39	0. 324499	0. 21	0. 097	7. 15E-35	Neo-G	KLHL9
ARHGAP18.	5. 02E-39	-0. 55129	0. 042	0. 188	7. 50E-35	Neo-G	ARHGAP18
STXBP2. 7	5. 92E-39	-0. 59743	0. 046	0. 188	8. 85E-35	Neo-G	STXBP2
SPIN1. 5	5. 99E-39	0. 342748	0. 28	0. 153	8. 95E-35	Neo-G	SPIN1
MAF1. 4	6. 64E-39	0. 284079	0. 552	0. 413	9. 92E-35	Neo-G	MAF1
LHFPL2. 6	6. 70E-39	-0. 46055	0. 033	0. 176	1. 00E-34	Neo-G	LHFPL2
RTN2. 4	6. 90E-39	0. 228922	0. 179	0. 072	1. 03E-34	Neo-G	RTN2
SNF8. 4	7. 03E-39	0. 262536	0. 588	0. 444	1. 05E-34	Neo-G	SNF8
ARG2. 5	8. 02E-39	0. 217949	0. 204	0. 086	1. 20E-34	Neo-G	ARG2



OGFRL1.7	8.35E-39	-0.46822	0.049	0.198	1.25E-34	Neo-G	OGFRL1
THY1.6	8.40E-39	0.274087	0.394	0.239	1.26E-34	Neo-G	THY1
TULP4.6	8.50E-39	0.331219	0.251	0.129	1.27E-34	Neo-G	TULP4
GPRIN1	8.62E-39	0.246882	0.106	0.032	1.29E-34	Neo-G	GPRIN1
NRBF2.3	9.28E-39	-0.41375	0.112	0.291	1.39E-34	Neo-G	NRBF2
DEDD2.2	9.70E-39	0.320387	0.292	0.157	1.45E-34	Neo-G	DEDD2
PRDX3.5	1.10E-38	-0.53835	0.295	0.487	1.64E-34	Neo-G	PRDX3
DUSP4.5	1.13E-38	-0.43477	0.046	0.196	1.68E-34	Neo-G	DUSP4
FAM105A.7	1.17E-38	-0.56766	0.037	0.178	1.74E-34	Neo-G	FAM105A
PTPRD.6	1.19E-38	0.251554	0.162	0.062	1.78E-34	Neo-G	PTPRD
CIAPIN1.3	1.25E-38	0.321717	0.381	0.245	1.86E-34	Neo-G	CIAPIN1
FAM210B.7	1.27E-38	0.39643	0.394	0.255	1.89E-34	Neo-G	FAM210B
PTAFR.7	1.31E-38	-0.54515	0.012	0.139	1.95E-34	Neo-G	PTAFR
PTTG1.6	1.33E-38	-0.51611	0.084	0.248	1.99E-34	Neo-G	PTTG1
FOSL2.6	1.34E-38	-0.40188	0.049	0.203	2.00E-34	Neo-G	FOSL2
TRIM22.5	1.36E-38	-0.46991	0.017	0.149	2.04E-34	Neo-G	TRIM22
CAPZB.6	1.40E-38	-0.44811	0.599	0.714	2.10E-34	Neo-G	CAPZB
MERTK.6	1.42E-38	-0.50093	0.011	0.138	2.12E-34	Neo-G	MERTK
BCL2L12.3	1.55E-38	-0.31051	0.012	0.141	2.32E-34	Neo-G	BCL2L12
SNHG8.3	1.58E-38	-0.50252	0.296	0.489	2.36E-34	Neo-G	SNHG8
TSHZ2.5	1.64E-38	0.225559	0.124	0.04	2.45E-34	Neo-G	TSHZ2
MAP7D3.1	1.72E-38	-0.32033	0.006	0.131	2.57E-34	Neo-G	MAP7D3
MPHOSPH10	1.75E-38	0.312987	0.363	0.223	2.62E-34	Neo-G	MPHOSPH10
OSTC.5	1.81E-38	-0.51248	0.339	0.523	2.70E-34	Neo-G	OSTC
RBM47.7	1.96E-38	-0.39595	0.006	0.13	2.93E-34	Neo-G	RBM47
TOPORS.4	2.01E-38	0.326317	0.297	0.164	3.00E-34	Neo-G	TOPORS
DHX29.5	2.06E-38	0.30207	0.434	0.295	3.08E-34	Neo-G	DHX29
BCL7B.3	2.12E-38	0.309817	0.452	0.306	3.17E-34	Neo-G	BCL7B
FTX.4	2.55E-38	0.305798	0.199	0.088	3.81E-34	Neo-G	FTX
NANOS1	2.82E-38	0.169587	0.059	0.011	4.21E-34	Neo-G	NANOS1
CPSF6.4	2.84E-38	0.292712	0.458	0.314	4.25E-34	Neo-G	CPSF6
CAND1.3	2.93E-38	0.340843	0.357	0.22	4.38E-34	Neo-G	CAND1
EVA1B.3	3.24E-38	-0.23558	0.009	0.137	4.84E-34	Neo-G	EVA1B
LINC00205	3.32E-38	0.225294	0.096	0.027	4.97E-34	Neo-G	LINC00205
OXA1L.6	3.51E-38	-0.53199	0.145	0.32	5.24E-34	Neo-G	OXA1L
DPM3.2	3.73E-38	-0.44454	0.181	0.373	5.58E-34	Neo-G	DPM3
FAM120A.5	4.07E-38	-0.3528	0.068	0.228	6.08E-34	Neo-G	FAM120A
SLC1A5.6	4.11E-38	-0.44972	0.02	0.152	6.15E-34	Neo-G	SLC1A5
RPP25L.1	4.21E-38	-0.3375	0.037	0.183	6.29E-34	Neo-G	RPP25L
UQCRFS1.3	4.37E-38	0.211346	0.687	0.527	6.53E-34	Neo-G	UQCRFS1
CTTNBP2.6	4.37E-38	0.311064	0.25	0.123	6.53E-34	Neo-G	CTTNBP2
MPP2.6	4.53E-38	0.257761	0.137	0.05	6.76E-34	Neo-G	MPP2
TMEM109.6	4.58E-38	-0.48658	0.067	0.221	6.85E-34	Neo-G	TMEM109
MIF4GD.5	4.63E-38	-0.44454	0.101	0.27	6.93E-34	Neo-G	MIF4GD
PTGER4.7	4.78E-38	-0.52966	0.012	0.137	7.14E-34	Neo-G	PTGER4
RAD21.6	5.34E-38	0.268179	0.5	0.35	7.98E-34	Neo-G	RAD21
NNMT.5	5.51E-38	-0.74113	0.035	0.173	8.24E-34	Neo-G	NNMT
MAPK8IP2.5	5.81E-38	0.276789	0.109	0.034	8.68E-34	Neo-G	MAPK8IP2
GNB4.5	6.17E-38	-0.40733	0.085	0.251	9.22E-34	Neo-G	GNB4
RAB3IP.5	6.88E-38	0.354465	0.379	0.23	1.03E-33	Neo-G	RAB3IP
NFKBID.6	7.54E-38	-0.53263	0.023	0.155	1.13E-33	Neo-G	NFKBID

MED24. 5	7. 81E-38	0. 352757	0. 279	0. 155	1. 17E-33 Neo-G	MED24
RP11-390F	8. 00E-38	-0. 29727	0. 016	0. 147	1. 20E-33 Neo-G	RP11-390P2. 4
DOCK8. 7	8. 08E-38	-0. 51274	0. 01	0. 134	1. 21E-33 Neo-G	DOCK8
CDK5. 4	8. 85E-38	0. 325775	0. 357	0. 223	1. 32E-33 Neo-G	CDK5
IL10RA. 7	8. 94E-38	-0. 54869	0. 022	0. 152	1. 34E-33 Neo-G	IL10RA
HMGB2. 7	9. 11E-38	-0. 54179	0. 351	0. 512	1. 36E-33 Neo-G	HMGB2
SIPA1. 7	9. 21E-38	-0. 40353	0. 021	0. 154	1. 38E-33 Neo-G	SIPA1
AP001347. 1	1. 02E-37	0. 21423	0. 079	0. 02	1. 52E-33 Neo-G	AP001347. 6
ZCCHC17. 4	1. 05E-37	0. 27027	0. 474	0. 336	1. 57E-33 Neo-G	ZCCHC17
PRAF2. 6	1. 11E-37	0. 347471	0. 426	0. 287	1. 66E-33 Neo-G	PRAF2
MMADHC	1. 14E-37	0. 208067	0. 566	0. 42	1. 71E-33 Neo-G	MMADHC
SELPLG. 5	1. 21E-37	-0. 58681	0. 011	0. 135	1. 81E-33 Neo-G	SELPLG
LPP. 1	1. 22E-37	-0. 35522	0. 072	0. 235	1. 82E-33 Neo-G	LPP
MLF2. 7	1. 24E-37	0. 14295	0. 773	0. 589	1. 85E-33 Neo-G	MLF2
PPP1CA. 6	1. 26E-37	-0. 4686	0. 43	0. 588	1. 89E-33 Neo-G	PPP1CA
ISG20. 3	1. 30E-37	-0. 54047	0. 011	0. 135	1. 95E-33 Neo-G	ISG20
LIN7B. 5	1. 31E-37	0. 373634	0. 222	0. 11	1. 95E-33 Neo-G	LIN7B
COL4A1. 4	1. 34E-37	-0. 25117	0. 004	0. 124	2. 00E-33 Neo-G	COL4A1
SRP72. 2	1. 37E-37	0. 20946	0. 585	0. 443	2. 05E-33 Neo-G	SRP72
TNFAIP3. 7	1. 54E-37	-0. 59708	0. 04	0. 178	2. 30E-33 Neo-G	TNFAIP3
EIF3K. 5	1. 58E-37	-0. 4177	0. 669	0. 769	2. 36E-33 Neo-G	EIF3K
ENOSF1. 5	1. 86E-37	-0. 30044	0. 012	0. 138	2. 77E-33 Neo-G	ENOSF1
SCAI. 4	1. 87E-37	0. 294527	0. 172	0. 072	2. 79E-33 Neo-G	SCAI
TMEM230. 1	1. 87E-37	-0. 43626	0. 49	0. 632	2. 80E-33 Neo-G	TMEM230
ENDOD1. 5	1. 91E-37	-0. 31156	0. 024	0. 158	2. 86E-33 Neo-G	ENDOD1
KPNA3. 3	1. 93E-37	0. 329358	0. 372	0. 241	2. 88E-33 Neo-G	KPNA3
BBC3. 2	1. 93E-37	0. 312256	0. 17	0. 07	2. 89E-33 Neo-G	BBC3
AZIN1. 2	2. 14E-37	0. 295276	0. 46	0. 314	3. 19E-33 Neo-G	AZIN1
ERC1. 1	2. 23E-37	0. 350252	0. 221	0. 109	3. 33E-33 Neo-G	ERC1
AAK1. 5	2. 34E-37	0. 313216	0. 402	0. 261	3. 50E-33 Neo-G	AAK1
STK17B. 6	2. 52E-37	-0. 53942	0. 019	0. 147	3. 77E-33 Neo-G	STK17B
AAMDC. 5	2. 56E-37	-0. 47191	0. 067	0. 223	3. 83E-33 Neo-G	AAMDC
B3GALT2. 2	2. 57E-37	0. 226624	0. 096	0. 027	3. 84E-33 Neo-G	B3GALT2
USP49. 1	2. 62E-37	0. 228099	0. 109	0. 034	3. 91E-33 Neo-G	USP49
SMC3. 5	2. 71E-37	0. 316609	0. 407	0. 271	4. 05E-33 Neo-G	SMC3
PCGF5. 4	2. 75E-37	-0. 41377	0. 047	0. 195	4. 10E-33 Neo-G	PCGF5
GLIPR2. 6	2. 76E-37	-0. 47498	0. 116	0. 287	4. 12E-33 Neo-G	GLIPR2
S100A8. 7	2. 79E-37	-0. 80104	0. 06	0. 2	4. 18E-33 Neo-G	S100A8
ZNF583. 5	2. 87E-37	0. 30319	0. 203	0. 094	4. 29E-33 Neo-G	ZNF583
GM2A. 6	3. 24E-37	-0. 43186	0. 024	0. 158	4. 85E-33 Neo-G	GM2A
BZW1. 3	3. 30E-37	0. 148057	0. 668	0. 522	4. 93E-33 Neo-G	BZW1
SF3B1. 4	3. 33E-37	0. 242567	0. 562	0. 421	4. 97E-33 Neo-G	SF3B1
AP1B1. 7	3. 40E-37	-0. 48077	0. 112	0. 277	5. 09E-33 Neo-G	AP1B1
TNFAIP6. 5	3. 42E-37	-0. 516	0. 004	0. 122	5. 11E-33 Neo-G	TNFAIP6
GPR108. 4	3. 49E-37	-0. 42	0. 11	0. 284	5. 21E-33 Neo-G	GPR108
C7orf60. 1	3. 66E-37	0. 27909	0. 156	0. 061	5. 46E-33 Neo-G	C7orf60
FBXL2	4. 08E-37	0. 168191	0. 095	0. 027	6. 10E-33 Neo-G	FBXL2
FAM127B. 6	4. 23E-37	0. 262148	0. 43	0. 285	6. 32E-33 Neo-G	FAM127B
SCP2. 3	4. 25E-37	-0. 46408	0. 445	0. 6	6. 35E-33 Neo-G	SCP2
ASAH2B	4. 67E-37	0. 204401	0. 09	0. 025	6. 97E-33 Neo-G	ASAH2B
TMEM178B. 4	4. 70E-37	0. 275074	0. 131	0. 047	7. 02E-33 Neo-G	TMEM178B

ZNF638.5	4.82E-37	0.327881	0.372	0.237	7.21E-33	Neo-G	ZNF638
CA12.7	5.06E-37	-0.36641	0.02	0.15	7.56E-33	Neo-G	CA12
CRTAP.7	5.13E-37	-0.41518	0.091	0.254	7.67E-33	Neo-G	CRTAP
RENBP.6	5.60E-37	-0.48729	0.02	0.149	8.37E-33	Neo-G	RENBP
SLC25A5.4	6.10E-37	-0.41989	0.651	0.73	9.12E-33	Neo-G	SLC25A5
B4GALT1.7	6.30E-37	-0.48908	0.011	0.134	9.42E-33	Neo-G	B4GALT1
C2.5	7.28E-37	-0.55215	0.008	0.128	1.09E-32	Neo-G	C2
XAF1.2	7.65E-37	-0.45234	0.004	0.121	1.14E-32	Neo-G	XAF1
PLEKHA8.2	7.73E-37	0.266318	0.141	0.054	1.16E-32	Neo-G	PLEKHA8
BCAR1.5	7.83E-37	0.353542	0.281	0.158	1.17E-32	Neo-G	BCAR1
STX11.7	9.53E-37	-0.51318	0.008	0.127	1.42E-32	Neo-G	STX11
SMIM4.3	9.91E-37	-0.39475	0.112	0.286	1.48E-32	Neo-G	SMIM4
ROB02.6	1.13E-36	0.366353	0.2	0.096	1.69E-32	Neo-G	ROB02
REEP2.5	1.19E-36	0.380868	0.311	0.189	1.78E-32	Neo-G	REEP2
HARS.2	1.20E-36	0.299793	0.401	0.267	1.79E-32	Neo-G	HARS
STX12	1.24E-36	0.212383	0.54	0.391	1.86E-32	Neo-G	STX12
TRNAU1AP.1	1.26E-36	0.317297	0.32	0.188	1.88E-32	Neo-G	TRNAU1AP
BTN3A2.3	1.28E-36	-0.46046	0.028	0.161	1.91E-32	Neo-G	BTN3A2
SDSL.6	1.29E-36	-0.38896	0.053	0.203	1.92E-32	Neo-G	SDSL
GAL.3	1.44E-36	0.39253	0.098	0.029	2.14E-32	Neo-G	GAL
SMARCD1.6	1.47E-36	0.366392	0.326	0.201	2.20E-32	Neo-G	SMARCD1
TMEM219.6	1.49E-36	-0.45873	0.405	0.579	2.23E-32	Neo-G	TMEM219
RBPJ.6	1.52E-36	0.228318	0.61	0.452	2.27E-32	Neo-G	RBPJ
TLE4.4	1.53E-36	-0.33778	0.038	0.179	2.28E-32	Neo-G	TLE4
RAC2.7	1.56E-36	-0.54002	0.011	0.132	2.34E-32	Neo-G	RAC2
KALRN.5	1.73E-36	0.330996	0.185	0.084	2.59E-32	Neo-G	KALRN
P2RX4.6	1.84E-36	-0.46365	0.049	0.192	2.75E-32	Neo-G	P2RX4
NR4A1.7	1.89E-36	-0.61297	0.137	0.289	2.82E-32	Neo-G	NR4A1
C7orf73.4	1.96E-36	0.117689	0.695	0.537	2.93E-32	Neo-G	C7orf73
SLC25A19.2	2.12E-36	-0.47511	0.044	0.184	3.16E-32	Neo-G	SLC25A19
CLCN4.6	2.33E-36	0.236249	0.129	0.046	3.49E-32	Neo-G	CLCN4
MBNL1.7	2.35E-36	-0.4117	0.083	0.241	3.52E-32	Neo-G	MBNL1
FAM212B-A	2.37E-36	0.205252	0.073	0.017	3.54E-32	Neo-G	FAM212B-AS1
LRRTM2.6	2.39E-36	0.298629	0.197	0.091	3.57E-32	Neo-G	LRRTM2
NCF1.7	2.49E-36	-0.48645	0.014	0.137	3.72E-32	Neo-G	NCF1
STAT1.4	2.49E-36	-0.39397	0.086	0.247	3.73E-32	Neo-G	STAT1
VEZF1.6	2.69E-36	0.324764	0.353	0.224	4.02E-32	Neo-G	VEZF1
GGH.5	2.71E-36	0.31008	0.389	0.247	4.05E-32	Neo-G	GGH
SEPN1.5	2.79E-36	-0.35893	0.071	0.226	4.17E-32	Neo-G	SEPN1
ARL10.4	2.87E-36	0.308531	0.177	0.078	4.29E-32	Neo-G	ARL10
STRA13.2	2.94E-36	0.191162	0.588	0.434	4.40E-32	Neo-G	STRA13
RORB.4	3.17E-36	0.231678	0.101	0.03	4.73E-32	Neo-G	RORB
PLEKHA4.6	3.60E-36	-0.26933	0.015	0.14	5.39E-32	Neo-G	PLEKHA4
RRAS.1	3.63E-36	-0.27179	0.003	0.118	5.42E-32	Neo-G	RRAS
ILK.3	3.76E-36	-0.48422	0.202	0.385	5.62E-32	Neo-G	ILK
DCTN1.4	4.36E-36	0.313437	0.334	0.201	6.51E-32	Neo-G	DCTN1
ZFAS1.4	4.90E-36	-0.39981	0.596	0.709	7.33E-32	Neo-G	ZFAS1
DDHD2.4	5.31E-36	0.332847	0.2	0.094	7.94E-32	Neo-G	DDHD2
HES6.6	5.31E-36	0.248442	0.435	0.268	7.94E-32	Neo-G	HES6
KIAA1033.5	5.78E-36	-0.38994	0.094	0.256	8.63E-32	Neo-G	KIAA1033
DCAF7.4	5.94E-36	0.281112	0.439	0.306	8.88E-32	Neo-G	DCAF7

MAP2K1. 7	6. 34E-36	-0. 38906	0. 119	0. 287	9. 48E-32	Neo-G	MAP2K1
NR4A2. 7	6. 40E-36	-0. 65837	0. 123	0. 267	9. 57E-32	Neo-G	NR4A2
JPH3	6. 43E-36	0. 105272	0. 048	0. 008	9. 61E-32	Neo-G	JPH3
RMDN3. 3	6. 79E-36	-0. 34948	0. 093	0. 258	1. 01E-31	Neo-G	RMDN3
PHGDH. 6	7. 04E-36	-0. 48134	0. 067	0. 216	1. 05E-31	Neo-G	PHGDH
HMHA1. 7	7. 27E-36	-0. 47088	0. 005	0. 121	1. 09E-31	Neo-G	HMHA1
IPO9. 4	7. 46E-36	0. 322285	0. 346	0. 217	1. 11E-31	Neo-G	IPO9
ITPR2. 5	7. 60E-36	-0. 35419	0. 019	0. 145	1. 14E-31	Neo-G	ITPR2
ENG. 7	7. 64E-36	-0. 53006	0. 045	0. 18	1. 14E-31	Neo-G	ENG
CCDC64	7. 65E-36	0. 10289	0. 034	0. 003	1. 14E-31	Neo-G	CCDC64
NFIC. 3	7. 98E-36	-0. 4348	0. 282	0. 452	1. 19E-31	Neo-G	NFIC
EEF1B2. 6	9. 48E-36	-0. 39095	0. 723	0. 783	1. 42E-31	Neo-G	EEF1B2
ZDHHC24. 3	1. 03E-35	-0. 31683	0. 055	0. 204	1. 54E-31	Neo-G	ZDHHC24
BMPR2. 5	1. 17E-35	0. 358922	0. 285	0. 164	1. 75E-31	Neo-G	BMPR2
CERS2. 2	1. 18E-35	-0. 38472	0. 087	0. 249	1. 76E-31	Neo-G	CERS2
ABI1. 7	1. 24E-35	-0. 44628	0. 097	0. 258	1. 86E-31	Neo-G	ABI1
UBE2R2. 4	1. 28E-35	0. 311862	0. 405	0. 272	1. 92E-31	Neo-G	UBE2R2
PSMD11. 4	1. 41E-35	0. 205891	0. 534	0. 392	2. 11E-31	Neo-G	PSMD11
ALKBH4. 5	1. 46E-35	0. 330523	0. 31	0. 184	2. 19E-31	Neo-G	ALKBH4
EPSTI1. 7	1. 59E-35	-0. 51267	0. 016	0. 138	2. 37E-31	Neo-G	EPSTI1
SNRPE. 5	1. 72E-35	0. 118616	0. 723	0. 562	2. 57E-31	Neo-G	SNRPE
PDGFC. 4	1. 73E-35	-0. 25972	0. 012	0. 132	2. 58E-31	Neo-G	PDGFC
RAP1B. 6	1. 80E-35	-0. 46531	0. 273	0. 454	2. 69E-31	Neo-G	RAP1B
KHDC1. 6	2. 09E-35	0. 268391	0. 143	0. 055	3. 12E-31	Neo-G	KHDC1
TRIM33. 5	2. 23E-35	0. 324146	0. 294	0. 169	3. 33E-31	Neo-G	TRIM33
REEP4. 7	2. 27E-35	-0. 40386	0. 044	0. 182	3. 40E-31	Neo-G	REEP4
BIVM. 5	2. 28E-35	0. 359474	0. 203	0. 099	3. 40E-31	Neo-G	BIVM
ZNF574. 4	2. 28E-35	0. 293045	0. 174	0. 076	3. 40E-31	Neo-G	ZNF574
ANXA2R. 6	2. 30E-35	0. 377932	0. 257	0. 139	3. 43E-31	Neo-G	ANXA2R
HIST1H2BK	2. 40E-35	-0. 41941	0. 073	0. 224	3. 59E-31	Neo-G	HIST1H2BK
SEC11C. 5	2. 55E-35	0. 148149	0. 631	0. 481	3. 81E-31	Neo-G	SEC11C
ABCC8	2. 57E-35	0. 152724	0. 053	0. 009	3. 84E-31	Neo-G	ABCC8
YPEL1. 7	2. 66E-35	0. 365636	0. 181	0. 083	3. 98E-31	Neo-G	YPEL1
HSDL2. 1	2. 78E-35	-0. 36221	0. 038	0. 175	4. 15E-31	Neo-G	HSDL2
HAMP. 7	2. 89E-35	-0. 75893	0. 045	0. 175	4. 32E-31	Neo-G	HAMP
LRP1. 3	2. 90E-35	-0. 46402	0. 194	0. 369	4. 34E-31	Neo-G	LRP1
PWAR6. 4	2. 98E-35	0. 276361	0. 152	0. 062	4. 45E-31	Neo-G	PWAR6
DCTPP1. 4	3. 11E-35	0. 243815	0. 455	0. 315	4. 65E-31	Neo-G	DCTPP1
PDE6D. 4	3. 16E-35	0. 316698	0. 302	0. 175	4. 73E-31	Neo-G	PDE6D
CDC34. 6	3. 24E-35	0. 382745	0. 342	0. 222	4. 85E-31	Neo-G	CDC34
KBTBD7. 5	3. 28E-35	0. 265516	0. 175	0. 076	4. 90E-31	Neo-G	KBTBD7
SCIN. 7	3. 31E-35	-0. 67239	0. 037	0. 165	4. 95E-31	Neo-G	SCIN
REV1. 4	3. 42E-35	0. 328143	0. 276	0. 154	5. 11E-31	Neo-G	REV1
RP11-472N	3. 50E-35	-0. 35378	0. 005	0. 12	5. 24E-31	Neo-G	RP11-472N13. 3
CHD6. 6	3. 98E-35	0. 330933	0. 359	0. 231	5. 95E-31	Neo-G	CHD6
BPTF. 5	4. 01E-35	0. 303751	0. 428	0. 296	6. 00E-31	Neo-G	BPTF
CDC42EP1. 4	4. 07E-35	-0. 29712	0. 017	0. 141	6. 09E-31	Neo-G	CDC42EP1
LPAR5. 5	4. 34E-35	-0. 46882	0. 004	0. 116	6. 48E-31	Neo-G	LPAR5
NTN4	4. 62E-35	0. 163925	0. 064	0. 014	6. 91E-31	Neo-G	NTN4
USP42. 5	4. 71E-35	0. 33074	0. 221	0. 11	7. 04E-31	Neo-G	USP42
ABAT. 7	4. 98E-35	0. 338377	0. 267	0. 146	7. 45E-31	Neo-G	ABAT

NYAP2	5.12E-35	0.127072	0.049	0.008	7.65E-31	Neo-G	NYAP2
CPNE3.4	5.38E-35	0.262183	0.449	0.316	8.04E-31	Neo-G	CPNE3
KPNB1.6	5.54E-35	0.218392	0.576	0.432	8.28E-31	Neo-G	KPNB1
KIAA0232.	5.55E-35	0.339445	0.254	0.139	8.30E-31	Neo-G	KIAA0232
CAT.6	6.19E-35	-0.51552	0.155	0.323	9.25E-31	Neo-G	CAT
TRABD.7	6.50E-35	-0.38866	0.112	0.277	9.71E-31	Neo-G	TRABD
TLR2.7	6.84E-35	-0.50615	0.009	0.124	1.02E-30	Neo-G	TLR2
COMMD3.3	7.41E-35	0.22768	0.478	0.339	1.11E-30	Neo-G	COMMD3
SECISBP2.	7.48E-35	0.310549	0.372	0.238	1.12E-30	Neo-G	SECISBP2
PPP2R5E.5	7.78E-35	0.347117	0.358	0.233	1.16E-30	Neo-G	PPP2R5E
DAZAP2.5	7.80E-35	-0.46458	0.377	0.556	1.17E-30	Neo-G	DAZAP2
SOCS6.4	8.00E-35	-0.39854	0.09	0.247	1.19E-30	Neo-G	SOCS6
REPIN1.7	8.30E-35	0.347461	0.387	0.26	1.24E-30	Neo-G	REPIN1
RAPGEF5.5	8.52E-35	0.136192	0.109	0.034	1.27E-30	Neo-G	RAPGEF5
ZNF331.7	8.54E-35	-0.65597	0.186	0.331	1.28E-30	Neo-G	ZNF331
OST4.3	8.63E-35	-0.34828	0.733	0.786	1.29E-30	Neo-G	OST4
PPP2R5A.1	9.34E-35	-0.27748	0.009	0.125	1.40E-30	Neo-G	PPP2R5A
PPME1.5	9.65E-35	0.328392	0.288	0.168	1.44E-30	Neo-G	PPME1
GALM.6	9.76E-35	-0.41714	0.017	0.138	1.46E-30	Neo-G	GALM
RASA4.2	1.06E-34	0.233168	0.133	0.049	1.58E-30	Neo-G	RASA4
CRB1.4	1.07E-34	0.278442	0.147	0.058	1.59E-30	Neo-G	CRB1
PIPOX.6	1.07E-34	-0.28922	0.02	0.146	1.60E-30	Neo-G	PIPOX
FKBP2.3	1.14E-34	-0.46702	0.463	0.605	1.70E-30	Neo-G	FKBP2
GNA15.7	1.17E-34	-0.45724	0.008	0.121	1.75E-30	Neo-G	GNA15
MCM5.7	1.18E-34	-0.44186	0.035	0.164	1.77E-30	Neo-G	MCM5
C5orf30.4	1.20E-34	0.274024	0.158	0.065	1.80E-30	Neo-G	C5orf30
LMNB1.6	1.23E-34	0.295788	0.259	0.136	1.83E-30	Neo-G	LMNB1
FRY	1.35E-34	0.186016	0.089	0.025	2.02E-30	Neo-G	FRY
IGSF3	1.37E-34	0.202099	0.095	0.029	2.05E-30	Neo-G	IGSF3
CNTNAP5	1.41E-34	0.118698	0.045	0.007	2.10E-30	Neo-G	CNTNAP5
EPB41.1	1.45E-34	0.22178	0.136	0.05	2.17E-30	Neo-G	EPB41
DEAF1.6	1.46E-34	0.366215	0.318	0.199	2.18E-30	Neo-G	DEAF1
USP1.6	1.57E-34	0.287499	0.378	0.244	2.34E-30	Neo-G	USP1
PTP4A3.4	1.60E-34	0.344786	0.173	0.077	2.39E-30	Neo-G	PTP4A3
SAMD9L.1	1.66E-34	-0.36119	0.002	0.111	2.49E-30	Neo-G	SAMD9L
FAM111A.4	1.71E-34	-0.35071	0.008	0.122	2.56E-30	Neo-G	FAM111A
C21orf62.	1.79E-34	-0.4095	0.039	0.172	2.68E-30	Neo-G	C21orf62
ZNF48.5	1.85E-34	0.330926	0.184	0.086	2.77E-30	Neo-G	ZNF48
SPHK1.6	1.88E-34	-0.30478	0.006	0.119	2.81E-30	Neo-G	SPHK1
MFF.2	1.92E-34	0.182589	0.623	0.473	2.87E-30	Neo-G	MFF
FANCF.5	1.92E-34	0.314305	0.179	0.081	2.88E-30	Neo-G	FANCF
CRABP1	1.97E-34	0.218323	0.043	0.006	2.95E-30	Neo-G	CRABP1
JAM2.7	1.99E-34	-0.38618	0.104	0.271	2.97E-30	Neo-G	JAM2
ATRNL1	2.13E-34	0.144997	0.062	0.013	3.19E-30	Neo-G	ATRNL1
ZNF548.2	2.35E-34	0.251073	0.148	0.059	3.52E-30	Neo-G	ZNF548
GARNL3	2.41E-34	0.218009	0.088	0.025	3.60E-30	Neo-G	GARNL3
RASSF5.7	2.45E-34	-0.43041	0.015	0.132	3.65E-30	Neo-G	RASSF5
GDPD1.5	2.68E-34	0.281503	0.144	0.057	4.01E-30	Neo-G	GDPD1
TP53I13.5	2.74E-34	-0.30394	0.098	0.262	4.09E-30	Neo-G	TP53I13
PHAX.4	2.81E-34	0.25163	0.42	0.291	4.19E-30	Neo-G	PHAX
RANBP1.6	2.83E-34	0.193221	0.745	0.557	4.23E-30	Neo-G	RANBP1

NAV1. 4	2. 88E-34	0. 338647	0. 267	0. 15	4. 30E-30	Neo-G	NAV1
COMMD7. 3	2. 96E-34	0. 276654	0. 519	0. 385	4. 42E-30	Neo-G	COMMD7
DPY30. 5	2. 98E-34	0. 147678	0. 621	0. 48	4. 45E-30	Neo-G	DPY30
AK4. 6	3. 02E-34	-0. 36118	0. 053	0. 195	4. 51E-30	Neo-G	AK4
LUC7L. 4	3. 06E-34	0. 302968	0. 361	0. 231	4. 57E-30	Neo-G	LUC7L
RNASE1. 5	3. 13E-34	-0. 87358	0. 053	0. 183	4. 68E-30	Neo-G	RNASE1
ANXA4. 5	3. 14E-34	-0. 42635	0. 064	0. 21	4. 69E-30	Neo-G	ANXA4
DENND5B. 6	3. 32E-34	0. 323401	0. 183	0. 085	4. 96E-30	Neo-G	DENND5B
PRPF6. 5	3. 60E-34	0. 253441	0. 472	0. 338	5. 38E-30	Neo-G	PRPF6
BSN	3. 63E-34	0. 150789	0. 054	0. 01	5. 42E-30	Neo-G	BSN
HPCAL1. 5	3. 70E-34	0. 318249	0. 328	0. 196	5. 54E-30	Neo-G	HPCAL1
PTK2B. 5	3. 83E-34	-0. 39694	0. 02	0. 14	5. 73E-30	Neo-G	PTK2B
ZFP14. 5	3. 91E-34	0. 30721	0. 205	0. 1	5. 85E-30	Neo-G	ZFP14
FBP1. 7	4. 46E-34	-0. 47803	0. 014	0. 129	6. 66E-30	Neo-G	FBP1
FLNA. 5	5. 02E-34	-0. 34735	0. 106	0. 268	7. 50E-30	Neo-G	FLNA
CAMKK2. 1	5. 11E-34	0. 27616	0. 149	0. 061	7. 63E-30	Neo-G	CAMKK2
SYK. 7	5. 18E-34	-0. 45197	0. 007	0. 118	7. 74E-30	Neo-G	SYK
MFGE8. 4	5. 40E-34	-0. 31051	0. 06	0. 206	8. 07E-30	Neo-G	MFGE8
DNAAF2. 6	5. 43E-34	0. 359358	0. 277	0. 16	8. 11E-30	Neo-G	DNAAF2
ACOT9. 7	5. 56E-34	-0. 39257	0. 056	0. 197	8. 30E-30	Neo-G	ACOT9
CAMK2D. 4	5. 97E-34	-0. 35531	0. 101	0. 261	8. 92E-30	Neo-G	CAMK2D
SHKBP1. 7	6. 00E-34	-0. 37315	0. 097	0. 254	8. 96E-30	Neo-G	SHKBP1
CYTH4. 7	6. 33E-34	-0. 48702	0. 011	0. 124	9. 46E-30	Neo-G	CYTH4
RRN3. 2	6. 34E-34	0. 289166	0. 236	0. 121	9. 47E-30	Neo-G	RRN3
L3HYPDH. 2	6. 61E-34	-0. 2576	0. 017	0. 138	9. 87E-30	Neo-G	L3HYPDH
SHC1. 1	6. 61E-34	-0. 32181	0. 02	0. 142	9. 88E-30	Neo-G	SHC1
NUDT5. 4	6. 65E-34	-0. 41622	0. 15	0. 325	9. 94E-30	Neo-G	NUDT5
MAF. 6	7. 55E-34	-0. 47204	0. 025	0. 148	1. 13E-29	Neo-G	MAF
MAGI2. 6	7. 86E-34	0. 28407	0. 199	0. 094	1. 17E-29	Neo-G	MAGI2
LYG2	8. 06E-34	0. 159037	0. 063	0. 014	1. 21E-29	Neo-G	LYG2
KIAA1191. 8	8. 14E-34	0. 290805	0. 378	0. 25	1. 22E-29	Neo-G	KIAA1191
LACTB2. 2	8. 14E-34	-0. 40934	0. 035	0. 165	1. 22E-29	Neo-G	LACTB2
ABHD2. 3	8. 31E-34	-0. 36517	0. 091	0. 246	1. 24E-29	Neo-G	ABHD2
TMC6. 7	8. 70E-34	-0. 43634	0. 01	0. 123	1. 30E-29	Neo-G	TMC6
GPR155. 6	8. 92E-34	0. 309233	0. 298	0. 173	1. 33E-29	Neo-G	GPR155
EBI3. 6	9. 57E-34	-0. 4736	0. 002	0. 108	1. 43E-29	Neo-G	EBI3
ADAMTS10	9. 79E-34	0. 201307	0. 108	0. 036	1. 46E-29	Neo-G	ADAMTS10
DSTN. 7	1. 02E-33	0. 112157	0. 807	0. 595	1. 52E-29	Neo-G	DSTN
RNF10. 4	1. 04E-33	0. 294104	0. 441	0. 319	1. 55E-29	Neo-G	RNF10
ALG3. 2	1. 05E-33	-0. 37445	0. 091	0. 249	1. 57E-29	Neo-G	ALG3
YAF2. 4	1. 08E-33	0. 205301	0. 472	0. 331	1. 62E-29	Neo-G	YAF2
ZNF429. 6	1. 11E-33	0. 31242	0. 226	0. 117	1. 65E-29	Neo-G	ZNF429
NDUFB6. 2	1. 19E-33	0. 164277	0. 624	0. 482	1. 78E-29	Neo-G	NDUFB6
GTF2IRD2. 1	1. 25E-33	0. 287506	0. 213	0. 104	1. 87E-29	Neo-G	GTF2IRD2
CAMSAP1. 2	1. 35E-33	0. 309541	0. 168	0. 074	2. 01E-29	Neo-G	CAMSAP1
WHSC1. 6	1. 41E-33	0. 341277	0. 255	0. 141	2. 11E-29	Neo-G	WHSC1
LYPD1. 5	1. 43E-33	-0. 35849	0. 064	0. 212	2. 14E-29	Neo-G	LYPD1
SMCR5. 5	1. 46E-33	0. 311462	0. 178	0. 081	2. 18E-29	Neo-G	SMCR5
HNRNPU. 2	1. 61E-33	0. 192115	0. 66	0. 514	2. 40E-29	Neo-G	HNRNPU
SRSF12. 5	1. 65E-33	0. 302779	0. 151	0. 063	2. 46E-29	Neo-G	SRSF12
CCDC14. 4	1. 69E-33	0. 331457	0. 336	0. 214	2. 52E-29	Neo-G	CCDC14

COPS5. 2	1. 70E-33	0. 240705	0. 526	0. 396	2. 53E-29	Neo-G	COPS5
RBBP4. 3	1. 74E-33	0. 216538	0. 551	0. 416	2. 60E-29	Neo-G	RBBP4
VASP. 7	1. 78E-33	-0. 40399	0. 102	0. 257	2. 67E-29	Neo-G	VASP
EGR2. 4	1. 82E-33	-0. 45441	0. 066	0. 207	2. 72E-29	Neo-G	EGR2
PABPC5	1. 89E-33	0. 134555	0. 053	0. 01	2. 82E-29	Neo-G	PABPC5
PPM1B. 3	1. 97E-33	0. 286046	0. 423	0. 285	2. 95E-29	Neo-G	PPM1B
FRMD4B. 7	1. 99E-33	-0. 51757	0. 044	0. 173	2. 98E-29	Neo-G	FRMD4B
CWC15. 4	2. 00E-33	0. 134841	0. 617	0. 471	2. 99E-29	Neo-G	CWC15
EIF5. 2	2. 04E-33	0. 159672	0. 789	0. 633	3. 05E-29	Neo-G	EIF5
GAL3ST3. 5	2. 11E-33	0. 30367	0. 13	0. 051	3. 15E-29	Neo-G	GAL3ST3
RRAGB. 4	2. 15E-33	0. 295534	0. 204	0. 1	3. 21E-29	Neo-G	RRAGB
FGF1. 5	2. 19E-33	-0. 33192	0. 001	0. 105	3. 27E-29	Neo-G	FGF1
LSM5. 4	2. 38E-33	0. 144294	0. 642	0. 491	3. 56E-29	Neo-G	LSM5
MT1G. 6	2. 40E-33	-0. 72629	0. 022	0. 141	3. 58E-29	Neo-G	MT1G
ZMAT2	2. 83E-33	0. 209675	0. 54	0. 406	4. 23E-29	Neo-G	ZMAT2
CCSAP. 3	2. 89E-33	0. 295747	0. 189	0. 089	4. 31E-29	Neo-G	CCSAP
KIF1B. 6	3. 13E-33	0. 321131	0. 41	0. 28	4. 68E-29	Neo-G	KIF1B
ACTR1A. 3	3. 37E-33	0. 259106	0. 399	0. 263	5. 03E-29	Neo-G	ACTR1A
HLA-F. 7	3. 42E-33	-0. 50107	0. 035	0. 16	5. 11E-29	Neo-G	HLA-F
RIN3. 7	3. 59E-33	-0. 441	0. 014	0. 127	5. 37E-29	Neo-G	RIN3
FGF14. 6	3. 66E-33	0. 356785	0. 167	0. 075	5. 47E-29	Neo-G	FGF14
GPR1	3. 69E-33	0. 220928	0. 075	0. 019	5. 51E-29	Neo-G	GPR1
RP11-277F	3. 70E-33	0. 28589	0. 145	0. 058	5. 52E-29	Neo-G	RP11-277P12. 20
LPIN1. 4	3. 82E-33	0. 303854	0. 238	0. 125	5. 71E-29	Neo-G	LPIN1
NCALD. 6	3. 86E-33	0. 29803	0. 223	0. 112	5. 77E-29	Neo-G	NCALD
BCAN. 7	3. 88E-33	-0. 61233	0. 142	0. 292	5. 80E-29	Neo-G	BCAN
ACAT2. 6	3. 98E-33	0. 280732	0. 395	0. 263	5. 95E-29	Neo-G	ACAT2
EIF1AX. 4	4. 02E-33	0. 131077	0. 683	0. 545	6. 00E-29	Neo-G	EIF1AX
CALCOCO2. 4	4. 19E-33	-0. 36435	0. 064	0. 209	6. 26E-29	Neo-G	CALCOCO2
UTRN. 4	4. 28E-33	-0. 29807	0. 01	0. 122	6. 40E-29	Neo-G	UTRN
IFT81. 5	4. 50E-33	0. 358831	0. 257	0. 147	6. 72E-29	Neo-G	IFT81
MILR1. 7	4. 71E-33	-0. 49657	0. 004	0. 11	7. 04E-29	Neo-G	MILR1
ACTN1. 4	4. 71E-33	-0. 36594	0. 112	0. 272	7. 04E-29	Neo-G	ACTN1
TRMT10C. 4	5. 10E-33	0. 304192	0. 361	0. 236	7. 62E-29	Neo-G	TRMT10C
NOL3. 7	5. 23E-33	0. 36692	0. 269	0. 153	7. 81E-29	Neo-G	NOL3
UQCRB. 5	5. 38E-33	0. 12154	0. 826	0. 66	8. 04E-29	Neo-G	UQCRB
CACNG4. 4	5. 67E-33	0. 229186	0. 116	0. 041	8. 48E-29	Neo-G	CACNG4
CLEC5A. 7	5. 88E-33	-0. 50906	0. 005	0. 111	8. 78E-29	Neo-G	CLEC5A
ALCAM. 6	5. 91E-33	-0. 33913	0. 066	0. 212	8. 83E-29	Neo-G	ALCAM
EFCAB14. 3	6. 18E-33	-0. 31552	0. 071	0. 219	9. 24E-29	Neo-G	EFCAB14
PLOD1. 3	6. 22E-33	-0. 32702	0. 062	0. 207	9. 30E-29	Neo-G	PLOD1
DUSP6. 1	6. 57E-33	-0. 42958	0. 108	0. 261	9. 82E-29	Neo-G	DUSP6
SUSD3. 6	6. 61E-33	-0. 46921	0. 002	0. 107	9. 88E-29	Neo-G	SUSD3
SNRNP70. 4	6. 91E-33	0. 237285	0. 595	0. 46	1. 03E-28	Neo-G	SNRNP70
NBPF1. 7	7. 10E-33	0. 361971	0. 34	0. 223	1. 06E-28	Neo-G	NBPF1
HECTD4. 3	7. 12E-33	0. 315662	0. 175	0. 08	1. 06E-28	Neo-G	HECTD4
TAGAP. 7	7. 25E-33	-0. 51034	0. 005	0. 112	1. 08E-28	Neo-G	TAGAP
IFI27. 2	7. 31E-33	-0. 60758	0. 013	0. 125	1. 09E-28	Neo-G	IFI27
TPRKB. 4	7. 48E-33	0. 24834	0. 479	0. 349	1. 12E-28	Neo-G	TPRKB
TMEM134. 4	7. 64E-33	-0. 37937	0. 155	0. 328	1. 14E-28	Neo-G	TMEM134
PSMD1. 3	7. 98E-33	0. 265069	0. 436	0. 309	1. 19E-28	Neo-G	PSMD1

REC8. 4	7. 99E-33	0. 243551	0. 159	0. 067	1. 19E-28	Neo-G	REC8
ARL2BP. 4	8. 09E-33	0. 228885	0. 518	0. 391	1. 21E-28	Neo-G	ARL2BP
NUPL2. 3	8. 27E-33	0. 235708	0. 39	0. 254	1. 24E-28	Neo-G	NUPL2
ASCL1. 6	8. 92E-33	0. 404046	0. 295	0. 172	1. 33E-28	Neo-G	ASCL1
CAV1. 7	9. 08E-33	-0. 84789	0. 023	0. 139	1. 36E-28	Neo-G	CAV1
NANS. 7	9. 36E-33	-0. 51513	0. 214	0. 377	1. 40E-28	Neo-G	NANS
RP11-195F	9. 46E-33	0. 205964	0. 18	0. 08	1. 41E-28	Neo-G	RP11-195F19. 5
P4HB. 4	1. 03E-32	-0. 34937	0. 483	0. 583	1. 54E-28	Neo-G	P4HB
CHST7. 5	1. 04E-32	-0. 23038	0. 01	0. 121	1. 56E-28	Neo-G	CHST7
TMEM119. 5	1. 04E-32	-0. 51956	0. 009	0. 117	1. 56E-28	Neo-G	TMEM119
ZNF737	1. 09E-32	0. 177107	0. 083	0. 024	1. 62E-28	Neo-G	ZNF737
DIRAS3. 6	1. 16E-32	-0. 55134	0. 02	0. 136	1. 73E-28	Neo-G	DIRAS3
RBM15B. 5	1. 19E-32	0. 326978	0. 272	0. 159	1. 78E-28	Neo-G	RBM15B
CARKD. 5	1. 37E-32	0. 278953	0. 228	0. 118	2. 05E-28	Neo-G	CARKD
NR4A3. 6	1. 39E-32	-0. 53414	0. 04	0. 164	2. 07E-28	Neo-G	NR4A3
LCP2. 7	1. 60E-32	-0. 46473	0. 015	0. 127	2. 39E-28	Neo-G	LCP2
INPPL1. 3	1. 62E-32	-0. 27489	0. 016	0. 132	2. 41E-28	Neo-G	INPPL1
SNRNP200.	1. 71E-32	0. 310793	0. 397	0. 27	2. 55E-28	Neo-G	SNRNP200
TRIM38. 6	1. 71E-32	-0. 40324	0. 005	0. 11	2. 56E-28	Neo-G	TRIM38
ATL3. 4	1. 74E-32	-0. 30651	0. 028	0. 151	2. 59E-28	Neo-G	ATL3
FZD7. 4	1. 79E-32	-0. 22143	0. 004	0. 109	2. 68E-28	Neo-G	FZD7
CDC42BPA.	2. 07E-32	0. 326987	0. 28	0. 167	3. 10E-28	Neo-G	CDC42BPA
PCDH11X	2. 34E-32	0. 19512	0. 075	0. 02	3. 50E-28	Neo-G	PCDH11X
MVB12B. 6	2. 37E-32	0. 249123	0. 191	0. 089	3. 55E-28	Neo-G	MVB12B
SH2B3. 7	2. 42E-32	-0. 39189	0. 011	0. 12	3. 62E-28	Neo-G	SH2B3
NKRF	2. 45E-32	0. 254649	0. 146	0. 06	3. 66E-28	Neo-G	NKRF
SDCBP. 4	2. 48E-32	-0. 39459	0. 65	0. 738	3. 71E-28	Neo-G	SDCBP
MAPKAPK5-	2. 52E-32	0. 266689	0. 335	0. 21	3. 77E-28	Neo-G	MAPKAPK5-AS1
SRSF11. 3	2. 78E-32	0. 170166	0. 661	0. 525	4. 16E-28	Neo-G	SRSF11
LRRC49. 3	2. 80E-32	0. 252533	0. 13	0. 05	4. 18E-28	Neo-G	LRRC49
RHOJ. 5	3. 10E-32	-0. 22598	0. 005	0. 111	4. 63E-28	Neo-G	RHOJ
ABCC3. 3	3. 12E-32	-0. 36972	0. 005	0. 111	4. 67E-28	Neo-G	ABCC3
HLA-DQB2.	3. 29E-32	-0. 66237	0. 005	0. 108	4. 92E-28	Neo-G	HLA-DQB2
CYR61. 5	3. 30E-32	-0. 58063	0. 053	0. 182	4. 93E-28	Neo-G	CYR61
LRRN1. 6	3. 78E-32	0. 270766	0. 199	0. 095	5. 65E-28	Neo-G	LRRN1
PABPC1. 5	3. 85E-32	-0. 33485	0. 683	0. 752	5. 75E-28	Neo-G	PABPC1
CADPS. 5	4. 05E-32	0. 147181	0. 106	0. 035	6. 05E-28	Neo-G	CADPS
SNTG1. 6	4. 50E-32	0. 239167	0. 258	0. 14	6. 73E-28	Neo-G	SNTG1
PLBD1. 7	4. 57E-32	-0. 38344	0. 003	0. 105	6. 83E-28	Neo-G	PLBD1
LILRB1. 7	4. 64E-32	-0. 42165	0. 002	0. 103	6. 94E-28	Neo-G	LILRB1
RFFL. 7	4. 68E-32	-0. 3041	0. 047	0. 179	7. 00E-28	Neo-G	RFFL
PDIA3. 7	4. 89E-32	-0. 34942	0. 485	0. 595	7. 30E-28	Neo-G	PDIA3
AP3S1. 3	5. 30E-32	0. 192599	0. 543	0. 413	7. 92E-28	Neo-G	AP3S1
SDC4. 2	5. 69E-32	-0. 32372	0. 004	0. 107	8. 50E-28	Neo-G	SDC4
TFRC. 6	5. 70E-32	-0. 44926	0. 083	0. 225	8. 52E-28	Neo-G	TFRC
TNFRSF14.	5. 98E-32	-0. 43455	0. 016	0. 127	8. 93E-28	Neo-G	TNFRSF14
CYTL1. 6	6. 73E-32	-0. 54872	0. 013	0. 122	1. 01E-27	Neo-G	CYTL1
MED21. 3	7. 28E-32	0. 275756	0. 321	0. 197	1. 09E-27	Neo-G	MED21
GBE1. 4	7. 40E-32	-0. 40941	0. 063	0. 2	1. 11E-27	Neo-G	GBE1
CNIH1. 3	7. 41E-32	-0. 43841	0. 214	0. 392	1. 11E-27	Neo-G	CNIH1
CSRP1. 4	7. 47E-32	-0. 48302	0. 104	0. 254	1. 12E-27	Neo-G	CSRP1



POLR2K. 3	7. 69E-32	0. 153327	0. 619	0. 473	1. 15E-27	Neo-G	POLR2K
IL10. 7	7. 74E-32	-0. 55735	0. 011	0. 118	1. 16E-27	Neo-G	IL10
STK25. 6	7. 89E-32	0. 318738	0. 409	0. 289	1. 18E-27	Neo-G	STK25
PSMD14. 4	8. 03E-32	0. 145793	0. 588	0. 452	1. 20E-27	Neo-G	PSMD14
GLUD1. 4	8. 10E-32	-0. 41202	0. 115	0. 264	1. 21E-27	Neo-G	GLUD1
AHNAK. 3	8. 23E-32	-0. 34894	0. 017	0. 13	1. 23E-27	Neo-G	AHNAK
PIGP. 1	8. 29E-32	-0. 4104	0. 095	0. 246	1. 24E-27	Neo-G	PIGP
ZYX. 7	8. 51E-32	-0. 37795	0. 248	0. 42	1. 27E-27	Neo-G	ZYX
LRRC25. 7	9. 06E-32	-0. 42766	0. 002	0. 103	1. 35E-27	Neo-G	LRRC25
CHP1. 5	9. 12E-32	-0. 37204	0. 1	0. 251	1. 36E-27	Neo-G	CHP1
SLC50A1. 6	9. 56E-32	-0. 41544	0. 05	0. 182	1. 43E-27	Neo-G	SLC50A1
PRDM1. 7	1. 02E-31	-0. 42977	0. 007	0. 111	1. 52E-27	Neo-G	PRDM1
ZCCHC24. 5	1. 07E-31	-0. 30818	0. 006	0. 111	1. 61E-27	Neo-G	ZCCHC24
ORMDL2. 5	1. 09E-31	-0. 47211	0. 132	0. 289	1. 63E-27	Neo-G	ORMDL2
KLHDC3. 5	1. 20E-31	0. 232514	0. 473	0. 349	1. 80E-27	Neo-G	KLHDC3
SPAST. 5	1. 39E-31	0. 347967	0. 2	0. 101	2. 08E-27	Neo-G	SPAST
ARHGAP30. 1	1. 42E-31	-0. 41591	0. 004	0. 105	2. 12E-27	Neo-G	ARHGAP30
RANBP6. 3	1. 65E-31	0. 247135	0. 144	0. 059	2. 47E-27	Neo-G	RANBP6
CCT3. 4	1. 92E-31	0. 118806	0. 708	0. 562	2. 87E-27	Neo-G	CCT3
GPR162. 5	2. 04E-31	0. 328724	0. 187	0. 092	3. 05E-27	Neo-G	GPR162
RBAK-RBAK	2. 20E-31	0. 286816	0. 189	0. 09	3. 28E-27	Neo-G	RBAK-RBAKDN
GPX3. 6	2. 35E-31	-0. 48067	0. 042	0. 166	3. 51E-27	Neo-G	GPX3
HADHB. 3	2. 37E-31	-0. 42009	0. 304	0. 48	3. 54E-27	Neo-G	HADHB
PLEKH02. 7	2. 57E-31	-0. 3579	0. 009	0. 113	3. 84E-27	Neo-G	PLEKH02
FKBP7. 3	2. 60E-31	0. 284949	0. 176	0. 081	3. 89E-27	Neo-G	FKBP7
HINT3. 4	2. 79E-31	0. 297	0. 305	0. 186	4. 17E-27	Neo-G	HINT3
GALK1. 5	2. 91E-31	-0. 34467	0. 076	0. 22	4. 35E-27	Neo-G	GALK1
PRKRIP1. 5	2. 93E-31	0. 309565	0. 346	0. 228	4. 38E-27	Neo-G	PRKRIP1
WDR86. 2	2. 97E-31	0. 295098	0. 104	0. 036	4. 44E-27	Neo-G	WDR86
GNAI3. 4	3. 12E-31	0. 22342	0. 511	0. 379	4. 67E-27	Neo-G	GNAI3
ELMO1. 5	3. 14E-31	0. 153144	0. 321	0. 174	4. 70E-27	Neo-G	ELMO1
TBC1D14. 4	3. 16E-31	0. 270551	0. 278	0. 158	4. 72E-27	Neo-G	TBC1D14
CCDC12. 3	3. 34E-31	0. 192699	0. 549	0. 416	5. 00E-27	Neo-G	CCDC12
LAMB2. 3	3. 47E-31	-0. 25245	0. 005	0. 106	5. 19E-27	Neo-G	LAMB2
ECHDC2. 3	3. 50E-31	-0. 35062	0. 065	0. 203	5. 23E-27	Neo-G	ECHDC2
GUK1. 4	3. 56E-31	0. 145873	0. 848	0. 686	5. 31E-27	Neo-G	GUK1
ETS2. 7	3. 59E-31	-0. 48913	0. 086	0. 222	5. 36E-27	Neo-G	ETS2
DACT3. 5	4. 31E-31	0. 243781	0. 156	0. 067	6. 45E-27	Neo-G	DACT3
N4BP2. 3	4. 51E-31	0. 317853	0. 207	0. 106	6. 74E-27	Neo-G	N4BP2
SCAND1. 4	5. 00E-31	0. 208147	0. 723	0. 552	7. 48E-27	Neo-G	SCAND1
ORAI1. 3	5. 13E-31	-0. 23576	0. 022	0. 137	7. 67E-27	Neo-G	ORAI1
PCDHB16. 5	5. 15E-31	0. 337357	0. 234	0. 128	7. 70E-27	Neo-G	PCDHB16
XRN2. 3	5. 19E-31	0. 202506	0. 58	0. 443	7. 76E-27	Neo-G	XRN2
DHRS4L2. 2	5. 29E-31	-0. 37483	0. 119	0. 279	7. 90E-27	Neo-G	DHRS4L2
ICA1. 3	5. 42E-31	0. 222986	0. 207	0. 102	8. 09E-27	Neo-G	ICA1
NOC2L. 5	5. 61E-31	0. 269139	0. 424	0. 299	8. 39E-27	Neo-G	NOC2L
HLA-DOA. 5	5. 63E-31	-0. 43964	0. 005	0. 105	8. 42E-27	Neo-G	HLA-DOA
MCF2L. 5	5. 79E-31	0. 268292	0. 183	0. 085	8. 65E-27	Neo-G	MCF2L
FBXW7. 4	5. 86E-31	0. 354029	0. 218	0. 116	8. 76E-27	Neo-G	FBXW7
SLC2A6. 3	6. 11E-31	0. 269938	0. 145	0. 062	9. 13E-27	Neo-G	SLC2A6
STX1B	6. 17E-31	0. 164308	0. 065	0. 016	9. 22E-27	Neo-G	STX1B

ZFP28	6. 33E-31	0. 215364	0. 099	0. 033	9. 45E-27	Neo-G	ZFP28
IK	6. 47E-31	0. 234916	0. 499	0. 375	9. 67E-27	Neo-G	IK
CX3CR1. 6	6. 93E-31	-0. 50205	0. 009	0. 112	1. 04E-26	Neo-G	CX3CR1
TSPYL1. 4	6. 98E-31	0. 292966	0. 347	0. 224	1. 04E-26	Neo-G	TSPYL1
CHST2. 4	7. 77E-31	-0. 24593	0. 03	0. 149	1. 16E-26	Neo-G	CHST2
PDE7A. 3	8. 77E-31	0. 285426	0. 163	0. 073	1. 31E-26	Neo-G	PDE7A
FAM131B. 5	8. 93E-31	0. 288919	0. 152	0. 067	1. 33E-26	Neo-G	FAM131B
PSPC1. 5	8. 94E-31	0. 318532	0. 316	0. 198	1. 34E-26	Neo-G	PSPC1
CHPT1. 5	9. 06E-31	-0. 37792	0. 163	0. 32	1. 35E-26	Neo-G	CHPT1
ZSCAN21. 5	9. 23E-31	0. 296726	0. 187	0. 092	1. 38E-26	Neo-G	ZSCAN21
ANKRD36. 4	1. 01E-30	0. 300013	0. 291	0. 172	1. 51E-26	Neo-G	ANKRD36
PDIK1L. 2	1. 02E-30	0. 224606	0. 127	0. 05	1. 52E-26	Neo-G	PDIK1L
ICAM3. 5	1. 11E-30	-0. 29192	0. 009	0. 112	1. 66E-26	Neo-G	ICAM3
MAPK1. 3	1. 13E-30	-0. 29592	0. 104	0. 259	1. 69E-26	Neo-G	MAPK1
MORC2-AS1	1. 14E-30	0. 254158	0. 117	0. 044	1. 70E-26	Neo-G	MORC2-AS1
FHOD3. 1	1. 14E-30	0. 223787	0. 091	0. 029	1. 70E-26	Neo-G	FHOD3
MITF. 6	1. 21E-30	-0. 35316	0. 005	0. 105	1. 82E-26	Neo-G	MITF
GKAP1. 6	1. 29E-30	0. 281688	0. 171	0. 08	1. 93E-26	Neo-G	GKAP1
RAB30. 5	1. 31E-30	0. 303999	0. 151	0. 066	1. 96E-26	Neo-G	RAB30
TNFAIP8L2	1. 32E-30	-0. 42266	0. 005	0. 105	1. 98E-26	Neo-G	TNFAIP8L2
TM2D3. 3	1. 35E-30	0. 19631	0. 452	0. 316	2. 02E-26	Neo-G	TM2D3
CCL4L2. 5	1. 36E-30	-0. 68681	0. 001	0. 097	2. 04E-26	Neo-G	CCL4L2
TOMM7. 3	1. 45E-30	-0. 34462	0. 82	0. 856	2. 16E-26	Neo-G	TOMM7
DKK3. 5	1. 51E-30	0. 348273	0. 3	0. 187	2. 25E-26	Neo-G	DKK3
HDX. 1	1. 69E-30	0. 207171	0. 096	0. 032	2. 53E-26	Neo-G	HDX
CBX8. 4	1. 70E-30	0. 301204	0. 145	0. 063	2. 54E-26	Neo-G	CBX8
KCNMA1. 5	1. 70E-30	-0. 39294	0. 036	0. 156	2. 54E-26	Neo-G	KCNMA1
EPB41L3. 7	1. 78E-30	-0. 44006	0. 013	0. 116	2. 65E-26	Neo-G	EPB41L3
FBXO16. 2	1. 82E-30	0. 224431	0. 098	0. 033	2. 72E-26	Neo-G	FBXO16
SIX6	1. 83E-30	0. 138056	0. 052	0. 011	2. 73E-26	Neo-G	SIX6
SS18L2. 2	1. 98E-30	0. 261201	0. 419	0. 297	2. 95E-26	Neo-G	SS18L2
TMEM163. 3	1. 99E-30	0. 188187	0. 135	0. 053	2. 98E-26	Neo-G	TMEM163
BAG3. 4	2. 10E-30	-0. 32518	0. 013	0. 119	3. 13E-26	Neo-G	BAG3
DTNA. 6	2. 19E-30	-0. 51879	0. 12	0. 269	3. 28E-26	Neo-G	DTNA
RP11-563K	2. 50E-30	0. 287301	0. 135	0. 056	3. 73E-26	Neo-G	RP11-563K23. 1
TMED9. 3	2. 59E-30	-0. 38571	0. 623	0. 697	3. 86E-26	Neo-G	TMED9
SLU7. 1	3. 09E-30	0. 248869	0. 43	0. 299	4. 62E-26	Neo-G	SLU7
RALGPS1. 4	3. 16E-30	0. 230709	0. 12	0. 046	4. 73E-26	Neo-G	RALGPS1
ADA. 4	3. 23E-30	-0. 23039	0. 005	0. 103	4. 83E-26	Neo-G	ADA
HOOK2. 5	3. 29E-30	0. 30632	0. 339	0. 222	4. 92E-26	Neo-G	HOOK2
ACBD6. 3	3. 47E-30	0. 274201	0. 383	0. 264	5. 18E-26	Neo-G	ACBD6
ACTN4. 4	3. 76E-30	-0. 36728	0. 183	0. 351	5. 62E-26	Neo-G	ACTN4
ATP9A. 6	3. 79E-30	0. 305266	0. 199	0. 102	5. 66E-26	Neo-G	ATP9A
AMOTL2. 4	3. 83E-30	0. 244374	0. 162	0. 071	5. 73E-26	Neo-G	AMOTL2
NBPF10. 3	4. 05E-30	-0. 25536	0. 037	0. 158	6. 05E-26	Neo-G	NBPF10
DDX56. 4	4. 10E-30	0. 270316	0. 365	0. 244	6. 12E-26	Neo-G	DDX56
NOS1AP. 6	4. 14E-30	0. 291154	0. 155	0. 07	6. 19E-26	Neo-G	NOS1AP
UBTD1. 3	4. 16E-30	-0. 23087	0. 016	0. 124	6. 22E-26	Neo-G	UBTD1
FNDC4. 5	4. 54E-30	0. 373148	0. 295	0. 186	6. 78E-26	Neo-G	FNDC4
NUDT22. 5	4. 78E-30	-0. 41388	0. 131	0. 286	7. 14E-26	Neo-G	NUDT22
APOBEC3G. 4	4. 83E-30	-0. 39663	0. 02	0. 13	7. 22E-26	Neo-G	APOBEC3G

LINC00969	5.16E-30	0.253484	0.354	0.23	7.71E-26	Neo-G	LINC00969	
CREG1	7.5.65E-30	-0.43067	0.165	0.313	8.44E-26	Neo-G	CREG1	
DSCAML1	5.70E-30	0.176686	0.077	0.022	8.52E-26	Neo-G	DSCAML1	
BRSK1	1.5.6.55E-30	0.277988	0.162	0.074	9.78E-26	Neo-G	BRSK1	
ZNF493	1.5.6.58E-30	0.315297	0.255	0.146	9.83E-26	Neo-G	ZNF493	
PER1	1.6.6.61E-30	-0.46813	0.07	0.198	9.87E-26	Neo-G	PER1	
RGS6	1.5.6.75E-30	-0.23804	0.004	0.101	1.01E-25	Neo-G	RGS6	
ARHGAP4	1.7.7.08E-30	-0.43911	0.02	0.127	1.06E-25	Neo-G	ARHGAP4	
CYTIP	1.7.7.09E-30	-0.50744	0.013	0.115	1.06E-25	Neo-G	CYTIP	
SEC14L1	1.4.7.48E-30	-0.41876	0.152	0.309	1.12E-25	Neo-G	SEC14L1	
	5-Sep	7.93E-30	0.221861	0.083	0.026	1.19E-25	Neo-G	5-Sep
URGCP	1.4.8.49E-30	0.290561	0.204	0.105	1.27E-25	Neo-G	URGCP	
PPP2R2A	1.3.8.70E-30	0.253239	0.41	0.286	1.30E-25	Neo-G	PPP2R2A	
RP11-536C	1.8.8.89E-30	0.137897	0.042	0.007	1.33E-25	Neo-G	RP11-536018.1	
DNAJB2	1.6.9.80E-30	0.266004	0.425	0.301	1.46E-25	Neo-G	DNAJB2	
CXCL14	1.4.9.82E-30	-0.55947	0.038	0.154	1.47E-25	Neo-G	CXCL14	
ITM2A	1.6.9.94E-30	0.22584	0.124	0.047	1.49E-25	Neo-G	ITM2A	
PRRC2B	1.6.1.03E-29	0.320484	0.338	0.224	1.54E-25	Neo-G	PRRC2B	
CNIH3	1.4.1.06E-29	-0.31299	0.055	0.182	1.58E-25	Neo-G	CNIH3	
LMO1	1.6.1.10E-29	0.359647	0.15	0.065	1.65E-25	Neo-G	LMO1	
ZNF682	1.4.1.13E-29	0.269174	0.152	0.067	1.68E-25	Neo-G	ZNF682	
GNA13	1.7.1.25E-29	-0.37494	0.064	0.194	1.87E-25	Neo-G	GNA13	
CENPJ	1.3.1.25E-29	0.263737	0.137	0.057	1.87E-25	Neo-G	CENPJ	
ENDOV	1.4.1.25E-29	0.329366	0.319	0.208	1.87E-25	Neo-G	ENDOV	
LPCAT1	1.2.1.31E-29	0.293328	0.285	0.169	1.96E-25	Neo-G	LPCAT1	
PYCR2	1.2.1.35E-29	-0.34034	0.107	0.258	2.02E-25	Neo-G	PYCR2	
ICOSLG	1.7.1.42E-29	-0.35246	0.005	0.101	2.12E-25	Neo-G	ICOSLG	
TMEM189	1.3.1.50E-29	-0.26856	0.066	0.202	2.24E-25	Neo-G	TMEM189	
FBXL16	1.3.1.53E-29	0.234311	0.103	0.037	2.28E-25	Neo-G	FBXL16	
SRRT	1.4.1.67E-29	0.295652	0.322	0.204	2.50E-25	Neo-G	SRRT	
TRAM1	1.6.1.67E-29	-0.39058	0.277	0.452	2.50E-25	Neo-G	TRAM1	
ITGB8	1.5.1.72E-29	-0.30139	0.106	0.256	2.58E-25	Neo-G	ITGB8	
PSAT1	1.6.1.79E-29	-0.39279	0.082	0.218	2.68E-25	Neo-G	PSAT1	
NUSAP1	1.6.1.86E-29	-0.43016	0.013	0.116	2.77E-25	Neo-G	NUSAP1	
TMX4	1.4.1.91E-29	0.321493	0.345	0.234	2.85E-25	Neo-G	TMX4	
TSTD1	1.4.1.94E-29	-0.394	0.075	0.212	2.90E-25	Neo-G	TSTD1	
TLE2	1.6.2.01E-29	0.328836	0.17	0.081	3.00E-25	Neo-G	TLE2	
MTHFS	1.5.2.19E-29	-0.35209	0.07	0.203	3.28E-25	Neo-G	MTHFS	
GATAD2B	1.5.2.23E-29	0.311178	0.257	0.149	3.33E-25	Neo-G	GATAD2B	
SDC2	1.5.2.26E-29	-0.37951	0.072	0.207	3.38E-25	Neo-G	SDC2	
FJX1	1.6.2.38E-29	0.315101	0.31	0.188	3.55E-25	Neo-G	FJX1	
HDAC1	1.3.2.65E-29	-0.3271	0.095	0.242	3.96E-25	Neo-G	HDAC1	
PSENN	1.4.2.65E-29	-0.49373	0.345	0.51	3.96E-25	Neo-G	PSENN	
CSRNP1	1.7.2.95E-29	-0.43922	0.076	0.205	4.40E-25	Neo-G	CSRNP1	
SSBP3	1.5.3.00E-29	0.307011	0.218	0.117	4.49E-25	Neo-G	SSBP3	
METRN	1.7.3.01E-29	-0.38004	0.161	0.31	4.50E-25	Neo-G	METRN	
EXO5	1.3.0.9E-29	0.119926	0.061	0.015	4.61E-25	Neo-G	EXO5	
DNAJC12	1.1.3.17E-29	0.25706	0.159	0.072	4.74E-25	Neo-G	DNAJC12	
PAFAH1B1	1.3.3.24E-29	0.252642	0.471	0.355	4.84E-25	Neo-G	PAFAH1B1	
TSPAN4	1.3.3.45E-29	-0.3451	0.064	0.195	5.15E-25	Neo-G	TSPAN4	
CORO1B	1.6.3.58E-29	-0.40351	0.218	0.379	5.36E-25	Neo-G	CORO1B	

WFDC2.3	3.59E-29	0.174486	0.081	0.024	5.37E-25	Neo-G	WFDC2
UBE2J2.5	3.63E-29	0.286822	0.434	0.322	5.42E-25	Neo-G	UBE2J2
IGSF8.5	3.66E-29	0.28724	0.317	0.2	5.47E-25	Neo-G	IGSF8
BCAP31.3	3.80E-29	-0.42276	0.51	0.632	5.68E-25	Neo-G	BCAP31
CDKAL1.2	4.02E-29	0.302687	0.174	0.083	6.01E-25	Neo-G	CDKAL1
RNF144B.6	4.21E-29	-0.45868	0.01	0.109	6.29E-25	Neo-G	RNF144B
SH3BP1.7	4.30E-29	-0.32145	0.018	0.123	6.43E-25	Neo-G	SH3BP1
PALD1.6	4.34E-29	-0.4206	0.013	0.113	6.49E-25	Neo-G	PALD1
RHOQ.5	4.47E-29	-0.2698	0.049	0.175	6.67E-25	Neo-G	RHOQ
SPOCK2.5	4.63E-29	-0.34135	0.036	0.152	6.92E-25	Neo-G	SPOCK2
SALL1.6	4.74E-29	-0.23773	0.033	0.15	7.09E-25	Neo-G	SALL1
TAF1A.2	5.02E-29	0.204783	0.123	0.048	7.50E-25	Neo-G	TAF1A
ZNF140.3	5.20E-29	0.304441	0.192	0.097	7.77E-25	Neo-G	ZNF140
MAN1C1.1	5.48E-29	-0.22679	0.002	0.094	8.18E-25	Neo-G	MAN1C1
DNAJC15.5	5.61E-29	-0.47181	0.243	0.408	8.38E-25	Neo-G	DNAJC15
SIGLEC9.7	6.04E-29	-0.41538	0.007	0.103	9.03E-25	Neo-G	SIGLEC9
WSCD1.6	6.21E-29	-0.2577	0.03	0.143	9.28E-25	Neo-G	WSCD1
LPXN.7	6.29E-29	-0.4274	0.018	0.121	9.41E-25	Neo-G	LPXN
RAF1.6	6.45E-29	0.29574	0.379	0.264	9.63E-25	Neo-G	RAF1
APOE.5	6.46E-29	-0.36183	0.724	0.681	9.66E-25	Neo-G	APOE
ME3	6.48E-29	0.245887	0.101	0.036	9.68E-25	Neo-G	ME3
GBP3.1	6.56E-29	-0.34753	0.002	0.093	9.80E-25	Neo-G	GBP3
FAM131A.3	6.61E-29	0.3055	0.214	0.116	9.87E-25	Neo-G	FAM131A
SPATA13.4	6.81E-29	-0.33309	0.053	0.178	1.02E-24	Neo-G	SPATA13
NINJ2.6	7.27E-29	-0.45001	0.004	0.097	1.09E-24	Neo-G	NINJ2
NOTCH4.2	7.41E-29	0.262516	0.13	0.054	1.11E-24	Neo-G	NOTCH4
CEBPA.6	7.52E-29	-0.39341	0.014	0.115	1.12E-24	Neo-G	CEBPA
SUN1.6	7.52E-29	0.277449	0.311	0.195	1.12E-24	Neo-G	SUN1
NCF2.7	7.81E-29	-0.41568	0.013	0.112	1.17E-24	Neo-G	NCF2
APOL6.1	8.49E-29	-0.26091	0.007	0.104	1.27E-24	Neo-G	APOL6
LTF.4	8.62E-29	-1.17336	0.051	0.163	1.29E-24	Neo-G	LTF
SLC25A18.8	8.86E-29	-0.29649	0.004	0.097	1.32E-24	Neo-G	SLC25A18
CCDC115	9.03E-29	0.209536	0.45	0.317	1.35E-24	Neo-G	CCDC115
DCUN1D5.2	9.19E-29	0.260973	0.389	0.275	1.37E-24	Neo-G	DCUN1D5
C1orf52.7	9.24E-29	0.213736	0.416	0.293	1.38E-24	Neo-G	C1orf52
FAM221A.7	9.34E-29	0.199678	0.284	0.165	1.40E-24	Neo-G	FAM221A
RNF216.2	1.00E-28	0.244742	0.338	0.217	1.50E-24	Neo-G	RNF216
APOD.6	1.03E-28	-0.8036	0.056	0.173	1.55E-24	Neo-G	APOD
AHCY.3	1.13E-28	-0.34569	0.152	0.312	1.68E-24	Neo-G	AHCY
NDUFAF4.4	1.15E-28	0.254088	0.324	0.209	1.71E-24	Neo-G	NDUFAF4
SOX21.4	1.18E-28	-0.1893	0.007	0.103	1.76E-24	Neo-G	SOX21
ISCA1.3	1.20E-28	0.247554	0.4	0.284	1.79E-24	Neo-G	ISCA1
CCDC93.3	1.28E-28	0.297614	0.217	0.116	1.91E-24	Neo-G	CCDC93
GPI.4	1.29E-28	-0.39912	0.209	0.374	1.93E-24	Neo-G	GPI
MXRA7.5	1.33E-28	-0.2685	0.054	0.181	1.99E-24	Neo-G	MXRA7
CPXM1.6	1.34E-28	0.317272	0.211	0.113	2.00E-24	Neo-G	CPXM1
POMZP3.5	1.36E-28	0.286029	0.163	0.077	2.03E-24	Neo-G	POMZP3
TLCD1.5	1.42E-28	-0.17582	0.001	0.091	2.13E-24	Neo-G	TLCD1
JAG1.6	1.44E-28	-0.25326	0.049	0.172	2.15E-24	Neo-G	JAG1
VIM-AS1.2	1.44E-28	-0.31315	0.019	0.123	2.15E-24	Neo-G	VIM-AS1
PDE4D.4	1.47E-28	0.272169	0.179	0.088	2.20E-24	Neo-G	PDE4D

ERF. 5	1. 51E-28	-0. 25714	0. 06	0. 191	2. 26E-24 Neo-G	ERF
PLOD2. 5	1. 52E-28	-0. 30009	0. 052	0. 175	2. 27E-24 Neo-G	PLOD2
ATXN80S. 5	1. 52E-28	-0. 75785	0	0. 089	2. 27E-24 Neo-G	ATXN80S
ZNF566. 5	1. 52E-28	0. 250696	0. 203	0. 104	2. 27E-24 Neo-G	ZNF566
LINC00998	1. 65E-28	-0. 36855	0. 223	0. 39	2. 47E-24 Neo-G	LINC00998
MINOS1. 5	1. 68E-28	-0. 39689	0. 56	0. 649	2. 51E-24 Neo-G	MINOS1
TMED2. 3	1. 72E-28	0. 118723	0. 746	0. 595	2. 56E-24 Neo-G	TMED2
ZCCHC11. 3	1. 76E-28	0. 307144	0. 338	0. 227	2. 63E-24 Neo-G	ZCCHC11
C1orf35. 6	1. 83E-28	0. 2972	0. 367	0. 251	2. 73E-24 Neo-G	C1orf35
C10orf11. 1	1. 86E-28	-0. 3622	0. 013	0. 112	2. 78E-24 Neo-G	C10orf11
EIF4E. 4	1. 89E-28	0. 135594	0. 599	0. 475	2. 82E-24 Neo-G	EIF4E
KTI12. 4	1. 94E-28	0. 286463	0. 188	0. 095	2. 91E-24 Neo-G	KTI12
RAB11FIP4	2. 01E-28	0. 183557	0. 098	0. 034	3. 00E-24 Neo-G	RAB11FIP4
MAD2L2. 5	2. 05E-28	0. 254696	0. 502	0. 379	3. 06E-24 Neo-G	MAD2L2
PLXND1. 6	2. 09E-28	-0. 3444	0. 011	0. 109	3. 13E-24 Neo-G	PLXND1
HRH1. 6	2. 16E-28	-0. 26816	0. 009	0. 107	3. 23E-24 Neo-G	HRH1
KLF10. 4	2. 17E-28	0. 25294	0. 35	0. 219	3. 24E-24 Neo-G	KLF10
YRDC. 3	2. 41E-28	0. 34985	0. 252	0. 15	3. 60E-24 Neo-G	YRDC
CHMP4B. 4	2. 41E-28	-0. 34047	0. 318	0. 471	3. 61E-24 Neo-G	CHMP4B
MYCBP. 4	2. 44E-28	-0. 29401	0. 008	0. 103	3. 65E-24 Neo-G	MYCBP
LSM1. 2	2. 46E-28	0. 159212	0. 57	0. 442	3. 68E-24 Neo-G	LSM1
TRIM9. 6	2. 52E-28	-0. 32745	0. 104	0. 248	3. 77E-24 Neo-G	TRIM9
CANX. 2	2. 56E-28	-0. 36706	0. 456	0. 588	3. 83E-24 Neo-G	CANX
KCNH8	2. 57E-28	0. 123551	0. 044	0. 008	3. 84E-24 Neo-G	KCNH8
TTYH2. 6	2. 58E-28	-0. 30979	0. 021	0. 127	3. 86E-24 Neo-G	TTYH2
IKBIP. 6	2. 63E-28	-0. 39427	0. 101	0. 242	3. 93E-24 Neo-G	IKBIP
PIGX. 5	2. 70E-28	0. 321436	0. 35	0. 241	4. 03E-24 Neo-G	PIGX
ANO6. 1	2. 80E-28	-0. 23623	0. 013	0. 114	4. 19E-24 Neo-G	ANO6
MSH2. 4	2. 82E-28	0. 278824	0. 202	0. 105	4. 22E-24 Neo-G	MSH2
TMEM51. 6	2. 84E-28	-0. 29893	0. 024	0. 13	4. 25E-24 Neo-G	TMEM51
EFHD2. 7	2. 85E-28	-0. 36481	0. 09	0. 225	4. 26E-24 Neo-G	EFHD2
ACBD5. 3	2. 87E-28	-0. 25222	0. 055	0. 181	4. 28E-24 Neo-G	ACBD5
UBN2. 4	2. 87E-28	0. 255718	0. 194	0. 099	4. 29E-24 Neo-G	UBN2
TM7SF2. 6	2. 93E-28	0. 313201	0. 334	0. 218	4. 38E-24 Neo-G	TM7SF2
ZNF789. 2	2. 97E-28	0. 238912	0. 155	0. 07	4. 44E-24 Neo-G	ZNF789
KLF9. 2	3. 12E-28	-0. 29631	0. 031	0. 143	4. 67E-24 Neo-G	KLF9
DHCR24. 4	3. 20E-28	-0. 2359	0. 009	0. 106	4. 78E-24 Neo-G	DHCR24
CBFA2T2. 6	3. 26E-28	0. 328946	0. 215	0. 118	4. 87E-24 Neo-G	CBFA2T2
CARD8. 6	3. 26E-28	-0. 3734	0. 044	0. 161	4. 88E-24 Neo-G	CARD8
ZNF184. 1	3. 29E-28	0. 212969	0. 112	0. 042	4. 92E-24 Neo-G	ZNF184
GLDN. 6	3. 39E-28	-0. 41242	0. 011	0. 107	5. 06E-24 Neo-G	GLDN
RP11-83A2	3. 42E-28	0. 242601	0. 229	0. 124	5. 12E-24 Neo-G	RP11-83A24. 2
VWA1. 7	3. 50E-28	-0. 2483	0. 039	0. 157	5. 23E-24 Neo-G	VWA1
TMEM243. 4	3. 58E-28	-0. 43624	0. 086	0. 216	5. 34E-24 Neo-G	TMEM243
HPGDS. 6	3. 58E-28	-0. 45658	0. 006	0. 099	5. 35E-24 Neo-G	HPGDS
MZF1. 2	3. 63E-28	0. 268635	0. 17	0. 082	5. 43E-24 Neo-G	MZF1
KCNMB1. 6	3. 79E-28	-0. 47925	0. 015	0. 113	5. 67E-24 Neo-G	KCNMB1
ELK3. 4	3. 93E-28	-0. 25789	0. 005	0. 098	5. 88E-24 Neo-G	ELK3
CSNK1G3. 5	4. 09E-28	0. 335924	0. 241	0. 142	6. 11E-24 Neo-G	CSNK1G3
NFU1	4. 14E-28	0. 22987	0. 411	0. 287	6. 18E-24 Neo-G	NFU1
ITGA7. 5	4. 19E-28	-0. 21871	0. 035	0. 149	6. 26E-24 Neo-G	ITGA7

BMP2K. 5	4. 21E-28	-0. 35305	0. 024	0. 128	6. 29E-24	Neo-G	BMP2K
CEP57. 4	4. 21E-28	0. 276722	0. 332	0. 218	6. 29E-24	Neo-G	CEP57
SPAG16. 7	4. 23E-28	0. 234141	0. 403	0. 283	6. 32E-24	Neo-G	SPAG16
MFSD12. 6	4. 28E-28	-0. 30209	0. 074	0. 206	6. 39E-24	Neo-G	MFSD12
WTAP. 3	4. 74E-28	0. 198178	0. 537	0. 407	7. 08E-24	Neo-G	WTAP
PCM1. 5	4. 82E-28	0. 264543	0. 427	0. 311	7. 21E-24	Neo-G	PCM1
IVD. 2	4. 94E-28	-0. 30609	0. 079	0. 214	7. 38E-24	Neo-G	IVD
ABHD12. 4	5. 01E-28	-0. 33126	0. 235	0. 399	7. 48E-24	Neo-G	ABHD12
TYMS. 6	5. 17E-28	-0. 32704	0. 053	0. 174	7. 73E-24	Neo-G	TYMS
PLEKHA3. 5	5. 28E-28	0. 33085	0. 328	0. 22	7. 90E-24	Neo-G	PLEKHA3
MAB21L1	5. 29E-28	0. 166332	0. 059	0. 014	7. 90E-24	Neo-G	MAB21L1
LGR4. 7	5. 42E-28	-0. 17429	0. 013	0. 113	8. 10E-24	Neo-G	LGR4
CDC25B. 5	5. 66E-28	-0. 30365	0. 076	0. 208	8. 45E-24	Neo-G	CDC25B
ZNF354A. 4	5. 72E-28	0. 281661	0. 207	0. 11	8. 55E-24	Neo-G	ZNF354A
PPA1. 5	5. 96E-28	0. 110384	0. 663	0. 512	8. 90E-24	Neo-G	PPA1
QKI. 5	6. 01E-28	-0. 36088	0. 334	0. 488	8. 99E-24	Neo-G	QKI
SEPT11. 6	6. 19E-28	0. 278504	0. 403	0. 291	9. 25E-24	Neo-G	11-Sep
FLAD1. 3	6. 19E-28	0. 260527	0. 334	0. 22	9. 25E-24	Neo-G	FLAD1
DOCK10. 6	6. 56E-28	-0. 32452	0. 029	0. 138	9. 80E-24	Neo-G	DOCK10
EAF2. 7	6. 68E-28	-0. 39713	0. 009	0. 103	9. 98E-24	Neo-G	EAF2
P2RY13. 5	6. 79E-28	-0. 47783	0. 004	0. 094	1. 01E-23	Neo-G	P2RY13
HEXIM1. 2	6. 89E-28	-0. 34724	0. 095	0. 233	1. 03E-23	Neo-G	HEXIM1
RAB8B. 6	7. 12E-28	-0. 29247	0. 048	0. 168	1. 06E-23	Neo-G	RAB8B
CASP7. 1	7. 12E-28	-0. 23775	0. 005	0. 096	1. 06E-23	Neo-G	CASP7
ZNF430. 3	7. 25E-28	0. 258622	0. 291	0. 177	1. 08E-23	Neo-G	ZNF430
WEE1. 4	7. 26E-28	-0. 24149	0. 044	0. 163	1. 08E-23	Neo-G	WEE1
HYDIN	7. 34E-28	0. 110954	0. 047	0. 01	1. 10E-23	Neo-G	HYDIN
ITGAX. 6	7. 53E-28	-0. 42839	0. 008	0. 101	1. 13E-23	Neo-G	ITGAX
GOSR1. 5	7. 57E-28	0. 258546	0. 37	0. 255	1. 13E-23	Neo-G	GOSR1
B4GALNT4. 7	7. 85E-28	0. 237719	0. 103	0. 038	1. 17E-23	Neo-G	B4GALNT4
ZNF608. 5	8. 00E-28	0. 337546	0. 245	0. 146	1. 20E-23	Neo-G	ZNF608
TSHZ3	8. 95E-28	0. 198674	0. 085	0. 027	1. 34E-23	Neo-G	TSHZ3
BACH2	9. 23E-28	0. 184272	0. 079	0. 025	1. 38E-23	Neo-G	BACH2
CASP6. 5	9. 34E-28	0. 327582	0. 254	0. 152	1. 40E-23	Neo-G	CASP6
WSB2. 6	9. 42E-28	0. 323843	0. 318	0. 212	1. 41E-23	Neo-G	WSB2
C11orf63	9. 79E-28	0. 127933	0. 058	0. 014	1. 46E-23	Neo-G	C11orf63
DMTF1. 5	1. 03E-27	0. 284867	0. 24	0. 137	1. 54E-23	Neo-G	DMTF1
PHACTR2. 5	1. 12E-27	-0. 21616	0. 003	0. 092	1. 67E-23	Neo-G	PHACTR2
LILRA2. 7	1. 15E-27	-0. 42444	0. 004	0. 094	1. 71E-23	Neo-G	LILRA2
NPEPPS. 3	1. 22E-27	0. 281123	0. 324	0. 213	1. 82E-23	Neo-G	NPEPPS
RUSC2	1. 23E-27	0. 194805	0. 093	0. 032	1. 84E-23	Neo-G	RUSC2
PRRX1. 7	1. 27E-27	-0. 27117	0. 058	0. 185	1. 89E-23	Neo-G	PRRX1
ADAM10. 4	1. 34E-27	-0. 34686	0. 069	0. 198	2. 00E-23	Neo-G	ADAM10
CYSTM1. 6	1. 42E-27	-0. 46686	0. 194	0. 34	2. 12E-23	Neo-G	CYSTM1
CALCOCO1. 1	1. 47E-27	0. 264258	0. 241	0. 136	2. 20E-23	Neo-G	CALCOCO1
RILP. 7	1. 49E-27	-0. 26687	0. 015	0. 114	2. 22E-23	Neo-G	RILP
APH1B. 4	1. 53E-27	-0. 34349	0. 031	0. 139	2. 29E-23	Neo-G	APH1B
NSD1. 4	1. 59E-27	0. 27425	0. 332	0. 22	2. 38E-23	Neo-G	NSD1
PCYT1B	1. 61E-27	0. 16807	0. 07	0. 02	2. 41E-23	Neo-G	PCYT1B
CCRL2. 7	1. 65E-27	-0. 4164	0. 007	0. 099	2. 47E-23	Neo-G	CCRL2
SERPINE1. 1	1. 66E-27	-0. 51035	0. 014	0. 111	2. 48E-23	Neo-G	SERPINE1

PALM. 5	1. 66E-27	0. 3003	0. 183	0. 094	2. 48E-23 Neo-G	PALM
TRIM44. 6	1. 76E-27	0. 27289	0. 39	0. 274	2. 64E-23 Neo-G	TRIM44
KIAA1522	1. 79E-27	0. 171427	0. 07	0. 02	2. 68E-23 Neo-G	KIAA1522
RAB14. 3	1. 80E-27	0. 196846	0. 521	0. 404	2. 69E-23 Neo-G	RAB14
ZNF274. 3	1. 81E-27	0. 253061	0. 197	0. 101	2. 70E-23 Neo-G	ZNF274
RASGEF1B. 1.	1. 82E-27	-0. 46044	0. 028	0. 132	2. 72E-23 Neo-G	RASGEF1B
DEF6. 7	1. 97E-27	-0. 36572	0. 009	0. 101	2. 95E-23 Neo-G	DEF6
RP11-620J	2. 01E-27	0. 290252	0. 378	0. 256	3. 01E-23 Neo-G	RP11-620J15. 3
VM01. 6	2. 04E-27	-0. 57548	0. 058	0. 172	3. 05E-23 Neo-G	VM01
ARPC5L. 4	2. 18E-27	0. 230754	0. 474	0. 357	3. 25E-23 Neo-G	ARPC5L
VSTM2L	2. 26E-27	0. 102061	0. 043	0. 008	3. 38E-23 Neo-G	VSTM2L
RBM18. 3	2. 35E-27	0. 259445	0. 304	0. 194	3. 51E-23 Neo-G	RBM18
ZNF793. 4	2. 41E-27	0. 251354	0. 193	0. 1	3. 60E-23 Neo-G	ZNF793
ODF3B. 7	2. 48E-27	-0. 33086	0. 01	0. 104	3. 70E-23 Neo-G	ODF3B
ULBP2	2. 51E-27	0. 20172	0. 105	0. 039	3. 74E-23 Neo-G	ULBP2
MR1. 5	2. 95E-27	-0. 32062	0. 007	0. 099	4. 41E-23 Neo-G	MR1
ABI2. 5	3. 09E-27	0. 221088	0. 474	0. 348	4. 62E-23 Neo-G	ABI2
ZNF420. 5	3. 38E-27	0. 256008	0. 19	0. 097	5. 05E-23 Neo-G	ZNF420
KDM2B. 3	3. 38E-27	0. 280944	0. 223	0. 124	5. 05E-23 Neo-G	KDM2B
TPMT. 5	3. 46E-27	-0. 3427	0. 076	0. 206	5. 17E-23 Neo-G	TPMT
SNAP47. 5	3. 63E-27	0. 276547	0. 299	0. 191	5. 43E-23 Neo-G	SNAP47
PDXK. 7	3. 65E-27	-0. 37355	0. 154	0. 301	5. 45E-23 Neo-G	PDXK
EDEM2. 3	3. 67E-27	-0. 34907	0. 112	0. 256	5. 48E-23 Neo-G	EDEM2
ADNP. 6	3. 80E-27	0. 319745	0. 285	0. 182	5. 68E-23 Neo-G	ADNP
HNRNPF. 5	3. 94E-27	-0. 37785	0. 374	0. 525	5. 89E-23 Neo-G	HNRNPF
TIMP4. 5	3. 99E-27	-0. 45156	0. 015	0. 111	5. 96E-23 Neo-G	TIMP4
DENND3. 7	4. 07E-27	-0. 40543	0. 015	0. 111	6. 08E-23 Neo-G	DENND3
PPP2R3A. 3	4. 14E-27	0. 24592	0. 126	0. 053	6. 18E-23 Neo-G	PPP2R3A
NQ01. 4	4. 14E-27	-0. 2638	0. 019	0. 12	6. 18E-23 Neo-G	NQ01
TFAP2B. 3	4. 47E-27	0. 224705	0. 076	0. 023	6. 68E-23 Neo-G	TFAP2B
COA3. 5	4. 56E-27	0. 112796	0. 596	0. 462	6. 81E-23 Neo-G	COA3
BAG6. 2	4. 59E-27	0. 247997	0. 43	0. 319	6. 85E-23 Neo-G	BAG6
CPNE4. 5	4. 69E-27	-0. 18234	0. 009	0. 103	7. 01E-23 Neo-G	CPNE4
AADAT. 4	4. 80E-27	0. 225415	0. 112	0. 044	7. 18E-23 Neo-G	AADAT
UBE2G1. 6	4. 95E-27	0. 313878	0. 354	0. 246	7. 40E-23 Neo-G	UBE2G1
CRYAB. 7	4. 96E-27	-0. 80561	0. 398	0. 512	7. 41E-23 Neo-G	CRYAB
PDZD7	5. 01E-27	0. 116455	0. 047	0. 01	7. 48E-23 Neo-G	PDZD7
TMEM158. 6	5. 01E-27	-0. 25897	0. 039	0. 152	7. 49E-23 Neo-G	TMEM158
EZR. 5	5. 08E-27	0. 231932	0. 452	0. 329	7. 59E-23 Neo-G	EZR
NDE1. 3	5. 32E-27	-0. 25002	0. 017	0. 116	7. 95E-23 Neo-G	NDE1
ANKS3. 5	5. 35E-27	0. 324113	0. 258	0. 157	8. 00E-23 Neo-G	ANKS3
BNIP2. 7	5. 42E-27	-0. 33591	0. 134	0. 28	8. 09E-23 Neo-G	BNIP2
PAICS. 6	5. 64E-27	-0. 3664	0. 17	0. 325	8. 43E-23 Neo-G	PAICS
GNS. 5	5. 70E-27	-0. 32139	0. 082	0. 213	8. 51E-23 Neo-G	GNS
BTBD10. 5	6. 13E-27	0. 262532	0. 276	0. 17	9. 17E-23 Neo-G	BTBD10
ADCY1	6. 23E-27	0. 118568	0. 059	0. 015	9. 30E-23 Neo-G	ADCY1
GAS7. 1	6. 73E-27	-0. 33044	0. 02	0. 121	1. 01E-22 Neo-G	GAS7
HTATIP2. 7	7. 04E-27	-0. 35152	0. 046	0. 159	1. 05E-22 Neo-G	HTATIP2
AKAP8L. 5	7. 19E-27	0. 301997	0. 346	0. 237	1. 08E-22 Neo-G	AKAP8L
DLGAP1-AS	7. 22E-27	-0. 30306	0. 009	0. 101	1. 08E-22 Neo-G	DLGAP1-AS1
ZNF540	7. 57E-27	0. 127424	0. 057	0. 014	1. 13E-22 Neo-G	ZNF540

COQ2. 6	8. 38E-27	-0. 28443	0. 068	0. 193	1. 25E-22	Neo-G	COQ2
INIP. 3	8. 94E-27	0. 255714	0. 295	0. 185	1. 34E-22	Neo-G	INIP
ABHD3. 5	8. 96E-27	-0. 31302	0. 071	0. 196	1. 34E-22	Neo-G	ABHD3
MAST2. 2	9. 74E-27	0. 257384	0. 138	0. 061	1. 46E-22	Neo-G	MAST2
PNMAL1. 6	1. 05E-26	0. 264731	0. 173	0. 087	1. 57E-22	Neo-G	PNMAL1
SMARCAD1. 1	1. 06E-26	0. 278283	0. 186	0. 097	1. 59E-22	Neo-G	SMARCAD1
SRGAP2. 4	1. 07E-26	-0. 40075	0. 112	0. 247	1. 61E-22	Neo-G	SRGAP2
KCNF1. 7	1. 11E-26	-0. 26359	0. 03	0. 135	1. 66E-22	Neo-G	KCNF1
FAM161A. 5	1. 18E-26	0. 283743	0. 189	0. 098	1. 76E-22	Neo-G	FAM161A
CDC37L1. 5	1. 21E-26	0. 245005	0. 229	0. 128	1. 80E-22	Neo-G	CDC37L1
MYO10. 6	1. 27E-26	-0. 32057	0. 079	0. 208	1. 90E-22	Neo-G	MYO10
GIMAP2. 6	1. 30E-26	-0. 36278	0. 002	0. 086	1. 94E-22	Neo-G	GIMAP2
ZNF589	1. 31E-26	0. 172813	0. 09	0. 031	1. 96E-22	Neo-G	ZNF589
AFF4. 5	1. 46E-26	0. 265057	0. 441	0. 328	2. 19E-22	Neo-G	AFF4
FAM69C. 6	1. 49E-26	-0. 17763	0. 002	0. 086	2. 23E-22	Neo-G	FAM69C
RPS6KA1. 7	1. 50E-26	-0. 41359	0. 037	0. 142	2. 24E-22	Neo-G	RPS6KA1
CD48. 7	1. 62E-26	-0. 40097	0. 002	0. 087	2. 42E-22	Neo-G	CD48
TMEM183A. 1	1. 65E-26	0. 289304	0. 382	0. 281	2. 47E-22	Neo-G	TMEM183A
BATF3. 2	1. 73E-26	-0. 23803	0. 01	0. 102	2. 58E-22	Neo-G	BATF3
SARS. 5	1. 74E-26	0. 139729	0. 559	0. 428	2. 61E-22	Neo-G	SARS
HOXB8	1. 77E-26	0. 148205	0. 056	0. 014	2. 64E-22	Neo-G	HOXB8
ITGA5. 4	1. 85E-26	-0. 29199	0. 005	0. 093	2. 76E-22	Neo-G	ITGA5
KMT2C. 5	1. 93E-26	0. 309213	0. 358	0. 25	2. 89E-22	Neo-G	KMT2C
ACTR10. 4	1. 95E-26	0. 180927	0. 466	0. 347	2. 91E-22	Neo-G	ACTR10
PLEC. 5	2. 05E-26	-0. 29311	0. 073	0. 2	3. 06E-22	Neo-G	PLEC
GNAQ. 4	2. 13E-26	0. 261339	0. 388	0. 274	3. 18E-22	Neo-G	GNAQ
NECAP2. 4	2. 15E-26	-0. 34599	0. 154	0. 308	3. 22E-22	Neo-G	NECAP2
ADD3. 3	2. 18E-26	-0. 32354	0. 036	0. 144	3. 25E-22	Neo-G	ADD3
ISOC2. 6	2. 37E-26	-0. 4059	0. 21	0. 366	3. 55E-22	Neo-G	ISOC2
SPATS2L. 4	2. 44E-26	-0. 34214	0. 192	0. 349	3. 65E-22	Neo-G	SPATS2L
HMGCL	2. 55E-26	-0. 32695	0. 096	0. 233	3. 81E-22	Neo-G	HMGCL
SAFB2. 3	2. 59E-26	0. 257661	0. 432	0. 319	3. 88E-22	Neo-G	SAFB2
COL9A3. 7	2. 61E-26	-0. 37083	0. 076	0. 199	3. 90E-22	Neo-G	COL9A3
BTK. 7	2. 61E-26	-0. 36074	0. 007	0. 095	3. 90E-22	Neo-G	BTK
ASPHD1. 5	2. 63E-26	0. 291837	0. 223	0. 127	3. 92E-22	Neo-G	ASPHD1
EFNB2. 6	2. 75E-26	-0. 16733	0. 015	0. 11	4. 11E-22	Neo-G	EFNB2
EML3. 3	2. 77E-26	-0. 21387	0. 024	0. 125	4. 14E-22	Neo-G	EML3
PRPH	2. 86E-26	0. 139343	0. 045	0. 009	4. 27E-22	Neo-G	PRPH
DOK1. 7	2. 94E-26	-0. 31265	0. 051	0. 167	4. 39E-22	Neo-G	DOK1
CLCN3. 5	2. 96E-26	0. 28934	0. 342	0. 237	4. 42E-22	Neo-G	CLCN3
SRSF2. 5	2. 99E-26	0. 163213	0. 745	0. 588	4. 47E-22	Neo-G	SRSF2
OLIG2. 6	3. 28E-26	-0. 39435	0. 071	0. 191	4. 90E-22	Neo-G	OLIG2
ZNF74. 4	3. 34E-26	0. 253792	0. 12	0. 05	4. 99E-22	Neo-G	ZNF74
ABCA8. 5	3. 40E-26	-0. 33135	0. 001	0. 083	5. 08E-22	Neo-G	ABCA8
UPP1. 6	3. 43E-26	-0. 45721	0. 133	0. 269	5. 13E-22	Neo-G	UPP1
PDPK1. 4	3. 57E-26	0. 317476	0. 278	0. 176	5. 33E-22	Neo-G	PDPK1
GNAZ. 5	3. 67E-26	0. 247703	0. 125	0. 053	5. 48E-22	Neo-G	GNAZ
ITGAM. 7	3. 94E-26	-0. 35314	0. 002	0. 085	5. 89E-22	Neo-G	ITGAM
MTCH1. 2	4. 20E-26	0. 17699	0. 651	0. 52	6. 28E-22	Neo-G	MTCH1
PSMC2. 3	4. 21E-26	0. 131959	0. 569	0. 445	6. 29E-22	Neo-G	PSMC2
LDLR. 4	4. 22E-26	-0. 25534	0. 015	0. 109	6. 31E-22	Neo-G	LDLR



TWF2. 7	4. 27E-26	-0. 40165	0. 208	0. 357	6. 38E-22	Neo-G	TWF2
IL17RA. 7	4. 29E-26	-0. 32433	0. 028	0. 13	6. 41E-22	Neo-G	IL17RA
KIFC2. 3	4. 29E-26	0. 271732	0. 134	0. 06	6. 42E-22	Neo-G	KIFC2
PMAIP1. 7	4. 48E-26	-0. 45789	0. 006	0. 093	6. 69E-22	Neo-G	PMAIP1
USF1. 2	4. 48E-26	0. 260621	0. 118	0. 048	6. 70E-22	Neo-G	USF1
ARID1B. 5	4. 48E-26	0. 288015	0. 212	0. 117	6. 70E-22	Neo-G	ARID1B
TMEM192. 1	4. 52E-26	0. 212005	0. 291	0. 177	6. 75E-22	Neo-G	TMEM192
NR1H2. 6	4. 54E-26	-0. 33654	0. 166	0. 32	6. 78E-22	Neo-G	NR1H2
ARHGAP15. 4	4. 63E-26	-0. 42931	0. 015	0. 107	6. 92E-22	Neo-G	ARHGAP15
RP9. 5	4. 71E-26	0. 316277	0. 271	0. 168	7. 04E-22	Neo-G	RP9
INPP5D. 7	4. 81E-26	-0. 39297	0. 007	0. 094	7. 19E-22	Neo-G	INPP5D
AKNAD1	4. 98E-26	0. 155519	0. 068	0. 02	7. 45E-22	Neo-G	AKNAD1
IL17RC. 1	5. 04E-26	-0. 19034	0. 025	0. 128	7. 54E-22	Neo-G	IL17RC
ARRDC2. 5	5. 25E-26	-0. 33925	0. 008	0. 096	7. 85E-22	Neo-G	ARRDC2
LAMC1. 4	5. 26E-26	-0. 16392	0. 016	0. 113	7. 86E-22	Neo-G	LAMC1
SSFA2. 5	5. 34E-26	-0. 26414	0. 073	0. 2	7. 98E-22	Neo-G	SSFA2
KLHL4. 5	5. 37E-26	-0. 24071	0. 032	0. 138	8. 03E-22	Neo-G	KLHL4
TRMT1. 4	5. 38E-26	-0. 40816	0. 133	0. 272	8. 04E-22	Neo-G	TRMT1
EPAS1. 4	5. 48E-26	-0. 30316	0. 019	0. 115	8. 19E-22	Neo-G	EPAS1
ARHGAP9. 7	5. 60E-26	-0. 35023	0. 008	0. 095	8. 38E-22	Neo-G	ARHGAP9
BCL6. 2	5. 75E-26	-0. 30943	0. 034	0. 139	8. 59E-22	Neo-G	BCL6
ADAM22. 6	5. 96E-26	0. 224622	0. 129	0. 055	8. 90E-22	Neo-G	ADAM22
IRF2. 1	6. 32E-26	-0. 31748	0. 082	0. 212	9. 44E-22	Neo-G	IRF2
ZADH2. 2	6. 37E-26	0. 272856	0. 181	0. 094	9. 53E-22	Neo-G	ZADH2
BRD8. 4	6. 56E-26	0. 256222	0. 254	0. 151	9. 80E-22	Neo-G	BRD8
NEDD9. 4	6. 68E-26	-0. 38711	0. 104	0. 235	9. 98E-22	Neo-G	NEDD9
MAPK7. 4	6. 83E-26	0. 282117	0. 207	0. 115	1. 02E-21	Neo-G	MAPK7
AP2B1. 6	6. 88E-26	0. 236911	0. 44	0. 328	1. 03E-21	Neo-G	AP2B1
VIMP. 3	7. 02E-26	-0. 39266	0. 319	0. 473	1. 05E-21	Neo-G	VIMP
UCN	7. 35E-26	0. 172173	0. 09	0. 031	1. 10E-21	Neo-G	UCN
DNAJC1. 4	7. 64E-26	-0. 25081	0. 072	0. 199	1. 14E-21	Neo-G	DNAJC1
STEAP3. 4	7. 73E-26	-0. 36384	0. 058	0. 174	1. 16E-21	Neo-G	STEAP3
CCR1. 6	7. 78E-26	-0. 35735	0. 005	0. 091	1. 16E-21	Neo-G	CCR1
MTHFD2. 6	8. 26E-26	-0. 42631	0. 163	0. 304	1. 23E-21	Neo-G	MTHFD2
DESI1. 3	8. 37E-26	-0. 26712	0. 065	0. 189	1. 25E-21	Neo-G	DESI1
FAM3C. 6	8. 37E-26	0. 178371	0. 556	0. 422	1. 25E-21	Neo-G	FAM3C
RELB. 3	8. 40E-26	-0. 21708	0. 013	0. 106	1. 26E-21	Neo-G	RELB
HS2ST1. 6	8. 72E-26	-0. 27558	0. 065	0. 188	1. 30E-21	Neo-G	HS2ST1
IFITM10. 3	9. 05E-26	0. 270523	0. 215	0. 115	1. 35E-21	Neo-G	IFITM10
DDB1. 1	9. 08E-26	0. 227779	0. 393	0. 277	1. 36E-21	Neo-G	DDB1
DPP4. 4	9. 60E-26	-0. 17192	0. 003	0. 087	1. 43E-21	Neo-G	DPP4
SLC16A1. 6	1. 04E-25	-0. 34274	0. 112	0. 248	1. 55E-21	Neo-G	SLC16A1
ACD. 4	1. 07E-25	0. 267162	0. 258	0. 157	1. 60E-21	Neo-G	ACD
FN1. 5	1. 14E-25	-0. 45609	0. 056	0. 167	1. 70E-21	Neo-G	FN1
PIANP. 5	1. 15E-25	0. 308245	0. 152	0. 073	1. 72E-21	Neo-G	PIANP
RP11-118F	1. 16E-25	0. 171326	0. 044	0. 009	1. 74E-21	Neo-G	RP11-118F19. 1
TNFSF10. 4	1. 17E-25	-0. 39078	0. 002	0. 083	1. 75E-21	Neo-G	TNFSF10
NINL	1. 18E-25	0. 15035	0. 076	0. 024	1. 77E-21	Neo-G	NINL
TRMT61B. 4	1. 20E-25	0. 26989	0. 254	0. 152	1. 80E-21	Neo-G	TRMT61B
ZNF519. 1	1. 33E-25	0. 170292	0. 096	0. 035	1. 99E-21	Neo-G	ZNF519
UBQLN1. 3	1. 33E-25	0. 261634	0. 379	0. 27	1. 99E-21	Neo-G	UBQLN1

A1BG. 2	1. 38E-25	-0. 35085	0. 167	0. 315	2. 06E-21	Neo-G	A1BG
CHCHD6. 5	1. 49E-25	0. 28569	0. 328	0. 224	2. 23E-21	Neo-G	CHCHD6
PRCP. 4	1. 51E-25	-0. 39106	0. 218	0. 372	2. 25E-21	Neo-G	PRCP
ELOVL2. 7	1. 51E-25	-0. 1976	0. 015	0. 108	2. 26E-21	Neo-G	ELOVL2
FAM207A. 3	1. 52E-25	-0. 2337	0. 086	0. 219	2. 27E-21	Neo-G	FAM207A
IRF7. 7	1. 55E-25	-0. 30199	0. 057	0. 173	2. 32E-21	Neo-G	IRF7
LMCD1. 4	1. 57E-25	-0. 20444	0. 008	0. 095	2. 34E-21	Neo-G	LMCD1
DUSP2. 6	1. 59E-25	-0. 47424	0. 025	0. 121	2. 38E-21	Neo-G	DUSP2
KLF12. 5	1. 67E-25	0. 26813	0. 157	0. 076	2. 50E-21	Neo-G	KLF12
PIP5KL1	1. 70E-25	0. 141184	0. 056	0. 014	2. 54E-21	Neo-G	PIP5KL1
IGFBP3. 5	1. 81E-25	-0. 57322	0. 092	0. 207	2. 71E-21	Neo-G	IGFBP3
TMEM132A. 1	1. 84E-25	0. 325459	0. 226	0. 135	2. 74E-21	Neo-G	TMEM132A
IRS2. 3	1. 93E-25	-0. 34032	0. 212	0. 365	2. 88E-21	Neo-G	IRS2
DLG2. 4	1. 96E-25	0. 174563	0. 106	0. 041	2. 93E-21	Neo-G	DLG2
KIAA0101. 2	2. 07E-25	-0. 38351	0. 029	0. 128	3. 09E-21	Neo-G	KIAA0101
ACSBG1. 4	2. 09E-25	-0. 19563	0. 002	0. 083	3. 13E-21	Neo-G	ACSBG1
MGAT5B	2. 14E-25	0. 181245	0. 073	0. 023	3. 19E-21	Neo-G	MGAT5B
ARGLU1. 6	2. 19E-25	0. 207735	0. 577	0. 455	3. 28E-21	Neo-G	ARGLU1
DNM2. 5	2. 30E-25	-0. 32169	0. 119	0. 257	3. 43E-21	Neo-G	DNM2
SCIMP. 7	2. 34E-25	-0. 37106	0. 007	0. 092	3. 50E-21	Neo-G	SCIMP
SIGLEC8. 4	2. 36E-25	-0. 38353	0. 004	0. 086	3. 52E-21	Neo-G	SIGLEC8
SYNCRIP. 5	2. 40E-25	0. 226683	0. 478	0. 372	3. 58E-21	Neo-G	SYNCRIP
CDK1. 5	2. 47E-25	-0. 34683	0. 015	0. 106	3. 69E-21	Neo-G	CDK1
EMILIN2. 6	2. 62E-25	-0. 24909	0. 005	0. 09	3. 91E-21	Neo-G	EMILIN2
C11orf73. 2	2. 62E-25	0. 144976	0. 52	0. 408	3. 92E-21	Neo-G	C11orf73
TJP1. 5	2. 78E-25	-0. 22878	0. 07	0. 194	4. 16E-21	Neo-G	TJP1
OSMR. 5	2. 83E-25	-0. 18911	0. 008	0. 094	4. 23E-21	Neo-G	OSMR
C3orf70. 6	2. 91E-25	0. 288113	0. 177	0. 091	4. 35E-21	Neo-G	C3orf70
TIMM22. 3	3. 24E-25	0. 273266	0. 333	0. 232	4. 84E-21	Neo-G	TIMM22
VMP1. 3	3. 36E-25	-0. 40905	0. 347	0. 487	5. 02E-21	Neo-G	VMP1
FBL. 5	3. 38E-25	-0. 42523	0. 24	0. 394	5. 05E-21	Neo-G	FBL
DCXR. 3	3. 54E-25	-0. 35713	0. 317	0. 469	5. 29E-21	Neo-G	DCXR
ACADM. 2	3. 71E-25	0. 193161	0. 434	0. 318	5. 55E-21	Neo-G	ACADM
MTRNR2L1C	3. 74E-25	-0. 63918	0. 002	0. 083	5. 59E-21	Neo-G	MTRNR2L10
BIRC5. 7	3. 95E-25	-0. 40348	0. 021	0. 115	5. 91E-21	Neo-G	BIRC5
CRYZ. 6	4. 02E-25	-0. 25125	0. 031	0. 135	6. 01E-21	Neo-G	CRYZ
NUCB1. 6	4. 28E-25	-0. 38685	0. 311	0. 461	6. 40E-21	Neo-G	NUCB1
TREX1. 1	4. 28E-25	-0. 24313	0. 025	0. 124	6. 40E-21	Neo-G	TREX1
EFR3A. 6	4. 40E-25	-0. 24394	0. 045	0. 154	6. 58E-21	Neo-G	EFR3A
FES. 7	4. 50E-25	-0. 34101	0. 005	0. 088	6. 73E-21	Neo-G	FES
CAPRIN1. 5	4. 54E-25	0. 279606	0. 409	0. 309	6. 78E-21	Neo-G	CAPRIN1
RAD23B. 2	4. 57E-25	0. 234395	0. 474	0. 368	6. 83E-21	Neo-G	RAD23B
ZFAND2A. 5	4. 69E-25	0. 180108	0. 391	0. 27	7. 01E-21	Neo-G	ZFAND2A
DCTN6. 2	4. 95E-25	0. 159591	0. 544	0. 431	7. 40E-21	Neo-G	DCTN6
PPHLN1. 3	4. 98E-25	0. 168936	0. 471	0. 354	7. 44E-21	Neo-G	PPHLN1
EIF2AK1. 4	5. 14E-25	0. 270681	0. 423	0. 32	7. 69E-21	Neo-G	EIF2AK1
OPCML	5. 40E-25	0. 137372	0. 059	0. 016	8. 07E-21	Neo-G	OPCML
IFIT2. 4	5. 43E-25	-0. 34082	0. 007	0. 091	8. 11E-21	Neo-G	IFIT2
COLGALT1. 5	5. 47E-25	-0. 29582	0. 08	0. 206	8. 18E-21	Neo-G	COLGALT1
ARMCX5. 4	5. 62E-25	0. 240383	0. 144	0. 067	8. 40E-21	Neo-G	ARMCX5
DLC1. 5	5. 82E-25	-0. 2247	0. 009	0. 096	8. 70E-21	Neo-G	DLC1

CPEB4.3	5.98E-25	0.253164	0.35	0.234	8.93E-21	Neo-G	CPEB4
DPY19L1.4	6.23E-25	-0.19474	0.02	0.115	9.31E-21	Neo-G	DPY19L1
USP27X	6.26E-25	0.166344	0.065	0.019	9.36E-21	Neo-G	USP27X
EMB.7	6.35E-25	-0.34959	0.003	0.084	9.48E-21	Neo-G	EMB
ENSA.5	6.59E-25	-0.39893	0.378	0.515	9.85E-21	Neo-G	ENSA
TGIF2.2	6.62E-25	-0.18596	0.008	0.093	9.89E-21	Neo-G	TGIF2
POLR2J3.6	6.64E-25	0.186017	0.438	0.327	9.92E-21	Neo-G	POLR2J3
GYG1.4	6.79E-25	-0.37558	0.13	0.269	1.01E-20	Neo-G	GYG1
SP140L.3	6.97E-25	-0.30703	0.005	0.087	1.04E-20	Neo-G	SP140L
ZWINT.5	7.03E-25	-0.2872	0.013	0.102	1.05E-20	Neo-G	ZWINT
TRIB1.4	7.31E-25	-0.40383	0.059	0.169	1.09E-20	Neo-G	TRIB1
ING3.2	7.56E-25	0.223407	0.282	0.173	1.13E-20	Neo-G	ING3
NONO.6	8.06E-25	0.18452	0.552	0.443	1.20E-20	Neo-G	NONO
FAM134A.7	8.12E-25	0.281886	0.39	0.287	1.21E-20	Neo-G	FAM134A
IFIT1.3	8.50E-25	-0.37099	0.002	0.082	1.27E-20	Neo-G	IFIT1
SNX4.2	8.61E-25	0.263418	0.345	0.238	1.29E-20	Neo-G	SNX4
DTX3L.2	8.77E-25	-0.22038	0.005	0.088	1.31E-20	Neo-G	DTX3L
COL22A1.3	9.39E-25	-0.16486	0.002	0.081	1.40E-20	Neo-G	COL22A1
F12.5	9.52E-25	0.287829	0.145	0.069	1.42E-20	Neo-G	F12
TXNIP.3	9.57E-25	-0.43742	0.321	0.461	1.43E-20	Neo-G	TXNIP
TEN1.3	9.67E-25	-0.21957	0.069	0.191	1.45E-20	Neo-G	TEN1
CCDC170.2	9.76E-25	0.168833	0.101	0.038	1.46E-20	Neo-G	CCDC170
LTBR.7	9.96E-25	-0.37157	0.016	0.105	1.49E-20	Neo-G	LTBR
AHDC1.5	9.97E-25	0.268297	0.178	0.092	1.49E-20	Neo-G	AHDC1
LHPP.4	1.10E-24	-0.4525	0.022	0.115	1.64E-20	Neo-G	LHPP
TSPAN12.5	1.14E-24	-0.24153	0.031	0.131	1.71E-20	Neo-G	TSPAN12
GCC1.2	1.16E-24	0.227915	0.137	0.062	1.73E-20	Neo-G	GCC1
CCNL2.5	1.22E-24	0.283966	0.383	0.279	1.83E-20	Neo-G	CCNL2
MVB12A.3	1.23E-24	-0.31162	0.17	0.318	1.84E-20	Neo-G	MVB12A
ZNF692.3	1.24E-24	0.276938	0.186	0.1	1.86E-20	Neo-G	ZNF692
CMPK2.3	1.31E-24	0.186495	0.119	0.049	1.96E-20	Neo-G	CMPK2
PDGFRA.6	1.33E-24	-0.29271	0.05	0.16	1.98E-20	Neo-G	PDGFRA
TACC1.5	1.34E-24	-0.32929	0.18	0.329	2.01E-20	Neo-G	TACC1
SIGLEC7.7	1.41E-24	-0.33864	0.003	0.083	2.11E-20	Neo-G	SIGLEC7
ZFYVE21.5	1.46E-24	-0.31877	0.138	0.282	2.18E-20	Neo-G	ZFYVE21
MMP15.6	1.46E-24	0.263234	0.125	0.056	2.18E-20	Neo-G	MMP15
USP8.1	1.47E-24	-0.3197	0.132	0.274	2.19E-20	Neo-G	USP8
PRCC.3	1.50E-24	0.230639	0.397	0.292	2.24E-20	Neo-G	PRCC
LRRC4B.7	1.51E-24	0.326708	0.212	0.123	2.25E-20	Neo-G	LRRC4B
WBSCR22.5	1.58E-24	0.107125	0.606	0.479	2.36E-20	Neo-G	WBSCR22
TANC1.5	1.65E-24	-0.18059	0.023	0.119	2.47E-20	Neo-G	TANC1
ZNF268.5	1.71E-24	0.279802	0.196	0.107	2.56E-20	Neo-G	ZNF268
C20orf24.1	1.72E-24	0.195007	0.586	0.453	2.57E-20	Neo-G	C20orf24
KLF2.4	1.79E-24	-0.42589	0.041	0.143	2.67E-20	Neo-G	KLF2
IL6R.7	1.84E-24	-0.34021	0.01	0.095	2.75E-20	Neo-G	IL6R
SCRG1.6	1.85E-24	0.140381	0.487	0.329	2.77E-20	Neo-G	SCRG1
TAPBP1.4	1.86E-24	-0.34326	0.033	0.133	2.79E-20	Neo-G	TAPBP1
EHD2.5	1.89E-24	-0.17227	0.007	0.09	2.82E-20	Neo-G	EHD2
AKR1A1.5	1.96E-24	-0.42872	0.374	0.513	2.93E-20	Neo-G	AKR1A1
CAMK2B.6	1.97E-24	0.287302	0.191	0.104	2.95E-20	Neo-G	CAMK2B
FGR.7	2.13E-24	-0.34492	0.009	0.092	3.19E-20	Neo-G	FGR

SRCIN1. 5	2. 14E-24	0. 123573	0. 078	0. 025	3. 20E-20	Neo-G	SRCIN1
BAD. 4	2. 17E-24	0. 161511	0. 52	0. 405	3. 24E-20	Neo-G	BAD
KYNU. 7	2. 19E-24	-0. 37468	0. 009	0. 093	3. 28E-20	Neo-G	KYNU
DPYD. 5	2. 19E-24	-0. 3443	0. 02	0. 11	3. 28E-20	Neo-G	DPYD
UBA7. 6	2. 26E-24	-0. 33039	0. 008	0. 091	3. 37E-20	Neo-G	UBA7
ID4. 6	2. 30E-24	0. 292106	0. 318	0. 203	3. 44E-20	Neo-G	ID4
AIF1L. 6	2. 30E-24	-0. 38025	0. 028	0. 124	3. 44E-20	Neo-G	AIF1L
NLRP3. 7	2. 37E-24	-0. 39079	0. 012	0. 097	3. 54E-20	Neo-G	NLRP3
PLAT. 4	2. 42E-24	-0. 28657	0. 031	0. 13	3. 61E-20	Neo-G	PLAT
UBE2E2. 4	2. 51E-24	0. 211487	0. 351	0. 227	3. 74E-20	Neo-G	UBE2E2
TRA2B. 4	2. 58E-24	0. 120696	0. 649	0. 527	3. 86E-20	Neo-G	TRA2B
MAOB. 5	2. 66E-24	0. 157781	0. 178	0. 089	3. 98E-20	Neo-G	MAOB
PEPD. 2	2. 72E-24	-0. 36511	0. 286	0. 446	4. 07E-20	Neo-G	PEPD
TMEM68. 4	2. 73E-24	0. 276315	0. 255	0. 156	4. 08E-20	Neo-G	TMEM68
SH3TC1. 6	2. 95E-24	-0. 36134	0. 007	0. 089	4. 41E-20	Neo-G	SH3TC1
CXorf21. 7	2. 95E-24	-0. 36947	0. 005	0. 085	4. 41E-20	Neo-G	CXorf21
RIN1. 4	2. 98E-24	-0. 16893	0. 008	0. 091	4. 46E-20	Neo-G	RIN1
ARL2. 4	3. 01E-24	-0. 44731	0. 307	0. 454	4. 49E-20	Neo-G	ARL2
DOCK2. 7	3. 05E-24	-0. 34774	0. 005	0. 086	4. 55E-20	Neo-G	DOCK2
SYNE1. 3	3. 15E-24	0. 258863	0. 203	0. 113	4. 71E-20	Neo-G	SYNE1
LAMTOR1. 4	3. 22E-24	-0. 35622	0. 574	0. 664	4. 81E-20	Neo-G	LAMTOR1
FSTL1. 5	3. 30E-24	-0. 19307	0. 027	0. 124	4. 94E-20	Neo-G	FSTL1
CASC3. 4	3. 43E-24	0. 26462	0. 276	0. 174	5. 13E-20	Neo-G	CASC3
IGDCC3. 7	3. 64E-24	0. 281009	0. 123	0. 055	5. 44E-20	Neo-G	IGDCC3
RP11-262H	3. 66E-24	0. 295038	0. 196	0. 109	5. 47E-20	Neo-G	RP11-262H14. 4
AP3B2	3. 84E-24	0. 165437	0. 068	0. 021	5. 74E-20	Neo-G	AP3B2
ARHGAP12.	3. 85E-24	-0. 26809	0. 079	0. 203	5. 76E-20	Neo-G	ARHGAP12
PTPRZ1. 7	3. 86E-24	-0. 45116	0. 295	0. 395	5. 77E-20	Neo-G	PTPRZ1
SETMAR. 2	4. 05E-24	0. 219847	0. 115	0. 048	6. 05E-20	Neo-G	SETMAR
NAA35. 2	4. 16E-24	0. 266038	0. 219	0. 127	6. 21E-20	Neo-G	NAA35
ARL6IP6. 2	4. 16E-24	0. 258729	0. 377	0. 269	6. 22E-20	Neo-G	ARL6IP6
FOXP2	4. 17E-24	0. 12896	0. 057	0. 015	6. 24E-20	Neo-G	FOXP2
HPS1. 6	4. 23E-24	-0. 39314	0. 027	0. 121	6. 32E-20	Neo-G	HPS1
CCDC82. 3	4. 30E-24	0. 237948	0. 363	0. 261	6. 42E-20	Neo-G	CCDC82
PIK3IP1. 5	4. 42E-24	-0. 45728	0. 064	0. 172	6. 60E-20	Neo-G	PIK3IP1
GALNT13. 3	4. 49E-24	0. 203699	0. 098	0. 037	6. 70E-20	Neo-G	GALNT13
PDGFD. 5	4. 50E-24	-0. 15313	0. 006	0. 088	6. 73E-20	Neo-G	PDGFD
ARL6IP4. 6	4. 57E-24	-0. 2958	0. 543	0. 634	6. 83E-20	Neo-G	ARL6IP4
NOTCH1. 3	4. 63E-24	-0. 20011	0. 025	0. 121	6. 91E-20	Neo-G	NOTCH1
ATF2. 1	4. 75E-24	0. 2798	0. 247	0. 149	7. 09E-20	Neo-G	ATF2
KANK2. 3	5. 01E-24	-0. 19691	0. 013	0. 101	7. 49E-20	Neo-G	KANK2
PCMTD2. 6	5. 06E-24	0. 304481	0. 317	0. 216	7. 56E-20	Neo-G	PCMTD2
THRAP3. 5	5. 09E-24	0. 176599	0. 533	0. 426	7. 60E-20	Neo-G	THRAP3
UBE2C. 7	5. 12E-24	-0. 42178	0. 031	0. 127	7. 65E-20	Neo-G	UBE2C
THUMPD1. 2	5. 20E-24	0. 229682	0. 306	0. 201	7. 77E-20	Neo-G	THUMPD1
FAM217B. 7	5. 26E-24	0. 292993	0. 238	0. 145	7. 87E-20	Neo-G	FAM217B
CCND1. 3	5. 42E-24	-0. 29498	0. 104	0. 233	8. 11E-20	Neo-G	CCND1
CCNE2. 4	5. 46E-24	0. 217141	0. 12	0. 051	8. 16E-20	Neo-G	CCNE2
RAB9A. 3	5. 47E-24	-0. 3318	0. 171	0. 32	8. 18E-20	Neo-G	RAB9A
GALC. 3	5. 50E-24	-0. 22161	0. 02	0. 112	8. 22E-20	Neo-G	GALC
RUVBL1. 4	5. 69E-24	0. 221678	0. 36	0. 255	8. 51E-20	Neo-G	RUVBL1

SPINT2.7	5.77E-24	0.12609	0.346	0.201	8.62E-20	Neo-G	SPINT2
IFT52.4	5.77E-24	0.239989	0.347	0.245	8.63E-20	Neo-G	IFT52
LAMP5.6	6.17E-24	0.354862	0.182	0.1	9.21E-20	Neo-G	LAMP5
UBE3A.5	6.23E-24	0.305256	0.372	0.277	9.30E-20	Neo-G	UBE3A
RNFT1.3	6.32E-24	-0.28072	0.089	0.216	9.44E-20	Neo-G	RNFT1
KCNN1	6.35E-24	0.110398	0.046	0.011	9.49E-20	Neo-G	KCNN1
TSC22D2.4	6.80E-24	0.244183	0.248	0.145	1.02E-19	Neo-G	TSC22D2
GMPR2.2	7.11E-24	-0.34424	0.101	0.229	1.06E-19	Neo-G	GMPR2
SOX8.7	7.55E-24	0.299079	0.27	0.166	1.13E-19	Neo-G	SOX8
GAL3ST4.6	7.59E-24	-0.47575	0.074	0.183	1.13E-19	Neo-G	GAL3ST4
TSPAN15.6	7.74E-24	-0.32954	0.006	0.086	1.16E-19	Neo-G	TSPAN15
EIF3G.2	7.78E-24	-0.34511	0.528	0.631	1.16E-19	Neo-G	EIF3G
IRAK3.7	8.14E-24	-0.32515	0.004	0.082	1.22E-19	Neo-G	IRAK3
OPHN1.5	8.19E-24	0.263715	0.137	0.063	1.22E-19	Neo-G	OPHN1
LINC00116	8.61E-24	-0.37369	0.227	0.381	1.29E-19	Neo-G	LINC00116
IRF2BPL.6	8.70E-24	0.27551	0.334	0.23	1.30E-19	Neo-G	IRF2BPL
RP5-940J5	8.71E-24	-0.53396	0.066	0.173	1.30E-19	Neo-G	RP5-940J5.9
LYL1.7	8.75E-24	-0.34088	0.009	0.09	1.31E-19	Neo-G	LYL1
ERAP2	9.10E-24	-0.25139	0.007	0.088	1.36E-19	Neo-G	ERAP2
GIMAP1.6	9.30E-24	-0.33182	0.004	0.081	1.39E-19	Neo-G	GIMAP1
LINC00643	9.43E-24	0.129554	0.049	0.012	1.41E-19	Neo-G	LINC00643
RNF135.7	9.44E-24	-0.28908	0.027	0.121	1.41E-19	Neo-G	RNF135
KCNK12	9.54E-24	0.165695	0.065	0.019	1.43E-19	Neo-G	KCNK12
DEPDC7	9.62E-24	0.139181	0.068	0.021	1.44E-19	Neo-G	DEPDC7
RABEP1.5	9.63E-24	0.294515	0.338	0.242	1.44E-19	Neo-G	RABEP1
CTC-503J8	9.66E-24	0.153276	0.071	0.022	1.44E-19	Neo-G	CTC-503J8.4
KIAA1841.9	9.71E-24	0.249816	0.129	0.058	1.45E-19	Neo-G	KIAA1841
SNX3.2	1.00E-23	-0.22408	0.714	0.717	1.49E-19	Neo-G	SNX3
ANAPC5.4	1.02E-23	0.181029	0.492	0.384	1.52E-19	Neo-G	ANAPC5
NDUFAF6.5	1.02E-23	0.299783	0.266	0.17	1.53E-19	Neo-G	NDUFAF6
ZNF267.7	1.05E-23	-0.32029	0.042	0.143	1.57E-19	Neo-G	ZNF267
NELFCD.5	1.07E-23	0.231269	0.434	0.325	1.59E-19	Neo-G	NELFCD
ASPDH	1.08E-23	0.100851	0.038	0.007	1.62E-19	Neo-G	ASPDH
KAT6A.2	1.11E-23	0.288701	0.244	0.148	1.66E-19	Neo-G	KAT6A
EFNA2.5	1.17E-23	0.246949	0.107	0.044	1.74E-19	Neo-G	EFNA2
MYO1E	1.19E-23	-0.19352	0.001	0.075	1.78E-19	Neo-G	MYO1E
EPHA3.6	1.24E-23	-0.139	0.004	0.081	1.86E-19	Neo-G	EPHA3
ITPKB.1	1.25E-23	-0.25401	0.004	0.081	1.87E-19	Neo-G	ITPKB
NPC1	1.27E-23	-0.26512	0.023	0.114	1.89E-19	Neo-G	NPC1
PPP1CC.4	1.31E-23	0.193547	0.541	0.433	1.95E-19	Neo-G	PPP1CC
TPST1.5	1.32E-23	0.225098	0.342	0.227	1.97E-19	Neo-G	TPST1
MAPRE2.3	1.40E-23	0.178913	0.284	0.174	2.09E-19	Neo-G	MAPRE2
SASH3.7	1.45E-23	-0.33504	0.007	0.087	2.16E-19	Neo-G	SASH3
LINC01117	1.60E-23	0.173474	0.06	0.017	2.39E-19	Neo-G	LINC01117
ILDR2.6	1.61E-23	-0.14947	0.008	0.089	2.40E-19	Neo-G	ILDR2
IRAK1.5	1.71E-23	-0.28555	0.06	0.17	2.56E-19	Neo-G	IRAK1
CECR1.6	1.74E-23	-0.32914	0.003	0.079	2.60E-19	Neo-G	CECR1
YIPF4.3	1.79E-23	0.21704	0.467	0.363	2.68E-19	Neo-G	YIPF4
APOBEC3C	1.79E-23	-0.31958	0.038	0.139	2.68E-19	Neo-G	APOBEC3C
NDUFA4L2	1.80E-23	0.157837	0.092	0.034	2.69E-19	Neo-G	NDUFA4L2
FAM220A.2	1.81E-23	0.238665	0.141	0.067	2.71E-19	Neo-G	FAM220A

AC009501. 1.	8.6E-23	-0.7242	0.064	0.168	2.78E-19	Neo-G	AC009501. 4
HSD3B7. 4	1.92E-23	-0.27353	0.005	0.084	2.86E-19	Neo-G	HSD3B7
TNFAIP8. 6	1.92E-23	-0.34241	0.002	0.078	2.88E-19	Neo-G	TNFAIP8
TRIP10. 1	1.97E-23	-0.21089	0.019	0.108	2.94E-19	Neo-G	TRIP10
Clorf198. 1.	9.9E-23	0.212702	0.183	0.095	2.97E-19	Neo-G	Clorf198
SHPRH. 3	2.00E-23	0.274633	0.205	0.117	2.99E-19	Neo-G	SHPRH
GPR84. 7	2.02E-23	-0.34767	0.005	0.082	3.02E-19	Neo-G	GPR84
IL4R. 7	2.05E-23	-0.30718	0.003	0.079	3.07E-19	Neo-G	IL4R
CD151. 6	2.17E-23	-0.46932	0.387	0.494	3.24E-19	Neo-G	CD151
SS18L1. 3	2.23E-23	0.272917	0.159	0.082	3.34E-19	Neo-G	SS18L1
VCAM1. 5	2.28E-23	-0.35968	0.004	0.081	3.40E-19	Neo-G	VCAM1
CDK8. 3	2.28E-23	0.252556	0.148	0.073	3.40E-19	Neo-G	CDK8
PWWP2A. 4	2.29E-23	0.281905	0.206	0.117	3.43E-19	Neo-G	PWWP2A
PLXNB2. 4	2.32E-23	-0.26017	0.058	0.169	3.46E-19	Neo-G	PLXNB2
ARL9. 6	2.34E-23	0.317752	0.176	0.095	3.49E-19	Neo-G	ARL9
SLC39A10. 2.	4.0E-23	0.280147	0.241	0.147	3.58E-19	Neo-G	SLC39A10
TRIM25. 3	2.42E-23	-0.19347	0.013	0.097	3.62E-19	Neo-G	TRIM25
ZBTB18. 2	2.52E-23	0.219153	0.108	0.045	3.77E-19	Neo-G	ZBTB18
YME1L1. 5	2.55E-23	-0.30629	0.137	0.275	3.81E-19	Neo-G	YME1L1
BAALC. 6	2.57E-23	0.192224	0.471	0.33	3.84E-19	Neo-G	BAALC
CITED1. 6	2.58E-23	-0.34398	0.057	0.163	3.86E-19	Neo-G	CITED1
RGS11. 4	2.59E-23	0.206315	0.101	0.041	3.88E-19	Neo-G	RGS11
TM4SF1. 7	2.61E-23	-0.29558	0.029	0.123	3.90E-19	Neo-G	TM4SF1
TNFRSF19. 2.	6.2E-23	-0.16354	0.023	0.115	3.91E-19	Neo-G	TNFRSF19
MTMR11. 2	2.69E-23	-0.20526	0.003	0.079	4.02E-19	Neo-G	MTMR11
KLHDC2. 6	2.76E-23	0.27439	0.392	0.291	4.12E-19	Neo-G	KLHDC2
ZMAT3. 4	2.81E-23	-0.27231	0.092	0.216	4.19E-19	Neo-G	ZMAT3
TCF7. 4	2.82E-23	0.234817	0.225	0.129	4.22E-19	Neo-G	TCF7
CHMP4A. 6	2.89E-23	-0.37663	0.328	0.485	4.32E-19	Neo-G	CHMP4A
CCDC80. 6	2.89E-23	-0.31674	0.029	0.123	4.33E-19	Neo-G	CCDC80
DDX46. 3	3.01E-23	0.152282	0.545	0.435	4.49E-19	Neo-G	DDX46
SRSF4. 4	3.04E-23	0.228154	0.448	0.349	4.54E-19	Neo-G	SRSF4
TNFAIP2. 5	3.18E-23	-0.29453	0.005	0.083	4.75E-19	Neo-G	TNFAIP2
MAPT-AS1. 3.	1.9E-23	0.166451	0.06	0.017	4.76E-19	Neo-G	MAPT-AS1
HOOK3. 3	3.26E-23	0.280274	0.374	0.273	4.88E-19	Neo-G	HOOK3
TRPM3. 6	3.33E-23	-0.17393	0.002	0.077	4.98E-19	Neo-G	TRPM3
SSPN. 3	3.34E-23	-0.26466	0.024	0.116	5.00E-19	Neo-G	SSPN
ITPK1. 1	3.41E-23	-0.26846	0.046	0.15	5.10E-19	Neo-G	ITPK1
DCAF10. 3	3.43E-23	0.295391	0.262	0.167	5.13E-19	Neo-G	DCAF10
ZHX1. 6	3.51E-23	0.29772	0.295	0.199	5.25E-19	Neo-G	ZHX1
ZKSCAN5. 4	3.56E-23	0.238012	0.127	0.058	5.32E-19	Neo-G	ZKSCAN5
GLIS3. 2	3.64E-23	-0.17043	0.007	0.086	5.44E-19	Neo-G	GLIS3
ST14. 7	3.65E-23	-0.31084	0.005	0.081	5.46E-19	Neo-G	ST14
ZNF511. 5	3.67E-23	-0.21841	0.085	0.209	5.48E-19	Neo-G	ZNF511
EHD4. 7	3.93E-23	-0.27774	0.016	0.1	5.87E-19	Neo-G	EHD4
CENPK. 5	3.96E-23	-0.24835	0.02	0.109	5.92E-19	Neo-G	CENPK
SEN7. 4	4.07E-23	0.252616	0.156	0.078	6.08E-19	Neo-G	SEN7
EID2B. 5	4.08E-23	0.282683	0.159	0.081	6.09E-19	Neo-G	EID2B
ZSCAN9. 2	4.10E-23	0.203189	0.146	0.07	6.12E-19	Neo-G	ZSCAN9
SLC25A14. 4.	1.1E-23	0.227758	0.161	0.082	6.15E-19	Neo-G	SLC25A14
AKIRIN1. 5	4.20E-23	0.227394	0.456	0.358	6.28E-19	Neo-G	AKIRIN1

CRTAC1	4.39E-23	0.130901	0.062	0.018	6.56E-19	Neo-G	CRTAC1
EIF4H.3	4.46E-23	0.105288	0.646	0.528	6.67E-19	Neo-G	EIF4H
CHN1.6	4.54E-23	0.335367	0.299	0.206	6.78E-19	Neo-G	CHN1
RAI14.3	4.77E-23	0.267613	0.132	0.062	7.12E-19	Neo-G	RAI14
TMEM25.6	4.94E-23	0.294132	0.198	0.113	7.39E-19	Neo-G	TMEM25
GFAP.4	5.04E-23	-0.69865	0.255	0.361	7.53E-19	Neo-G	GFAP
OAF.1	5.17E-23	-0.13787	0.002	0.075	7.73E-19	Neo-G	OAF
TAF6.3	5.17E-23	0.244902	0.324	0.225	7.73E-19	Neo-G	TAF6
TUB	5.27E-23	0.134397	0.048	0.012	7.87E-19	Neo-G	TUB
VAV1.7	5.29E-23	-0.31502	0.005	0.082	7.90E-19	Neo-G	VAV1
ACSF2.4	5.37E-23	-0.21966	0.001	0.073	8.02E-19	Neo-G	ACSF2
RHBDL1	5.42E-23	0.148676	0.06	0.018	8.10E-19	Neo-G	RHBDL1
IL32.5	5.56E-23	-0.48155	0.022	0.109	8.31E-19	Neo-G	IL32
FAHD1.3	5.76E-23	0.290004	0.259	0.166	8.61E-19	Neo-G	FAHD1
RFTN2.7	6.12E-23	0.233665	0.211	0.117	9.15E-19	Neo-G	RFTN2
MX1.4	6.13E-23	-0.40195	0.036	0.13	9.16E-19	Neo-G	MX1
SHMT2.4	6.53E-23	-0.34873	0.118	0.245	9.76E-19	Neo-G	SHMT2
RIPPLY2.2	6.56E-23	0.195663	0.086	0.032	9.80E-19	Neo-G	RIPPLY2
MGP.6	6.60E-23	-0.92699	0.026	0.113	9.86E-19	Neo-G	MGP
SLC40A1.5	6.63E-23	-0.2988	0.047	0.15	9.90E-19	Neo-G	SLC40A1
ANKRD9.3	6.68E-23	-0.19588	0.013	0.096	9.98E-19	Neo-G	ANKRD9
HGSNAT.4	6.92E-23	0.293015	0.295	0.195	1.03E-18	Neo-G	HGSNAT
SST	6.95E-23	0.116077	0.016	0.001	1.04E-18	Neo-G	SST
EID2.6	7.25E-23	0.311015	0.183	0.102	1.08E-18	Neo-G	EID2
RASL11B.6	7.47E-23	0.277566	0.112	0.047	1.12E-18	Neo-G	RASL11B
RARRES2.6	7.71E-23	-0.67128	0.06	0.16	1.15E-18	Neo-G	RARRES2
NMT1.2	7.79E-23	-0.28913	0.146	0.283	1.16E-18	Neo-G	NMT1
PIEZO1.4	8.08E-23	-0.21535	0.003	0.077	1.21E-18	Neo-G	PIEZO1
RP11-452F	8.10E-23	-0.35312	0.04	0.137	1.21E-18	Neo-G	RP11-452F19.3
ATP6VOD1.8	8.14E-23	0.122354	0.619	0.497	1.22E-18	Neo-G	ATP6VOD1
NACA2.3	8.17E-23	-0.55354	0.074	0.179	1.22E-18	Neo-G	NACA2
GDI2.7	8.61E-23	-0.39422	0.365	0.503	1.29E-18	Neo-G	GDI2
PPP3CC.3	8.68E-23	0.261096	0.213	0.123	1.30E-18	Neo-G	PPP3CC
GNAI2.7	9.34E-23	-0.31384	0.357	0.498	1.40E-18	Neo-G	GNAI2
SRSF1.2	9.76E-23	0.17558	0.493	0.385	1.46E-18	Neo-G	SRSF1
DDX21.5	9.89E-23	-0.3417	0.176	0.315	1.48E-18	Neo-G	DDX21
PEX5.3	9.91E-23	0.224525	0.162	0.082	1.48E-18	Neo-G	PEX5
C9orf78.2	1.03E-22	0.124586	0.539	0.432	1.54E-18	Neo-G	C9orf78
DGCR6L.3	1.03E-22	-0.28667	0.2	0.352	1.55E-18	Neo-G	DGCR6L
SLC39A4.5	1.06E-22	-0.31551	0.016	0.099	1.59E-18	Neo-G	SLC39A4
PNP.5	1.07E-22	-0.35702	0.024	0.113	1.61E-18	Neo-G	PNP
POR.2	1.11E-22	0.211277	0.363	0.253	1.66E-18	Neo-G	POR
COX20.2	1.11E-22	0.113778	0.57	0.446	1.66E-18	Neo-G	COX20
ZNF75A.6	1.12E-22	0.287919	0.301	0.204	1.67E-18	Neo-G	ZNF75A
RELL2	1.15E-22	0.169177	0.089	0.033	1.71E-18	Neo-G	RELL2
ZNF618.5	1.23E-22	0.172596	0.102	0.041	1.83E-18	Neo-G	ZNF618
DDT.4	1.23E-22	-0.35338	0.397	0.537	1.84E-18	Neo-G	DDT
COL6A1.6	1.26E-22	-0.34802	0.119	0.242	1.88E-18	Neo-G	COL6A1
DOLPP1.4	1.28E-22	0.223885	0.174	0.092	1.91E-18	Neo-G	DOLPP1
MBIP.5	1.29E-22	0.258302	0.266	0.169	1.92E-18	Neo-G	MBIP
BLNK.5	1.37E-22	-0.36245	0.002	0.075	2.04E-18	Neo-G	BLNK

NAIP. 7	1. 49E-22	-0. 33465	0. 028	0. 118	2. 23E-18 Neo-G	NAIP
RAB6B. 6	1. 51E-22	0. 230422	0. 125	0. 057	2. 25E-18 Neo-G	RAB6B
MSH6. 4	1. 56E-22	0. 27337	0. 204	0. 117	2. 33E-18 Neo-G	MSH6
FUT9	1. 61E-22	0. 117336	0. 049	0. 013	2. 41E-18 Neo-G	FUT9
CACNA2D4. 1.	64E-22	-0. 34966	0. 006	0. 082	2. 46E-18 Neo-G	CACNA2D4
RRM1. 5	1. 68E-22	0. 244731	0. 273	0. 174	2. 51E-18 Neo-G	RRM1
CENPM. 6	1. 69E-22	-0. 23854	0. 006	0. 082	2. 53E-18 Neo-G	CENPM
PLAC8. 6	1. 70E-22	-0. 38078	0. 003	0. 076	2. 55E-18 Neo-G	PLAC8
NDUFA13. 4	1. 75E-22	-0. 33677	0. 745	0. 775	2. 62E-18 Neo-G	NDUFA13
CSNK2A1. 4	1. 76E-22	0. 244379	0. 403	0. 306	2. 63E-18 Neo-G	CSNK2A1
SLC4A2	1. 79E-22	-0. 24155	0. 053	0. 157	2. 67E-18 Neo-G	SLC4A2
DCHS1. 6	1. 79E-22	0. 278322	0. 15	0. 076	2. 67E-18 Neo-G	DCHS1
IRF3. 1	1. 87E-22	-0. 28381	0. 126	0. 258	2. 80E-18 Neo-G	IRF3
TRIM56. 2	1. 92E-22	-0. 27576	0. 006	0. 082	2. 87E-18 Neo-G	TRIM56
HIPK2. 5	1. 92E-22	0. 256315	0. 314	0. 209	2. 87E-18 Neo-G	HIPK2
BCAT1. 5	2. 02E-22	-0. 29651	0. 118	0. 245	3. 02E-18 Neo-G	BCAT1
ADORA1. 5	2. 10E-22	-0. 23739	0. 036	0. 132	3. 14E-18 Neo-G	ADORA1
TUSC2. 4	2. 15E-22	0. 241734	0. 422	0. 325	3. 21E-18 Neo-G	TUSC2
MBOAT7. 5	2. 15E-22	-0. 27147	0. 126	0. 257	3. 22E-18 Neo-G	MBOAT7
ZC3H12A. 5	2. 22E-22	-0. 308	0. 008	0. 085	3. 32E-18 Neo-G	ZC3H12A
CA14. 6	2. 25E-22	0. 23602	0. 106	0. 044	3. 36E-18 Neo-G	CA14
TFPT. 5	2. 29E-22	-0. 37153	0. 189	0. 323	3. 42E-18 Neo-G	TFPT
NR2F1. 4	2. 35E-22	0. 313975	0. 244	0. 156	3. 52E-18 Neo-G	NR2F1
SFXN1. 4	2. 35E-22	0. 250924	0. 302	0. 207	3. 52E-18 Neo-G	SFXN1
CD300C. 7	2. 39E-22	-0. 32233	0. 003	0. 076	3. 57E-18 Neo-G	CD300C
RNPEPL1. 5	2. 48E-22	-0. 26478	0. 042	0. 141	3. 70E-18 Neo-G	RNPEPL1
ATF7IP. 2	2. 54E-22	0. 236381	0. 188	0. 103	3. 79E-18 Neo-G	ATF7IP
PPP3CB. 3	2. 60E-22	0. 256956	0. 183	0. 1	3. 88E-18 Neo-G	PPP3CB
RNF150. 2	2. 67E-22	0. 166261	0. 091	0. 035	3. 99E-18 Neo-G	RNF150
FRS3	2. 72E-22	0. 132358	0. 064	0. 02	4. 06E-18 Neo-G	FRS3
CDH8	2. 88E-22	0. 141389	0. 049	0. 013	4. 30E-18 Neo-G	CDH8
HIGD1A. 3	2. 92E-22	-0. 3767	0. 297	0. 443	4. 36E-18 Neo-G	HIGD1A
FARSB. 4	2. 97E-22	0. 218073	0. 323	0. 221	4. 44E-18 Neo-G	FARSB
TMEM63A. 3	3. 11E-22	-0. 2582	0. 005	0. 079	4. 65E-18 Neo-G	TMEM63A
CEP97. 4	3. 24E-22	0. 236272	0. 14	0. 068	4. 85E-18 Neo-G	CEP97
CLTA. 5	3. 33E-22	0. 124241	0. 746	0. 614	4. 97E-18 Neo-G	CLTA
RCAN1. 6	3. 49E-22	-0. 48793	0. 156	0. 282	5. 22E-18 Neo-G	RCAN1
SLC15A3. 6	3. 52E-22	-0. 28603	0. 004	0. 077	5. 26E-18 Neo-G	SLC15A3
CSNK1A1. 4	3. 56E-22	0. 142521	0. 672	0. 544	5. 32E-18 Neo-G	CSNK1A1
MYO9B. 5	3. 62E-22	-0. 29414	0. 148	0. 284	5. 42E-18 Neo-G	MYO9B
PACSIN3. 5	3. 66E-22	-0. 15024	0. 004	0. 077	5. 46E-18 Neo-G	PACSIN3
BLOC1S4. 7	3. 66E-22	0. 31089	0. 324	0. 233	5. 47E-18 Neo-G	BLOC1S4
TUFT1	3. 67E-22	0. 153192	0. 071	0. 023	5. 48E-18 Neo-G	TUFT1
LIFR. 4	3. 70E-22	-0. 20666	0. 028	0. 12	5. 53E-18 Neo-G	LIFR
ASH1L. 4	3. 88E-22	0. 233702	0. 396	0. 299	5. 80E-18 Neo-G	ASH1L
STK3. 1	3. 89E-22	-0. 24977	0. 028	0. 119	5. 81E-18 Neo-G	STK3
NSUN5. 2	3. 95E-22	0. 21828	0. 313	0. 212	5. 90E-18 Neo-G	NSUN5
RBM10. 3	3. 96E-22	0. 282088	0. 285	0. 192	5. 91E-18 Neo-G	RBM10
SORT1. 4	4. 07E-22	-0. 29364	0. 117	0. 243	6. 08E-18 Neo-G	SORT1
ZNF22. 5	4. 18E-22	0. 204614	0. 372	0. 264	6. 24E-18 Neo-G	ZNF22
CLK4. 3	4. 24E-22	0. 210079	0. 25	0. 152	6. 33E-18 Neo-G	CLK4



PHF21B	4.31E-22	0.189877	0.072	0.025	6.45E-18	Neo-G	PHF21B
AKAP12.7	4.35E-22	-0.33387	0.086	0.199	6.50E-18	Neo-G	AKAP12
ATP13A2.4	4.36E-22	0.288997	0.218	0.131	6.52E-18	Neo-G	ATP13A2
KDM7A.1	4.42E-22	0.157743	0.124	0.055	6.61E-18	Neo-G	KDM7A
MTHFD1L.6	4.43E-22	-0.25346	0.046	0.146	6.62E-18	Neo-G	MTHFD1L
FAU.5	4.46E-22	-0.29515	0.969	0.956	6.67E-18	Neo-G	FAU
RREB1.7	4.52E-22	-0.24196	0.005	0.08	6.75E-18	Neo-G	RREB1
KRTCAP2.4	4.54E-22	-0.37613	0.438	0.571	6.78E-18	Neo-G	KRTCAP2
ETHE1.3	4.68E-22	-0.39559	0.17	0.303	6.99E-18	Neo-G	ETHE1
IL16.6	4.76E-22	-0.32921	0.004	0.076	7.11E-18	Neo-G	IL16
C11orf49.4	4.92E-22	0.251388	0.321	0.227	7.35E-18	Neo-G	C11orf49
USP33.2	4.96E-22	0.254249	0.264	0.169	7.41E-18	Neo-G	USP33
NUP214.6	5.05E-22	-0.41632	0.094	0.207	7.55E-18	Neo-G	NUP214
PDCD2L.4	5.13E-22	0.239393	0.177	0.096	7.67E-18	Neo-G	PDCD2L
CEP41.2	5.17E-22	0.228831	0.234	0.141	7.73E-18	Neo-G	CEP41
DNAJC3.4	5.27E-22	-0.32322	0.17	0.307	7.87E-18	Neo-G	DNAJC3
CD93.7	5.28E-22	-0.32536	0.005	0.079	7.89E-18	Neo-G	CD93
DSE.7	5.28E-22	-0.37617	0.051	0.148	7.89E-18	Neo-G	DSE
RGN.6	5.34E-22	0.202004	0.137	0.064	7.98E-18	Neo-G	RGN
CAP1.6	5.79E-22	-0.35806	0.495	0.604	8.65E-18	Neo-G	CAP1
MTFR1L.4	5.94E-22	0.229064	0.376	0.28	8.88E-18	Neo-G	MTFR1L
COPS7B.3	6.10E-22	0.243624	0.282	0.186	9.11E-18	Neo-G	COPS7B
TM9SF3.4	6.11E-22	-0.24728	0.108	0.233	9.13E-18	Neo-G	TM9SF3
SYNM.5	6.20E-22	-0.1419	0.005	0.079	9.27E-18	Neo-G	SYNM
TMEM101.2	6.29E-22	-0.29255	0.098	0.22	9.41E-18	Neo-G	TMEM101
APOPT1.3	6.49E-22	0.184001	0.474	0.37	9.70E-18	Neo-G	APOPT1
SYDE1.3	6.50E-22	-0.12763	0.005	0.078	9.71E-18	Neo-G	SYDE1
HNRNPH1.2	6.60E-22	0.174889	0.556	0.444	9.86E-18	Neo-G	HNRNPH1
NUB1.2	6.61E-22	0.223944	0.345	0.242	9.88E-18	Neo-G	NUB1
PRKCD.6	6.86E-22	-0.28331	0.011	0.089	1.03E-17	Neo-G	PRKCD
SRD5A1.2	7.09E-22	0.25621	0.181	0.101	1.06E-17	Neo-G	SRD5A1
RP13-188A	7.14E-22	0.121919	0.051	0.014	1.07E-17	Neo-G	RP13-188A5.1
COLGALT2.7	7.39E-22	-0.19591	0.048	0.15	1.10E-17	Neo-G	COLGALT2
DDX6.2	7.81E-22	0.171406	0.29	0.186	1.17E-17	Neo-G	DDX6
EMP2.2	7.94E-22	-0.3521	0.029	0.118	1.19E-17	Neo-G	EMP2
PCDHB2.5	7.95E-22	0.247542	0.143	0.071	1.19E-17	Neo-G	PCDHB2
RHOH.7	8.07E-22	-0.37988	0.009	0.085	1.21E-17	Neo-G	RHOH
AREG.7	8.17E-22	-0.47719	0.002	0.072	1.22E-17	Neo-G	AREG
RP11-386I	8.20E-22	-0.31735	0.003	0.074	1.23E-17	Neo-G	RP11-386I14.4
ANGPTL4.3	8.98E-22	-0.47937	0.026	0.11	1.34E-17	Neo-G	ANGPTL4
NACC2.4	8.99E-22	-0.17554	0.024	0.112	1.34E-17	Neo-G	NACC2
HBEGF.7	9.03E-22	-0.48333	0.12	0.227	1.35E-17	Neo-G	HBEGF
SSRP1.5	9.12E-22	0.219414	0.444	0.344	1.36E-17	Neo-G	SSRP1
GEM.2	9.20E-22	-0.36647	0.022	0.106	1.37E-17	Neo-G	GEM
C1QTNF3.3	9.23E-22	0.196328	0.086	0.033	1.38E-17	Neo-G	C1QTNF3
GLB1.4	9.76E-22	-0.33115	0.132	0.258	1.46E-17	Neo-G	GLB1
RALGDS.4	9.80E-22	0.231265	0.237	0.142	1.46E-17	Neo-G	RALGDS
AGA.2	9.88E-22	-0.31517	0.06	0.165	1.48E-17	Neo-G	AGA
NR2F6.6	9.90E-22	0.325793	0.214	0.132	1.48E-17	Neo-G	NR2F6
CNIH4.5	1.03E-21	-0.36882	0.242	0.39	1.54E-17	Neo-G	CNIH4
CARD9.7	1.05E-21	-0.2782	0.005	0.077	1.57E-17	Neo-G	CARD9

ATG10. 2	1. 05E-21	0. 253729	0. 222	0. 133	1. 57E-17 Neo-G	ATG10
HM13. 2	1. 06E-21	-0. 35521	0. 35	0. 49	1. 59E-17 Neo-G	HM13
EPC2. 3	1. 13E-21	0. 27076	0. 163	0. 087	1. 69E-17 Neo-G	EPC2
ZSCAN1	1. 17E-21	0. 101237	0. 047	0. 012	1. 75E-17 Neo-G	ZSCAN1
HSPA13. 6	1. 24E-21	0. 282167	0. 285	0. 189	1. 85E-17 Neo-G	HSPA13
NCL. 4	1. 27E-21	0. 122395	0. 661	0. 542	1. 89E-17 Neo-G	NCL
ARHGEF2. 6	1. 27E-21	0. 226579	0. 385	0. 277	1. 89E-17 Neo-G	ARHGEF2
KXD1. 4	1. 30E-21	-0. 37514	0. 322	0. 464	1. 94E-17 Neo-G	KXD1
RASGRP3. 5	1. 32E-21	-0. 33767	0. 005	0. 076	1. 98E-17 Neo-G	RASGRP3
VPS13C. 2	1. 36E-21	-0. 26057	0. 075	0. 186	2. 03E-17 Neo-G	VPS13C
GPR37L1. 6	1. 38E-21	-0. 37635	0. 014	0. 093	2. 06E-17 Neo-G	GPR37L1
ALDH3B1. 5	1. 38E-21	-0. 26279	0. 006	0. 079	2. 06E-17 Neo-G	ALDH3B1
NFE2L3. 1	1. 46E-21	0. 138273	0. 075	0. 026	2. 18E-17 Neo-G	NFE2L3
KDELR3. 1	1. 47E-21	-0. 16112	0	0. 067	2. 19E-17 Neo-G	KDELR3
FAM181A. 5	1. 56E-21	-0. 25364	0. 003	0. 073	2. 33E-17 Neo-G	FAM181A
GJA1. 4	1. 60E-21	-0. 33232	0. 011	0. 087	2. 40E-17 Neo-G	GJA1
TMEM37. 3	1. 61E-21	-0. 30603	0. 002	0. 07	2. 40E-17 Neo-G	TMEM37
ACIN1. 4	1. 61E-21	0. 265181	0. 348	0. 255	2. 41E-17 Neo-G	ACIN1
CCDC88B. 2	1. 85E-21	-0. 29048	0. 013	0. 09	2. 76E-17 Neo-G	CCDC88B
RASSF8. 4	1. 93E-21	-0. 1614	0. 016	0. 096	2. 89E-17 Neo-G	RASSF8
PKNOX1	1. 95E-21	0. 259268	0. 181	0. 1	2. 91E-17 Neo-G	PKNOX1
PPM1K. 3	1. 95E-21	0. 183168	0. 32	0. 213	2. 92E-17 Neo-G	PPM1K
TGFB1I1. 6	1. 95E-21	-0. 1722	0. 04	0. 137	2. 92E-17 Neo-G	TGFB1I1
PSMA2. 4	1. 97E-21	-0. 67758	0. 001	0. 068	2. 95E-17 Neo-G	PSMA2
TMEM11. 4	2. 21E-21	0. 1692	0. 408	0. 308	3. 30E-17 Neo-G	TMEM11
MGME1. 2	2. 26E-21	-0. 24567	0. 056	0. 159	3. 37E-17 Neo-G	MGME1
AGAP3. 4	2. 26E-21	0. 255562	0. 17	0. 091	3. 38E-17 Neo-G	AGAP3
TBL1XR1. 5	2. 29E-21	0. 263634	0. 333	0. 238	3. 42E-17 Neo-G	TBL1XR1
UBE2B	2. 47E-21	0. 134221	0. 578	0. 474	3. 69E-17 Neo-G	UBE2B
GAS1. 7	2. 50E-21	-0. 2464	0. 055	0. 155	3. 74E-17 Neo-G	GAS1
NDRG1. 3	2. 56E-21	-0. 50705	0. 08	0. 183	3. 82E-17 Neo-G	NDRG1
UBTD2. 3	2. 76E-21	0. 288524	0. 174	0. 097	4. 12E-17 Neo-G	UBTD2
FILIP1L. 7	3. 20E-21	-0. 30342	0. 06	0. 16	4. 78E-17 Neo-G	FILIP1L
GGPS1. 6	3. 32E-21	0. 192417	0. 406	0. 307	4. 96E-17 Neo-G	GGPS1
TMBIM4. 5	3. 37E-21	-0. 68065	0	0. 066	5. 03E-17 Neo-G	TMBIM4
PCDH10. 5	3. 40E-21	-0. 16705	0. 005	0. 075	5. 09E-17 Neo-G	PCDH10
EPHX1. 3	3. 48E-21	-0. 35064	0. 121	0. 246	5. 20E-17 Neo-G	EPHX1
MOB3B. 4	3. 51E-21	0. 22789	0. 165	0. 085	5. 24E-17 Neo-G	MOB3B
SLC9A9. 6	3. 61E-21	-0. 31018	0. 011	0. 086	5. 39E-17 Neo-G	SLC9A9
LOXL1. 5	3. 67E-21	-0. 13258	0. 01	0. 086	5. 49E-17 Neo-G	LOXL1
MXD4. 4	3. 83E-21	0. 296152	0. 269	0. 178	5. 72E-17 Neo-G	MXD4
PFDN1. 1	3. 87E-21	0. 115185	0. 544	0. 436	5. 79E-17 Neo-G	PFDN1
FAM66C. 2	3. 95E-21	0. 173886	0. 091	0. 036	5. 91E-17 Neo-G	FAM66C
PROCR. 6	3. 98E-21	-0. 28267	0. 005	0. 077	5. 95E-17 Neo-G	PROCR
GRSF1. 3	4. 02E-21	0. 242217	0. 405	0. 312	6. 01E-17 Neo-G	GRSF1
ADAMTS9. 5	4. 09E-21	-0. 1581	0. 01	0. 086	6. 11E-17 Neo-G	ADAMTS9
RP11-480C	4. 10E-21	0. 128446	0. 075	0. 026	6. 13E-17 Neo-G	RP11-480C16. 1
AAED1. 6	4. 23E-21	-0. 2318	0. 081	0. 193	6. 32E-17 Neo-G	AAED1
SLC30A1. 2	4. 29E-21	-0. 18319	0. 017	0. 098	6. 41E-17 Neo-G	SLC30A1
TIPRL. 3	4. 32E-21	0. 179137	0. 353	0. 255	6. 45E-17 Neo-G	TIPRL
C10orf10. 4	4. 38E-21	-0. 56162	0. 02	0. 099	6. 55E-17 Neo-G	C10orf10

ZNF205. 4	4. 53E-21	0. 276929	0. 178	0. 1	6. 77E-17	Neo-G	ZNF205
RDH10. 6	4. 56E-21	-0. 23838	0. 016	0. 094	6. 82E-17	Neo-G	RDH10
FOXO3. 5	4. 77E-21	0. 218201	0. 364	0. 261	7. 13E-17	Neo-G	FOXO3
DBX2. 6	4. 86E-21	-0. 14167	0. 003	0. 072	7. 26E-17	Neo-G	DBX2
ASH2L. 4	4. 87E-21	0. 231176	0. 26	0. 166	7. 27E-17	Neo-G	ASH2L
GK. 7	4. 95E-21	-0. 3658	0. 053	0. 149	7. 39E-17	Neo-G	GK
LAPTM4A. 3	4. 98E-21	-0. 33465	0. 74	0. 776	7. 45E-17	Neo-G	LAPTM4A
CXCL2. 4	5. 00E-21	-0. 47232	0. 017	0. 095	7. 47E-17	Neo-G	CXCL2
CDK2. 4	5. 14E-21	-0. 19325	0. 014	0. 092	7. 68E-17	Neo-G	CDK2
BTG3. 4	5. 52E-21	0. 20153	0. 464	0. 36	8. 25E-17	Neo-G	BTG3
KAT5. 2	5. 60E-21	0. 21017	0. 339	0. 24	8. 36E-17	Neo-G	KAT5
MIEN1. 1	5. 71E-21	0. 108401	0. 583	0. 472	8. 53E-17	Neo-G	MIEN1
KBTBD4. 3	5. 75E-21	0. 221392	0. 156	0. 081	8. 59E-17	Neo-G	KBTBD4
TNFSF12. 7	5. 93E-21	-0. 3136	0. 088	0. 197	8. 86E-17	Neo-G	TNFSF12
SPTBN2	6. 19E-21	0. 161478	0. 068	0. 023	9. 26E-17	Neo-G	SPTBN2
GPX8. 6	6. 25E-21	-0. 15602	0. 002	0. 07	9. 35E-17	Neo-G	GPX8
NRROS. 4	6. 36E-21	-0. 31736	0. 005	0. 075	9. 50E-17	Neo-G	NRROS
RGP1. 2	6. 54E-21	0. 260843	0. 156	0. 083	9. 78E-17	Neo-G	RGP1
KANK1. 4	6. 81E-21	-0. 22768	0. 02	0. 101	1. 02E-16	Neo-G	KANK1
TSEN34. 4	6. 94E-21	0. 192766	0. 468	0. 356	1. 04E-16	Neo-G	TSEN34
MANBA. 7	7. 01E-21	-0. 33568	0. 04	0. 13	1. 05E-16	Neo-G	MANBA
AC073283.	7. 18E-21	0. 138639	0. 064	0. 02	1. 07E-16	Neo-G	AC073283. 4
PUS7L. 3	7. 75E-21	0. 261014	0. 241	0. 152	1. 16E-16	Neo-G	PUS7L
SRC	7. 83E-21	0. 156548	0. 091	0. 036	1. 17E-16	Neo-G	SRC
GMNN. 6	8. 16E-21	-0. 27235	0. 079	0. 188	1. 22E-16	Neo-G	GMNN
CD55. 7	8. 32E-21	-0. 40464	0. 039	0. 127	1. 24E-16	Neo-G	CD55
TXNDC16. 2	8. 37E-21	0. 188573	0. 111	0. 049	1. 25E-16	Neo-G	TXNDC16
ALDH1L1. 6	8. 44E-21	-0. 30729	0. 003	0. 071	1. 26E-16	Neo-G	ALDH1L1
APOL2. 4	8. 49E-21	-0. 36333	0. 025	0. 108	1. 27E-16	Neo-G	APOL2
SH3KBP1. 7	8. 50E-21	-0. 34825	0. 137	0. 254	1. 27E-16	Neo-G	SH3KBP1
NASP. 3	8. 70E-21	0. 156806	0. 508	0. 397	1. 30E-16	Neo-G	NASP
NARF. 3	8. 75E-21	0. 198402	0. 418	0. 318	1. 31E-16	Neo-G	NARF
SCO2. 7	8. 86E-21	-0. 28942	0. 106	0. 224	1. 32E-16	Neo-G	SCO2
THBD. 7	8. 97E-21	-0. 3786	0. 023	0. 103	1. 34E-16	Neo-G	THBD
PREP. 4	9. 12E-21	0. 245051	0. 165	0. 088	1. 36E-16	Neo-G	PREP
ARVCF. 5	9. 19E-21	0. 22642	0. 108	0. 049	1. 37E-16	Neo-G	ARVCF
PIGT. 2	9. 33E-21	-0. 35792	0. 277	0. 412	1. 39E-16	Neo-G	PIGT
APO01055.	9. 41E-21	-0. 35609	0. 013	0. 088	1. 41E-16	Neo-G	APO01055. 6
CLEC4E. 5	9. 49E-21	-0. 36355	0	0. 065	1. 42E-16	Neo-G	CLEC4E
AFTPH. 2	9. 75E-21	0. 234033	0. 233	0. 143	1. 46E-16	Neo-G	AFTPH
SLC27A1. 3	9. 92E-21	-0. 24503	0. 068	0. 171	1. 48E-16	Neo-G	SLC27A1
KRBOX4. 2	1. 01E-20	0. 22759	0. 189	0. 106	1. 50E-16	Neo-G	KRBOX4
DEXI. 5	1. 01E-20	0. 29198	0. 284	0. 197	1. 51E-16	Neo-G	DEXI
TMEM144. 3	1. 02E-20	-0. 45614	0. 012	0. 086	1. 52E-16	Neo-G	TMEM144
ZNF775. 6	1. 02E-20	0. 285995	0. 16	0. 086	1. 53E-16	Neo-G	ZNF775
ENKUR. 5	1. 03E-20	-0. 21753	0. 008	0. 08	1. 54E-16	Neo-G	ENKUR
GINM1. 1	1. 04E-20	-0. 2776	0. 175	0. 311	1. 55E-16	Neo-G	GINM1
ACAP1. 6	1. 07E-20	-0. 24661	0. 013	0. 088	1. 59E-16	Neo-G	ACAP1
OSBPL3	1. 07E-20	-0. 20636	0. 007	0. 078	1. 60E-16	Neo-G	OSBPL3
ATP6VOE2-	1. 11E-20	0. 155773	0. 076	0. 028	1. 65E-16	Neo-G	ATP6VOE2-AS1
MARCH1. 7	1. 12E-20	0. 183894	0. 292	0. 178	1. 67E-16	Neo-G	1-Mar

IKZF1. 6	1. 14E-20	-0. 29323	0. 004	0. 072	1. 70E-16	Neo-G	IKZF1
PIK3AP1. 7	1. 15E-20	-0. 26011	0. 004	0. 072	1. 72E-16	Neo-G	PIK3AP1
PABPN1. 4	1. 16E-20	0. 222006	0. 442	0. 344	1. 73E-16	Neo-G	PABPN1
UBXN4. 3	1. 19E-20	0. 101084	0. 647	0. 532	1. 78E-16	Neo-G	UBXN4
POLR2C. 5	1. 22E-20	0. 169775	0. 441	0. 339	1. 82E-16	Neo-G	POLR2C
GDF15. 6	1. 22E-20	-0. 3311	0. 007	0. 078	1. 83E-16	Neo-G	GDF15
SLC38A10. 1	1. 22E-20	-0. 25649	0. 097	0. 211	1. 83E-16	Neo-G	SLC38A10
TRAPPC2P1	1. 24E-20	0. 170939	0. 317	0. 213	1. 85E-16	Neo-G	TRAPPC2P1
FAS. 1	1. 30E-20	-0. 28523	0. 005	0. 075	1. 94E-16	Neo-G	FAS
IL10RB. 7	1. 34E-20	-0. 38373	0. 137	0. 256	2. 01E-16	Neo-G	IL10RB
DUSP22. 7	1. 42E-20	-0. 30116	0. 034	0. 121	2. 12E-16	Neo-G	DUSP22
FAM110A. 3	1. 44E-20	0. 216343	0. 136	0. 066	2. 15E-16	Neo-G	FAM110A
PTGFRN. 2	1. 48E-20	-0. 17335	0. 027	0. 113	2. 22E-16	Neo-G	PTGFRN
FAM219A. 3	1. 53E-20	0. 239883	0. 156	0. 083	2. 28E-16	Neo-G	FAM219A
SNTA1. 5	1. 55E-20	-0. 13949	0. 016	0. 094	2. 31E-16	Neo-G	SNTA1
MX2. 7	1. 62E-20	-0. 30404	0. 004	0. 071	2. 42E-16	Neo-G	MX2
BCS1L. 4	1. 65E-20	0. 270051	0. 245	0. 156	2. 46E-16	Neo-G	BCS1L
LRP6. 6	1. 67E-20	0. 297257	0. 181	0. 104	2. 49E-16	Neo-G	LRP6
FHL3. 3	1. 68E-20	-0. 22562	0. 066	0. 17	2. 51E-16	Neo-G	FHL3
CASP3. 4	1. 68E-20	0. 23538	0. 279	0. 187	2. 52E-16	Neo-G	CASP3
NCAM2. 5	1. 69E-20	0. 206899	0. 127	0. 06	2. 52E-16	Neo-G	NCAM2
CALHM2. 5	1. 69E-20	-0. 22821	0. 002	0. 067	2. 52E-16	Neo-G	CALHM2
SUCLG1. 4	1. 71E-20	0. 132779	0. 528	0. 425	2. 56E-16	Neo-G	SUCLG1
ANKRD11. 4	1. 73E-20	0. 224376	0. 404	0. 305	2. 58E-16	Neo-G	ANKRD11
BOLA3. 4	1. 78E-20	-0. 3278	0. 21	0. 351	2. 67E-16	Neo-G	BOLA3
COL16A1. 5	1. 82E-20	-0. 17639	0. 009	0. 082	2. 72E-16	Neo-G	COL16A1
KITLG. 1	1. 94E-20	0. 208921	0. 09	0. 037	2. 90E-16	Neo-G	KITLG
TMEM205. 6	2. 12E-20	-0. 46128	0. 405	0. 507	3. 17E-16	Neo-G	TMEM205
TLR1. 7	2. 15E-20	-0. 29999	0. 006	0. 075	3. 22E-16	Neo-G	TLR1
GRB2. 7	2. 16E-20	0. 151557	0. 585	0. 468	3. 22E-16	Neo-G	GRB2
C12orf76. 2	2. 16E-20	0. 165508	0. 353	0. 255	3. 23E-16	Neo-G	C12orf76
MIR155HG	2. 17E-20	-0. 20701	0	0. 064	3. 24E-16	Neo-G	MIR155HG
TMEM5. 5	2. 19E-20	0. 250605	0. 288	0. 198	3. 27E-16	Neo-G	TMEM5
HS6ST2. 3	2. 27E-20	-0. 12	0. 003	0. 07	3. 39E-16	Neo-G	HS6ST2
SRRM1. 3	2. 31E-20	0. 105905	0. 609	0. 506	3. 45E-16	Neo-G	SRRM1
FUCA1. 5	2. 32E-20	-0. 36507	0. 12	0. 232	3. 47E-16	Neo-G	FUCA1
SLC9B2. 1	2. 33E-20	0. 177427	0. 094	0. 039	3. 47E-16	Neo-G	SLC9B2
ORMDL3. 5	2. 33E-20	0. 223883	0. 201	0. 118	3. 48E-16	Neo-G	ORMDL3
CNPY1. 6	2. 34E-20	0. 264537	0. 139	0. 07	3. 50E-16	Neo-G	CNPY1
LMF2. 4	2. 34E-20	-0. 25944	0. 098	0. 214	3. 50E-16	Neo-G	LMF2
TWSG1. 2	2. 35E-20	-0. 27369	0. 07	0. 174	3. 51E-16	Neo-G	TWSG1
ARRDC1. 6	2. 40E-20	-0. 28113	0. 05	0. 144	3. 59E-16	Neo-G	ARRDC1
RAD1. 3	2. 45E-20	0. 232458	0. 258	0. 168	3. 66E-16	Neo-G	RAD1
NDUFB8. 3	2. 49E-20	-0. 64196	0	0. 063	3. 72E-16	Neo-G	NDUFB8
CACNB1	2. 50E-20	0. 127013	0. 06	0. 019	3. 73E-16	Neo-G	CACNB1
CDV3. 3	2. 52E-20	-0. 28528	0. 159	0. 289	3. 77E-16	Neo-G	CDV3
UNC5B. 6	2. 59E-20	-0. 27158	0. 016	0. 092	3. 87E-16	Neo-G	UNC5B
TEX264. 2	2. 67E-20	-0. 37979	0. 267	0. 411	3. 98E-16	Neo-G	TEX264
LINC00844	2. 74E-20	-0. 36409	0. 031	0. 116	4. 09E-16	Neo-G	LINC00844
PDCD6. 2	2. 80E-20	0. 122249	0. 631	0. 523	4. 18E-16	Neo-G	PDCD6
SLAMF8. 7	2. 81E-20	-0. 28235	0. 004	0. 071	4. 20E-16	Neo-G	SLAMF8

ANG. 5	2.93E-20	-0.33724	0.016	0.092	4.38E-16	Neo-G	ANG
NPB. 3	3.16E-20	0.26067	0.125	0.061	4.71E-16	Neo-G	NPB
DNAJB11. 4	3.27E-20	0.150368	0.523	0.422	4.89E-16	Neo-G	DNAJB11
PINK1. 5	3.28E-20	0.256108	0.288	0.197	4.90E-16	Neo-G	PINK1
ZSWIM5	3.36E-20	0.121506	0.041	0.01	5.03E-16	Neo-G	ZSWIM5
EFCAB7. 3	3.46E-20	0.23531	0.128	0.062	5.17E-16	Neo-G	EFCAB7
SETD6. 4	3.52E-20	0.246891	0.155	0.083	5.26E-16	Neo-G	SETD6
FEZ2. 6	3.73E-20	0.186605	0.539	0.438	5.57E-16	Neo-G	FEZ2
RP11-108M	3.83E-20	-0.31576	0.028	0.111	5.72E-16	Neo-G	RP11-108M9. 4
EPB41L4A-	3.86E-20	0.179149	0.39	0.282	5.77E-16	Neo-G	EPB41L4A-AS1
TFEC. 7	4.03E-20	-0.26268	0	0.063	6.03E-16	Neo-G	TFEC
DGKI	4.12E-20	0.125614	0.058	0.018	6.16E-16	Neo-G	DGKI
TPX2. 6	4.56E-20	-0.26864	0.016	0.09	6.82E-16	Neo-G	TPX2
ACVR2A. 2	4.57E-20	0.218995	0.126	0.062	6.83E-16	Neo-G	ACVR2A
RAP1GAP	4.58E-20	0.139945	0.069	0.024	6.84E-16	Neo-G	RAP1GAP
MB21D2. 5	4.58E-20	0.139396	0.108	0.047	6.84E-16	Neo-G	MB21D2
ORAI3. 5	4.71E-20	-0.241	0.055	0.152	7.03E-16	Neo-G	ORAI3
NOTCH3. 3	4.77E-20	-0.12823	0.002	0.067	7.13E-16	Neo-G	NOTCH3
ZCCHC9	4.89E-20	-0.23028	0.064	0.166	7.31E-16	Neo-G	ZCCHC9
OLFML2B. 6	4.90E-20	-0.32474	0.007	0.075	7.32E-16	Neo-G	OLFML2B
EYA4. 5	4.99E-20	-0.11098	0.001	0.064	7.45E-16	Neo-G	EYA4
CUL5. 4	4.99E-20	0.285542	0.299	0.213	7.46E-16	Neo-G	CUL5
BIRC3. 3	5.00E-20	-0.34076	0.005	0.071	7.47E-16	Neo-G	BIRC3
FRG1	5.51E-20	0.146336	0.413	0.309	8.24E-16	Neo-G	FRG1
MFNG. 7	5.63E-20	-0.3611	0.046	0.136	8.42E-16	Neo-G	MFNG
ETV6. 3	5.66E-20	-0.25214	0.06	0.158	8.46E-16	Neo-G	ETV6
ZNF433. 2	5.70E-20	0.204618	0.108	0.049	8.52E-16	Neo-G	ZNF433
CCND2. 7	5.72E-20	0.191357	0.427	0.314	8.55E-16	Neo-G	CCND2
FIGNL1. 3	5.95E-20	0.151545	0.097	0.04	8.90E-16	Neo-G	FIGNL1
ORAI2. 3	5.98E-20	0.245819	0.357	0.266	8.93E-16	Neo-G	ORAI2
SNRK. 2	6.03E-20	0.207719	0.149	0.077	9.01E-16	Neo-G	SNRK
G6PD. 2	6.05E-20	-0.26636	0.121	0.241	9.04E-16	Neo-G	G6PD
DOK2. 6	6.09E-20	-0.28014	0	0.062	9.10E-16	Neo-G	DOK2
BTBD3. 6	6.37E-20	-0.17546	0.051	0.148	9.51E-16	Neo-G	BTBD3
UNC13A	6.57E-20	0.161681	0.079	0.03	9.83E-16	Neo-G	UNC13A
ETV1. 7	6.68E-20	-0.31785	0.136	0.258	9.98E-16	Neo-G	ETV1
MSANTD3. 4	6.69E-20	0.24784	0.149	0.08	9.99E-16	Neo-G	MSANTD3
DNAJC2. 4	6.74E-20	0.230014	0.384	0.287	1.01E-15	Neo-G	DNAJC2
CDH6. 5	6.87E-20	-0.13402	0.007	0.076	1.03E-15	Neo-G	CDH6
SOX15. 5	7.02E-20	0.185726	0.13	0.063	1.05E-15	Neo-G	SOX15
CCDC159. 1	7.04E-20	-0.29788	0.06	0.16	1.05E-15	Neo-G	CCDC159
LCMT1. 1	7.55E-20	0.235413	0.341	0.253	1.13E-15	Neo-G	LCMT1
PPP1R16A.	7.66E-20	0.253777	0.246	0.16	1.14E-15	Neo-G	PPP1R16A
RINT1. 4	7.75E-20	0.191404	0.163	0.087	1.16E-15	Neo-G	RINT1
NUDT16. 7	7.79E-20	-0.31915	0.117	0.232	1.16E-15	Neo-G	NUDT16
REEP5. 6	7.96E-20	-0.3872	0.484	0.597	1.19E-15	Neo-G	REEP5
TMEM255A.	7.97E-20	-0.16141	0.027	0.111	1.19E-15	Neo-G	TMEM255A
FGD2. 6	8.16E-20	-0.32333	0.003	0.068	1.22E-15	Neo-G	FGD2
ARAF. 1	8.21E-20	-0.22158	0.08	0.189	1.23E-15	Neo-G	ARAF
LGALS1. 5	8.24E-20	0.222029	0.118	0.056	1.23E-15	Neo-G	LGALS1
PLD6	8.31E-20	0.133467	0.064	0.022	1.24E-15	Neo-G	PLD6

IDI1. 5	8. 35E-20	-0. 34379	0. 207	0. 338	1. 25E-15	Neo-G	IDI1
TGFBR1. 7	8. 54E-20	-0. 31434	0. 074	0. 173	1. 28E-15	Neo-G	TGFBR1
TPCN1. 5	8. 79E-20	-0. 24613	0. 02	0. 098	1. 31E-15	Neo-G	TPCN1
BOK. 7	8. 84E-20	-0. 19422	0. 012	0. 084	1. 32E-15	Neo-G	BOK
TOM1. 6	9. 25E-20	-0. 29781	0. 071	0. 171	1. 38E-15	Neo-G	TOM1
SNX9. 6	9. 29E-20	-0. 26989	0. 092	0. 201	1. 39E-15	Neo-G	SNX9
LAMA4. 5	9. 47E-20	-0. 16323	0. 009	0. 078	1. 42E-15	Neo-G	LAMA4
SPG20. 2	9. 93E-20	-0. 27915	0. 13	0. 251	1. 48E-15	Neo-G	SPG20
TUBGCP4. 4	1. 03E-19	0. 253142	0. 193	0. 114	1. 54E-15	Neo-G	TUBGCP4
ZNF222. 2	1. 05E-19	0. 172464	0. 105	0. 047	1. 57E-15	Neo-G	ZNF222
COPZ2. 2	1. 06E-19	-0. 15528	0	0. 061	1. 58E-15	Neo-G	COPZ2
SLC8B1. 7	1. 06E-19	-0. 24372	0. 026	0. 106	1. 58E-15	Neo-G	SLC8B1
HSP90B1. 4	1. 09E-19	-0. 31378	0. 606	0. 664	1. 63E-15	Neo-G	HSP90B1
HERC5. 2	1. 11E-19	-0. 18901	0. 01	0. 081	1. 65E-15	Neo-G	HERC5
HHEX. 7	1. 14E-19	-0. 28383	0. 002	0. 064	1. 71E-15	Neo-G	HHEX
SH3BGRL. 4	1. 15E-19	-0. 3661	0. 572	0. 658	1. 71E-15	Neo-G	SH3BGRL
TCF7L2. 2	1. 15E-19	-0. 17984	0. 023	0. 102	1. 72E-15	Neo-G	TCF7L2
LAMP1. 5	1. 22E-19	-0. 28938	0. 427	0. 532	1. 82E-15	Neo-G	LAMP1
ARSA. 5	1. 22E-19	-0. 30096	0. 052	0. 145	1. 83E-15	Neo-G	ARSA
IMMP1L. 5	1. 23E-19	0. 217797	0. 311	0. 222	1. 84E-15	Neo-G	IMMP1L
SEP15. 2	1. 30E-19	-0. 34976	0. 582	0. 666	1. 94E-15	Neo-G	15-Sep
LRRFIP1. 7	1. 34E-19	-0. 32582	0. 236	0. 368	2. 00E-15	Neo-G	LRRFIP1
SQLE. 5	1. 37E-19	0. 260474	0. 33	0. 239	2. 05E-15	Neo-G	SQLE
ZNF322. 5	1. 39E-19	0. 26295	0. 203	0. 125	2. 07E-15	Neo-G	ZNF322
GAPT. 7	1. 39E-19	-0. 29335	0. 003	0. 067	2. 08E-15	Neo-G	GAPT
ALDH6A1. 4	1. 40E-19	-0. 23914	0. 104	0. 219	2. 09E-15	Neo-G	ALDH6A1
ZNF738. 7	1. 44E-19	0. 264382	0. 218	0. 135	2. 16E-15	Neo-G	ZNF738
ETV5. 4	1. 45E-19	-0. 21878	0. 145	0. 272	2. 16E-15	Neo-G	ETV5
TNFRSF10E	1. 45E-19	-0. 28148	0. 03	0. 111	2. 17E-15	Neo-G	TNFRSF10B
PPDPF. 3	1. 49E-19	0. 10142	0. 884	0. 69	2. 23E-15	Neo-G	PPDPF
IL1RN. 7	1. 55E-19	-0. 35441	0. 013	0. 083	2. 31E-15	Neo-G	IL1RN
TLR7. 4	1. 55E-19	-0. 30083	0. 001	0. 062	2. 32E-15	Neo-G	TLR7
TMTC2. 2	1. 55E-19	0. 185717	0. 102	0. 044	2. 32E-15	Neo-G	TMTC2
OXR1. 6	1. 58E-19	0. 265784	0. 33	0. 242	2. 36E-15	Neo-G	OXR1
SMARCD2. 2	1. 59E-19	-0. 17862	0. 018	0. 094	2. 38E-15	Neo-G	SMARCD2
ARAP2. 3	1. 61E-19	-0. 20961	0. 018	0. 094	2. 40E-15	Neo-G	ARAP2
GPBP1L1. 4	1. 62E-19	-0. 24648	0. 103	0. 219	2. 42E-15	Neo-G	GPBP1L1
PPCS. 4	1. 65E-19	-0. 38445	0. 21	0. 334	2. 47E-15	Neo-G	PPCS
GPRIN3. 7	1. 73E-19	-0. 25617	0. 002	0. 065	2. 58E-15	Neo-G	GPRIN3
RRM2. 6	1. 73E-19	-0. 26571	0. 005	0. 07	2. 59E-15	Neo-G	RRM2
SYTL2. 5	1. 76E-19	-0. 28549	0. 013	0. 084	2. 64E-15	Neo-G	SYTL2
CAP2. 4	1. 79E-19	0. 180717	0. 111	0. 05	2. 67E-15	Neo-G	CAP2
ARHGAP22. 1	1. 81E-19	-0. 29173	0. 012	0. 082	2. 70E-15	Neo-G	ARHGAP22
FAM64A. 7	1. 90E-19	-0. 25619	0. 009	0. 076	2. 84E-15	Neo-G	FAM64A
CCL3L3. 4	1. 96E-19	-0. 70149	0	0. 06	2. 92E-15	Neo-G	CCL3L3
PRRC2C. 4	2. 03E-19	0. 128265	0. 566	0. 472	3. 04E-15	Neo-G	PRRC2C
TACC3. 4	2. 13E-19	-0. 23626	0. 013	0. 085	3. 18E-15	Neo-G	TACC3
RP11-263K	2. 17E-19	-0. 17052	0. 006	0. 073	3. 25E-15	Neo-G	RP11-263K19. 4
SYS1. 1	2. 25E-19	-0. 29723	0. 133	0. 254	3. 37E-15	Neo-G	SYS1
PARP4. 2	2. 39E-19	-0. 19709	0. 017	0. 092	3. 57E-15	Neo-G	PARP4
SAA1. 4	2. 41E-19	-1. 16913	0. 046	0. 128	3. 60E-15	Neo-G	SAA1

CCNB2.6	2.44E-19	-0.25862	0.005	0.07	3.65E-15	Neo-G	CCNB2
PSMD13.2	2.45E-19	0.131681	0.504	0.402	3.65E-15	Neo-G	PSMD13
TSPYL2.3	2.59E-19	0.177185	0.187	0.104	3.87E-15	Neo-G	TSPYL2
PIBF1.2	2.64E-19	0.236389	0.153	0.082	3.94E-15	Neo-G	PIBF1
ZNF263.1	2.67E-19	0.234599	0.2	0.119	3.99E-15	Neo-G	ZNF263
RIT1.4	2.67E-19	-0.26732	0.111	0.226	3.99E-15	Neo-G	RIT1
TSSC4.4	2.69E-19	0.191563	0.393	0.302	4.03E-15	Neo-G	TSSC4
C3orf58.1	2.72E-19	-0.20443	0.021	0.098	4.06E-15	Neo-G	C3orf58
HIST2H2AA	2.76E-19	-0.26487	0.005	0.07	4.12E-15	Neo-G	HIST2H2AA3
ITGB5.5	2.79E-19	-0.23873	0.002	0.063	4.17E-15	Neo-G	ITGB5
RAB39B.6	2.92E-19	0.244134	0.152	0.083	4.36E-15	Neo-G	RAB39B
PXN.2	2.94E-19	-0.18832	0.044	0.134	4.40E-15	Neo-G	PXN
SEC14L2.6	2.94E-19	-0.17371	0.037	0.125	4.40E-15	Neo-G	SEC14L2
ANP32B.7	2.98E-19	-0.28304	0.327	0.465	4.45E-15	Neo-G	ANP32B
MTMR10.1	3.20E-19	-0.2223	0.007	0.073	4.79E-15	Neo-G	MTMR10
TKT.4	3.21E-19	-0.34643	0.399	0.522	4.80E-15	Neo-G	TKT
CYB561D2.3	3.22E-19	-0.33324	0.124	0.238	4.81E-15	Neo-G	CYB561D2
CENPT.4	3.22E-19	0.237414	0.269	0.18	4.81E-15	Neo-G	CENPT
USP46.7	3.24E-19	0.259237	0.211	0.128	4.84E-15	Neo-G	USP46
CREB3L2.6	3.26E-19	-0.27019	0.045	0.133	4.88E-15	Neo-G	CREB3L2
TMEM206.5	3.36E-19	0.238205	0.311	0.221	5.02E-15	Neo-G	TMEM206
SIMC1	3.39E-19	0.195677	0.104	0.047	5.07E-15	Neo-G	SIMC1
FAM167A	3.48E-19	0.105995	0.05	0.015	5.20E-15	Neo-G	FAM167A
PRPS2.3	3.52E-19	-0.24348	0.046	0.134	5.26E-15	Neo-G	PRPS2
PRAM1.5	3.62E-19	-0.26784	0	0.06	5.42E-15	Neo-G	PRAM1
SRPX2.5	3.64E-19	-0.22962	0.002	0.064	5.44E-15	Neo-G	SRPX2
RUNX1T1.4	3.80E-19	0.184088	0.076	0.029	5.67E-15	Neo-G	RUNX1T1
ASAP1.3	3.89E-19	0.286779	0.302	0.218	5.82E-15	Neo-G	ASAP1
CENPN.4	3.91E-19	-0.23467	0.02	0.095	5.84E-15	Neo-G	CENPN
PDE8A.2	4.01E-19	-0.19525	0.021	0.097	5.99E-15	Neo-G	PDE8A
SEL1L.3	4.02E-19	-0.24977	0.081	0.185	6.01E-15	Neo-G	SEL1L
RFWD2.3	4.04E-19	0.264683	0.239	0.156	6.04E-15	Neo-G	RFWD2
KIAA0226L	4.15E-19	-0.29348	0.026	0.104	6.20E-15	Neo-G	KIAA0226L
SMAP1.3	4.16E-19	0.220984	0.378	0.288	6.22E-15	Neo-G	SMAP1
RP6-91H8.	4.23E-19	-0.31738	0.002	0.062	6.32E-15	Neo-G	RP6-91H8.3
ZNF106.6	4.27E-19	-0.29943	0.148	0.271	6.38E-15	Neo-G	ZNF106
FRMD4A.6	4.29E-19	0.118657	0.287	0.176	6.41E-15	Neo-G	FRMD4A
CAMSAP2.5	4.43E-19	0.267569	0.22	0.141	6.62E-15	Neo-G	CAMSAP2
CHST11.7	4.48E-19	-0.29673	0.115	0.225	6.69E-15	Neo-G	CHST11
EIF2S3.4	4.48E-19	-0.31641	0.184	0.308	6.70E-15	Neo-G	EIF2S3
B3GAT2.3	4.52E-19	0.211229	0.145	0.075	6.76E-15	Neo-G	B3GAT2
ITPRIP.7	4.53E-19	-0.22906	0.013	0.083	6.76E-15	Neo-G	ITPRIP
RCHY1.3	4.59E-19	0.182539	0.284	0.19	6.86E-15	Neo-G	RCHY1
SPEG.5	4.62E-19	0.201353	0.127	0.063	6.91E-15	Neo-G	SPEG
SYBU.5	4.77E-19	0.256924	0.148	0.079	7.12E-15	Neo-G	SYBU
ZNF883.6	4.82E-19	0.233941	0.212	0.132	7.20E-15	Neo-G	ZNF883
IRF1.5	4.89E-19	-0.37286	0.111	0.218	7.31E-15	Neo-G	IRF1
SORBS3.5	5.02E-19	-0.17342	0.079	0.184	7.50E-15	Neo-G	SORBS3
TK1.5	5.05E-19	-0.25522	0.01	0.078	7.54E-15	Neo-G	TK1
ASF1B.4	5.08E-19	-0.1927	0.004	0.067	7.59E-15	Neo-G	ASF1B
UNC79	5.27E-19	0.1066	0.054	0.017	7.88E-15	Neo-G	UNC79

H6PD. 1	5. 31E-19	-0. 21813	0. 025	0. 103	7. 94E-15	Neo-G	H6PD
NCEH1. 5	5. 40E-19	-0. 19762	0. 009	0. 075	8. 07E-15	Neo-G	NCEH1
MKNK1. 6	5. 45E-19	-0. 41411	0. 085	0. 181	8. 15E-15	Neo-G	MKNK1
ANKRD17. 5	5. 65E-19	0. 280692	0. 291	0. 208	8. 44E-15	Neo-G	ANKRD17
SMARCD3. 6	5. 65E-19	0. 286034	0. 306	0. 222	8. 44E-15	Neo-G	SMARCD3
IL4I1. 5	5. 67E-19	-0. 27836	0. 007	0. 072	8. 47E-15	Neo-G	IL4I1
HDDC3. 2	5. 94E-19	-0. 25515	0. 063	0. 16	8. 88E-15	Neo-G	HDDC3
ZYG11B. 5	5. 96E-19	0. 259153	0. 221	0. 14	8. 91E-15	Neo-G	ZYG11B
LDLRAP1. 3	6. 03E-19	-0. 18102	0. 002	0. 064	9. 00E-15	Neo-G	LDLRAP1
MPZL1. 3	6. 33E-19	0. 218918	0. 333	0. 238	9. 46E-15	Neo-G	MPZL1
CPSF4. 3	6. 39E-19	0. 262144	0. 273	0. 186	9. 55E-15	Neo-G	CPSF4
PGAM2. 6	6. 44E-19	0. 122256	0. 098	0. 042	9. 62E-15	Neo-G	PGAM2
CD247	6. 46E-19	0. 113269	0. 046	0. 013	9. 65E-15	Neo-G	CD247
CHTOP. 4	6. 48E-19	0. 137583	0. 451	0. 356	9. 69E-15	Neo-G	CHTOP
MARCH7. 2	6. 51E-19	0. 248897	0. 334	0. 246	9. 73E-15	Neo-G	7-Mar
PAXIP1-AS	6. 60E-19	0. 276689	0. 232	0. 15	9. 86E-15	Neo-G	PAXIP1-AS1
FGFRL1. 1	6. 74E-19	-0. 10723	0. 002	0. 062	1. 01E-14	Neo-G	FGFRL1
PGAM1. 5	6. 89E-19	-0. 36009	0. 407	0. 513	1. 03E-14	Neo-G	PGAM1
LINC00936	6. 96E-19	-0. 33902	0. 059	0. 15	1. 04E-14	Neo-G	LINC00936
CSK. 7	7. 02E-19	-0. 28546	0. 064	0. 157	1. 05E-14	Neo-G	CSK
EEF1E1. 4	7. 05E-19	0. 17099	0. 4	0. 305	1. 05E-14	Neo-G	EEF1E1
CREB5. 6	7. 08E-19	-0. 24201	0. 128	0. 248	1. 06E-14	Neo-G	CREB5
SFT2D2. 3	7. 35E-19	-0. 26939	0. 063	0. 158	1. 10E-14	Neo-G	SFT2D2
TMEM9. 7	7. 51E-19	0. 113079	0. 456	0. 356	1. 12E-14	Neo-G	TMEM9
OSCAR. 7	7. 54E-19	-0. 26888	0. 012	0. 08	1. 13E-14	Neo-G	OSCAR
FGD5-AS1.	7. 58E-19	0. 232425	0. 39	0. 303	1. 13E-14	Neo-G	FGD5-AS1
PSD	7. 62E-19	0. 142528	0. 061	0. 021	1. 14E-14	Neo-G	PSD
OTUD1. 6	7. 72E-19	-0. 3273	0. 029	0. 107	1. 15E-14	Neo-G	OTUD1
TMED3. 5	8. 03E-19	-0. 28092	0. 192	0. 322	1. 20E-14	Neo-G	TMED3
RAD50. 3	8. 15E-19	0. 211333	0. 345	0. 256	1. 22E-14	Neo-G	RAD50
IKBKE. 6	8. 35E-19	-0. 2275	0. 002	0. 063	1. 25E-14	Neo-G	IKBKE
SZRD1. 3	8. 42E-19	-0. 2578	0. 15	0. 278	1. 26E-14	Neo-G	SZRD1
CBLN4. 7	8. 55E-19	-0. 15339	0. 015	0. 087	1. 28E-14	Neo-G	CBLN4
ATP1A2. 4	8. 60E-19	-0. 31634	0. 005	0. 069	1. 29E-14	Neo-G	ATP1A2
QARS. 6	8. 73E-19	-0. 29339	0. 17	0. 296	1. 30E-14	Neo-G	QARS
ITGA2. 5	8. 90E-19	-0. 14217	0. 005	0. 069	1. 33E-14	Neo-G	ITGA2
CCL4. 6	8. 90E-19	-0. 62982	0. 247	0. 334	1. 33E-14	Neo-G	CCL4
FAM109A. 1	9. 01E-19	0. 200375	0. 104	0. 047	1. 35E-14	Neo-G	FAM109A
COPG2. 3	9. 15E-19	0. 22929	0. 185	0. 109	1. 37E-14	Neo-G	COPG2
ANKRD13B.	9. 54E-19	0. 202083	0. 098	0. 044	1. 43E-14	Neo-G	ANKRD13B
RP11-556E	9. 58E-19	-0. 28803	0. 002	0. 061	1. 43E-14	Neo-G	RP11-556E13. 1
GSTM4. 4	9. 81E-19	-0. 28575	0. 106	0. 217	1. 47E-14	Neo-G	GSTM4
LILRB2. 7	9. 83E-19	-0. 27226	0. 001	0. 06	1. 47E-14	Neo-G	LILRB2
WNT7A	1. 00E-18	0. 143165	0. 053	0. 017	1. 50E-14	Neo-G	WNT7A
FPR3. 7	1. 01E-18	-0. 24293	0. 002	0. 063	1. 50E-14	Neo-G	FPR3
GADD45A. 7	1. 01E-18	-0. 38603	0. 176	0. 291	1. 51E-14	Neo-G	GADD45A
DNAJA2. 1	1. 02E-18	0. 180517	0. 411	0. 32	1. 52E-14	Neo-G	DNAJA2
ARHGDIG	1. 03E-18	0. 120725	0. 051	0. 015	1. 53E-14	Neo-G	ARHGDIG
FAM110B. 5	1. 04E-18	0. 228555	0. 267	0. 177	1. 55E-14	Neo-G	FAM110B
CNDP2. 7	1. 04E-18	-0. 34367	0. 319	0. 445	1. 56E-14	Neo-G	CNDP2
RP11-347F	1. 04E-18	-0. 32706	0. 007	0. 071	1. 56E-14	Neo-G	RP11-347P5. 1



ETV4. 6	1. 06E-18	-0. 15936	0. 015	0. 086	1. 59E-14 Neo-G	ETV4
PIP4K2A. 4	1. 12E-18	-0. 32697	0. 057	0. 147	1. 68E-14 Neo-G	PIP4K2A
GPR173. 1	1. 13E-18	0. 181065	0. 078	0. 03	1. 69E-14 Neo-G	GPR173
CDC20. 5	1. 14E-18	-0. 25902	0. 009	0. 075	1. 71E-14 Neo-G	CDC20
SSTR2	1. 19E-18	0. 123069	0. 047	0. 013	1. 78E-14 Neo-G	SSTR2
ZNF217. 1	1. 20E-18	-0. 15172	0. 02	0. 095	1. 79E-14 Neo-G	ZNF217
NHSL2. 4	1. 24E-18	-0. 5015	0	0. 058	1. 85E-14 Neo-G	NHSL2
IFNGR2. 7	1. 27E-18	-0. 29765	0. 276	0. 403	1. 89E-14 Neo-G	IFNGR2
BICD1. 5	1. 35E-18	0. 282593	0. 277	0. 196	2. 02E-14 Neo-G	BICD1
FAM13B. 3	1. 37E-18	0. 187983	0. 148	0. 078	2. 05E-14 Neo-G	FAM13B
NPPC	1. 38E-18	0. 112103	0. 045	0. 012	2. 06E-14 Neo-G	NPPC
GOT2. 4	1. 47E-18	0. 247533	0. 273	0. 188	2. 20E-14 Neo-G	GOT2
DHX57. 4	1. 50E-18	0. 218368	0. 159	0. 087	2. 24E-14 Neo-G	DHX57
NABP1. 5	1. 56E-18	-0. 3732	0. 049	0. 133	2. 33E-14 Neo-G	NABP1
SSR1. 6	1. 57E-18	-0. 34596	0. 35	0. 483	2. 35E-14 Neo-G	SSR1
FAF2. 4	1. 70E-18	0. 270328	0. 263	0. 18	2. 54E-14 Neo-G	FAF2
GSTZ1. 3	1. 71E-18	-0. 21174	0. 068	0. 168	2. 56E-14 Neo-G	GSTZ1
HK2. 5	1. 73E-18	-0. 2246	0. 02	0. 093	2. 59E-14 Neo-G	HK2
ANKRD22. 6	1. 74E-18	-0. 3061	0. 008	0. 072	2. 60E-14 Neo-G	ANKRD22
APBA2. 7	1. 83E-18	0. 257698	0. 282	0. 198	2. 74E-14 Neo-G	APBA2
BCAM. 5	1. 84E-18	-0. 14787	0. 035	0. 118	2. 75E-14 Neo-G	BCAM
WARS. 4	1. 95E-18	-0. 3086	0. 106	0. 213	2. 92E-14 Neo-G	WARS
MBD2. 3	2. 05E-18	-0. 17775	0. 008	0. 072	3. 06E-14 Neo-G	MBD2
KIAA1211L	2. 06E-18	-0. 14358	0. 002	0. 062	3. 09E-14 Neo-G	KIAA1211L
SUGP2. 5	2. 11E-18	0. 230384	0. 322	0. 237	3. 16E-14 Neo-G	SUGP2
FAM20C. 5	2. 20E-18	-0. 25693	0. 12	0. 236	3. 29E-14 Neo-G	FAM20C
NT5DC3	2. 37E-18	0. 123016	0. 068	0. 025	3. 54E-14 Neo-G	NT5DC3
ERCC1. 6	2. 41E-18	-0. 34814	0. 351	0. 487	3. 60E-14 Neo-G	ERCC1
PARP10. 3	2. 50E-18	-0. 23055	0. 021	0. 095	3. 73E-14 Neo-G	PARP10
PDCL. 2	2. 60E-18	0. 217028	0. 271	0. 184	3. 88E-14 Neo-G	PDCL
VANGL2. 5	2. 68E-18	0. 229424	0. 129	0. 066	4. 00E-14 Neo-G	VANGL2
RP11-166F	2. 68E-18	0. 13093	0. 063	0. 022	4. 01E-14 Neo-G	RP11-166P13. 4
PBX4	2. 70E-18	0. 132302	0. 053	0. 017	4. 03E-14 Neo-G	PBX4
MXI1. 3	2. 75E-18	0. 187157	0. 207	0. 124	4. 11E-14 Neo-G	MXI1
GBAS. 3	2. 83E-18	0. 189309	0. 478	0. 39	4. 22E-14 Neo-G	GBAS
OBFC1. 3	2. 95E-18	-0. 22623	0. 021	0. 094	4. 40E-14 Neo-G	OBFC1
ACAA2. 5	2. 95E-18	-0. 37963	0. 117	0. 221	4. 41E-14 Neo-G	ACAA2
EIF2B1. 2	2. 96E-18	0. 214372	0. 361	0. 273	4. 43E-14 Neo-G	EIF2B1
TIMP3. 5	2. 96E-18	-0. 18779	0. 046	0. 135	4. 43E-14 Neo-G	TIMP3
LNX1-AS1	2. 98E-18	0. 10074	0. 037	0. 009	4. 45E-14 Neo-G	LNX1-AS1
TMPO. 6	3. 04E-18	0. 22523	0. 276	0. 184	4. 54E-14 Neo-G	TMPO
ILKAP. 4	3. 10E-18	0. 256542	0. 305	0. 22	4. 63E-14 Neo-G	ILKAP
PFKP. 3	3. 11E-18	-0. 19705	0. 065	0. 162	4. 65E-14 Neo-G	PFKP
CFI. 4	3. 15E-18	-0. 2034	0. 005	0. 067	4. 71E-14 Neo-G	CFI
C14orf166	3. 15E-18	-0. 34438	0. 485	0. 597	4. 71E-14 Neo-G	C14orf166
ARAP1. 6	3. 28E-18	-0. 26545	0. 036	0. 117	4. 90E-14 Neo-G	ARAP1
SGK3. 4	3. 39E-18	-0. 21248	0. 009	0. 074	5. 06E-14 Neo-G	SGK3
FAM114A1. 3	3. 39E-18	-0. 24626	0. 038	0. 121	5. 07E-14 Neo-G	FAM114A1
TRPV2. 7	3. 43E-18	-0. 25274	0. 005	0. 065	5. 12E-14 Neo-G	TRPV2
BAG1. 3	3. 61E-18	0. 203446	0. 437	0. 342	5. 40E-14 Neo-G	BAG1
RIC8A. 3	3. 71E-18	0. 196945	0. 363	0. 276	5. 54E-14 Neo-G	RIC8A

NHLRC3.3	3.72E-18	0.146818	0.357	0.259	5.56E-14	Neo-G	NHLRC3
PTGS2.7	3.73E-18	-0.27487	0.006	0.068	5.57E-14	Neo-G	PTGS2
MICAL1.6	3.73E-18	0.183296	0.219	0.131	5.58E-14	Neo-G	MICAL1
FREM2.5	3.78E-18	-0.10062	0.009	0.075	5.65E-14	Neo-G	FREM2
METRNL.7	3.79E-18	-0.28702	0.02	0.09	5.66E-14	Neo-G	METRNL
METTL12.1	4.30E-18	-0.24473	0.076	0.175	6.43E-14	Neo-G	METTL12
ING2.3	4.33E-18	0.260839	0.28	0.197	6.46E-14	Neo-G	ING2
CTTN.6	4.34E-18	0.233196	0.304	0.22	6.48E-14	Neo-G	CTTN
MZT2B.3	4.34E-18	0.153921	0.723	0.577	6.49E-14	Neo-G	MZT2B
SAMD9	4.42E-18	-0.22121	0.016	0.085	6.60E-14	Neo-G	SAMD9
PICALM.7	4.53E-18	-0.31844	0.177	0.294	6.78E-14	Neo-G	PICALM
PDE9A.4	4.65E-18	0.214744	0.127	0.064	6.94E-14	Neo-G	PDE9A
IFNAR1.5	4.67E-18	-0.28779	0.178	0.303	6.97E-14	Neo-G	IFNAR1
FRAT2.1	4.84E-18	0.173634	0.093	0.04	7.23E-14	Neo-G	FRAT2
POFUT1.3	5.00E-18	-0.16411	0.041	0.126	7.47E-14	Neo-G	POFUT1
LACTB.7	5.05E-18	-0.27045	0.08	0.176	7.55E-14	Neo-G	LACTB
CLUAP1.6	5.07E-18	0.254412	0.239	0.159	7.58E-14	Neo-G	CLUAP1
NADSYN1.3	5.10E-18	-0.22049	0.044	0.129	7.62E-14	Neo-G	NADSYN1
SFMBT2.5	5.30E-18	-0.32502	0.016	0.085	7.92E-14	Neo-G	SFMBT2
EEF1A2.1	5.30E-18	0.227714	0.08	0.033	7.92E-14	Neo-G	EEF1A2
MAEA.3	5.40E-18	0.228321	0.311	0.226	8.07E-14	Neo-G	MAEA
CCSER2.4	5.41E-18	0.216079	0.307	0.219	8.09E-14	Neo-G	CCSER2
RASAL3.6	5.41E-18	-0.24546	0.004	0.064	8.09E-14	Neo-G	RASAL3
KIF1C.1	5.56E-18	-0.17885	0.02	0.091	8.31E-14	Neo-G	KIF1C
DMRTA2.4	5.59E-18	-0.12075	0.015	0.084	8.35E-14	Neo-G	DMRTA2
MOSPD1.4	5.68E-18	0.248024	0.196	0.121	8.49E-14	Neo-G	MOSPD1
ZBTB38.1	5.73E-18	0.182153	0.266	0.177	8.56E-14	Neo-G	ZBTB38
TBC1D22A.5	5.76E-18	-0.22294	0.046	0.132	8.60E-14	Neo-G	TBC1D22A
DNAJC18.4	5.82E-18	0.231835	0.19	0.114	8.70E-14	Neo-G	DNAJC18
CLIC4.6	5.97E-18	-0.32682	0.221	0.346	8.93E-14	Neo-G	CLIC4
ITPRIPL2.6	6.02E-18	-0.16196	0.013	0.081	9.00E-14	Neo-G	ITPRIPL2
IRF2BP2.5	6.15E-18	0.172211	0.404	0.305	9.19E-14	Neo-G	IRF2BP2
FAM198B.4	6.40E-18	-0.2549	0.006	0.067	9.57E-14	Neo-G	FAM198B
BLM.2	6.53E-18	-0.16041	0.017	0.087	9.76E-14	Neo-G	BLM
UBL5.5	6.54E-18	-0.25932	0.871	0.826	9.78E-14	Neo-G	UBL5
RPS6KA4.6	6.55E-18	-0.22648	0.046	0.131	9.79E-14	Neo-G	RPS6KA4
DBNDD1.5	6.66E-18	0.252607	0.121	0.061	9.96E-14	Neo-G	DBNDD1
NUMB.6	6.67E-18	-0.28813	0.082	0.181	9.97E-14	Neo-G	NUMB
JOSD2.5	6.99E-18	-0.255	0.214	0.349	1.05E-13	Neo-G	JOSD2
KCNE4.5	6.99E-18	-0.14143	0.033	0.113	1.05E-13	Neo-G	KCNE4
PTPRO.6	7.02E-18	0.141189	0.14	0.071	1.05E-13	Neo-G	PTPRO
CLDN10.5	7.46E-18	-0.3254	0.003	0.061	1.11E-13	Neo-G	CLDN10
SH3PXD2B.7	7.48E-18	-0.15907	0.042	0.126	1.12E-13	Neo-G	SH3PXD2B
HAS2.4	7.54E-18	-0.17329	0.002	0.059	1.13E-13	Neo-G	HAS2
ADSSL1.4	7.73E-18	-0.2009	0.018	0.088	1.15E-13	Neo-G	ADSSL1
AIG1.3	7.78E-18	-0.37513	0.223	0.347	1.16E-13	Neo-G	AIG1
IGFLR1.4	8.19E-18	-0.29924	0.003	0.061	1.22E-13	Neo-G	IGFLR1
USP10.3	8.28E-18	0.210956	0.32	0.234	1.24E-13	Neo-G	USP10
GJB2.3	8.35E-18	-0.20304	0	0.055	1.25E-13	Neo-G	GJB2
PSMD6.3	8.83E-18	0.135931	0.434	0.34	1.32E-13	Neo-G	PSMD6
CD40.7	8.96E-18	-0.2653	0.01	0.074	1.34E-13	Neo-G	CD40

HPS3. 4	9. 23E-18	-0. 22478	0. 061	0. 152	1. 38E-13	Neo-G	HPS3
TNS3. 6	9. 51E-18	-0. 2507	0. 014	0. 081	1. 42E-13	Neo-G	TNS3
TFEB. 5	1. 02E-17	-0. 20903	0. 016	0. 085	1. 52E-13	Neo-G	TFEB
SLC2A4RG. 1	0. 06E-17	-0. 17193	0. 049	0. 135	1. 58E-13	Neo-G	SLC2A4RG
MIR210HG. 1	0. 07E-17	-0. 18219	0. 025	0. 1	1. 60E-13	Neo-G	MIR210HG
PLLP. 6	1. 09E-17	-0. 33248	0. 011	0. 075	1. 63E-13	Neo-G	PLLP
TECPR1. 4	1. 09E-17	0. 20338	0. 188	0. 112	1. 63E-13	Neo-G	TECPR1
MSANTD4. 4	1. 10E-17	0. 241276	0. 191	0. 117	1. 65E-13	Neo-G	MSANTD4
TMEM156. 5	1. 11E-17	-0. 28708	0. 004	0. 062	1. 65E-13	Neo-G	TMEM156
SNX8. 6	1. 11E-17	-0. 23738	0. 064	0. 156	1. 65E-13	Neo-G	SNX8
ZNF12. 5	1. 12E-17	0. 274383	0. 189	0. 116	1. 67E-13	Neo-G	ZNF12
STK17A. 5	1. 16E-17	-0. 27833	0. 185	0. 306	1. 73E-13	Neo-G	STK17A
DHCR7. 6	1. 16E-17	-0. 24189	0. 088	0. 188	1. 74E-13	Neo-G	DHCR7
ZFP69	1. 17E-17	0. 105418	0. 049	0. 015	1. 75E-13	Neo-G	ZFP69
ST6GALNAC	1. 18E-17	-0. 2079	0. 049	0. 135	1. 76E-13	Neo-G	ST6GALNAC4
SLC38A6. 3	1. 19E-17	-0. 21629	0. 031	0. 108	1. 78E-13	Neo-G	SLC38A6
ZNF573. 4	1. 20E-17	0. 18313	0. 117	0. 057	1. 79E-13	Neo-G	ZNF573
ARL1. 3	1. 22E-17	-0. 3238	0. 201	0. 327	1. 82E-13	Neo-G	ARL1
DIS3. 3	1. 27E-17	0. 22658	0. 222	0. 142	1. 89E-13	Neo-G	DIS3
CEP70. 4	1. 28E-17	0. 242806	0. 159	0. 09	1. 91E-13	Neo-G	CEP70
CTD-2090I	1. 30E-17	-0. 5024	0. 002	0. 059	1. 95E-13	Neo-G	CTD-2090I13. 1
COBL. 5	1. 31E-17	0. 244819	0. 121	0. 061	1. 95E-13	Neo-G	COBL
RP11-436D	1. 31E-17	0. 139914	0. 043	0. 012	1. 96E-13	Neo-G	RP11-436D23. 1
PURA. 5	1. 33E-17	0. 262921	0. 279	0. 199	1. 98E-13	Neo-G	PURA
GIMAP7. 4	1. 36E-17	-0. 29199	0. 003	0. 061	2. 03E-13	Neo-G	GIMAP7
TCERG1. 4	1. 37E-17	0. 243314	0. 279	0. 195	2. 04E-13	Neo-G	TCERG1
TANGO2. 7	1. 43E-17	-0. 22528	0. 022	0. 093	2. 14E-13	Neo-G	TANGO2
KCNN2. 4	1. 45E-17	0. 191684	0. 076	0. 031	2. 16E-13	Neo-G	KCNN2
PTPN13. 5	1. 50E-17	-0. 12728	0. 026	0. 101	2. 24E-13	Neo-G	PTPN13
PTPN7. 7	1. 54E-17	-0. 3137	0. 018	0. 086	2. 30E-13	Neo-G	PTPN7
HPSE. 6	1. 54E-17	-0. 26899	0. 005	0. 065	2. 31E-13	Neo-G	HPSE
RAB27A. 5	1. 55E-17	-0. 24128	0. 017	0. 085	2. 32E-13	Neo-G	RAB27A
TXLNG. 4	1. 56E-17	0. 213654	0. 203	0. 125	2. 33E-13	Neo-G	TXLNG
USP18	1. 59E-17	-0. 17566	0. 007	0. 068	2. 38E-13	Neo-G	USP18
TOM1L1. 4	1. 60E-17	-0. 10951	0. 005	0. 064	2. 39E-13	Neo-G	TOM1L1
PLGRKT. 3	1. 62E-17	0. 161913	0. 349	0. 257	2. 42E-13	Neo-G	PLGRKT
ACER3. 6	1. 63E-17	-0. 29146	0. 096	0. 196	2. 44E-13	Neo-G	ACER3
DENND1B. 4	1. 66E-17	0. 217142	0. 153	0. 084	2. 48E-13	Neo-G	DENND1B
GAS6. 6	1. 68E-17	-0. 33051	0. 117	0. 215	2. 50E-13	Neo-G	GAS6
PLCD3. 3	1. 68E-17	-0. 11527	0. 01	0. 074	2. 51E-13	Neo-G	PLCD3
GBA. 3	1. 70E-17	-0. 26591	0. 053	0. 14	2. 54E-13	Neo-G	GBA
MPI. 1	1. 72E-17	-0. 25236	0. 055	0. 142	2. 57E-13	Neo-G	MPI
ZNF786. 5	1. 72E-17	0. 198735	0. 126	0. 065	2. 58E-13	Neo-G	ZNF786
CHMP1A. 3	1. 73E-17	0. 239604	0. 345	0. 265	2. 59E-13	Neo-G	CHMP1A
TMEM38B. 2	1. 73E-17	-0. 28835	0. 08	0. 176	2. 59E-13	Neo-G	TMEM38B
TPT1-AS1. 1	1. 76E-17	0. 244359	0. 207	0. 131	2. 63E-13	Neo-G	TPT1-AS1
HEATR5A. 2	1. 80E-17	-0. 18847	0. 019	0. 088	2. 69E-13	Neo-G	HEATR5A
MYEF2. 6	1. 81E-17	0. 30978	0. 26	0. 185	2. 70E-13	Neo-G	MYEF2
IWS1. 3	1. 84E-17	0. 243214	0. 286	0. 204	2. 75E-13	Neo-G	IWS1
DCPS. 3	1. 93E-17	-0. 21323	0. 082	0. 182	2. 89E-13	Neo-G	DCPS
LRRC73	1. 94E-17	0. 160359	0. 074	0. 03	2. 90E-13	Neo-G	LRRC73

DOCK5. 7	1. 96E-17	-0. 27471	0. 004	0. 061	2. 92E-13	Neo-G	DOCK5
PARD6A. 3	1. 99E-17	0. 246061	0. 154	0. 087	2. 97E-13	Neo-G	PARD6A
SNAPC1. 3	2. 04E-17	-0. 28593	0. 097	0. 199	3. 05E-13	Neo-G	SNAPC1
TMOD3. 5	2. 06E-17	-0. 19412	0. 062	0. 154	3. 07E-13	Neo-G	TMOD3
ZNF346	2. 06E-17	0. 174214	0. 123	0. 062	3. 08E-13	Neo-G	ZNF346
REL. 7	2. 06E-17	-0. 39202	0. 207	0. 309	3. 09E-13	Neo-G	REL
RGS18. 7	2. 09E-17	-0. 25424	0. 002	0. 058	3. 13E-13	Neo-G	RGS18
NPM3. 4	2. 19E-17	-0. 29073	0. 119	0. 229	3. 27E-13	Neo-G	NPM3
C15orf48.	2. 23E-17	-0. 33157	0. 013	0. 076	3. 33E-13	Neo-G	C15orf48
PFKM. 3	2. 26E-17	0. 231814	0. 256	0. 175	3. 37E-13	Neo-G	PFKM
MPP5. 4	2. 31E-17	-0. 16855	0. 028	0. 104	3. 45E-13	Neo-G	MPP5
KIAA0907.	2. 35E-17	0. 221267	0. 27	0. 185	3. 52E-13	Neo-G	KIAA0907
PUM1. 4	2. 39E-17	0. 223143	0. 312	0. 228	3. 57E-13	Neo-G	PUM1
LRRC8A. 6	2. 50E-17	0. 21024	0. 243	0. 159	3. 73E-13	Neo-G	LRRC8A
EVA1C. 6	2. 78E-17	-0. 1416	0. 013	0. 079	4. 15E-13	Neo-G	EVA1C
KISS1	2. 79E-17	0. 101836	0. 023	0. 004	4. 17E-13	Neo-G	KISS1
DCAF13. 4	2. 91E-17	0. 155392	0. 4	0. 308	4. 35E-13	Neo-G	DCAF13
NDUFA3. 2	2. 99E-17	-0. 28174	0. 603	0. 654	4. 46E-13	Neo-G	NDUFA3
PDIA5. 2	3. 02E-17	-0. 17181	0. 013	0. 077	4. 51E-13	Neo-G	PDIA5
GTSE1. 5	3. 06E-17	-0. 19677	0. 005	0. 064	4. 58E-13	Neo-G	GTSE1
TEAD4. 4	3. 09E-17	-0. 10326	0. 002	0. 058	4. 62E-13	Neo-G	TEAD4
PCSK5	3. 10E-17	-0. 14503	0. 006	0. 066	4. 63E-13	Neo-G	PCSK5
PNPLA2. 4	3. 10E-17	-0. 2104	0. 115	0. 224	4. 63E-13	Neo-G	PNPLA2
FLI1. 7	3. 12E-17	-0. 24989	0. 002	0. 058	4. 66E-13	Neo-G	FLI1
RAB10. 2	3. 21E-17	0. 126812	0. 579	0. 486	4. 79E-13	Neo-G	RAB10
ANK2. 7	3. 22E-17	0. 286165	0. 231	0. 156	4. 81E-13	Neo-G	ANK2
TPM4. 5	3. 22E-17	-0. 2996	0. 423	0. 506	4. 81E-13	Neo-G	TPM4
CKS1B. 3	3. 24E-17	-0. 33984	0. 159	0. 271	4. 84E-13	Neo-G	CKS1B
THBS1. 6	3. 30E-17	-0. 39465	0. 02	0. 088	4. 93E-13	Neo-G	THBS1
RGS16. 5	3. 34E-17	-0. 36209	0. 174	0. 288	4. 99E-13	Neo-G	RGS16
PTGDS. 4	3. 38E-17	-0. 74745	0. 09	0. 18	5. 05E-13	Neo-G	PTGDS
DRAM1. 4	3. 52E-17	-0. 18473	0. 015	0. 08	5. 26E-13	Neo-G	DRAM1
FAM184B. 3	3. 57E-17	-0. 23063	0. 038	0. 117	5. 33E-13	Neo-G	FAM184B
SLC35D2. 3	3. 75E-17	-0. 14514	0. 032	0. 109	5. 61E-13	Neo-G	SLC35D2
MKI67. 6	3. 79E-17	-0. 23369	0. 009	0. 069	5. 67E-13	Neo-G	MKI67
ARSG. 2	3. 81E-17	-0. 21	0. 023	0. 093	5. 70E-13	Neo-G	ARSG
LPAR1. 2	3. 81E-17	-0. 17299	0. 001	0. 055	5. 70E-13	Neo-G	LPAR1
COX14. 4	3. 90E-17	-0. 36284	0. 342	0. 474	5. 83E-13	Neo-G	COX14
GRIK2	3. 93E-17	0. 136491	0. 071	0. 027	5. 87E-13	Neo-G	GRIK2
CHRNA9. 4	3. 94E-17	-0. 1377	0. 001	0. 055	5. 88E-13	Neo-G	CHRNA9
DHX9. 4	3. 99E-17	0. 212679	0. 354	0. 269	5. 96E-13	Neo-G	DHX9
SPTBN4	4. 30E-17	0. 151553	0. 058	0. 02	6. 43E-13	Neo-G	SPTBN4
EIF3D. 6	4. 66E-17	-0. 2859	0. 355	0. 491	6. 97E-13	Neo-G	EIF3D
ARHGAP26.	4. 68E-17	-0. 26687	0. 027	0. 099	7. 00E-13	Neo-G	ARHGAP26
C21orf59.	4. 83E-17	0. 174817	0. 393	0. 307	7. 22E-13	Neo-G	C21orf59
TARDBP. 2	4. 83E-17	0. 202187	0. 369	0. 285	7. 22E-13	Neo-G	TARDBP
CDIPT. 2	4. 84E-17	0. 222052	0. 361	0. 276	7. 23E-13	Neo-G	CDIPT
DDB2. 2	4. 86E-17	-0. 27827	0. 029	0. 102	7. 26E-13	Neo-G	DDB2
CRYL1. 1	4. 86E-17	-0. 33142	0. 2	0. 323	7. 26E-13	Neo-G	CRYL1
VKORC1. 3	4. 92E-17	-0. 34863	0. 387	0. 509	7. 35E-13	Neo-G	VKORC1
SLC39A8. 6	4. 93E-17	-0. 20892	0. 006	0. 065	7. 37E-13	Neo-G	SLC39A8

DNTTIP2.2	5.33E-17	0.165478	0.372	0.276	7.96E-13	Neo-G	DNTTIP2
CLN6.5	5.42E-17	-0.21299	0.053	0.139	8.10E-13	Neo-G	CLN6
LRR1.3	5.43E-17	-0.20327	0.024	0.094	8.11E-13	Neo-G	LRR1
MAML2.6	5.50E-17	-0.20262	0.104	0.209	8.22E-13	Neo-G	MAML2
SFRP1.6	5.52E-17	-0.14703	0.031	0.106	8.25E-13	Neo-G	SFRP1
ZNF286B	5.55E-17	0.169165	0.076	0.031	8.29E-13	Neo-G	ZNF286B
UBL3.7	5.69E-17	-0.24375	0.236	0.368	8.50E-13	Neo-G	UBL3
SCAPER.2	5.71E-17	0.193113	0.178	0.105	8.53E-13	Neo-G	SCAPER
C12orf73.	5.73E-17	0.240721	0.222	0.146	8.57E-13	Neo-G	C12orf73
ZNF880.3	5.82E-17	0.243187	0.212	0.137	8.69E-13	Neo-G	ZNF880
COL18A1.2	5.88E-17	-0.14548	0.003	0.059	8.79E-13	Neo-G	COL18A1
SCARA3.6	5.89E-17	-0.14934	0.057	0.147	8.81E-13	Neo-G	SCARA3
HEY2.3	5.93E-17	-0.12389	0.009	0.071	8.86E-13	Neo-G	HEY2
C15orf40.	6.00E-17	-0.26362	0.076	0.171	8.97E-13	Neo-G	C15orf40
SLC2A10.4	6.00E-17	-0.10952	0.009	0.071	8.97E-13	Neo-G	SLC2A10
SNRPD2.4	6.06E-17	-0.31984	0.735	0.749	9.06E-13	Neo-G	SNRPD2
SNRNP35.2	6.10E-17	0.19236	0.272	0.187	9.11E-13	Neo-G	SNRNP35
CCNY.4	6.14E-17	-0.1868	0.038	0.117	9.17E-13	Neo-G	CCNY
PLA2G7.5	6.16E-17	-0.22256	0.002	0.057	9.20E-13	Neo-G	PLA2G7
ZMYND15.4	6.39E-17	-0.18128	0.005	0.063	9.55E-13	Neo-G	ZMYND15
TMEM255B.	6.49E-17	-0.29268	0.005	0.061	9.69E-13	Neo-G	TMEM255B
ISCA2.3	6.63E-17	-0.27458	0.171	0.295	9.90E-13	Neo-G	ISCA2
RP11-698N	6.69E-17	-0.16308	0.006	0.064	1.00E-12	Neo-G	RP11-698N11.2
BOD1L1.2	6.73E-17	0.223797	0.231	0.151	1.01E-12	Neo-G	BOD1L1
GNGT2.7	6.91E-17	-0.24528	0.003	0.058	1.03E-12	Neo-G	GNGT2
ETF1.6	6.99E-17	-0.3248	0.236	0.359	1.05E-12	Neo-G	ETF1
TYK2.1	7.41E-17	-0.17662	0.046	0.129	1.11E-12	Neo-G	TYK2
SNRNP27.3	7.54E-17	0.163246	0.424	0.343	1.13E-12	Neo-G	SNRNP27
GMCL1.4	7.63E-17	0.258534	0.227	0.15	1.14E-12	Neo-G	GMCL1
LRIG1.6	7.63E-17	-0.15195	0.038	0.117	1.14E-12	Neo-G	LRIG1
PRR3.4	7.65E-17	0.230085	0.163	0.095	1.14E-12	Neo-G	PRR3
COL5A2.5	7.67E-17	-0.10341	0.009	0.069	1.15E-12	Neo-G	COL5A2
RPP14.4	7.68E-17	0.249283	0.257	0.178	1.15E-12	Neo-G	RPP14
SWI5.5	7.78E-17	-0.24016	0.14	0.258	1.16E-12	Neo-G	SWI5
RP11-834C	7.84E-17	0.143762	0.162	0.089	1.17E-12	Neo-G	RP11-834C11.4
CHCHD7.6	8.02E-17	-0.34811	0.186	0.298	1.20E-12	Neo-G	CHCHD7
POM121C.4	8.19E-17	0.238752	0.207	0.132	1.22E-12	Neo-G	POM121C
TYRO3.6	8.29E-17	-0.16364	0.038	0.118	1.24E-12	Neo-G	TYRO3
MGMT.7	8.30E-17	-0.36155	0.073	0.161	1.24E-12	Neo-G	MGMT
RBM28.4	8.37E-17	0.222845	0.234	0.154	1.25E-12	Neo-G	RBM28
ARMC10.4	9.22E-17	0.245	0.366	0.288	1.38E-12	Neo-G	ARMC10
BMP7.7	9.69E-17	-0.14985	0.079	0.176	1.45E-12	Neo-G	BMP7
PTPN14.2	9.73E-17	-0.15411	0.013	0.075	1.45E-12	Neo-G	PTPN14
BEST1.4	1.00E-16	-0.39781	0.18	0.286	1.50E-12	Neo-G	BEST1
KIFC1.5	1.00E-16	-0.18743	0.007	0.065	1.50E-12	Neo-G	KIFC1
PGK1.4	1.01E-16	-0.33795	0.727	0.757	1.51E-12	Neo-G	PGK1
AP001372.	1.04E-16	0.16814	0.092	0.041	1.55E-12	Neo-G	AP001372.2
CNN2.5	1.06E-16	-0.2098	0.012	0.073	1.59E-12	Neo-G	CNN2
SORD.2	1.07E-16	-0.18651	0.027	0.1	1.60E-12	Neo-G	SORD
FTL.7	1.09E-16	-0.31727	1	0.993	1.63E-12	Neo-G	FTL
FLVCR1.2	1.10E-16	0.206309	0.134	0.071	1.64E-12	Neo-G	FLVCR1

PURG	1. 10E-16	0. 144385	0. 057	0. 02	1. 65E-12	Neo-G	PURG
ATF6B. 2	1. 11E-16	0. 163788	0. 46	0. 378	1. 65E-12	Neo-G	ATF6B
C19orf25.	1. 15E-16	0. 229156	0. 369	0. 291	1. 72E-12	Neo-G	C19orf25
GAS2L1. 5	1. 18E-16	-0. 13331	0. 068	0. 162	1. 76E-12	Neo-G	GAS2L1
MAP3K1. 2	1. 21E-16	-0. 16604	0. 031	0. 105	1. 80E-12	Neo-G	MAP3K1
ZNF527. 1	1. 21E-16	0. 131366	0. 089	0. 039	1. 81E-12	Neo-G	ZNF527
CHSY1. 2	1. 22E-16	-0. 17671	0. 027	0. 099	1. 82E-12	Neo-G	CHSY1
SOX21-AS1	1. 22E-16	-0. 1201	0. 01	0. 071	1. 82E-12	Neo-G	SOX21-AS1
ABL2. 7	1. 22E-16	-0. 37128	0. 174	0. 279	1. 83E-12	Neo-G	ABL2
ID1. 5	1. 23E-16	-0. 22199	0. 048	0. 129	1. 83E-12	Neo-G	ID1
CTIF. 1	1. 26E-16	0. 150801	0. 089	0. 039	1. 88E-12	Neo-G	CTIF
TFR2	1. 28E-16	0. 11297	0. 053	0. 017	1. 91E-12	Neo-G	TFR2
NDP. 5	1. 29E-16	-0. 20719	0. 041	0. 12	1. 93E-12	Neo-G	NDP
GRASP. 6	1. 29E-16	-0. 25728	0. 003	0. 057	1. 93E-12	Neo-G	GRASP
COMMD8. 7	1. 32E-16	-0. 31929	0. 13	0. 236	1. 97E-12	Neo-G	COMMD8
SEMA5A. 5	1. 32E-16	-0. 19018	0. 036	0. 112	1. 97E-12	Neo-G	SEMA5A
ARHGAP5. 4	1. 33E-16	-0. 19403	0. 101	0. 205	1. 99E-12	Neo-G	ARHGAP5
P2RY11. 5	1. 33E-16	-0. 23395	0. 025	0. 094	1. 99E-12	Neo-G	P2RY11
KATNB1. 4	1. 34E-16	0. 273285	0. 181	0. 112	2. 01E-12	Neo-G	KATNB1
TBC1D19. 3	1. 35E-16	0. 180048	0. 112	0. 055	2. 01E-12	Neo-G	TBC1D19
IFIH1. 1	1. 35E-16	-0. 14222	0. 001	0. 053	2. 02E-12	Neo-G	IFIH1
MMP19. 4	1. 36E-16	-0. 25389	0. 007	0. 064	2. 03E-12	Neo-G	MMP19
LMAN2. 3	1. 37E-16	-0. 3358	0. 488	0. 584	2. 04E-12	Neo-G	LMAN2
HAP1. 4	1. 44E-16	-0. 15579	0. 013	0. 075	2. 15E-12	Neo-G	HAP1
MTUS1. 4	1. 45E-16	0. 101659	0. 225	0. 138	2. 17E-12	Neo-G	MTUS1
POU4F1	1. 54E-16	0. 194568	0. 058	0. 021	2. 30E-12	Neo-G	POU4F1
FAM213A. 5	1. 55E-16	0. 10752	0. 469	0. 372	2. 31E-12	Neo-G	FAM213A
HS3ST1. 6	1. 57E-16	-0. 27483	0. 026	0. 095	2. 35E-12	Neo-G	HS3ST1
PCBD1. 3	1. 59E-16	-0. 28468	0. 217	0. 344	2. 38E-12	Neo-G	PCBD1
RAD51AP1. 1	1. 61E-16	-0. 18664	0. 012	0. 073	2. 41E-12	Neo-G	RAD51AP1
DPP6. 5	1. 62E-16	0. 225535	0. 232	0. 153	2. 42E-12	Neo-G	DPP6
RAB5A. 3	1. 63E-16	0. 114164	0. 529	0. 438	2. 44E-12	Neo-G	RAB5A
HERPUD2. 3	1. 65E-16	0. 23276	0. 245	0. 166	2. 46E-12	Neo-G	HERPUD2
NFKB2. 7	1. 66E-16	-0. 20683	0. 009	0. 067	2. 49E-12	Neo-G	NFKB2
ROGDI. 4	1. 66E-16	0. 205667	0. 302	0. 218	2. 49E-12	Neo-G	ROGDI
PROS1. 1	1. 85E-16	-0. 17888	0. 028	0. 1	2. 77E-12	Neo-G	PROS1
LINC0091C	1. 94E-16	0. 190209	0. 135	0. 072	2. 89E-12	Neo-G	LINC00910
HDDC2. 2	1. 95E-16	0. 129213	0. 477	0. 391	2. 91E-12	Neo-G	HDDC2
KLHL12. 3	1. 99E-16	0. 204694	0. 189	0. 116	2. 97E-12	Neo-G	KLHL12
ZNF408. 4	1. 99E-16	0. 198948	0. 13	0. 069	2. 98E-12	Neo-G	ZNF408
GCHFR. 6	2. 11E-16	-0. 28064	0. 019	0. 083	3. 16E-12	Neo-G	GCHFR
SNX14. 3	2. 14E-16	0. 230788	0. 282	0. 202	3. 20E-12	Neo-G	SNX14
MARCH2. 5	2. 21E-16	-0. 19904	0. 134	0. 245	3. 30E-12	Neo-G	2-Mar
TMEM178A. 2	2. 23E-16	0. 239114	0. 181	0. 111	3. 33E-12	Neo-G	TMEM178A
TRAF3IP3. 3	2. 23E-16	-0. 27013	0. 004	0. 058	3. 33E-12	Neo-G	TRAF3IP3
LRRK2. 6	2. 23E-16	-0. 21207	0. 009	0. 067	3. 33E-12	Neo-G	LRRK2
MANBAL. 7	2. 25E-16	0. 141037	0. 414	0. 325	3. 36E-12	Neo-G	MANBAL
NSMF. 3	2. 25E-16	0. 233735	0. 178	0. 109	3. 37E-12	Neo-G	NSMF
SIK3. 4	2. 30E-16	-0. 17737	0. 038	0. 114	3. 44E-12	Neo-G	SIK3
EPC1. 5	2. 35E-16	0. 180465	0. 367	0. 282	3. 51E-12	Neo-G	EPC1
PIRT	2. 37E-16	0. 102942	0. 031	0. 007	3. 54E-12	Neo-G	PIRT

CEP95.3	2.37E-16	0.221518	0.188	0.116	3.54E-12	Neo-G	CEP95
PLRG1.3	2.38E-16	0.190358	0.313	0.228	3.56E-12	Neo-G	PLRG1
HDLBP.3	2.40E-16	-0.25484	0.222	0.35	3.59E-12	Neo-G	HDLBP
LINC00094	2.46E-16	0.239748	0.191	0.121	3.68E-12	Neo-G	LINC00094
JDP2.7	2.51E-16	-0.26365	0.015	0.077	3.76E-12	Neo-G	JDP2
NDUFC1.5	2.53E-16	-0.35172	0.467	0.563	3.78E-12	Neo-G	NDUFC1
B4GALT3.3	2.60E-16	0.19445	0.29	0.209	3.88E-12	Neo-G	B4GALT3
PRSS27	2.60E-16	0.133978	0.068	0.026	3.88E-12	Neo-G	PRSS27
ZNF708.4	2.62E-16	0.223192	0.156	0.09	3.92E-12	Neo-G	ZNF708
TLK1.4	2.63E-16	-0.20097	0.13	0.24	3.93E-12	Neo-G	TLK1
CDKN2AIPN	2.71E-16	0.198788	0.319	0.24	4.05E-12	Neo-G	CDKN2AIPNL
PCK2.5	2.73E-16	-0.19761	0.014	0.076	4.08E-12	Neo-G	PCK2
AP006222.	2.76E-16	-0.29325	0.118	0.222	4.12E-12	Neo-G	AP006222.2
MAP2K3.7	2.77E-16	-0.24123	0.102	0.2	4.13E-12	Neo-G	MAP2K3
IGF2R.3	2.77E-16	-0.16737	0.031	0.104	4.13E-12	Neo-G	IGF2R
LYRM1.6	2.78E-16	0.214345	0.252	0.175	4.15E-12	Neo-G	LYRM1
CREBZF.6	2.88E-16	0.228134	0.196	0.123	4.31E-12	Neo-G	CREBZF
MAN1A1.6	2.89E-16	-0.2019	0.002	0.053	4.31E-12	Neo-G	MAN1A1
AMDHD2.5	2.89E-16	-0.17887	0.05	0.132	4.32E-12	Neo-G	AMDHD2
ACP5.5	2.89E-16	-0.23299	0.002	0.053	4.33E-12	Neo-G	ACP5
CTD-3138E	2.92E-16	-0.16058	0.021	0.088	4.37E-12	Neo-G	CTD-3138B18.5
RHOT1.5	2.95E-16	0.23984	0.317	0.24	4.41E-12	Neo-G	RHOT1
ACHE.4	2.99E-16	0.204912	0.086	0.038	4.47E-12	Neo-G	ACHE
ABHD15.6	3.07E-16	-0.19491	0.007	0.064	4.59E-12	Neo-G	ABHD15
CXorf57	3.13E-16	0.111844	0.049	0.016	4.68E-12	Neo-G	CXorf57
NPRL2.4	3.15E-16	0.217795	0.227	0.149	4.70E-12	Neo-G	NPRL2
LRRC37A3	3.15E-16	0.122662	0.067	0.026	4.71E-12	Neo-G	LRRC37A3
TES.7	3.24E-16	-0.24524	0.001	0.052	4.84E-12	Neo-G	TES
GCAT.7	3.30E-16	-0.13672	0.077	0.171	4.94E-12	Neo-G	GCAT
EPS15.3	3.34E-16	-0.23324	0.071	0.16	4.99E-12	Neo-G	EPS15
REV3L.4	3.45E-16	0.220089	0.283	0.2	5.15E-12	Neo-G	REV3L
FAM172A.5	3.47E-16	0.219675	0.266	0.188	5.19E-12	Neo-G	FAM172A
MFAP3L.5	3.50E-16	-0.12548	0.005	0.061	5.23E-12	Neo-G	MFAP3L
PNRC1.7	3.59E-16	0.145298	0.645	0.527	5.36E-12	Neo-G	PNRC1
TBX5	3.62E-16	0.105796	0.038	0.01	5.42E-12	Neo-G	TBX5
ARL4A	3.66E-16	-0.37424	0.273	0.386	5.47E-12	Neo-G	ARL4A
GPRC5B.5	3.90E-16	-0.22996	0.122	0.23	5.82E-12	Neo-G	GPRC5B
FMNL3.5	3.91E-16	-0.23691	0.02	0.084	5.84E-12	Neo-G	FMNL3
TBC1D24.5	3.92E-16	0.221005	0.123	0.065	5.86E-12	Neo-G	TBC1D24
EEF1G.1	4.20E-16	-0.34422	0.038	0.111	6.28E-12	Neo-G	EEF1G
CHST10.4	4.32E-16	0.25266	0.202	0.132	6.45E-12	Neo-G	CHST10
PDGFB.4	4.53E-16	-0.24428	0.001	0.051	6.77E-12	Neo-G	PDGFB
ZMIZ2.4	4.56E-16	0.204893	0.159	0.092	6.82E-12	Neo-G	ZMIZ2
IMPA2.4	4.57E-16	-0.16721	0.009	0.066	6.84E-12	Neo-G	IMPA2
PHACTR1.7	4.67E-16	-0.4146	0.051	0.126	6.97E-12	Neo-G	PHACTR1
STAC3.7	4.68E-16	-0.2594	0.021	0.086	6.99E-12	Neo-G	STAC3
ZNF568.5	4.81E-16	0.186383	0.158	0.091	7.18E-12	Neo-G	ZNF568
KRIT1.6	4.91E-16	0.225632	0.286	0.208	7.34E-12	Neo-G	KRIT1
WDSUB1.2	4.94E-16	0.176152	0.13	0.069	7.38E-12	Neo-G	WDSUB1
IFT27.5	4.99E-16	0.252263	0.324	0.248	7.46E-12	Neo-G	IFT27
DOK3.7	5.11E-16	-0.22818	0.013	0.072	7.64E-12	Neo-G	DOK3

H2AFV. 5	5. 18E-16	0. 115274	0. 625	0. 51	7. 74E-12	Neo-G	H2AFV
GTF2IRD1. 5	5. 23E-16	0. 189443	0. 132	0. 071	7. 82E-12	Neo-G	GTF2IRD1
NUF2. 7	5. 26E-16	-0. 204	0. 01	0. 068	7. 86E-12	Neo-G	NUF2
FIG4. 2	5. 27E-16	0. 198073	0. 166	0. 098	7. 88E-12	Neo-G	FIG4
RNF8. 4	5. 31E-16	0. 224552	0. 233	0. 159	7. 94E-12	Neo-G	RNF8
HNRNPH2. 3	5. 46E-16	0. 112328	0. 48	0. 39	8. 15E-12	Neo-G	HNRNPH2
TMEM154	5. 51E-16	-0. 19296	0. 005	0. 06	8. 24E-12	Neo-G	TMEM154
SHMT1. 5	5. 53E-16	-0. 24961	0. 048	0. 126	8. 26E-12	Neo-G	SHMT1
WBP4. 5	5. 63E-16	0. 161644	0. 379	0. 296	8. 41E-12	Neo-G	WBP4
ZNF554	5. 83E-16	0. 129772	0. 079	0. 033	8. 71E-12	Neo-G	ZNF554
CSF1. 5	5. 91E-16	-0. 15792	0. 031	0. 102	8. 82E-12	Neo-G	CSF1
CROCC	5. 99E-16	0. 146482	0. 068	0. 027	8. 95E-12	Neo-G	CROCC
UBTF. 5	6. 01E-16	0. 252711	0. 294	0. 218	8. 99E-12	Neo-G	UBTF
MORC2. 2	6. 08E-16	0. 19039	0. 108	0. 054	9. 08E-12	Neo-G	MORC2
LONP2. 5	6. 09E-16	0. 199774	0. 324	0. 239	9. 10E-12	Neo-G	LONP2
SERPINB8. 6	6. 09E-16	-0. 21303	0. 02	0. 085	9. 11E-12	Neo-G	SERPINB8
PCGF2. 5	6. 12E-16	0. 271213	0. 225	0. 155	9. 15E-12	Neo-G	PCGF2
MTFP1. 3	6. 25E-16	-0. 18791	0. 013	0. 074	9. 33E-12	Neo-G	MTFP1
SH3BP5L. 1	6. 27E-16	0. 191692	0. 108	0. 054	9. 37E-12	Neo-G	SH3BP5L
EIF3J. 3	6. 39E-16	-0. 27938	0. 265	0. 391	9. 55E-12	Neo-G	EIF3J
POC1A. 4	6. 40E-16	-0. 14939	0. 007	0. 063	9. 56E-12	Neo-G	POC1A
SDC3. 3	6. 50E-16	-0. 24136	0. 106	0. 207	9. 72E-12	Neo-G	SDC3
FIP1L1. 3	6. 54E-16	0. 193306	0. 372	0. 288	9. 78E-12	Neo-G	FIP1L1
SUDS3. 5	6. 73E-16	0. 27392	0. 254	0. 18	1. 01E-11	Neo-G	SUDS3
PYURF. 3	6. 87E-16	0. 123021	0. 632	0. 53	1. 03E-11	Neo-G	PYURF
TNFRSF11E	6. 91E-16	-0. 21031	0. 005	0. 06	1. 03E-11	Neo-G	TNFRSF11B
SLC35B1. 2	7. 05E-16	0. 131092	0. 469	0. 381	1. 05E-11	Neo-G	SLC35B1
PPIF. 7	7. 09E-16	-0. 30359	0. 135	0. 231	1. 06E-11	Neo-G	PPIF
NEU1. 4	7. 11E-16	-0. 28986	0. 19	0. 305	1. 06E-11	Neo-G	NEU1
MAP2K7. 3	7. 12E-16	0. 261024	0. 262	0. 188	1. 06E-11	Neo-G	MAP2K7
DLG1. 6	7. 19E-16	-0. 19317	0. 082	0. 176	1. 07E-11	Neo-G	DLG1
APEX2. 3	7. 23E-16	-0. 19291	0. 031	0. 101	1. 08E-11	Neo-G	APEX2
ZIK1. 3	7. 30E-16	0. 170145	0. 097	0. 046	1. 09E-11	Neo-G	ZIK1
RP11-480C	7. 33E-16	-0. 29362	0. 002	0. 053	1. 10E-11	Neo-G	RP11-480C22. 1
CCDC47. 3	7. 60E-16	-0. 27466	0. 291	0. 418	1. 14E-11	Neo-G	CCDC47
KLC4. 3	7. 72E-16	0. 208611	0. 138	0. 077	1. 15E-11	Neo-G	KLC4
RNASEH1-A	7. 82E-16	0. 305032	0. 241	0. 17	1. 17E-11	Neo-G	RNASEH1-AS1
ZNF766. 3	8. 00E-16	0. 225711	0. 189	0. 118	1. 20E-11	Neo-G	ZNF766
SSSCA1. 2	8. 07E-16	-0. 25169	0. 1	0. 198	1. 21E-11	Neo-G	SSSCA1
ANP32E. 5	8. 20E-16	-0. 2583	0. 169	0. 28	1. 23E-11	Neo-G	ANP32E
HSD17B8. 1	8. 21E-16	-0. 17708	0. 033	0. 105	1. 23E-11	Neo-G	HSD17B8
PLAA. 3	8. 23E-16	0. 177355	0. 153	0. 087	1. 23E-11	Neo-G	PLAA
C1QTNF2	8. 28E-16	0. 154276	0. 051	0. 017	1. 24E-11	Neo-G	C1QTNF2
POLDIP2. 6	8. 35E-16	0. 196927	0. 422	0. 338	1. 25E-11	Neo-G	POLDIP2
KDM5A. 2	8. 40E-16	0. 239573	0. 316	0. 239	1. 26E-11	Neo-G	KDM5A
SEMA6D. 7	8. 72E-16	-0. 21391	0. 079	0. 166	1. 30E-11	Neo-G	SEMA6D
RHCE	8. 72E-16	0. 109566	0. 044	0. 013	1. 30E-11	Neo-G	RHCE
AURKA. 4	8. 79E-16	-0. 21365	0. 02	0. 084	1. 31E-11	Neo-G	AURKA
PLCG2. 4	8. 81E-16	-0. 24039	0. 002	0. 053	1. 32E-11	Neo-G	PLCG2
PPARD. 7	8. 98E-16	-0. 2232	0. 042	0. 116	1. 34E-11	Neo-G	PPARD
PSMG3. 6	9. 01E-16	0. 168458	0. 4	0. 318	1. 35E-11	Neo-G	PSMG3



GIMAP5. 5	9. 11E-16	-0. 23601	0. 004	0. 056	1. 36E-11	Neo-G	GIMAP5
VPS4A. 3	9. 54E-16	0. 201265	0. 376	0. 299	1. 43E-11	Neo-G	VPS4A
NTRK2. 6	9. 58E-16	-0. 38768	0. 053	0. 129	1. 43E-11	Neo-G	NTRK2
CCDC109B. 9.	67E-16	0. 222957	0. 419	0. 34	1. 45E-11	Neo-G	CCDC109B
RNF7. 3	1. 02E-15	-0. 34535	0. 441	0. 543	1. 53E-11	Neo-G	RNF7
RP11-111M	1. 03E-15	0. 145212	0. 084	0. 037	1. 53E-11	Neo-G	RP11-111M2. 2
UBAP2. 1	1. 04E-15	0. 198068	0. 148	0. 084	1. 55E-11	Neo-G	UBAP2
LRWD1. 4	1. 04E-15	0. 259717	0. 234	0. 162	1. 56E-11	Neo-G	LRWD1
FOS. 5	1. 07E-15	-0. 31707	0. 844	0. 84	1. 60E-11	Neo-G	FOS
CLECL1. 6	1. 10E-15	-0. 20754	0. 002	0. 053	1. 65E-11	Neo-G	CLECL1
RDX. 6	1. 10E-15	0. 120923	0. 608	0. 476	1. 65E-11	Neo-G	RDX
ZNF273. 5	1. 11E-15	0. 170804	0. 141	0. 077	1. 66E-11	Neo-G	ZNF273
SNX20. 6	1. 11E-15	-0. 19681	0. 001	0. 05	1. 66E-11	Neo-G	SNX20
CERCAM. 5	1. 14E-15	-0. 18723	0. 056	0. 138	1. 70E-11	Neo-G	CERCAM
FAM20A. 6	1. 15E-15	-0. 2249	0. 009	0. 066	1. 72E-11	Neo-G	FAM20A
GPRASP1	1. 16E-15	0. 10213	0. 057	0. 02	1. 73E-11	Neo-G	GPRASP1
DOCK1. 1	1. 17E-15	-0. 12621	0. 005	0. 058	1. 75E-11	Neo-G	DOCK1
INSIG1. 6	1. 18E-15	-0. 30788	0. 138	0. 238	1. 76E-11	Neo-G	INSIG1
PDLIM4. 5	1. 19E-15	-0. 29809	0. 018	0. 079	1. 77E-11	Neo-G	PDLIM4
C6orf203. 1.	19E-15	0. 193705	0. 233	0. 157	1. 78E-11	Neo-G	C6orf203
VTA1. 2	1. 20E-15	0. 210802	0. 252	0. 176	1. 79E-11	Neo-G	VTA1
F11R. 6	1. 21E-15	-0. 22173	0. 008	0. 063	1. 80E-11	Neo-G	F11R
TMEM170A. 1.	22E-15	-0. 24177	0. 15	0. 263	1. 82E-11	Neo-G	TMEM170A
PIK3R5. 6	1. 24E-15	-0. 21234	0. 002	0. 053	1. 85E-11	Neo-G	PIK3R5
SIGIRR. 6	1. 26E-15	-0. 28538	0. 11	0. 206	1. 88E-11	Neo-G	SIGIRR
INTS8. 1	1. 27E-15	0. 209964	0. 148	0. 084	1. 90E-11	Neo-G	INTS8
DDX55. 4	1. 28E-15	0. 201133	0. 18	0. 11	1. 92E-11	Neo-G	DDX55
BACE2. 6	1. 31E-15	-0. 15493	0. 006	0. 06	1. 96E-11	Neo-G	BACE2
HBS1L. 4	1. 37E-15	0. 219202	0. 259	0. 183	2. 04E-11	Neo-G	HBS1L
RNH1. 4	1. 40E-15	-0. 31587	0. 439	0. 55	2. 10E-11	Neo-G	RNH1
HTRA2. 2	1. 41E-15	0. 2194	0. 295	0. 216	2. 11E-11	Neo-G	HTRA2
RP11-545E	1. 42E-15	-0. 1398	0. 004	0. 056	2. 11E-11	Neo-G	RP11-545E17. 3
CCDC57. 7	1. 42E-15	-0. 25211	0. 042	0. 115	2. 12E-11	Neo-G	CCDC57
NDUFA7. 5	1. 42E-15	-0. 4334	0	0. 048	2. 13E-11	Neo-G	NDUFA7
ZCCHC7. 4	1. 42E-15	0. 237834	0. 207	0. 135	2. 13E-11	Neo-G	ZCCHC7
ARPP21. 5	1. 43E-15	0. 179006	0. 095	0. 045	2. 13E-11	Neo-G	ARPP21
OSER1-AS1	1. 43E-15	0. 220846	0. 194	0. 124	2. 14E-11	Neo-G	OSER1-AS1
WIPF3. 6	1. 44E-15	0. 16512	0. 152	0. 085	2. 15E-11	Neo-G	WIPF3
IQSEC1. 2	1. 45E-15	-0. 17438	0. 014	0. 074	2. 16E-11	Neo-G	IQSEC1
SYT6. 3	1. 46E-15	0. 142181	0. 096	0. 045	2. 18E-11	Neo-G	SYT6
CDYL. 5	1. 49E-15	-0. 11987	0. 045	0. 123	2. 23E-11	Neo-G	CDYL
UBASH3B. 4	1. 53E-15	-0. 14633	0. 019	0. 082	2. 29E-11	Neo-G	UBASH3B
MYC. 4	1. 54E-15	-0. 38481	0. 092	0. 179	2. 30E-11	Neo-G	MYC
KIF3B. 7	1. 56E-15	0. 276826	0. 189	0. 123	2. 33E-11	Neo-G	KIF3B
MATN2. 4	1. 56E-15	-0. 16372	0. 013	0. 073	2. 34E-11	Neo-G	MATN2
FOXG1. 6	1. 59E-15	0. 274954	0. 214	0. 146	2. 38E-11	Neo-G	FOXG1
USP5. 2	1. 60E-15	0. 223688	0. 292	0. 216	2. 39E-11	Neo-G	USP5
DYRK4. 2	1. 60E-15	-0. 26168	0. 124	0. 228	2. 40E-11	Neo-G	DYRK4
ARPC3. 5	1. 64E-15	-0. 28609	0. 812	0. 803	2. 46E-11	Neo-G	ARPC3
FIGN. 5	1. 71E-15	-0. 11911	0. 027	0. 095	2. 55E-11	Neo-G	FIGN
CD300LF. 5	1. 72E-15	-0. 20192	0. 002	0. 051	2. 56E-11	Neo-G	CD300LF

TRIM5	1.77E-15	-0.13001	0.005	0.057	2.65E-11	Neo-G	TRIM5
BCL3.4	1.77E-15	-0.14872	0.02	0.084	2.65E-11	Neo-G	BCL3
NUBP2.3	1.79E-15	0.159324	0.449	0.373	2.67E-11	Neo-G	NUBP2
CENPQ.2	1.90E-15	-0.1552	0.035	0.106	2.84E-11	Neo-G	CENPQ
CMKLR1.5	1.91E-15	-0.22329	0.004	0.055	2.86E-11	Neo-G	CMKLR1
PLSCR4.4	1.92E-15	-0.13548	0.002	0.052	2.87E-11	Neo-G	PLSCR4
IRF5.7	1.93E-15	-0.24495	0.009	0.065	2.88E-11	Neo-G	IRF5
C6orf48.4	1.99E-15	-0.3184	0.573	0.656	2.97E-11	Neo-G	C6orf48
GPX4.4	2.01E-15	-0.23899	0.88	0.838	3.00E-11	Neo-G	GPX4
ZNF441.1	2.04E-15	0.169208	0.087	0.04	3.05E-11	Neo-G	ZNF441
COIL.4	2.12E-15	0.249247	0.25	0.177	3.16E-11	Neo-G	COIL
SAC3D1.7	2.12E-15	0.259157	0.233	0.162	3.17E-11	Neo-G	SAC3D1
MGAT4B.2	2.15E-15	-0.10527	0.038	0.112	3.22E-11	Neo-G	MGAT4B
NT5C.3	2.15E-15	-0.21249	0.209	0.334	3.22E-11	Neo-G	NT5C
RBM41.3	2.22E-15	0.184149	0.141	0.079	3.31E-11	Neo-G	RBM41
KLHDC10.4	2.24E-15	0.235779	0.191	0.123	3.35E-11	Neo-G	KLHDC10
ALG8.1	2.27E-15	-0.21756	0.093	0.189	3.39E-11	Neo-G	ALG8
BROX.4	2.28E-15	-0.21191	0.138	0.246	3.41E-11	Neo-G	BROX
BNIP3.5	2.33E-15	-0.30307	0.124	0.226	3.49E-11	Neo-G	BNIP3
PBK.7	2.34E-15	-0.27082	0.019	0.08	3.49E-11	Neo-G	PBK
PLEKHM2.1	2.34E-15	-0.17632	0.037	0.11	3.49E-11	Neo-G	PLEKHM2
CD2AP.3	2.36E-15	-0.14582	0.024	0.089	3.53E-11	Neo-G	CD2AP
GORASP2.3	2.37E-15	0.19824	0.361	0.284	3.54E-11	Neo-G	GORASP2
PACSIN2.7	2.41E-15	-0.22926	0.092	0.184	3.61E-11	Neo-G	PACSIN2
NDRG3.6	2.42E-15	0.238795	0.243	0.169	3.62E-11	Neo-G	NDRG3
TMEM140.3	2.50E-15	-0.199	0.003	0.053	3.73E-11	Neo-G	TMEM140
CBWD1.2	2.52E-15	0.115955	0.297	0.203	3.76E-11	Neo-G	CBWD1
IRAK4.2	2.53E-15	-0.19328	0.035	0.105	3.78E-11	Neo-G	IRAK4
WDR1.5	2.54E-15	-0.31094	0.312	0.427	3.80E-11	Neo-G	WDR1
RANGRF.1	2.55E-15	-0.2491	0.119	0.221	3.81E-11	Neo-G	RANGRF
MPEG1.5	2.61E-15	-0.19165	0	0.047	3.90E-11	Neo-G	MPEG1
RXR.1	2.65E-15	0.202986	0.234	0.158	3.96E-11	Neo-G	RXR
CD320.5	2.69E-15	0.17842	0.397	0.308	4.02E-11	Neo-G	CD320
CEP85L.3	2.69E-15	0.208575	0.173	0.106	4.02E-11	Neo-G	CEP85L
DENND2D.3	2.74E-15	-0.2085	0.002	0.05	4.10E-11	Neo-G	DENND2D
CD72.5	2.77E-15	-0.21064	0.005	0.056	4.14E-11	Neo-G	CD72
TBC1D9B.4	2.78E-15	-0.18067	0.079	0.17	4.15E-11	Neo-G	TBC1D9B
TFPI.2	2.83E-15	-0.15971	0.006	0.059	4.23E-11	Neo-G	TFPI
SPSB1.3	2.90E-15	-0.17435	0.016	0.075	4.34E-11	Neo-G	SPSB1
FAM98A.4	2.91E-15	0.214643	0.205	0.134	4.34E-11	Neo-G	FAM98A
THAP9-AS1	2.93E-15	0.197127	0.291	0.213	4.37E-11	Neo-G	THAP9-AS1
CTCF.4	3.00E-15	0.245738	0.227	0.156	4.49E-11	Neo-G	CTCF
CENPA.7	3.05E-15	-0.17568	0.004	0.055	4.55E-11	Neo-G	CENPA
KLHL6.6	3.07E-15	-0.25558	0.005	0.056	4.59E-11	Neo-G	KLHL6
RNFT2.5	3.08E-15	0.204273	0.118	0.063	4.60E-11	Neo-G	RNFT2
MAT2B	3.09E-15	-0.26966	0.112	0.209	4.62E-11	Neo-G	MAT2B
RIC8B.5	3.12E-15	0.216897	0.148	0.086	4.67E-11	Neo-G	RIC8B
TRPC1	3.14E-15	0.1308	0.054	0.019	4.69E-11	Neo-G	TRPC1
PPM1M.7	3.14E-15	-0.19313	0.02	0.081	4.69E-11	Neo-G	PPM1M
BCAT2.3	3.15E-15	-0.19914	0.064	0.148	4.71E-11	Neo-G	BCAT2
IL10RB-AS	3.30E-15	-0.22953	0.002	0.05	4.94E-11	Neo-G	IL10RB-AS1

SH3GLB1. 5	3. 49E-15	-0. 29662	0. 321	0. 443	5. 21E-11	Neo-G	SH3GLB1
SHCBP1. 4	3. 49E-15	-0. 15383	0. 006	0. 059	5. 22E-11	Neo-G	SHCBP1
STK38L. 4	3. 57E-15	-0. 26126	0. 075	0. 159	5. 34E-11	Neo-G	STK38L
SCARB1. 2	3. 61E-15	-0. 21746	0. 042	0. 116	5. 40E-11	Neo-G	SCARB1
RGS2. 5	3. 62E-15	-0. 54427	0. 42	0. 448	5. 41E-11	Neo-G	RGS2
YEATS4. 5	3. 64E-15	0. 201572	0. 327	0. 242	5. 43E-11	Neo-G	YEATS4
AKAP17A. 3	3. 73E-15	0. 216033	0. 235	0. 159	5. 58E-11	Neo-G	AKAP17A
MARCO. 4	3. 82E-15	-0. 38311	0. 01	0. 065	5. 71E-11	Neo-G	MARCO
PIGO. 1	3. 82E-15	-0. 15877	0. 019	0. 081	5. 72E-11	Neo-G	PIGO
MED27. 2	3. 82E-15	0. 21736	0. 215	0. 143	5. 72E-11	Neo-G	MED27
DUS4L. 4	3. 86E-15	0. 204929	0. 132	0. 073	5. 77E-11	Neo-G	DUS4L
CALU. 5	3. 91E-15	-0. 31593	0. 298	0. 416	5. 85E-11	Neo-G	CALU
CACNB4. 3	3. 94E-15	0. 200446	0. 143	0. 082	5. 89E-11	Neo-G	CACNB4
UACA. 2	4. 06E-15	-0. 12821	0. 014	0. 073	6. 07E-11	Neo-G	UACA
DDX52. 4	4. 15E-15	0. 228185	0. 308	0. 236	6. 20E-11	Neo-G	DDX52
DUT. 6	4. 30E-15	-0. 24226	0. 353	0. 467	6. 43E-11	Neo-G	DUT
ARID1A. 4	4. 38E-15	0. 228096	0. 31	0. 233	6. 55E-11	Neo-G	ARID1A
ADH5. 4	4. 59E-15	0. 107134	0. 463	0. 38	6. 85E-11	Neo-G	ADH5
PLCB3	4. 59E-15	-0. 11984	0. 009	0. 063	6. 87E-11	Neo-G	PLCB3
SAMD8. 2	4. 60E-15	-0. 19599	0. 068	0. 153	6. 87E-11	Neo-G	SAMD8
CLEC4A. 7	4. 62E-15	-0. 26443	0. 012	0. 067	6. 90E-11	Neo-G	CLEC4A
NVL. 4	4. 77E-15	0. 203749	0. 167	0. 101	7. 13E-11	Neo-G	NVL
FOXO1. 3	4. 81E-15	-0. 15932	0. 019	0. 08	7. 19E-11	Neo-G	FOXO1
PCBD2. 2	4. 92E-15	-0. 15753	0. 025	0. 09	7. 36E-11	Neo-G	PCBD2
CHERP. 3	4. 97E-15	0. 233491	0. 234	0. 16	7. 43E-11	Neo-G	CHERP
CCDC151. 4	5. 04E-15	-0. 22109	0. 013	0. 069	7. 53E-11	Neo-G	CCDC151
SCN1B. 4	5. 21E-15	-0. 20221	0. 017	0. 077	7. 78E-11	Neo-G	SCN1B
EGLN3. 3	5. 26E-15	-0. 22596	0. 013	0. 069	7. 86E-11	Neo-G	EGLN3
RSRC1. 2	5. 29E-15	0. 169367	0. 373	0. 296	7. 90E-11	Neo-G	RSRC1
SLC16A10. 5	5. 32E-15	-0. 36012	0. 03	0. 094	7. 95E-11	Neo-G	SLC16A10
GMPR. 1	5. 36E-15	-0. 13822	0. 024	0. 089	8. 01E-11	Neo-G	GMPR
MAP3K5. 2	5. 42E-15	-0. 15093	0. 005	0. 055	8. 09E-11	Neo-G	MAP3K5
HAUS4. 7	5. 44E-15	-0. 25743	0. 012	0. 067	8. 14E-11	Neo-G	HAUS4
LRRC8C. 6	5. 45E-15	-0. 17654	0. 01	0. 065	8. 14E-11	Neo-G	LRRC8C
ATG16L2. 6	5. 51E-15	-0. 23742	0. 029	0. 094	8. 23E-11	Neo-G	ATG16L2
ST3GAL6. 7	5. 52E-15	-0. 30855	0. 047	0. 119	8. 24E-11	Neo-G	ST3GAL6
UQCC2. 3	5. 54E-15	-0. 33535	0. 322	0. 439	8. 28E-11	Neo-G	UQCC2
GALNT10. 2	5. 59E-15	-0. 18147	0. 033	0. 102	8. 35E-11	Neo-G	GALNT10
CDH11. 5	5. 60E-15	-0. 13323	0. 046	0. 124	8. 37E-11	Neo-G	CDH11
SAMD10. 3	5. 74E-15	0. 194624	0. 102	0. 052	8. 58E-11	Neo-G	SAMD10
ZNF680. 5	5. 75E-15	0. 219074	0. 242	0. 166	8. 60E-11	Neo-G	ZNF680
CLYBL. 2	5. 83E-15	-0. 19087	0. 012	0. 068	8. 71E-11	Neo-G	CLYBL
MIR22HG. 5	5. 84E-15	-0. 28253	0. 047	0. 121	8. 72E-11	Neo-G	MIR22HG
TOP2A. 7	5. 85E-15	-0. 28782	0. 028	0. 093	8. 74E-11	Neo-G	TOP2A
RBP7. 3	5. 89E-15	-0. 24632	0. 002	0. 051	8. 80E-11	Neo-G	RBP7
MYOF. 4	5. 92E-15	-0. 18072	0. 002	0. 049	8. 85E-11	Neo-G	MYOF
ARIH2. 2	6. 09E-15	0. 19702	0. 319	0. 242	9. 11E-11	Neo-G	ARIH2
GNG10. 3	6. 14E-15	-0. 28824	0. 02	0. 08	9. 17E-11	Neo-G	GNG10
TMEM220. 5	6. 17E-15	-0. 17442	0. 016	0. 076	9. 22E-11	Neo-G	TMEM220
CCNA2. 6	6. 30E-15	-0. 17813	0. 009	0. 062	9. 41E-11	Neo-G	CCNA2
RP11-398K	6. 35E-15	0. 17792	0. 127	0. 07	9. 49E-11	Neo-G	RP11-398K22. 12

C19orf48.	6.40E-15	-0.22511	0.135	0.238	9.57E-11	Neo-G	C19orf48
RP11-22P6	6.45E-15	0.172692	0.084	0.038	9.64E-11	Neo-G	RP11-22P6.2
MAML1.5	6.52E-15	-0.24584	0.05	0.125	9.75E-11	Neo-G	MAML1
SFXN5.5	6.73E-15	-0.23945	0.102	0.199	1.01E-10	Neo-G	SFXN5
B3GNT5.7	6.82E-15	-0.26615	0.069	0.15	1.02E-10	Neo-G	B3GNT5
TRAF3IP2.	6.85E-15	-0.16645	0.034	0.103	1.02E-10	Neo-G	TRAF3IP2
TACC2.4	7.17E-15	0.189146	0.102	0.051	1.07E-10	Neo-G	TACC2
RRAGD.3	7.18E-15	-0.12758	0.057	0.138	1.07E-10	Neo-G	RRAGD
SGOL1.5	7.38E-15	-0.18662	0.009	0.063	1.10E-10	Neo-G	SGOL1
PSRC1.4	7.41E-15	-0.27192	0.167	0.276	1.11E-10	Neo-G	PSRC1
CCL5.4	7.63E-15	-0.37901	0.009	0.061	1.14E-10	Neo-G	CCL5
FOSB.5	7.67E-15	-0.38834	0.321	0.4	1.15E-10	Neo-G	FOSB
SP4.1	7.84E-15	0.15622	0.099	0.048	1.17E-10	Neo-G	SP4
ADAM17.4	7.90E-15	-0.22636	0.159	0.267	1.18E-10	Neo-G	ADAM17
TRPM2.7	8.08E-15	-0.22565	0.006	0.057	1.21E-10	Neo-G	TRPM2
PRKCB.6	8.14E-15	-0.17723	0.001	0.047	1.22E-10	Neo-G	PRKCB
CCPG1.3	8.26E-15	-0.22716	0.124	0.224	1.23E-10	Neo-G	CCPG1
FBXO4.1	8.37E-15	-0.224	0.046	0.119	1.25E-10	Neo-G	FBXO4
SYTL3.6	8.43E-15	-0.28936	0.014	0.07	1.26E-10	Neo-G	SYTL3
NAAA.7	8.44E-15	-0.23535	0.063	0.142	1.26E-10	Neo-G	NAAA
BRD2.3	8.52E-15	0.109926	0.534	0.444	1.27E-10	Neo-G	BRD2
FOSL1.2	8.55E-15	-0.11632	0.003	0.052	1.28E-10	Neo-G	FOSL1
NFATC2.4	8.75E-15	-0.20983	0.003	0.051	1.31E-10	Neo-G	NFATC2
BLOC1S1.4	8.76E-15	-0.32574	0.574	0.657	1.31E-10	Neo-G	BLOC1S1
SLC4A4.5	9.01E-15	-0.17903	0.043	0.116	1.35E-10	Neo-G	SLC4A4
POGZ.5	9.05E-15	0.239191	0.276	0.203	1.35E-10	Neo-G	POGZ
MYL5.1	9.05E-15	-0.15347	0.034	0.103	1.35E-10	Neo-G	MYL5
MOV10.1	9.07E-15	-0.14471	0.013	0.07	1.35E-10	Neo-G	MOV10
FLOT2.3	9.10E-15	-0.19585	0.101	0.196	1.36E-10	Neo-G	FLOT2
ARL3.3	9.42E-15	0.124738	0.418	0.338	1.41E-10	Neo-G	ARL3
B3GNT2.6	1.02E-14	-0.14131	0.015	0.073	1.53E-10	Neo-G	B3GNT2
GLI4.4	1.03E-14	0.238835	0.169	0.104	1.54E-10	Neo-G	GLI4
PSMD12.2	1.04E-14	0.142627	0.412	0.334	1.55E-10	Neo-G	PSMD12
ACTA2.3	1.07E-14	-0.19232	0.006	0.057	1.59E-10	Neo-G	ACTA2
ATP8B4.5	1.07E-14	-0.20195	0.002	0.048	1.60E-10	Neo-G	ATP8B4
PSTPIP2.4	1.08E-14	-0.15127	0.002	0.05	1.62E-10	Neo-G	PSTPIP2
FBXO41	1.09E-14	0.117674	0.049	0.017	1.63E-10	Neo-G	FBXO41
ARHGEF26.	1.10E-14	-0.13674	0.054	0.133	1.64E-10	Neo-G	ARHGEF26
KCNJ10.5	1.10E-14	-0.1794	0.006	0.057	1.65E-10	Neo-G	KCNJ10
FMNL1.7	1.11E-14	-0.3379	0.059	0.132	1.66E-10	Neo-G	FMNL1
SDS.7	1.13E-14	-0.32569	0.011	0.064	1.69E-10	Neo-G	SDS
MELK.3	1.15E-14	-0.13406	0.003	0.051	1.72E-10	Neo-G	MELK
LARS.3	1.16E-14	0.164725	0.408	0.333	1.73E-10	Neo-G	LARS
MEF2C.7	1.16E-14	-0.37554	0.201	0.293	1.73E-10	Neo-G	MEF2C
AURKB.6	1.17E-14	-0.1809	0.005	0.054	1.74E-10	Neo-G	AURKB
CASP8.6	1.17E-14	-0.19174	0.004	0.053	1.75E-10	Neo-G	CASP8
CHCHD5.2	1.21E-14	-0.29804	0.26	0.386	1.80E-10	Neo-G	CHCHD5
TTC38.2	1.21E-14	-0.1878	0.03	0.096	1.81E-10	Neo-G	TTC38
ERICH1.4	1.22E-14	0.201173	0.345	0.264	1.82E-10	Neo-G	ERICH1
MICA	1.24E-14	-0.15451	0.002	0.05	1.85E-10	Neo-G	MICA
RP11-295G	1.29E-14	-0.14528	0.003	0.051	1.92E-10	Neo-G	RP11-295G20.2

KLHL21	1. 29E-14	-0. 16041	0. 011	0. 065	1. 93E-10 Neo-G	KLHL21
PTAR1. 4	1. 30E-14	-0. 13347	0. 063	0. 146	1. 95E-10 Neo-G	PTAR1
IRF9. 3	1. 33E-14	-0. 22432	0. 033	0. 1	1. 99E-10 Neo-G	IRF9
POMC. 7	1. 35E-14	-0. 22023	0. 004	0. 052	2. 02E-10 Neo-G	POMC
TPR. 3	1. 39E-14	0. 139314	0. 473	0. 396	2. 08E-10 Neo-G	TPR
PDXDC1. 2	1. 40E-14	0. 1946	0. 238	0. 163	2. 09E-10 Neo-G	PDXDC1
FAM192A. 4	1. 40E-14	0. 150293	0. 427	0. 349	2. 10E-10 Neo-G	FAM192A
LMBR1. 5	1. 41E-14	0. 242509	0. 167	0. 103	2. 11E-10 Neo-G	LMBR1
TNIP2. 3	1. 43E-14	-0. 14988	0. 084	0. 175	2. 14E-10 Neo-G	TNIP2
SIPA1L1	1. 43E-14	-0. 16871	0. 084	0. 174	2. 14E-10 Neo-G	SIPA1L1
CTNS. 1	1. 45E-14	-0. 1633	0. 027	0. 091	2. 17E-10 Neo-G	CTNS
PPP1R3B. 3	1. 52E-14	-0. 18955	0. 016	0. 073	2. 27E-10 Neo-G	PPP1R3B
NADK. 3	1. 53E-14	-0. 17593	0. 086	0. 177	2. 28E-10 Neo-G	NADK
GIMAP6. 5	1. 56E-14	-0. 20998	0. 002	0. 048	2. 34E-10 Neo-G	GIMAP6
ZNF324. 5	1. 56E-14	0. 203539	0. 134	0. 076	2. 34E-10 Neo-G	ZNF324
DNAJB12. 6	1. 58E-14	-0. 25957	0. 075	0. 157	2. 36E-10 Neo-G	DNAJB12
OAS2. 3	1. 59E-14	-0. 18404	0	0. 045	2. 38E-10 Neo-G	OAS2
SHF. 1	1. 61E-14	0. 160053	0. 082	0. 038	2. 40E-10 Neo-G	SHF
IL7R. 6	1. 61E-14	-0. 27392	0. 008	0. 059	2. 41E-10 Neo-G	IL7R
ZNF595. 4	1. 64E-14	0. 164784	0. 126	0. 068	2. 45E-10 Neo-G	ZNF595
DPH6. 1	1. 64E-14	-0. 17734	0. 037	0. 106	2. 46E-10 Neo-G	DPH6
ZNF596	1. 65E-14	0. 141212	0. 075	0. 032	2. 47E-10 Neo-G	ZNF596
SLC39A7. 2	1. 66E-14	0. 175362	0. 371	0. 297	2. 48E-10 Neo-G	SLC39A7
RGL3	1. 68E-14	-0. 10596	0. 002	0. 049	2. 51E-10 Neo-G	RGL3
ZNF668. 2	1. 68E-14	0. 201475	0. 134	0. 077	2. 52E-10 Neo-G	ZNF668
NARS2. 1	1. 69E-14	0. 218994	0. 172	0. 107	2. 53E-10 Neo-G	NARS2
ATRAID. 2	1. 73E-14	-0. 34268	0. 525	0. 622	2. 58E-10 Neo-G	ATRAID
PDS5B. 4	1. 76E-14	0. 244865	0. 229	0. 16	2. 63E-10 Neo-G	PDS5B
GGNBP2. 2	1. 78E-14	0. 153916	0. 459	0. 382	2. 67E-10 Neo-G	GGNBP2
LRRC47. 5	1. 79E-14	0. 222047	0. 283	0. 208	2. 68E-10 Neo-G	LRRC47
CBFB. 3	1. 80E-14	-0. 22765	0. 141	0. 244	2. 69E-10 Neo-G	CBFB
CRB2. 5	1. 81E-14	-0. 17388	0. 002	0. 049	2. 70E-10 Neo-G	CRB2
PCBP1. 6	1. 89E-14	0. 113683	0. 66	0. 579	2. 83E-10 Neo-G	PCBP1
AGPAT5. 5	1. 91E-14	-0. 24643	0. 123	0. 22	2. 85E-10 Neo-G	AGPAT5
MDFIC. 2	1. 92E-14	-0. 11355	0. 002	0. 049	2. 86E-10 Neo-G	MDFIC
NOP58. 4	1. 92E-14	0. 159143	0. 365	0. 283	2. 87E-10 Neo-G	NOP58
FHOD1. 7	2. 09E-14	-0. 17752	0. 009	0. 062	3. 12E-10 Neo-G	FHOD1
SUMF1. 2	2. 11E-14	-0. 1748	0. 064	0. 146	3. 15E-10 Neo-G	SUMF1
ATG4C. 3	2. 12E-14	-0. 23705	0. 067	0. 147	3. 17E-10 Neo-G	ATG4C
GLO1. 5	2. 12E-14	-0. 28376	0. 306	0. 423	3. 17E-10 Neo-G	GLO1
SGPP1. 4	2. 16E-14	-0. 18843	0. 024	0. 086	3. 23E-10 Neo-G	SGPP1
NCOA4. 7	2. 18E-14	-0. 26474	0. 17	0. 274	3. 25E-10 Neo-G	NCOA4
CERS4. 6	2. 28E-14	-0. 1592	0. 111	0. 21	3. 41E-10 Neo-G	CERS4
C19orf38. 2	2. 31E-14	-0. 2357	0. 005	0. 053	3. 45E-10 Neo-G	C19orf38
TMEM64. 1	2. 32E-14	-0. 11787	0. 014	0. 07	3. 46E-10 Neo-G	TMEM64
TTC14. 3	2. 33E-14	0. 178831	0. 337	0. 261	3. 48E-10 Neo-G	TTC14
KIAA2013. 2	2. 42E-14	-0. 14365	0. 074	0. 16	3. 62E-10 Neo-G	KIAA2013
COPA. 4	2. 43E-14	0. 19189	0. 381	0. 304	3. 64E-10 Neo-G	COPA
TAB2. 3	2. 44E-14	-0. 17565	0. 057	0. 135	3. 64E-10 Neo-G	TAB2
NXT2. 1	2. 46E-14	-0. 14118	0. 027	0. 09	3. 67E-10 Neo-G	NXT2
NMNAT3	2. 49E-14	0. 104242	0. 082	0. 037	3. 72E-10 Neo-G	NMNAT3

ZNF781. 2	2. 52E-14	0. 170451	0. 084	0. 039	3. 77E-10	Neo-G	ZNF781
TPM3. 7	2. 57E-14	-0. 32235	0. 472	0. 569	3. 84E-10	Neo-G	TPM3
PKNOX2	2. 63E-14	0. 123284	0. 062	0. 025	3. 93E-10	Neo-G	PKNOX2
RIF1. 5	2. 66E-14	0. 219862	0. 284	0. 212	3. 97E-10	Neo-G	RIF1
EIF1AY. 6	2. 71E-14	-0. 12818	0. 093	0. 188	4. 04E-10	Neo-G	EIF1AY
WDR33. 2	2. 75E-14	0. 143523	0. 369	0. 292	4. 11E-10	Neo-G	WDR33
LHFP. 7	2. 80E-14	-0. 29451	0. 145	0. 242	4. 19E-10	Neo-G	LHFP
ZNF559. 6	2. 85E-14	0. 200244	0. 207	0. 137	4. 26E-10	Neo-G	ZNF559
TMC03. 1	2. 87E-14	0. 253071	0. 264	0. 197	4. 29E-10	Neo-G	TMC03
RNF114. 2	2. 88E-14	-0. 28932	0. 311	0. 427	4. 30E-10	Neo-G	RNF114
HSPB1. 3	2. 88E-14	-0. 24889	0. 597	0. 661	4. 30E-10	Neo-G	HSPB1
AHR. 6	2. 96E-14	-0. 21604	0. 014	0. 069	4. 42E-10	Neo-G	AHR
SPRY4. 4	3. 04E-14	-0. 11978	0. 016	0. 074	4. 54E-10	Neo-G	SPRY4
SUSD4. 4	3. 04E-14	0. 144169	0. 08	0. 036	4. 55E-10	Neo-G	SUSD4
KDELR1. 3	3. 10E-14	-0. 29128	0. 391	0. 505	4. 63E-10	Neo-G	KDELR1
GPLD1	3. 16E-14	0. 140864	0. 055	0. 021	4. 72E-10	Neo-G	GPLD1
TMOD1. 5	3. 16E-14	0. 148211	0. 228	0. 148	4. 73E-10	Neo-G	TMOD1
EIF2S2. 4	3. 17E-14	-0. 3107	0. 533	0. 595	4. 74E-10	Neo-G	EIF2S2
SGTA. 4	3. 22E-14	0. 179892	0. 379	0. 308	4. 81E-10	Neo-G	SGTA
AP3B1. 3	3. 23E-14	-0. 16739	0. 09	0. 18	4. 83E-10	Neo-G	AP3B1
KCNJ6	3. 24E-14	0. 1235	0. 04	0. 013	4. 84E-10	Neo-G	KCNJ6
ATAD1. 2	3. 24E-14	0. 177953	0. 233	0. 158	4. 84E-10	Neo-G	ATAD1
NNT-AS1. 6	3. 27E-14	0. 216978	0. 286	0. 213	4. 89E-10	Neo-G	NNT-AS1
HCCS. 1	3. 28E-14	-0. 20832	0. 088	0. 177	4. 90E-10	Neo-G	HCCS
SIGLEC14.	3. 32E-14	-0. 21814	0. 003	0. 049	4. 96E-10	Neo-G	SIGLEC14
SMOX. 6	3. 33E-14	-0. 29876	0. 155	0. 258	4. 98E-10	Neo-G	SMOX
KCNQ3. 2	3. 50E-14	0. 1225	0. 082	0. 037	5. 23E-10	Neo-G	KCNQ3
NACC1. 2	3. 51E-14	-0. 13217	0. 074	0. 16	5. 25E-10	Neo-G	NACC1
ADRB2. 5	3. 55E-14	-0. 24547	0. 004	0. 051	5. 31E-10	Neo-G	ADRB2
C1RL. 1	3. 64E-14	-0. 22276	0. 01	0. 062	5. 44E-10	Neo-G	C1RL
RBBP8. 2	3. 74E-14	-0. 12587	0. 027	0. 09	5. 59E-10	Neo-G	RBBP8
CRYBB1. 5	3. 75E-14	-0. 22586	0. 002	0. 046	5. 61E-10	Neo-G	CRYBB1
ATG12. 1	3. 81E-14	0. 120864	0. 418	0. 336	5. 70E-10	Neo-G	ATG12
RBM38. 5	3. 83E-14	-0. 12319	0. 063	0. 144	5. 72E-10	Neo-G	RBM38
CHRN1. 6	3. 88E-14	0. 172626	0. 211	0. 141	5. 80E-10	Neo-G	CHRN1
ADCY7. 7	3. 88E-14	-0. 24711	0. 015	0. 069	5. 80E-10	Neo-G	ADCY7
CPSF2	3. 93E-14	-0. 14262	0. 056	0. 133	5. 87E-10	Neo-G	CPSF2
FAM184A. 3	3. 94E-14	0. 182785	0. 093	0. 046	5. 89E-10	Neo-G	FAM184A
PAM. 6	3. 96E-14	-0. 13874	0. 085	0. 174	5. 91E-10	Neo-G	PAM
RAE1. 4	3. 97E-14	0. 176199	0. 333	0. 259	5. 93E-10	Neo-G	RAE1
TMEM52B. 7	3. 98E-14	-0. 22928	0. 005	0. 052	5. 95E-10	Neo-G	TMEM52B
NEDD8. 3	4. 00E-14	-0. 2752	0. 732	0. 747	5. 97E-10	Neo-G	NEDD8
STAG2. 1	4. 16E-14	-0. 23391	0. 148	0. 254	6. 21E-10	Neo-G	STAG2
MAD2L1BP.	4. 36E-14	0. 230502	0. 222	0. 153	6. 52E-10	Neo-G	MAD2L1BP
SLC22A18.	4. 37E-14	-0. 22939	0. 057	0. 132	6. 53E-10	Neo-G	SLC22A18
MYBPC1. 4	4. 56E-14	-0. 20034	0. 003	0. 049	6. 81E-10	Neo-G	MYBPC1
HEBP1. 3	4. 57E-14	-0. 22538	0. 108	0. 199	6. 82E-10	Neo-G	HEBP1
SLC25A25.	4. 57E-14	0. 194337	0. 23	0. 158	6. 82E-10	Neo-G	SLC25A25
PFDN5. 5	4. 64E-14	-0. 247	0. 903	0. 882	6. 93E-10	Neo-G	PFDN5
HR	4. 64E-14	0. 114896	0. 043	0. 014	6. 93E-10	Neo-G	HR
CCDC142. 3	4. 65E-14	0. 162452	0. 112	0. 059	6. 94E-10	Neo-G	CCDC142

ZNF671	4.66E-14	0.148151	0.082	0.038	6.96E-10 Neo-G	ZNF671
ZNF681.1	4.67E-14	0.137811	0.08	0.037	6.98E-10 Neo-G	ZNF681
NRP2.4	4.74E-14	-0.22915	0.133	0.232	7.08E-10 Neo-G	NRP2
ZSCAN16-A	4.75E-14	-0.2254	0.162	0.269	7.10E-10 Neo-G	ZSCAN16-AS1
PEAK1.3	4.76E-14	-0.13209	0.018	0.075	7.11E-10 Neo-G	PEAK1
RARS2.2	4.83E-14	0.208213	0.253	0.183	7.21E-10 Neo-G	RARS2
PREPL.5	4.83E-14	0.248858	0.25	0.181	7.22E-10 Neo-G	PREPL
EDEM1.6	4.94E-14	-0.18508	0.025	0.086	7.39E-10 Neo-G	EDEM1
ARPP19.4	4.96E-14	0.102693	0.497	0.417	7.41E-10 Neo-G	ARPP19
CLCF1.3	5.00E-14	-0.17232	0.002	0.046	7.47E-10 Neo-G	CLCF1
FAXDC2.4	5.16E-14	-0.16302	0.011	0.063	7.71E-10 Neo-G	FAXDC2
CTB-61M7.5	5.30E-14	-0.21973	0	0.043	7.93E-10 Neo-G	CTB-61M7.2
IER3IP1.5	5.30E-14	-0.41584	0	0.043	7.93E-10 Neo-G	IER3IP1
SEC24D.2	5.47E-14	-0.16824	0.034	0.099	8.18E-10 Neo-G	SEC24D
RIN2.5	5.62E-14	-0.26621	0.06	0.134	8.39E-10 Neo-G	RIN2
TLR4.5	5.70E-14	-0.19987	0.002	0.046	8.52E-10 Neo-G	TLR4
AMPD3.4	5.79E-14	-0.19293	0.008	0.057	8.65E-10 Neo-G	AMPD3
ZBTB2.2	5.81E-14	0.186132	0.121	0.066	8.68E-10 Neo-G	ZBTB2
MYO1G.7	5.83E-14	-0.21519	0.013	0.066	8.71E-10 Neo-G	MYO1G
MCM3.5	5.91E-14	-0.19396	0.071	0.151	8.83E-10 Neo-G	MCM3
ETFDH.3	5.97E-14	0.153266	0.182	0.114	8.93E-10 Neo-G	ETFDH
TRIM14.4	6.06E-14	-0.15824	0.034	0.099	9.06E-10 Neo-G	TRIM14
FAM84A.6	6.19E-14	-0.14813	0.071	0.153	9.25E-10 Neo-G	FAM84A
ZFAND6.1	6.24E-14	-0.3391	0.353	0.462	9.32E-10 Neo-G	ZFAND6
OXLD1.4	6.39E-14	-0.22322	0.159	0.264	9.55E-10 Neo-G	OXLD1
BAK1.5	6.51E-14	-0.19213	0.051	0.124	9.73E-10 Neo-G	BAK1
ACVR1.2	6.59E-14	0.214257	0.116	0.063	9.85E-10 Neo-G	ACVR1
PARP12.3	6.71E-14	-0.15809	0.022	0.081	1.00E-09 Neo-G	PARP12
SNRPB.3	6.74E-14	-0.2632	0.535	0.583	1.01E-09 Neo-G	SNRPB
EXOC1.3	6.78E-14	0.181394	0.32	0.241	1.01E-09 Neo-G	EXOC1
RP11-490M	6.82E-14	0.186941	0.082	0.039	1.02E-09 Neo-G	RP11-490M8.1
STAU1.4	7.04E-14	0.157946	0.438	0.357	1.05E-09 Neo-G	STAU1
ABCC5.2	7.09E-14	0.16258	0.182	0.114	1.06E-09 Neo-G	ABCC5
NDC80.5	7.13E-14	-0.15848	0.005	0.053	1.06E-09 Neo-G	NDC80
TROAP.6	7.13E-14	-0.1469	0.005	0.051	1.07E-09 Neo-G	TROAP
IGF1.5	7.16E-14	-0.27017	0.014	0.067	1.07E-09 Neo-G	IGF1
STX2.5	7.28E-14	0.251294	0.161	0.101	1.09E-09 Neo-G	STX2
PNPO.4	7.30E-14	-0.19524	0.025	0.085	1.09E-09 Neo-G	PNPO
XPA.2	7.30E-14	0.20812	0.288	0.214	1.09E-09 Neo-G	XPA
G6PC3.3	7.32E-14	-0.26506	0.24	0.36	1.09E-09 Neo-G	G6PC3
GID8.1	7.41E-14	-0.17637	0.15	0.259	1.11E-09 Neo-G	GID8
CD7.4	7.53E-14	-0.29583	0.003	0.048	1.12E-09 Neo-G	CD7
MPC1.3	7.82E-14	-0.33547	0.416	0.497	1.17E-09 Neo-G	MPC1
PRPF40B	7.98E-14	0.175068	0.108	0.057	1.19E-09 Neo-G	PRPF40B
CTNNA1.5	8.11E-14	-0.11669	0.071	0.156	1.21E-09 Neo-G	CTNNA1
PDCD4.7	8.18E-14	-0.2878	0.079	0.157	1.22E-09 Neo-G	PDCD4
UXT.5	8.19E-14	-0.33527	0.438	0.55	1.22E-09 Neo-G	UXT
PHLDA2.2	8.21E-14	-0.14734	0.007	0.056	1.23E-09 Neo-G	PHLDA2
C20orf27	8.21E-14	-0.29232	0.263	0.372	1.23E-09 Neo-G	C20orf27
RASAL2.1	8.28E-14	0.155659	0.129	0.072	1.24E-09 Neo-G	RASAL2
CDC73.2	8.57E-14	-0.18742	0.106	0.199	1.28E-09 Neo-G	CDC73

TMEM91. 5	8. 74E-14	-0. 20784	0. 021	0. 079	1. 31E-09	Neo-G	TMEM91
MYBL2. 5	8. 74E-14	-0. 11816	0. 004	0. 05	1. 31E-09	Neo-G	MYBL2
KIF13B. 1	9. 11E-14	-0. 16972	0. 022	0. 08	1. 36E-09	Neo-G	KIF13B
CCDC91. 3	9. 19E-14	0. 138301	0. 268	0. 188	1. 37E-09	Neo-G	CCDC91
C16orf13. 9	9. 20E-14	0. 153636	0. 526	0. 452	1. 38E-09	Neo-G	C16orf13
GALNT7. 3	9. 29E-14	-0. 14103	0. 032	0. 096	1. 39E-09	Neo-G	GALNT7
UFD1L. 5	9. 30E-14	-0. 28071	0. 227	0. 343	1. 39E-09	Neo-G	UFD1L
OPTN. 5	9. 39E-14	0. 217677	0. 193	0. 128	1. 40E-09	Neo-G	OPTN
NT5E. 2	9. 41E-14	-0. 14498	0. 014	0. 068	1. 41E-09	Neo-G	NT5E
CTPS1. 4	9. 42E-14	0. 196097	0. 161	0. 099	1. 41E-09	Neo-G	CTPS1
PPP2CB. 7	9. 49E-14	0. 214135	0. 359	0. 289	1. 42E-09	Neo-G	PPP2CB
RGS12. 7	9. 53E-14	0. 161834	0. 344	0. 262	1. 42E-09	Neo-G	RGS12
BCKDK. 7	9. 54E-14	-0. 23725	0. 212	0. 326	1. 42E-09	Neo-G	BCKDK
DAG1. 5	9. 54E-14	-0. 13837	0. 093	0. 183	1. 43E-09	Neo-G	DAG1
MAN2C1. 1	9. 62E-14	-0. 22364	0. 064	0. 142	1. 44E-09	Neo-G	MAN2C1
FGGY. 1	9. 74E-14	-0. 1998	0. 031	0. 093	1. 45E-09	Neo-G	FGGY
SLC35F5. 1	1. 02E-13	-0. 14738	0. 068	0. 148	1. 53E-09	Neo-G	SLC35F5
C12orf43. 1	1. 02E-13	0. 207289	0. 217	0. 149	1. 53E-09	Neo-G	C12orf43
ALDH16A1. 1	1. 04E-13	-0. 1769	0. 054	0. 127	1. 55E-09	Neo-G	ALDH16A1
SDHB. 3	1. 04E-13	-0. 30165	0. 314	0. 437	1. 56E-09	Neo-G	SDHB
AC018647. 1	1. 07E-13	-0. 23964	0. 002	0. 046	1. 60E-09	Neo-G	AC018647. 3
ARHGAP25. 1	1. 07E-13	-0. 22317	0. 017	0. 072	1. 60E-09	Neo-G	ARHGAP25
USP6NL. 3	1. 11E-13	-0. 14302	0. 027	0. 089	1. 66E-09	Neo-G	USP6NL
RAB40B. 7	1. 14E-13	0. 180772	0. 191	0. 122	1. 70E-09	Neo-G	RAB40B
LINC01023. 1	1. 14E-13	-0. 12312	0. 015	0. 069	1. 70E-09	Neo-G	LINC01023
CAPZA1. 7	1. 15E-13	-0. 25547	0. 295	0. 404	1. 72E-09	Neo-G	CAPZA1
TOPORS-AS. 1	1. 17E-13	-0. 20455	0. 075	0. 156	1. 74E-09	Neo-G	TOPORS-AS1
XXYLT1. 5	1. 19E-13	0. 240788	0. 181	0. 12	1. 78E-09	Neo-G	XXYLT1
TNRC6A. 3	1. 20E-13	0. 203309	0. 278	0. 207	1. 79E-09	Neo-G	TNRC6A
EEPDI. 4	1. 22E-13	-0. 19614	0. 021	0. 078	1. 83E-09	Neo-G	EEPDI
RP11-455F. 1	1. 23E-13	0. 139862	0. 068	0. 03	1. 84E-09	Neo-G	RP11-455F5. 3
CDK2AP2. 5	1. 23E-13	-0. 31497	0. 235	0. 34	1. 84E-09	Neo-G	CDK2AP2
SAA2. 4	1. 23E-13	-0. 69785	0. 009	0. 057	1. 84E-09	Neo-G	SAA2
ABHD4. 1	1. 25E-13	-0. 15139	0. 016	0. 071	1. 87E-09	Neo-G	ABHD4
CDKN1C. 6	1. 26E-13	0. 202647	0. 174	0. 107	1. 88E-09	Neo-G	CDKN1C
CNOT8. 3	1. 26E-13	0. 195322	0. 246	0. 173	1. 88E-09	Neo-G	CNOT8
RP4-798A1. 1	1. 27E-13	0. 179067	0. 077	0. 035	1. 89E-09	Neo-G	RP4-798A10. 7
RP11-536K. 1	1. 35E-13	-0. 23296	0	0. 041	2. 02E-09	Neo-G	RP11-536K7. 3
TMEM106A. 1	1. 36E-13	-0. 23974	0. 016	0. 069	2. 03E-09	Neo-G	TMEM106A
OSER1. 3	1. 37E-13	0. 102194	0. 375	0. 293	2. 05E-09	Neo-G	OSER1
MIEF2. 3	1. 39E-13	0. 164334	0. 107	0. 057	2. 08E-09	Neo-G	MIEF2
MMP24-AS1. 1	1. 40E-13	-0. 20069	0. 211	0. 324	2. 10E-09	Neo-G	MMP24-AS1
PEX1. 3	1. 41E-13	0. 18207	0. 13	0. 075	2. 10E-09	Neo-G	PEX1
MBOAT2. 6	1. 42E-13	0. 230125	0. 242	0. 174	2. 13E-09	Neo-G	MBOAT2
CRBN. 1	1. 43E-13	0. 156328	0. 355	0. 277	2. 13E-09	Neo-G	CRBN
ENDOG. 5	1. 44E-13	0. 27284	0. 203	0. 14	2. 14E-09	Neo-G	ENDOG
NDUFA1. 3	1. 44E-13	-0. 27846	0. 702	0. 726	2. 15E-09	Neo-G	NDUFA1
EVI5. 2	1. 45E-13	-0. 15689	0. 102	0. 194	2. 16E-09	Neo-G	EVI5
KHNYN. 1	1. 52E-13	-0. 13912	0. 016	0. 07	2. 27E-09	Neo-G	KHNYN
ARL6IP5. 2	1. 53E-13	-0. 32314	0. 59	0. 658	2. 29E-09	Neo-G	ARL6IP5
TLR5. 4	1. 54E-13	-0. 23539	0. 005	0. 05	2. 30E-09	Neo-G	TLR5



AC004951.	1. 54E-13	0. 227302	0. 215	0. 149	2. 30E-09	Neo-G	AC004951. 6
PLK1.	1. 54E-13	-0. 19055	0. 01	0. 06	2. 30E-09	Neo-G	PLK1
RPN1.	1. 56E-13	-0. 3205	0. 307	0. 422	2. 34E-09	Neo-G	RPN1
GIGYF1.	1. 58E-13	0. 169111	0. 164	0. 1	2. 36E-09	Neo-G	GIGYF1
VOPP1.	1. 60E-13	0. 175644	0. 36	0. 282	2. 39E-09	Neo-G	VOPP1
SERINC2.	1. 60E-13	-0. 13734	0. 054	0. 128	2. 39E-09	Neo-G	SERINC2
AGAP1.	1. 60E-13	0. 240966	0. 175	0. 113	2. 40E-09	Neo-G	AGAP1
IFITM1.	1. 65E-13	-0. 23538	0	0. 041	2. 46E-09	Neo-G	IFITM1
LRP4.	1. 69E-13	-0. 13753	0. 013	0. 064	2. 53E-09	Neo-G	LRP4
PRKCH.	1. 72E-13	-0. 2172	0. 004	0. 049	2. 56E-09	Neo-G	PRKCH
RP5-1085F	1. 75E-13	0. 189738	0. 147	0. 088	2. 62E-09	Neo-G	RP5-1085F17. 3
CTSf.	1. 76E-13	0. 197489	0. 334	0. 262	2. 63E-09	Neo-G	CTSf
IGFBP4.	1. 79E-13	-0. 16602	0. 017	0. 072	2. 67E-09	Neo-G	IGFBP4
RP11-1094	1. 79E-13	0. 206982	0. 296	0. 227	2. 67E-09	Neo-G	RP11-1094M14. 11
ZFR.	1. 80E-13	0. 153566	0. 371	0. 297	2. 68E-09	Neo-G	ZFR
PPP1R18.	1. 82E-13	-0. 28949	0. 202	0. 304	2. 71E-09	Neo-G	PPP1R18
ATXN2.	1. 85E-13	0. 206152	0. 284	0. 214	2. 77E-09	Neo-G	ATXN2
FAM46A.	1. 86E-13	-0. 14341	0. 11	0. 206	2. 78E-09	Neo-G	FAM46A
CMC1.	1. 87E-13	-0. 25381	0. 179	0. 287	2. 80E-09	Neo-G	CMC1
CCDC28A.	1. 88E-13	-0. 23407	0. 085	0. 167	2. 81E-09	Neo-G	CCDC28A
EPRS.	1. 89E-13	0. 172394	0. 359	0. 286	2. 82E-09	Neo-G	EPRS
RP11-138A	1. 93E-13	-0. 26161	0. 041	0. 106	2. 88E-09	Neo-G	RP11-138A9. 2
GAN.	1. 95E-13	0. 220951	0. 199	0. 134	2. 91E-09	Neo-G	GAN
TJP2.	1. 95E-13	-0. 14944	0. 009	0. 059	2. 92E-09	Neo-G	TJP2
UTP11L.	1. 95E-13	0. 153859	0. 357	0. 283	2. 92E-09	Neo-G	UTP11L
DNAJC30.	1. 96E-13	0. 248854	0. 212	0. 147	2. 92E-09	Neo-G	DNAJC30
C7orf49.	1. 97E-13	-0. 17353	0. 121	0. 218	2. 94E-09	Neo-G	C7orf49
PML.	1. 98E-13	-0. 13037	0. 041	0. 109	2. 97E-09	Neo-G	PML
SLC9A3R2.	2. 05E-13	0. 260897	0. 163	0. 105	3. 06E-09	Neo-G	SLC9A3R2
SLC25A38.	2. 13E-13	0. 16694	0. 207	0. 138	3. 18E-09	Neo-G	SLC25A38
SAR1B.	2. 13E-13	-0. 27039	0. 221	0. 334	3. 19E-09	Neo-G	SAR1B
ZNF14.	2. 27E-13	0. 173435	0. 091	0. 045	3. 39E-09	Neo-G	ZNF14
SNAI1.	2. 33E-13	-0. 20394	0. 005	0. 05	3. 49E-09	Neo-G	SNAI1
LRMP.	2. 35E-13	-0. 20592	0. 005	0. 05	3. 52E-09	Neo-G	LRMP
SLC9A3R1.	2. 41E-13	-0. 13176	0. 076	0. 159	3. 61E-09	Neo-G	SLC9A3R1
IL33.	2. 41E-13	-0. 13459	0. 005	0. 05	3. 61E-09	Neo-G	IL33
KCTD1.	2. 49E-13	0. 198236	0. 108	0. 059	3. 72E-09	Neo-G	KCTD1
CASP2.	2. 50E-13	0. 199724	0. 153	0. 094	3. 73E-09	Neo-G	CASP2
ATP13A3.	2. 51E-13	-0. 1799	0. 079	0. 159	3. 75E-09	Neo-G	ATP13A3
FYT1D1.	2. 52E-13	0. 174654	0. 352	0. 281	3. 77E-09	Neo-G	FYT1D1
DIAPH2.	2. 56E-13	-0. 18974	0. 017	0. 071	3. 83E-09	Neo-G	DIAPH2
TRIOBP.	2. 67E-13	-0. 10683	0. 032	0. 096	3. 99E-09	Neo-G	TRIOBP
ANLN.	2. 76E-13	-0. 24514	0. 016	0. 068	4. 13E-09	Neo-G	ANLN
PEX2.	2. 77E-13	-0. 21698	0. 17	0. 28	4. 15E-09	Neo-G	PEX2
AFF1.	2. 85E-13	-0. 14584	0. 016	0. 07	4. 26E-09	Neo-G	AFF1
NCAPD2.	2. 89E-13	-0. 11609	0. 016	0. 069	4. 32E-09	Neo-G	NCAPD2
TNKS1BP1.	2. 93E-13	-0. 10339	0. 022	0. 079	4. 38E-09	Neo-G	TNKS1BP1
TMEM251.	2. 96E-13	-0. 18603	0. 148	0. 254	4. 42E-09	Neo-G	TMEM251
SNHG9.	2. 99E-13	-0. 24369	0. 207	0. 317	4. 46E-09	Neo-G	SNHG9
TST.	2. 99E-13	-0. 14474	0. 025	0. 084	4. 47E-09	Neo-G	TST
ZMYM2.	3. 04E-13	0. 206625	0. 269	0. 197	4. 54E-09	Neo-G	ZMYM2

DHX58.1	3.05E-13	-0.14805	0.002	0.045	4.55E-09	Neo-G	DHX58
TMEM150A.	3.08E-13	-0.23603	0.079	0.158	4.60E-09	Neo-G	TMEM150A
ZNF675	3.22E-13	0.161055	0.112	0.06	4.81E-09	Neo-G	ZNF675
ATF7IP2.6	3.22E-13	-0.2069	0.003	0.046	4.82E-09	Neo-G	ATF7IP2
NPHP1.3	3.25E-13	-0.13125	0.02	0.075	4.85E-09	Neo-G	NPHP1
CREB3L4	3.26E-13	0.138188	0.091	0.045	4.87E-09	Neo-G	CREB3L4
YIPF6.5	3.28E-13	0.147296	0.377	0.305	4.90E-09	Neo-G	YIPF6
DERA.3	3.30E-13	-0.25636	0.16	0.262	4.93E-09	Neo-G	DERA
MAGI3.2	3.35E-13	0.183047	0.097	0.05	5.00E-09	Neo-G	MAGI3
AGAP2.4	3.47E-13	0.208387	0.098	0.051	5.18E-09	Neo-G	AGAP2
RNASEH2A.	3.50E-13	-0.26969	0.13	0.221	5.22E-09	Neo-G	RNASEH2A
CDKN3.6	3.51E-13	-0.23234	0.036	0.098	5.24E-09	Neo-G	CDKN3
CTNNBIP1.	3.53E-13	0.266785	0.271	0.208	5.28E-09	Neo-G	CTNNBIP1
GALNT1.3	3.56E-13	-0.16338	0.122	0.216	5.32E-09	Neo-G	GALNT1
CCNB1.5	3.59E-13	-0.26248	0.035	0.097	5.37E-09	Neo-G	CCNB1
EXOSC1.2	3.65E-13	-0.24528	0.104	0.191	5.46E-09	Neo-G	EXOSC1
JADE2	3.67E-13	-0.1629	0.007	0.054	5.49E-09	Neo-G	JADE2
C9orf72.6	3.68E-13	0.10462	0.22	0.142	5.51E-09	Neo-G	C9orf72
COQ3.3	3.70E-13	0.166182	0.114	0.062	5.53E-09	Neo-G	COQ3
NAA40.1	3.73E-13	0.172535	0.131	0.076	5.57E-09	Neo-G	NAA40
STAT6.7	3.75E-13	-0.22337	0.009	0.057	5.60E-09	Neo-G	STAT6
FAM102A.4	3.79E-13	-0.16592	0.039	0.105	5.66E-09	Neo-G	FAM102A
SLC39A14.	3.79E-13	-0.18801	0.038	0.102	5.67E-09	Neo-G	SLC39A14
RNF38.2	3.82E-13	0.20793	0.146	0.088	5.71E-09	Neo-G	RNF38
C16orf91.	4.00E-13	0.238702	0.254	0.188	5.97E-09	Neo-G	C16orf91
MARCH9.6	4.03E-13	0.292338	0.214	0.147	6.02E-09	Neo-G	9-Mar
EFNA4	4.08E-13	-0.13065	0.004	0.048	6.09E-09	Neo-G	EFNA4
IRGQ.3	4.10E-13	0.184622	0.137	0.081	6.12E-09	Neo-G	IRGQ
PAK1IP1.4	4.23E-13	0.184937	0.28	0.208	6.32E-09	Neo-G	PAK1IP1
SPAG5.3	4.30E-13	-0.12875	0.005	0.049	6.42E-09	Neo-G	SPAG5
DTNBP1.5	4.35E-13	0.196557	0.27	0.199	6.51E-09	Neo-G	DTNBP1
FOXM1.5	4.37E-13	-0.13982	0.009	0.057	6.53E-09	Neo-G	FOXM1
ARHGAP24.	4.52E-13	-0.37397	0.083	0.156	6.75E-09	Neo-G	ARHGAP24
RUNX3.5	4.52E-13	-0.18651	0.002	0.043	6.75E-09	Neo-G	RUNX3
SLC4A3.4	4.58E-13	0.241595	0.138	0.084	6.85E-09	Neo-G	SLC4A3
FBLN5.2	4.60E-13	-0.20742	0.002	0.044	6.88E-09	Neo-G	FBLN5
CORO1C.4	4.68E-13	0.13225	0.441	0.365	6.99E-09	Neo-G	CORO1C
GCA.7	4.85E-13	-0.34558	0.215	0.309	7.25E-09	Neo-G	GCA
SELL.4	4.90E-13	-0.21496	0.001	0.041	7.33E-09	Neo-G	SELL
MAP3K7CL.	4.93E-13	-0.14697	0.004	0.047	7.37E-09	Neo-G	MAP3K7CL
PTX3.6	4.95E-13	-0.1977	0.053	0.123	7.40E-09	Neo-G	PTX3
PCSK7.4	4.98E-13	0.142242	0.349	0.274	7.45E-09	Neo-G	PCSK7
FCF1	5.02E-13	-0.15068	0.029	0.089	7.51E-09	Neo-G	FCF1
RNF20.3	5.06E-13	0.20032	0.207	0.141	7.56E-09	Neo-G	RNF20
TMC8.5	5.08E-13	-0.18847	0.004	0.047	7.60E-09	Neo-G	TMC8
SRR.5	5.11E-13	0.221503	0.211	0.147	7.63E-09	Neo-G	SRR
BATF.4	5.12E-13	-0.18029	0.002	0.043	7.66E-09	Neo-G	BATF
TLN2.4	5.41E-13	-0.20613	0.038	0.101	8.08E-09	Neo-G	TLN2
TTF1.3	5.41E-13	0.218293	0.263	0.196	8.08E-09	Neo-G	TTF1
KAT2B.3	5.42E-13	-0.14747	0.022	0.078	8.10E-09	Neo-G	KAT2B
RASSF8-AS	5.43E-13	0.229786	0.218	0.153	8.11E-09	Neo-G	RASSF8-AS1

PSTPIP1.6	5.60E-13	-0.17883	0.003	0.046	8.36E-09	Neo-G	PSTPIP1
ZNF639.6	5.61E-13	0.248267	0.191	0.13	8.38E-09	Neo-G	ZNF639
BCL2.4	5.62E-13	-0.18519	0.008	0.054	8.39E-09	Neo-G	BCL2
PPM1D.2	5.66E-13	0.180492	0.147	0.089	8.46E-09	Neo-G	PPM1D
MYCN	5.68E-13	0.124432	0.049	0.018	8.49E-09	Neo-G	MYCN
LYVE1.5	5.84E-13	-0.31912	0.002	0.042	8.73E-09	Neo-G	LYVE1
CNOT2.2	5.85E-13	0.153503	0.362	0.29	8.74E-09	Neo-G	CNOT2
FAM177A1.	5.91E-13	0.131304	0.451	0.38	8.83E-09	Neo-G	FAM177A1
RHOB.4	5.93E-13	0.109498	0.719	0.595	8.85E-09	Neo-G	RHOB
MNS1.4	6.01E-13	-0.10395	0.024	0.081	8.98E-09	Neo-G	MNS1
RETSAT.2	6.08E-13	-0.14131	0.031	0.091	9.09E-09	Neo-G	RETSAT
ENPP2.2	6.18E-13	-0.28696	0.005	0.049	9.23E-09	Neo-G	ENPP2
HAUS3.2	6.20E-13	0.151366	0.134	0.078	9.26E-09	Neo-G	HAUS3
RAB1B.3	6.33E-13	-0.2328	0.148	0.246	9.46E-09	Neo-G	RAB1B
VMA21.6	6.38E-13	-0.25307	0.239	0.353	9.53E-09	Neo-G	VMA21
PLD2.4	6.47E-13	-0.15253	0.031	0.092	9.67E-09	Neo-G	PLD2
SH2D4A	6.48E-13	-0.11691	0.001	0.041	9.69E-09	Neo-G	SH2D4A
GOLGB1.2	6.56E-13	0.198123	0.303	0.232	9.81E-09	Neo-G	GOLGB1
PLAGL1.4	6.57E-13	-0.16571	0.003	0.045	9.82E-09	Neo-G	PLAGL1
TCN2.3	6.62E-13	-0.21791	0.042	0.106	9.90E-09	Neo-G	TCN2
ARID5B.5	6.64E-13	-0.30398	0.257	0.367	9.93E-09	Neo-G	ARID5B
TEX2.1	6.76E-13	-0.10244	0.024	0.082	1.01E-08	Neo-G	TEX2
PRMT7.1	6.76E-13	0.198172	0.152	0.094	1.01E-08	Neo-G	PRMT7
HSPA5.3	6.78E-13	-0.314	0.618	0.662	1.01E-08	Neo-G	HSPA5
PHF20.4	6.98E-13	0.15309	0.382	0.313	1.04E-08	Neo-G	PHF20
ATP6V1D.2	7.02E-13	0.109982	0.433	0.362	1.05E-08	Neo-G	ATP6V1D
ATP5D.6	7.09E-13	0.118077	0.752	0.597	1.06E-08	Neo-G	ATP5D
HARS2	7.12E-13	0.179318	0.132	0.077	1.06E-08	Neo-G	HARS2
NKG7.5	7.20E-13	-0.27406	0.009	0.055	1.08E-08	Neo-G	NKG7
SCRN1.6	7.21E-13	-0.14552	0.101	0.189	1.08E-08	Neo-G	SCRN1
ARHGAP27.	7.25E-13	-0.2086	0.012	0.06	1.08E-08	Neo-G	ARHGAP27
APOBR.6	7.38E-13	-0.17531	0.002	0.042	1.10E-08	Neo-G	APOBR
DMAP1.4	7.49E-13	0.164702	0.314	0.243	1.12E-08	Neo-G	DMAP1
TTL.3	7.63E-13	0.175758	0.173	0.111	1.14E-08	Neo-G	TTL
IRAK2.1	7.94E-13	-0.16515	0.009	0.055	1.19E-08	Neo-G	IRAK2
FANCI.4	8.01E-13	-0.10971	0.006	0.051	1.20E-08	Neo-G	FANCI
CD52.6	8.06E-13	-0.36294	0.01	0.057	1.21E-08	Neo-G	CD52
ITSN2.6	8.32E-13	-0.19863	0.105	0.191	1.24E-08	Neo-G	ITSN2
PSMD9.3	8.38E-13	-0.27853	0.189	0.292	1.25E-08	Neo-G	PSMD9
RASA3.2	8.42E-13	-0.16331	0.038	0.101	1.26E-08	Neo-G	RASA3
FLII.6	8.49E-13	-0.18519	0.108	0.197	1.27E-08	Neo-G	FLII
CD1D.5	8.65E-13	-0.20708	0.002	0.042	1.29E-08	Neo-G	CD1D
ITCH.1	8.68E-13	-0.15007	0.048	0.116	1.30E-08	Neo-G	ITCH
BCAR3	8.72E-13	-0.12558	0.009	0.055	1.30E-08	Neo-G	BCAR3
METTL2A.4	8.87E-13	0.227205	0.214	0.152	1.33E-08	Neo-G	METTL2A
LZTS2.2	8.94E-13	-0.11973	0.027	0.086	1.34E-08	Neo-G	LZTS2
ARL11.6	8.99E-13	-0.18414	0.002	0.043	1.34E-08	Neo-G	ARL11
KLHL42.6	9.01E-13	0.245572	0.214	0.152	1.35E-08	Neo-G	KLHL42
DLG4.2	9.06E-13	0.218453	0.119	0.068	1.35E-08	Neo-G	DLG4
PDLIM1.4	9.15E-13	-0.13886	0.024	0.08	1.37E-08	Neo-G	PDLIM1
DNASE1L1.	9.31E-13	-0.21971	0.024	0.078	1.39E-08	Neo-G	DNASE1L1

PAQR6.5	9.39E-13	-0.17112	0.023	0.078	1.40E-08	Neo-G	PAQR6
ZFYVE27.1	9.63E-13	0.155416	0.128	0.073	1.44E-08	Neo-G	ZFYVE27
AVPI1.6	1.01E-12	-0.27613	0.039	0.1	1.51E-08	Neo-G	AVPI1
VEGFB.3	1.02E-12	-0.15726	0.075	0.153	1.52E-08	Neo-G	VEGFB
BBS9	1.03E-12	0.136849	0.09	0.045	1.54E-08	Neo-G	BBS9
TOMM40.5	1.03E-12	0.168257	0.39	0.32	1.54E-08	Neo-G	TOMM40
ECT2.5	1.03E-12	-0.13332	0.009	0.055	1.55E-08	Neo-G	ECT2
PPCDC.1	1.04E-12	-0.13421	0.02	0.075	1.56E-08	Neo-G	PPCDC
ICMT.3	1.04E-12	-0.12365	0.065	0.141	1.56E-08	Neo-G	ICMT
SGOL2.5	1.07E-12	-0.18416	0.035	0.096	1.59E-08	Neo-G	SGOL2
SLC36A4.3	1.07E-12	0.22605	0.251	0.186	1.59E-08	Neo-G	SLC36A4
MTAP.4	1.07E-12	-0.19744	0.022	0.076	1.60E-08	Neo-G	MTAP
SUCLA2.5	1.09E-12	0.148367	0.349	0.28	1.63E-08	Neo-G	SUCLA2
FASTK.4	1.10E-12	0.128609	0.4	0.33	1.64E-08	Neo-G	FASTK
PXDC1.3	1.10E-12	-0.11547	0.079	0.161	1.64E-08	Neo-G	PXDC1
ATM.4	1.11E-12	-0.21887	0.111	0.198	1.66E-08	Neo-G	ATM
GSPT1.5	1.11E-12	0.187281	0.404	0.341	1.66E-08	Neo-G	GSPT1
ARHGEF1.5	1.14E-12	-0.21439	0.119	0.206	1.71E-08	Neo-G	ARHGEF1
PHF23.5	1.14E-12	0.212874	0.265	0.2	1.71E-08	Neo-G	PHF23
RP11-783K	1.15E-12	-0.14514	0.008	0.053	1.71E-08	Neo-G	RP11-783K16.5
SEMA6B.2	1.15E-12	0.111333	0.09	0.044	1.72E-08	Neo-G	SEMA6B
ERBB2IP.4	1.16E-12	-0.17086	0.135	0.232	1.74E-08	Neo-G	ERBB2IP
HS3ST3B1.1	1.17E-12	-0.1521	0.004	0.046	1.75E-08	Neo-G	HS3ST3B1
ASPM.7	1.17E-12	-0.16146	0.007	0.052	1.75E-08	Neo-G	ASPM
FURIN.5	1.19E-12	-0.17351	0.023	0.078	1.77E-08	Neo-G	FURIN
GIGYF2.2	1.19E-12	0.18749	0.235	0.168	1.78E-08	Neo-G	GIGYF2
NME2.1	1.19E-12	-0.13336	0.032	0.092	1.79E-08	Neo-G	NME2
RP11-140K	1.20E-12	-0.1486	0.028	0.086	1.79E-08	Neo-G	RP11-140K17.3
ADAMDEC1.1	1.21E-12	-0.19612	0.002	0.041	1.81E-08	Neo-G	ADAMDEC1
SMIM3.5	1.21E-12	-0.44325	0.001	0.04	1.81E-08	Neo-G	SMIM3
KIAA0040.1	1.22E-12	-0.16777	0.006	0.05	1.83E-08	Neo-G	KIAA0040
AC109826.1	1.23E-12	-0.18906	0.002	0.041	1.84E-08	Neo-G	AC109826.1
NME7.7	1.25E-12	0.206909	0.219	0.154	1.86E-08	Neo-G	NME7
NKIRAS1.2	1.27E-12	0.19715	0.154	0.096	1.90E-08	Neo-G	NKIRAS1
C14orf142	1.28E-12	-0.19405	0.079	0.158	1.91E-08	Neo-G	C14orf142
TMC04.1	1.29E-12	-0.1266	0.001	0.04	1.93E-08	Neo-G	TMC04
KIF5B.4	1.31E-12	0.11275	0.607	0.5	1.96E-08	Neo-G	KIF5B
PPP1R2.2	1.34E-12	0.114184	0.437	0.36	2.00E-08	Neo-G	PPP1R2
HERC4.2	1.34E-12	-0.17213	0.053	0.122	2.00E-08	Neo-G	HERC4
CHCHD1.5	1.34E-12	-0.25668	0.178	0.282	2.00E-08	Neo-G	CHCHD1
CCAR2.2	1.34E-12	0.200002	0.203	0.139	2.00E-08	Neo-G	CCAR2
FPGT	1.34E-12	-0.15088	0.024	0.079	2.01E-08	Neo-G	FPGT
ZNF623.1	1.35E-12	0.152541	0.081	0.039	2.02E-08	Neo-G	ZNF623
WBP1L.6	1.36E-12	-0.2153	0.05	0.116	2.04E-08	Neo-G	WBP1L
NIPA2.4	1.38E-12	-0.19105	0.173	0.276	2.06E-08	Neo-G	NIPA2
ELF2.2	1.39E-12	0.169409	0.244	0.173	2.08E-08	Neo-G	ELF2
EBNA1BP2.1	1.41E-12	0.111214	0.415	0.346	2.10E-08	Neo-G	EBNA1BP2
FTO.3	1.43E-12	0.206357	0.189	0.127	2.13E-08	Neo-G	FTO
RFT1.2	1.43E-12	-0.16604	0.068	0.144	2.13E-08	Neo-G	RFT1
NOA1.4	1.43E-12	0.199896	0.201	0.136	2.14E-08	Neo-G	NOA1
CEP68.3	1.45E-12	0.184434	0.211	0.144	2.17E-08	Neo-G	CEP68

ZNF382	1.45E-12	0.111469	0.049	0.019	2.17E-08	Neo-G	ZNF382
SPPL3.5	1.49E-12	0.209134	0.257	0.19	2.23E-08	Neo-G	SPPL3
S100A1.2	1.52E-12	-0.317	0.002	0.043	2.27E-08	Neo-G	S100A1
EMILIN1	1.52E-12	-0.10765	0.014	0.064	2.27E-08	Neo-G	EMILIN1
C9orf3.5	1.52E-12	0.172793	0.159	0.098	2.27E-08	Neo-G	C9orf3
REX04.3	1.52E-12	0.247562	0.246	0.184	2.27E-08	Neo-G	REX04
ZKSCAN7	1.53E-12	0.105496	0.046	0.017	2.29E-08	Neo-G	ZKSCAN7
WDR61.2	1.57E-12	-0.3272	0.253	0.36	2.34E-08	Neo-G	WDR61
CLN5.2	1.64E-12	-0.17482	0.135	0.231	2.46E-08	Neo-G	CLN5
RP11-686C	1.65E-12	0.159299	0.064	0.028	2.47E-08	Neo-G	RP11-68606.2
STK24.4	1.67E-12	-0.16211	0.043	0.107	2.49E-08	Neo-G	STK24
CAMK2N2	1.82E-12	0.130517	0.054	0.022	2.71E-08	Neo-G	CAMK2N2
NFKB1.7	1.83E-12	-0.2033	0.046	0.111	2.73E-08	Neo-G	NFKB1
SLC25A17.	1.90E-12	0.206564	0.214	0.15	2.84E-08	Neo-G	SLC25A17
IFRD2.2	1.93E-12	-0.16373	0.126	0.218	2.88E-08	Neo-G	IFRD2
SCMH1.2	1.94E-12	0.187159	0.125	0.073	2.90E-08	Neo-G	SCMH1
MOXD1.5	1.98E-12	-0.10742	0.011	0.058	2.96E-08	Neo-G	MOXD1
SPATA2L.1	2.01E-12	0.181069	0.155	0.097	3.00E-08	Neo-G	SPATA2L
ATP1A1.4	2.07E-12	-0.25916	0.385	0.484	3.09E-08	Neo-G	ATP1A1
CABIN1.2	2.11E-12	-0.14388	0.067	0.141	3.16E-08	Neo-G	CABIN1
HCG18.4	2.12E-12	0.203133	0.165	0.106	3.17E-08	Neo-G	HCG18
RP11-76E1	2.16E-12	-0.22432	0.002	0.041	3.23E-08	Neo-G	RP11-76E17.3
SNCAIP.6	2.20E-12	0.192809	0.133	0.08	3.29E-08	Neo-G	SNCAIP
ANKRD40.3	2.28E-12	-0.17069	0.1	0.184	3.40E-08	Neo-G	ANKRD40
BMPER.2	2.29E-12	0.14897	0.069	0.032	3.43E-08	Neo-G	BMPER
NTPCR.4	2.31E-12	-0.27154	0.182	0.284	3.45E-08	Neo-G	NTPCR
IGFBP5.7	2.31E-12	-0.50127	0.194	0.277	3.45E-08	Neo-G	IGFBP5
DLEU7.6	2.32E-12	-0.21717	0.009	0.055	3.47E-08	Neo-G	DLEU7
TMEM128.4	2.35E-12	0.13901	0.355	0.284	3.51E-08	Neo-G	TMEM128
LENG1.3	2.38E-12	-0.23407	0.121	0.211	3.56E-08	Neo-G	LENG1
KIF2C.5	2.44E-12	-0.13134	0.005	0.048	3.65E-08	Neo-G	KIF2C
DAP.4	2.44E-12	-0.15905	0.181	0.288	3.65E-08	Neo-G	DAP
ZBTB7B.3	2.49E-12	-0.13811	0.005	0.046	3.72E-08	Neo-G	ZBTB7B
ACTR1B.1	2.50E-12	0.206861	0.269	0.202	3.74E-08	Neo-G	ACTR1B
NME1-NME2	2.51E-12	-0.1725	0.039	0.1	3.74E-08	Neo-G	NME1-NME2
IL2RG.4	2.54E-12	-0.25125	0.005	0.048	3.80E-08	Neo-G	IL2RG
ATG7.4	2.57E-12	-0.20021	0.052	0.118	3.83E-08	Neo-G	ATG7
CTC-534A2	2.57E-12	0.146582	0.086	0.043	3.84E-08	Neo-G	CTC-534A2.2
GPATCH1.2	2.59E-12	0.157827	0.12	0.069	3.88E-08	Neo-G	GPATCH1
GSG1L.4	2.62E-12	-0.15753	0.015	0.064	3.92E-08	Neo-G	GSG1L
GFPT1.4	2.62E-12	0.177021	0.146	0.089	3.92E-08	Neo-G	GFPT1
ILVBL.3	2.70E-12	-0.19488	0.16	0.263	4.04E-08	Neo-G	ILVBL
AC147651.	2.71E-12	-0.16664	0.002	0.04	4.06E-08	Neo-G	AC147651.4
TNF.4	2.75E-12	-0.21902	0.005	0.047	4.11E-08	Neo-G	TNF
PCYT1A.2	2.83E-12	-0.16085	0.064	0.137	4.24E-08	Neo-G	PCYT1A
CENPF.7	2.85E-12	-0.29292	0.046	0.108	4.27E-08	Neo-G	CENPF
NOL11.4	2.86E-12	0.195597	0.247	0.182	4.28E-08	Neo-G	NOL11
RASSF3.5	2.87E-12	-0.15001	0.005	0.046	4.29E-08	Neo-G	RASSF3
EPHB6	2.87E-12	0.123207	0.081	0.039	4.29E-08	Neo-G	EPHB6
TMEM161A.	2.94E-12	-0.17575	0.097	0.18	4.40E-08	Neo-G	TMEM161A
NRG2.4	2.96E-12	0.202414	0.075	0.036	4.42E-08	Neo-G	NRG2

ZNFX1.1	2.96E-12	-0.16159	0.073	0.149	4.43E-08	Neo-G	ZNFX1
TAF9B.4	3.05E-12	0.213547	0.199	0.138	4.55E-08	Neo-G	TAF9B
DHFR.5	3.05E-12	-0.16062	0.082	0.159	4.56E-08	Neo-G	DHFR
PTBP1.4	3.07E-12	-0.20312	0.224	0.335	4.59E-08	Neo-G	PTBP1
RCOR1.1	3.08E-12	-0.10981	0.023	0.077	4.60E-08	Neo-G	RCOR1
RP1-39G22	3.10E-12	0.234387	0.184	0.124	4.64E-08	Neo-G	RP1-39G22.7
RCBTB2.6	3.10E-12	0.103144	0.207	0.134	4.64E-08	Neo-G	RCBTB2
TAF8.1	3.14E-12	-0.15522	0.037	0.098	4.70E-08	Neo-G	TAF8
SH3BP2.6	3.23E-12	-0.18126	0.072	0.146	4.82E-08	Neo-G	SH3BP2
ETFB.3	3.23E-12	-0.30791	0.419	0.51	4.82E-08	Neo-G	ETFB
SMC4.5	3.24E-12	-0.21677	0.134	0.221	4.84E-08	Neo-G	SMC4
TMUB2.1	3.28E-12	0.176636	0.319	0.252	4.90E-08	Neo-G	TMUB2
TRMT61A.1	3.32E-12	-0.145	0.063	0.135	4.97E-08	Neo-G	TRMT61A
SP1	3.34E-12	-0.12676	0.028	0.085	4.99E-08	Neo-G	SP1
RHOT2.2	3.43E-12	0.175654	0.313	0.243	5.12E-08	Neo-G	RHOT2
ASCL2.6	3.45E-12	-0.15968	0.002	0.041	5.15E-08	Neo-G	ASCL2
CHL1.5	3.51E-12	-0.18452	0.084	0.161	5.24E-08	Neo-G	CHL1
PCDH9.5	3.51E-12	-0.32261	0.173	0.265	5.24E-08	Neo-G	PCDH9
COX17.3	3.52E-12	-0.32621	0.427	0.529	5.26E-08	Neo-G	COX17
ACSL5.6	3.57E-12	-0.15648	0.001	0.038	5.34E-08	Neo-G	ACSL5
MPHOSPH6.	3.64E-12	0.110021	0.357	0.283	5.43E-08	Neo-G	MPHOSPH6
MYLK.4	3.67E-12	-0.22425	0.016	0.064	5.49E-08	Neo-G	MYLK
CKAP4.5	3.81E-12	0.243993	0.262	0.203	5.69E-08	Neo-G	CKAP4
OCEL1.2	3.82E-12	-0.18668	0.086	0.165	5.70E-08	Neo-G	OCEL1
RPH3A.2	3.90E-12	0.120234	0.064	0.028	5.83E-08	Neo-G	RPH3A
IDH2.6	3.91E-12	-0.22645	0.331	0.438	5.84E-08	Neo-G	IDH2
APOO.5	3.92E-12	0.15881	0.288	0.222	5.86E-08	Neo-G	APOO
PDGFA.4	3.93E-12	-0.17958	0.042	0.104	5.87E-08	Neo-G	PDGFA
DGKG.2	3.94E-12	-0.1132	0.009	0.053	5.89E-08	Neo-G	DGKG
LNP1.1	3.96E-12	0.134569	0.061	0.027	5.91E-08	Neo-G	LNP1
SEC61A2.3	3.96E-12	0.185642	0.126	0.074	5.92E-08	Neo-G	SEC61A2
CLEC9A.5	3.99E-12	-0.23195	0	0.037	5.96E-08	Neo-G	CLEC9A
RORA.4	4.03E-12	-0.15051	0.026	0.081	6.02E-08	Neo-G	RORA
IL15.5	4.14E-12	-0.16791	0.002	0.041	6.18E-08	Neo-G	IL15
PRPF3.1	4.17E-12	0.170401	0.168	0.108	6.23E-08	Neo-G	PRPF3
CTDSP2.3	4.24E-12	-0.14904	0.181	0.288	6.33E-08	Neo-G	CTDSP2
INF2.5	4.25E-12	-0.17418	0.034	0.092	6.34E-08	Neo-G	INF2
SLC25A11.	4.33E-12	0.121611	0.479	0.412	6.46E-08	Neo-G	SLC25A11
HOXB-AS1	4.39E-12	0.11298	0.064	0.028	6.56E-08	Neo-G	HOXB-AS1
MARCH5.2	4.43E-12	0.179812	0.252	0.184	6.62E-08	Neo-G	5-Mar
DDR2.5	4.47E-12	-0.12635	0.014	0.062	6.69E-08	Neo-G	DDR2
SASH1.4	4.50E-12	-0.13428	0.023	0.076	6.72E-08	Neo-G	SASH1
STAT2.1	4.51E-12	-0.18887	0.073	0.147	6.75E-08	Neo-G	STAT2
ARHGAP32.	4.52E-12	0.183194	0.131	0.079	6.75E-08	Neo-G	ARHGAP32
TXNL4A.3	4.57E-12	0.126171	0.474	0.403	6.83E-08	Neo-G	TXNL4A
OIP5.4	4.58E-12	-0.10374	0.005	0.046	6.85E-08	Neo-G	OIP5
ARHGAP11A	4.61E-12	-0.10822	0.003	0.043	6.89E-08	Neo-G	ARHGAP11A
DERL2.4	4.62E-12	-0.29722	0.255	0.364	6.90E-08	Neo-G	DERL2
SBN02.2	4.64E-12	-0.1017	0.013	0.061	6.94E-08	Neo-G	SBN02
SYNJ2.2	4.67E-12	-0.11036	0.007	0.05	6.98E-08	Neo-G	SYNJ2
ENOX2.3	4.68E-12	-0.15476	0.026	0.08	7.00E-08	Neo-G	ENOX2

VPS53. 4	4. 73E-12	0. 197248	0. 215	0. 152	7. 07E-08	Neo-G	VPS53
S1PR3	4. 77E-12	-0. 2108	0. 01	0. 055	7. 13E-08	Neo-G	S1PR3
HENMT1. 6	4. 87E-12	-0. 16732	0	0. 036	7. 27E-08	Neo-G	HENMT1
GPT2. 5	4. 87E-12	0. 203118	0. 202	0. 14	7. 27E-08	Neo-G	GPT2
NIPAL3. 3	4. 88E-12	-0. 18135	0. 031	0. 087	7. 29E-08	Neo-G	NIPAL3
ZNF502. 2	4. 89E-12	0. 119253	0. 078	0. 038	7. 30E-08	Neo-G	ZNF502
PRKCSH. 3	4. 90E-12	-0. 28703	0. 335	0. 442	7. 32E-08	Neo-G	PRKCSH
ZNF10	4. 99E-12	0. 12374	0. 079	0. 038	7. 46E-08	Neo-G	ZNF10
RARA. 2	5. 20E-12	0. 19104	0. 145	0. 09	7. 77E-08	Neo-G	RARA
RNGTT. 2	5. 20E-12	0. 157881	0. 12	0. 07	7. 77E-08	Neo-G	RNGTT
NAB1. 3	5. 23E-12	0. 240697	0. 178	0. 119	7. 81E-08	Neo-G	NAB1
PNMAL2	5. 25E-12	0. 103752	0. 041	0. 014	7. 84E-08	Neo-G	PNMAL2
USP14. 3	5. 32E-12	0. 197883	0. 315	0. 251	7. 96E-08	Neo-G	USP14
TMEM258. 3	5. 38E-12	-0. 28054	0. 707	0. 731	8. 04E-08	Neo-G	TMEM258
COG4. 4	5. 38E-12	0. 222598	0. 246	0. 184	8. 04E-08	Neo-G	COG4
ERLIN2. 1	5. 39E-12	-0. 15127	0. 06	0. 131	8. 05E-08	Neo-G	ERLIN2
SNX6. 5	5. 40E-12	-0. 29248	0. 332	0. 442	8. 08E-08	Neo-G	SNX6
MLXIPL. 3	5. 43E-12	-0. 19857	0. 004	0. 044	8. 11E-08	Neo-G	MLXIPL
TAGLN. 4	5. 44E-12	-0. 45821	0. 024	0. 076	8. 13E-08	Neo-G	TAGLN
ZNF586	5. 45E-12	0. 127613	0. 078	0. 038	8. 14E-08	Neo-G	ZNF586
PLB1. 6	5. 55E-12	-0. 16977	0. 005	0. 047	8. 29E-08	Neo-G	PLB1
ZFP30. 2	5. 63E-12	0. 153682	0. 087	0. 045	8. 42E-08	Neo-G	ZFP30
CINP. 2	5. 71E-12	-0. 22515	0. 163	0. 262	8. 53E-08	Neo-G	CINP
DEPDC1. 3	5. 75E-12	-0. 10293	0. 002	0. 039	8. 60E-08	Neo-G	DEPDC1
PTPN2. 6	5. 81E-12	-0. 28097	0. 169	0. 258	8. 68E-08	Neo-G	PTPN2
LHFPL3. 7	5. 81E-12	-0. 18407	0. 06	0. 127	8. 68E-08	Neo-G	LHFPL3
CLSTN1. 4	5. 82E-12	0. 203192	0. 338	0. 276	8. 70E-08	Neo-G	CLSTN1
ORAOV1. 3	5. 84E-12	0. 165827	0. 13	0. 077	8. 72E-08	Neo-G	ORAOV1
HPS5. 5	5. 95E-12	-0. 15243	0. 054	0. 121	8. 89E-08	Neo-G	HPS5
RFXAP. 3	5. 97E-12	0. 206143	0. 144	0. 089	8. 92E-08	Neo-G	RFXAP
DYNLT3. 2	5. 99E-12	-0. 27017	0. 204	0. 305	8. 96E-08	Neo-G	DYNLT3
JOSD1. 7	6. 02E-12	-0. 17607	0. 088	0. 166	9. 00E-08	Neo-G	JOSD1
VAT1. 3	6. 10E-12	0. 188136	0. 262	0. 194	9. 11E-08	Neo-G	VAT1
COX11. 4	6. 27E-12	0. 118065	0. 378	0. 311	9. 37E-08	Neo-G	COX11
NEK1. 4	6. 40E-12	0. 196704	0. 178	0. 12	9. 57E-08	Neo-G	NEK1
LRRC27. 2	6. 48E-12	0. 201406	0. 131	0. 08	9. 68E-08	Neo-G	LRRC27
C19orf81	6. 49E-12	0. 167482	0. 092	0. 048	9. 70E-08	Neo-G	C19orf81
PAOX. 3	6. 51E-12	-0. 11246	0. 012	0. 058	9. 73E-08	Neo-G	PAOX
CCDC22. 3	6. 58E-12	-0. 16876	0. 064	0. 134	9. 83E-08	Neo-G	CCDC22
RBM48. 3	6. 66E-12	0. 17766	0. 139	0. 084	9. 96E-08	Neo-G	RBM48
CMPK1. 4	6. 73E-12	0. 146516	0. 475	0. 409	1. 01E-07	Neo-G	CMPK1
SEPT8. 7	6. 74E-12	-0. 20345	0. 118	0. 205	1. 01E-07	Neo-G	8-Sep
EPHB2. 3	6. 77E-12	0. 184403	0. 13	0. 078	1. 01E-07	Neo-G	EPHB2
MTHFD1. 4	6. 92E-12	-0. 15262	0. 11	0. 197	1. 03E-07	Neo-G	MTHFD1
AC084219. 4	6. 99E-12	0. 114193	0. 069	0. 032	1. 05E-07	Neo-G	AC084219. 4
NUDT3. 5	7. 03E-12	0. 101148	0. 463	0. 392	1. 05E-07	Neo-G	NUDT3
EEF2K	7. 10E-12	-0. 11135	0. 008	0. 051	1. 06E-07	Neo-G	EEF2K
NAA15. 4	7. 22E-12	0. 217192	0. 271	0. 208	1. 08E-07	Neo-G	NAA15
IL15RA. 3	7. 24E-12	-0. 10791	0	0. 036	1. 08E-07	Neo-G	IL15RA
PSORS1C1. 1	7. 35E-12	-0. 14119	0. 002	0. 04	1. 10E-07	Neo-G	PSORS1C1
SPRED2. 2	7. 43E-12	-0. 11121	0. 053	0. 12	1. 11E-07	Neo-G	SPRED2

TMEM47. 5	7. 45E-12	-0. 10289	0. 03	0. 086	1. 11E-07	Neo-G	TMEM47
CTBP1. 3	7. 49E-12	0. 204808	0. 279	0. 216	1. 12E-07	Neo-G	CTBP1
SLC35A1. 1	7. 53E-12	0. 148554	0. 194	0. 13	1. 13E-07	Neo-G	SLC35A1
ZNF585A. 4	7. 60E-12	0. 163802	0. 101	0. 055	1. 14E-07	Neo-G	ZNF585A
WDFY2. 2	7. 69E-12	-0. 15656	0. 033	0. 09	1. 15E-07	Neo-G	WDFY2
SPN. 7	7. 72E-12	-0. 20756	0. 014	0. 06	1. 15E-07	Neo-G	SPN
FLVCR2. 4	8. 02E-12	-0. 1441	0. 002	0. 039	1. 20E-07	Neo-G	FLVCR2
HIST1H2AC	8. 05E-12	-0. 28308	0. 097	0. 175	1. 20E-07	Neo-G	HIST1H2AC
CTD-2270L	8. 08E-12	-0. 14046	0. 013	0. 06	1. 21E-07	Neo-G	CTD-2270L9. 4
TRUB1	8. 10E-12	0. 147216	0. 093	0. 049	1. 21E-07	Neo-G	TRUB1
PCDHB5	8. 31E-12	0. 108272	0. 033	0. 01	1. 24E-07	Neo-G	PCDHB5
XKR6	8. 50E-12	0. 171173	0. 065	0. 03	1. 27E-07	Neo-G	XKR6
RP11-100C	8. 53E-12	-0. 14536	0. 005	0. 045	1. 27E-07	Neo-G	RP11-1000B6. 3
RICTOR. 4	8. 64E-12	0. 15173	0. 25	0. 178	1. 29E-07	Neo-G	RICTOR
ZP3. 2	8. 88E-12	0. 154432	0. 115	0. 066	1. 33E-07	Neo-G	ZP3
MAGOHB. 4	8. 88E-12	0. 159417	0. 296	0. 231	1. 33E-07	Neo-G	MAGOHB
STYX. 1	9. 00E-12	-0. 11739	0. 026	0. 08	1. 34E-07	Neo-G	STYX
TTC7A. 7	9. 20E-12	-0. 20946	0. 027	0. 08	1. 38E-07	Neo-G	TTC7A
ARF6. 7	9. 23E-12	-0. 19903	0. 245	0. 355	1. 38E-07	Neo-G	ARF6
TXNRD1. 3	9. 33E-12	0. 19206	0. 294	0. 231	1. 39E-07	Neo-G	TXNRD1
PCED1B. 5	9. 53E-12	-0. 17594	0. 002	0. 04	1. 42E-07	Neo-G	PCED1B
GPR82. 4	9. 59E-12	0. 157788	0. 193	0. 128	1. 43E-07	Neo-G	GPR82
SLFN11. 4	9. 66E-12	-0. 15949	0. 006	0. 047	1. 44E-07	Neo-G	SLFN11
RTP4	9. 88E-12	-0. 15558	0. 001	0. 037	1. 48E-07	Neo-G	RTP4
NUP37. 3	9. 94E-12	-0. 14404	0. 067	0. 138	1. 49E-07	Neo-G	NUP37
ANKZF1. 4	1. 01E-11	0. 202375	0. 187	0. 127	1. 50E-07	Neo-G	ANKZF1
NOM1. 4	1. 01E-11	0. 190767	0. 167	0. 11	1. 51E-07	Neo-G	NOM1
SLC29A3. 3	1. 02E-11	-0. 17415	0. 007	0. 049	1. 52E-07	Neo-G	SLC29A3
FAM69A. 1	1. 03E-11	-0. 11256	0. 016	0. 065	1. 53E-07	Neo-G	FAM69A
TBC1D2B. 5	1. 03E-11	-0. 17171	0. 012	0. 057	1. 54E-07	Neo-G	TBC1D2B
OGFOD3. 4	1. 04E-11	-0. 13173	0. 137	0. 232	1. 56E-07	Neo-G	OGFOD3
PMPCA. 4	1. 06E-11	0. 162011	0. 305	0. 239	1. 58E-07	Neo-G	PMPCA
PPP1R12B. 1	1. 06E-11	0. 12769	0. 101	0. 054	1. 59E-07	Neo-G	PPP1R12B
PNPLA6. 3	1. 07E-11	-0. 17773	0. 096	0. 175	1. 61E-07	Neo-G	PNPLA6
EFS. 5	1. 08E-11	0. 261133	0. 154	0. 1	1. 61E-07	Neo-G	EFS
ZEB2. 4	1. 08E-11	0. 123486	0. 382	0. 294	1. 62E-07	Neo-G	ZEB2
CCDC69. 5	1. 09E-11	-0. 14967	0. 002	0. 04	1. 63E-07	Neo-G	CCDC69
SNRNP25. 3	1. 13E-11	0. 116727	0. 408	0. 343	1. 69E-07	Neo-G	SNRNP25
PDCD7. 3	1. 16E-11	0. 248945	0. 274	0. 214	1. 74E-07	Neo-G	PDCD7
NRCAM. 6	1. 16E-11	0. 1747	0. 332	0. 262	1. 74E-07	Neo-G	NRCAM
CPSF7. 1	1. 17E-11	0. 176507	0. 245	0. 18	1. 74E-07	Neo-G	CPSF7
ACSM5. 2	1. 18E-11	-0. 18376	0. 001	0. 037	1. 76E-07	Neo-G	ACSM5
PDCD2. 5	1. 18E-11	0. 198695	0. 347	0. 288	1. 76E-07	Neo-G	PDCD2
CDC16. 3	1. 18E-11	0. 211793	0. 251	0. 189	1. 76E-07	Neo-G	CDC16
INTS7. 1	1. 20E-11	0. 138695	0. 1	0. 054	1. 79E-07	Neo-G	INTS7
ACTR5	1. 21E-11	0. 155188	0. 091	0. 048	1. 81E-07	Neo-G	ACTR5
KIF23. 4	1. 21E-11	-0. 11987	0. 005	0. 044	1. 81E-07	Neo-G	KIF23
OAS3. 1	1. 23E-11	-0. 13611	0. 013	0. 058	1. 84E-07	Neo-G	OAS3
ALG2. 3	1. 24E-11	-0. 15947	0. 093	0. 172	1. 85E-07	Neo-G	ALG2
SPAG4. 3	1. 24E-11	-0. 19359	0. 009	0. 052	1. 86E-07	Neo-G	SPAG4
TFE3. 1	1. 24E-11	-0. 1377	0. 057	0. 124	1. 86E-07	Neo-G	TFE3



NUDT16L1. 1.	2.5E-11	0.188661	0.335	0.275	1.87E-07	Neo-G	NUDT16L1
FAM78A. 5	1.25E-11	-0.16912	0.002	0.04	1.87E-07	Neo-G	FAM78A
CUTC. 2	1.28E-11	-0.21779	0.064	0.133	1.91E-07	Neo-G	CUTC
ZNF653	1.30E-11	0.142571	0.075	0.037	1.94E-07	Neo-G	ZNF653
GREM1	1.32E-11	-0.30234	0.001	0.036	1.97E-07	Neo-G	GREM1
KCNJ2	1.33E-11	-0.1342	0.009	0.052	1.98E-07	Neo-G	KCNJ2
RBM22. 3	1.35E-11	0.123974	0.365	0.295	2.01E-07	Neo-G	RBM22
CDH24	1.36E-11	0.147675	0.065	0.03	2.03E-07	Neo-G	CDH24
PPFIA3. 5	1.39E-11	0.225824	0.134	0.084	2.08E-07	Neo-G	PPFIA3
AIDA. 3	1.47E-11	-0.23623	0.155	0.245	2.20E-07	Neo-G	AIDA
SLC26A2. 1	1.47E-11	-0.18425	0.049	0.111	2.20E-07	Neo-G	SLC26A2
RBCK1. 2	1.48E-11	-0.2001	0.244	0.349	2.21E-07	Neo-G	RBCK1
PVRL1. 6	1.49E-11	0.157438	0.102	0.056	2.23E-07	Neo-G	PVRL1
CXCL12. 2	1.51E-11	-0.21334	0.006	0.046	2.26E-07	Neo-G	CXCL12
CPED1. 4	1.53E-11	-0.1549	0.001	0.036	2.28E-07	Neo-G	CPED1
ZCCHC10. 2	1.54E-11	0.153299	0.294	0.226	2.30E-07	Neo-G	ZCCHC10
MYL9. 1	1.56E-11	-0.14553	0.002	0.038	2.32E-07	Neo-G	MYL9
MCPH1	1.57E-11	0.163278	0.117	0.068	2.35E-07	Neo-G	MCPH1
ERAP1. 2	1.57E-11	-0.1208	0.02	0.069	2.35E-07	Neo-G	ERAP1
EPHA4. 4	1.58E-11	-0.1099	0.031	0.087	2.36E-07	Neo-G	EPHA4
ST3GAL1. 6	1.61E-11	-0.23816	0.049	0.109	2.41E-07	Neo-G	ST3GAL1
SRM. 5	1.64E-11	0.204559	0.419	0.358	2.44E-07	Neo-G	SRM
CD180. 6	1.65E-11	-0.15364	0.003	0.041	2.46E-07	Neo-G	CD180
PPM1A. 3	1.67E-11	0.245218	0.236	0.175	2.49E-07	Neo-G	PPM1A
HLX. 3	1.68E-11	-0.1548	0.005	0.045	2.51E-07	Neo-G	HLX
BCOR. 1	1.68E-11	0.159071	0.093	0.049	2.51E-07	Neo-G	BCOR
SOX6. 6	1.70E-11	0.254494	0.193	0.135	2.54E-07	Neo-G	SOX6
NPNT	1.71E-11	-0.10004	0	0.034	2.55E-07	Neo-G	NPNT
BRCA2. 2	1.73E-11	-0.11304	0.009	0.051	2.58E-07	Neo-G	BRCA2
CERS1. 5	1.73E-11	-0.12238	0.065	0.136	2.59E-07	Neo-G	CERS1
CCM2. 3	1.75E-11	0.173385	0.341	0.277	2.61E-07	Neo-G	CCM2
LFNG	1.75E-11	-0.12023	0.008	0.049	2.61E-07	Neo-G	LFNG
DENND1C. 5	1.77E-11	-0.17167	0.002	0.038	2.65E-07	Neo-G	DENND1C
PLOD3. 4	1.80E-11	-0.16048	0.137	0.228	2.68E-07	Neo-G	PLOD3
PCCB. 2	1.81E-11	-0.1965	0.102	0.183	2.70E-07	Neo-G	PCCB
TMF1. 2	1.82E-11	0.171066	0.278	0.212	2.72E-07	Neo-G	TMF1
HJURP. 5	1.84E-11	-0.12799	0.005	0.044	2.75E-07	Neo-G	HJURP
PAXIP1-AS	1.87E-11	-0.10054	0.002	0.038	2.80E-07	Neo-G	PAXIP1-AS2
CCDC107. 4	1.89E-11	0.132328	0.452	0.383	2.83E-07	Neo-G	CCDC107
ALPK1. 2	1.93E-11	-0.1428	0.003	0.041	2.88E-07	Neo-G	ALPK1
UBE2D1. 4	1.97E-11	0.197588	0.324	0.26	2.95E-07	Neo-G	UBE2D1
PARK7. 4	1.98E-11	-0.25917	0.786	0.763	2.96E-07	Neo-G	PARK7
TIMM10. 4	2.05E-11	-0.22475	0.256	0.366	3.06E-07	Neo-G	TIMM10
TMEM248. 2	2.08E-11	-0.17532	0.203	0.306	3.11E-07	Neo-G	TMEM248
CSPG5. 6	2.08E-11	-0.22097	0.053	0.115	3.11E-07	Neo-G	CSPG5
C5orf38. 1	2.10E-11	0.141221	0.062	0.028	3.14E-07	Neo-G	C5orf38
RTTN	2.12E-11	-0.10459	0.007	0.048	3.17E-07	Neo-G	RTTN
TIPIN. 3	2.14E-11	-0.25413	0.078	0.149	3.20E-07	Neo-G	TIPIN
RP11-977G	2.14E-11	-0.11372	0.023	0.074	3.20E-07	Neo-G	RP11-977G19.11
PIFO. 5	2.15E-11	-0.22475	0.011	0.054	3.21E-07	Neo-G	PIFO
ZNF581. 3	2.23E-11	-0.19104	0.102	0.182	3.33E-07	Neo-G	ZNF581

NGFR. 4	2. 26E-11	0. 12892	0. 069	0. 032	3. 37E-07	Neo-G	NGFR
ARHGEF40.	2. 28E-11	-0. 16046	0. 067	0. 136	3. 40E-07	Neo-G	ARHGEF40
CCNDBP1. 7	2. 29E-11	-0. 24853	0. 13	0. 214	3. 42E-07	Neo-G	CCNDBP1
ABCA2. 7	2. 31E-11	-0. 26246	0. 043	0. 102	3. 45E-07	Neo-G	ABCA2
NEK2. 5	2. 31E-11	-0. 11522	0. 002	0. 037	3. 46E-07	Neo-G	NEK2
MYCL. 1	2. 33E-11	0. 110938	0. 056	0. 024	3. 48E-07	Neo-G	MYCL
CHEK2. 3	2. 33E-11	-0. 17194	0. 01	0. 053	3. 48E-07	Neo-G	CHEK2
TGM2. 3	2. 34E-11	-0. 14438	0. 004	0. 042	3. 50E-07	Neo-G	TGM2
YY1AP1. 1	2. 36E-11	0. 165587	0. 227	0. 163	3. 53E-07	Neo-G	YY1AP1
ELP2. 2	2. 37E-11	0. 145738	0. 263	0. 196	3. 55E-07	Neo-G	ELP2
SFR1. 4	2. 38E-11	-0. 21558	0. 024	0. 073	3. 55E-07	Neo-G	SFR1
AKR7A2. 3	2. 39E-11	-0. 15143	0. 218	0. 327	3. 58E-07	Neo-G	AKR7A2
SKA2. 5	2. 45E-11	0. 152259	0. 37	0. 299	3. 66E-07	Neo-G	SKA2
PPIA. 3	2. 45E-11	-0. 2328	0. 914	0. 87	3. 66E-07	Neo-G	PPIA
ADIPOR1. 6	2. 47E-11	-0. 24343	0. 288	0. 391	3. 69E-07	Neo-G	ADIPOR1
RAB42. 4	2. 53E-11	-0. 13723	0. 011	0. 054	3. 77E-07	Neo-G	RAB42
TRIM16. 5	2. 53E-11	0. 225292	0. 178	0. 124	3. 79E-07	Neo-G	TRIM16
ZFYVE19. 2	2. 55E-11	-0. 1498	0. 05	0. 114	3. 81E-07	Neo-G	ZFYVE19
CKAP2L. 6	2. 56E-11	-0. 13022	0. 009	0. 05	3. 83E-07	Neo-G	CKAP2L
KIFC3. 3	2. 60E-11	-0. 17554	0. 049	0. 111	3. 88E-07	Neo-G	KIFC3
POLR2H. 4	2. 61E-11	0. 125435	0. 381	0. 316	3. 89E-07	Neo-G	POLR2H
TAF10. 3	2. 71E-11	-0. 14573	0. 143	0. 236	4. 05E-07	Neo-G	TAF10
FUNDC1. 5	2. 71E-11	0. 136151	0. 304	0. 239	4. 05E-07	Neo-G	FUNDC1
PI4K2B. 3	2. 73E-11	-0. 10136	0. 035	0. 092	4. 07E-07	Neo-G	PI4K2B
TRAF3. 1	2. 74E-11	-0. 10589	0. 02	0. 068	4. 09E-07	Neo-G	TRAF3
EXOC4. 2	2. 74E-11	0. 200366	0. 218	0. 157	4. 10E-07	Neo-G	EXOC4
NCAPG. 5	2. 77E-11	-0. 11134	0. 006	0. 046	4. 15E-07	Neo-G	NCAPG
SNRPD3. 6	2. 78E-11	-0. 26234	0. 313	0. 426	4. 16E-07	Neo-G	SNRPD3
P2RY6. 6	2. 79E-11	-0. 14623	0. 002	0. 037	4. 18E-07	Neo-G	P2RY6
KCTD5. 2	2. 80E-11	0. 20855	0. 262	0. 201	4. 18E-07	Neo-G	KCTD5
SFRP4. 3	2. 81E-11	-0. 19622	0. 016	0. 062	4. 20E-07	Neo-G	SFRP4
CNKSR3. 6	2. 83E-11	-0. 11257	0. 058	0. 125	4. 23E-07	Neo-G	CNKSR3
C11orf24.	2. 89E-11	-0. 16736	0. 078	0. 15	4. 31E-07	Neo-G	C11orf24
SLC7A8. 2	2. 89E-11	-0. 17904	0. 008	0. 048	4. 32E-07	Neo-G	SLC7A8
APOL3. 1	2. 92E-11	-0. 15376	0. 003	0. 04	4. 37E-07	Neo-G	APOL3
ATPAF2. 4	2. 95E-11	-0. 16887	0. 132	0. 223	4. 41E-07	Neo-G	ATPAF2
RFX2. 1	2. 98E-11	-0. 15574	0. 042	0. 102	4. 46E-07	Neo-G	RFX2
SLC39A11.	3. 04E-11	-0. 13054	0. 027	0. 079	4. 54E-07	Neo-G	SLC39A11
COPG1	3. 04E-11	0. 154243	0. 29	0. 223	4. 55E-07	Neo-G	COPG1
MAD1L1. 3	3. 05E-11	0. 160619	0. 214	0. 15	4. 56E-07	Neo-G	MAD1L1
SLC12A7. 3	3. 06E-11	-0. 13357	0. 006	0. 046	4. 57E-07	Neo-G	SLC12A7
HMMR. 4	3. 06E-11	-0. 12652	0. 005	0. 044	4. 58E-07	Neo-G	HMMR
CCDC6. 1	3. 09E-11	-0. 1059	0. 053	0. 117	4. 62E-07	Neo-G	CCDC6
ABTB1. 6	3. 12E-11	-0. 23407	0. 05	0. 111	4. 66E-07	Neo-G	ABTB1
LINC01003	3. 12E-11	0. 272949	0. 243	0. 186	4. 66E-07	Neo-G	LINC01003
SLC35A4. 1	3. 14E-11	-0. 16182	0. 129	0. 218	4. 69E-07	Neo-G	SLC35A4
SLFN5. 1	3. 20E-11	-0. 15187	0. 018	0. 065	4. 78E-07	Neo-G	SLFN5
RNF126. 5	3. 20E-11	0. 213003	0. 341	0. 284	4. 78E-07	Neo-G	RNF126
UBA6-AS1.	3. 34E-11	0. 177328	0. 128	0. 078	4. 99E-07	Neo-G	UBA6-AS1
KCNN4. 4	3. 43E-11	-0. 13002	0. 002	0. 037	5. 13E-07	Neo-G	KCNN4
TLR3. 2	3. 55E-11	-0. 16491	0. 002	0. 037	5. 30E-07	Neo-G	TLR3

SERAC1	3.59E-11	0.117354	0.104	0.058	5.37E-07	Neo-G	SERAC1
ROM1.6	3.59E-11	-0.19445	0.056	0.12	5.37E-07	Neo-G	ROM1
PILRB.3	3.62E-11	0.174705	0.219	0.154	5.40E-07	Neo-G	PILRB
HAUS8.2	3.66E-11	-0.14003	0.034	0.089	5.47E-07	Neo-G	HAUS8
DPAGT1.1	3.67E-11	-0.21822	0.079	0.15	5.49E-07	Neo-G	DPAGT1
UNC119.3	3.70E-11	0.197671	0.272	0.21	5.53E-07	Neo-G	UNC119
COMMD10.2	3.74E-11	-0.2595	0.146	0.235	5.59E-07	Neo-G	COMMD10
ECHDC3.5	3.75E-11	-0.1475	0.002	0.036	5.60E-07	Neo-G	ECHDC3
ABCC4.3	3.78E-11	-0.12249	0.009	0.049	5.65E-07	Neo-G	ABCC4
HIPK3.3	3.84E-11	-0.1334	0.038	0.095	5.73E-07	Neo-G	HIPK3
KIF9.6	3.87E-11	-0.16164	0.102	0.183	5.78E-07	Neo-G	KIF9
TTPAL.2	3.87E-11	0.192211	0.194	0.136	5.79E-07	Neo-G	TTPAL
KCNAB2.6	3.90E-11	-0.19704	0.03	0.082	5.82E-07	Neo-G	KCNAB2
INPP1.3	3.96E-11	0.208806	0.203	0.145	5.92E-07	Neo-G	INPP1
FBXL20	4.19E-11	0.126898	0.075	0.037	6.27E-07	Neo-G	FBXL20
GUCY1A2.3	4.25E-11	0.155779	0.068	0.033	6.35E-07	Neo-G	GUCY1A2
ESYT1.6	4.28E-11	-0.14768	0.061	0.127	6.40E-07	Neo-G	ESYT1
ERMN.5	4.29E-11	-0.36773	0.005	0.042	6.41E-07	Neo-G	ERMN
RIPK2.6	4.30E-11	-0.22992	0.101	0.176	6.43E-07	Neo-G	RIPK2
SLC12A4.2	4.38E-11	-0.1066	0.022	0.071	6.55E-07	Neo-G	SLC12A4
NIPBL.2	4.47E-11	0.202216	0.294	0.232	6.69E-07	Neo-G	NIPBL
GON4L.4	4.49E-11	0.210592	0.266	0.208	6.72E-07	Neo-G	GON4L
CST7.4	4.55E-11	-0.21616	0.003	0.039	6.81E-07	Neo-G	CST7
TMEM199.3	4.70E-11	0.15502	0.298	0.236	7.02E-07	Neo-G	TMEM199
KLF16.1	4.74E-11	-0.10386	0.016	0.062	7.08E-07	Neo-G	KLF16
ARL15	4.75E-11	0.118735	0.082	0.041	7.09E-07	Neo-G	ARL15
PCOLCE.6	4.76E-11	0.145614	0.126	0.076	7.11E-07	Neo-G	PCOLCE
PDZD2.2	4.80E-11	-0.11867	0.008	0.048	7.17E-07	Neo-G	PDZD2
CES2.4	4.89E-11	0.204125	0.237	0.177	7.31E-07	Neo-G	CES2
PCAT6.1	4.92E-11	0.136869	0.075	0.037	7.36E-07	Neo-G	PCAT6
STARD4.2	4.94E-11	-0.11406	0.002	0.036	7.38E-07	Neo-G	STARD4
HVCN1.6	4.96E-11	-0.25323	0.046	0.102	7.41E-07	Neo-G	HVCN1
FKBP1A.4	4.96E-11	-0.24533	0.716	0.698	7.41E-07	Neo-G	FKBP1A
THEM4.3	5.12E-11	0.140985	0.12	0.071	7.65E-07	Neo-G	THEM4
LYSMD2.4	5.16E-11	-0.15872	0.119	0.202	7.71E-07	Neo-G	LYSMD2
ZNF846.4	5.20E-11	-0.21824	0.026	0.076	7.77E-07	Neo-G	ZNF846
NUFIP2.3	5.22E-11	-0.15239	0.153	0.246	7.80E-07	Neo-G	NUFIP2
VKORC1L1.5	5.23E-11	0.205807	0.181	0.125	7.81E-07	Neo-G	VKORC1L1
NTM.5	5.25E-11	0.119357	0.168	0.105	7.84E-07	Neo-G	NTM
SLC20A2.2	5.43E-11	-0.14818	0.056	0.12	8.12E-07	Neo-G	SLC20A2
DCBLD2.6	5.46E-11	-0.11941	0.079	0.151	8.15E-07	Neo-G	DCBLD2
CDCP1.5	5.49E-11	-0.15289	0.002	0.037	8.21E-07	Neo-G	CDCP1
DPP9.2	5.51E-11	-0.12853	0.068	0.136	8.23E-07	Neo-G	DPP9
MEMO1.2	5.55E-11	0.129681	0.151	0.096	8.30E-07	Neo-G	MEMO1
RNF41.1	5.66E-11	0.164867	0.222	0.16	8.46E-07	Neo-G	RNF41
CIITA.3	5.81E-11	-0.17262	0.005	0.042	8.68E-07	Neo-G	CIITA
P2RX7.2	5.84E-11	-0.21101	0.035	0.089	8.72E-07	Neo-G	P2RX7
DPEP2.5	5.84E-11	-0.18398	0.002	0.037	8.73E-07	Neo-G	DPEP2
ADD1.5	5.85E-11	0.150279	0.362	0.301	8.74E-07	Neo-G	ADD1
MED11.1	5.87E-11	-0.1743	0.137	0.227	8.78E-07	Neo-G	MED11
URM1.1	5.98E-11	-0.25679	0.266	0.369	8.93E-07	Neo-G	URM1

STK4. 5	5. 98E-11	-0. 25899	0. 202	0. 297	8. 93E-07	Neo-G	STK4
NCLN. 3	5. 99E-11	-0. 10277	0. 094	0. 173	8. 95E-07	Neo-G	NCLN
VPS13D. 1	5. 99E-11	-0. 13331	0. 026	0. 077	8. 96E-07	Neo-G	VPS13D
PRR11. 3	6. 11E-11	-0. 11665	0. 021	0. 069	9. 13E-07	Neo-G	PRR11
GNPNAT1. 1	6. 15E-11	-0. 11911	0. 047	0. 108	9. 19E-07	Neo-G	GNPNAT1
MAP7. 4	6. 16E-11	-0. 20834	0. 005	0. 043	9. 21E-07	Neo-G	MAP7
FBXO6. 3	6. 20E-11	-0. 14376	0. 029	0. 081	9. 26E-07	Neo-G	FBXO6
PCTP. 3	6. 21E-11	-0. 18044	0. 027	0. 078	9. 28E-07	Neo-G	PCTP
TRAF7. 4	6. 25E-11	-0. 14335	0. 115	0. 198	9. 34E-07	Neo-G	TRAF7
ISOC1. 3	6. 30E-11	0. 17319	0. 219	0. 158	9. 41E-07	Neo-G	ISOC1
AACS. 1	6. 38E-11	0. 152703	0. 103	0. 058	9. 53E-07	Neo-G	AACS
FRMD8. 2	6. 57E-11	-0. 14426	0. 059	0. 123	9. 82E-07	Neo-G	FRMD8
ALG13. 5	6. 63E-11	-0. 23028	0. 144	0. 229	9. 91E-07	Neo-G	ALG13
FAM65B	6. 63E-11	0. 127786	0. 068	0. 032	9. 91E-07	Neo-G	FAM65B
RP11-742E	6. 64E-11	-0. 16091	0. 001	0. 034	9. 92E-07	Neo-G	RP11-742B18. 1
TRMT13. 3	6. 66E-11	0. 16289	0. 189	0. 13	9. 95E-07	Neo-G	TRMT13
DNPEP. 1	6. 72E-11	-0. 16037	0. 158	0. 252	1. 00E-06	Neo-G	DNPEP
TAX1BP3. 5	6. 72E-11	-0. 29537	0. 291	0. 393	1. 00E-06	Neo-G	TAX1BP3
ITGA4. 6	6. 88E-11	-0. 16725	0. 008	0. 047	1. 03E-06	Neo-G	ITGA4
ACP2. 4	7. 06E-11	-0. 22549	0. 163	0. 253	1. 06E-06	Neo-G	ACP2
ABHD17A. 6	7. 08E-11	-0. 16458	0. 155	0. 245	1. 06E-06	Neo-G	ABHD17A
ZXDA	7. 16E-11	0. 107207	0. 046	0. 018	1. 07E-06	Neo-G	ZXDA
SIGLEC1. 3	7. 29E-11	-0. 15113	0	0. 032	1. 09E-06	Neo-G	SIGLEC1
PLXNA3. 3	7. 45E-11	0. 15387	0. 106	0. 061	1. 11E-06	Neo-G	PLXNA3
BOLA2B. 1	7. 49E-11	-0. 1734	0. 027	0. 078	1. 12E-06	Neo-G	BOLA2B
PFKL. 6	7. 58E-11	-0. 19494	0. 267	0. 375	1. 13E-06	Neo-G	PFKL
MAG. 5	7. 59E-11	-0. 38549	0. 005	0. 041	1. 13E-06	Neo-G	MAG
FLT3LG	7. 64E-11	-0. 12771	0. 005	0. 041	1. 14E-06	Neo-G	FLT3LG
MED22. 3	7. 68E-11	0. 181463	0. 153	0. 099	1. 15E-06	Neo-G	MED22
CAPNS1. 5	7. 75E-11	-0. 20034	0. 247	0. 351	1. 16E-06	Neo-G	CAPNS1
AK9	7. 75E-11	0. 126808	0. 095	0. 052	1. 16E-06	Neo-G	AK9
DSCC1. 3	7. 77E-11	0. 157754	0. 098	0. 055	1. 16E-06	Neo-G	DSCC1
ZNF627. 4	7. 85E-11	0. 181272	0. 119	0. 072	1. 17E-06	Neo-G	ZNF627
PCNA. 5	7. 86E-11	-0. 28384	0. 231	0. 325	1. 18E-06	Neo-G	PCNA
FAM72A. 2	7. 89E-11	-0. 15054	0. 007	0. 046	1. 18E-06	Neo-G	FAM72A
KANSL2. 4	7. 92E-11	0. 174205	0. 203	0. 143	1. 18E-06	Neo-G	KANSL2
KLHL28. 5	7. 95E-11	0. 183421	0. 17	0. 113	1. 19E-06	Neo-G	KLHL28
RNASE3. 5	8. 01E-11	-0. 20635	0. 002	0. 037	1. 20E-06	Neo-G	RNASE3
MCCC2. 2	8. 03E-11	-0. 11989	0. 071	0. 141	1. 20E-06	Neo-G	MCCC2
MON1A. 4	8. 04E-11	0. 197003	0. 13	0. 081	1. 20E-06	Neo-G	MON1A
SLIRP. 2	8. 05E-11	-0. 25959	0. 566	0. 628	1. 20E-06	Neo-G	SLIRP
CCNJ	8. 06E-11	0. 112576	0. 051	0. 021	1. 20E-06	Neo-G	CCNJ
ATP11A. 3	8. 11E-11	-0. 12728	0. 045	0. 103	1. 21E-06	Neo-G	ATP11A
P4HA2. 2	8. 22E-11	-0. 12633	0. 033	0. 086	1. 23E-06	Neo-G	P4HA2
SMIM10. 2	8. 30E-11	-0. 10541	0. 011	0. 053	1. 24E-06	Neo-G	SMIM10
BUB1. 4	8. 33E-11	-0. 1077	0. 006	0. 044	1. 25E-06	Neo-G	BUB1
ZNF426. 4	8. 76E-11	0. 177255	0. 16	0. 107	1. 31E-06	Neo-G	ZNF426
NDUFB5. 1	8. 83E-11	-0. 29293	0. 489	0. 57	1. 32E-06	Neo-G	NDUFB5
PCDH17. 5	8. 90E-11	-0. 16366	0. 119	0. 2	1. 33E-06	Neo-G	PCDH17
ARHGAP31	8. 97E-11	-0. 11301	0. 009	0. 05	1. 34E-06	Neo-G	ARHGAP31
ABCD1. 4	9. 11E-11	-0. 1226	0. 01	0. 051	1. 36E-06	Neo-G	ABCD1

THAP5. 5	9. 13E-11	0. 163907	0. 234	0. 172	1. 36E-06	Neo-G	THAP5
RNMT. 1	9. 24E-11	0. 114317	0. 364	0. 296	1. 38E-06	Neo-G	RNMT
CTA-292E1	9. 47E-11	-0. 10828	0. 005	0. 043	1. 41E-06	Neo-G	CTA-292E10. 6
RDH14. 4	9. 47E-11	0. 227275	0. 239	0. 181	1. 42E-06	Neo-G	RDH14
GNPTAB. 2	9. 53E-11	0. 164001	0. 211	0. 149	1. 42E-06	Neo-G	GNPTAB
OTOA. 4	9. 56E-11	-0. 14228	0. 002	0. 035	1. 43E-06	Neo-G	OTOA
CCNK. 1	9. 57E-11	-0. 1137	0. 064	0. 131	1. 43E-06	Neo-G	CCNK
PRR7. 7	9. 63E-11	0. 246466	0. 237	0. 182	1. 44E-06	Neo-G	PRR7
USP48. 2	9. 67E-11	0. 181888	0. 268	0. 208	1. 45E-06	Neo-G	USP48
AEBP1. 6	9. 79E-11	-0. 24108	0. 065	0. 128	1. 46E-06	Neo-G	AEBP1
DBR1. 2	9. 79E-11	0. 14156	0. 122	0. 073	1. 46E-06	Neo-G	DBR1
BACH1. 4	9. 83E-11	-0. 16806	0. 053	0. 114	1. 47E-06	Neo-G	BACH1
DAD1. 3	9. 84E-11	-0. 27599	0. 668	0. 727	1. 47E-06	Neo-G	DAD1
PLEKHA2. 3	1. 04E-10	-0. 14214	0. 058	0. 121	1. 55E-06	Neo-G	PLEKHA2
RBBP6. 3	1. 04E-10	0. 188318	0. 365	0. 307	1. 55E-06	Neo-G	RBBP6
BAZ2A. 2	1. 05E-10	0. 189668	0. 243	0. 183	1. 56E-06	Neo-G	BAZ2A
CHURC1. 3	1. 05E-10	-0. 24416	0. 302	0. 412	1. 57E-06	Neo-G	CHURC1
SSH1. 3	1. 06E-10	-0. 15379	0. 035	0. 089	1. 58E-06	Neo-G	SSH1
MYOM2. 1	1. 06E-10	0. 14496	0. 078	0. 04	1. 58E-06	Neo-G	MYOM2
CYP3A5. 4	1. 06E-10	0. 193584	0. 097	0. 055	1. 58E-06	Neo-G	CYP3A5
C6orf141. 1	1. 06E-10	-0. 13176	0. 001	0. 033	1. 59E-06	Neo-G	C6orf141
MYL12B. 5	1. 10E-10	-0. 3	0. 711	0. 729	1. 65E-06	Neo-G	MYL12B
ERI1. 1	1. 10E-10	-0. 13905	0. 057	0. 119	1. 65E-06	Neo-G	ERI1
GPATCH4. 2	1. 12E-10	-0. 16264	0. 119	0. 202	1. 67E-06	Neo-G	GPATCH4
GMPPA. 2	1. 12E-10	-0. 18521	0. 093	0. 168	1. 68E-06	Neo-G	GMPPA
SMAP2. 6	1. 13E-10	-0. 30642	0. 17	0. 244	1. 69E-06	Neo-G	SMAP2
PXMP2. 5	1. 16E-10	0. 220954	0. 273	0. 217	1. 73E-06	Neo-G	PXMP2
PVRL2. 6	1. 17E-10	-0. 17919	0. 163	0. 253	1. 74E-06	Neo-G	PVRL2
SDHC. 3	1. 17E-10	-0. 3368	0. 489	0. 565	1. 75E-06	Neo-G	SDHC
RHOBTB2	1. 19E-10	0. 137892	0. 084	0. 044	1. 78E-06	Neo-G	RHOBTB2
EEFSEC. 1	1. 19E-10	0. 20371	0. 152	0. 099	1. 78E-06	Neo-G	EEFSEC
FAM107A. 2	1. 19E-10	-0. 18608	0. 011	0. 051	1. 78E-06	Neo-G	FAM107A
RRAGC. 2	1. 21E-10	0. 165869	0. 305	0. 24	1. 80E-06	Neo-G	RRAGC
ZNF334. 4	1. 22E-10	0. 171007	0. 113	0. 067	1. 82E-06	Neo-G	ZNF334
TYW3. 1	1. 22E-10	-0. 16123	0. 078	0. 147	1. 83E-06	Neo-G	TYW3
PLA2G15. 6	1. 22E-10	-0. 22987	0. 079	0. 146	1. 83E-06	Neo-G	PLA2G15
SPTSSB. 4	1. 23E-10	-0. 13843	0. 005	0. 041	1. 83E-06	Neo-G	SPTSSB
THOC2. 1	1. 24E-10	0. 168089	0. 353	0. 298	1. 85E-06	Neo-G	THOC2
LUCAT1. 2	1. 24E-10	-0. 1526	0. 004	0. 039	1. 85E-06	Neo-G	LUCAT1
IP6K1. 4	1. 25E-10	0. 199548	0. 202	0. 145	1. 86E-06	Neo-G	IP6K1
SELT. 3	1. 25E-10	-0. 30705	0. 61	0. 665	1. 87E-06	Neo-G	SELT
C11orf71	1. 26E-10	-0. 19082	0. 006	0. 043	1. 88E-06	Neo-G	C11orf71
ST3GAL3. 4	1. 27E-10	0. 174202	0. 13	0. 081	1. 89E-06	Neo-G	ST3GAL3
GCNT2. 1	1. 30E-10	0. 117514	0. 077	0. 039	1. 94E-06	Neo-G	GCNT2
INSR. 5	1. 30E-10	0. 140577	0. 201	0. 138	1. 94E-06	Neo-G	INSR
EHBP1L1. 6	1. 36E-10	-0. 13536	0. 027	0. 076	2. 03E-06	Neo-G	EHBP1L1
PLA2G4A. 3	1. 36E-10	-0. 14151	0. 002	0. 036	2. 03E-06	Neo-G	PLA2G4A
CAPN7. 1	1. 36E-10	0. 184879	0. 162	0. 108	2. 04E-06	Neo-G	CAPN7
STC2. 2	1. 37E-10	0. 179134	0. 075	0. 037	2. 04E-06	Neo-G	STC2
CMSS1. 4	1. 37E-10	0. 149019	0. 34	0. 283	2. 05E-06	Neo-G	CMSS1
ADRBK1. 7	1. 40E-10	-0. 19017	0. 043	0. 098	2. 09E-06	Neo-G	ADRBK1

EHD1. 4	1. 40E-10	0. 179532	0. 171	0. 115	2. 09E-06	Neo-G	EHD1
F2R. 7	1. 40E-10	0. 214145	0. 219	0. 163	2. 10E-06	Neo-G	F2R
SUPT20H. 4	1. 41E-10	0. 208633	0. 258	0. 201	2. 10E-06	Neo-G	SUPT20H
C6orf15. 4	1. 41E-10	-0. 18943	0	0. 031	2. 10E-06	Neo-G	C6orf15
FNTB. 3	1. 44E-10	-0. 15252	0. 038	0. 092	2. 16E-06	Neo-G	FNTB
LYRM5. 4	1. 45E-10	-0. 24377	0. 247	0. 352	2. 16E-06	Neo-G	LYRM5
TMX3. 1	1. 45E-10	-0. 13589	0. 091	0. 166	2. 16E-06	Neo-G	TMX3
GPM6B. 7	1. 46E-10	-0. 37443	0. 764	0. 601	2. 19E-06	Neo-G	GPM6B
TIFA. 2	1. 47E-10	-0. 16566	0. 018	0. 063	2. 19E-06	Neo-G	TIFA
NRSN2. 6	1. 53E-10	0. 232023	0. 211	0. 158	2. 29E-06	Neo-G	NRSN2
GALNT6. 3	1. 54E-10	-0. 13989	0. 001	0. 033	2. 30E-06	Neo-G	GALNT6
RP3-508I1	1. 55E-10	-0. 10954	0. 001	0. 033	2. 32E-06	Neo-G	RP3-508I15. 14
NUDT14. 7	1. 58E-10	-0. 22295	0. 124	0. 2	2. 36E-06	Neo-G	NUDT14
TOMM5. 6	1. 60E-10	-0. 19148	0. 134	0. 218	2. 40E-06	Neo-G	TOMM5
ADI1. 3	1. 61E-10	0. 101031	0. 469	0. 399	2. 41E-06	Neo-G	ADI1
GBGT1. 6	1. 62E-10	-0. 17659	0. 013	0. 054	2. 43E-06	Neo-G	GBGT1
TRPS1	1. 64E-10	-0. 1036	0. 065	0. 132	2. 45E-06	Neo-G	TRPS1
MT1A. 4	1. 65E-10	-0. 2089	0. 001	0. 033	2. 46E-06	Neo-G	MT1A
FAM177B. 3	1. 67E-10	-0. 16902	0. 002	0. 034	2. 49E-06	Neo-G	FAM177B
ZNF569. 3	1. 71E-10	0. 167887	0. 109	0. 064	2. 55E-06	Neo-G	ZNF569
ASL. 5	1. 74E-10	-0. 23544	0. 104	0. 179	2. 60E-06	Neo-G	ASL
SS18. 2	1. 77E-10	-0. 15173	0. 035	0. 088	2. 64E-06	Neo-G	SS18
GAB1. 5	1. 78E-10	-0. 11855	0. 049	0. 108	2. 66E-06	Neo-G	GAB1
ECI1. 4	1. 78E-10	-0. 10613	0. 134	0. 223	2. 66E-06	Neo-G	ECI1
MAPKAPK2.	1. 79E-10	-0. 15754	0. 073	0. 14	2. 68E-06	Neo-G	MAPKAPK2
TBC1D1. 7	1. 83E-10	-0. 13479	0. 065	0. 13	2. 73E-06	Neo-G	TBC1D1
PCSK2. 3	1. 86E-10	0. 140865	0. 054	0. 024	2. 79E-06	Neo-G	PCSK2
PNRC2	1. 88E-10	-0. 27474	0. 018	0. 062	2. 81E-06	Neo-G	PNRC2
BRAT1. 2	1. 88E-10	0. 178698	0. 238	0. 177	2. 81E-06	Neo-G	BRAT1
FKBP15. 6	1. 88E-10	-0. 20099	0. 079	0. 145	2. 81E-06	Neo-G	FKBP15
GATSL3	1. 94E-10	-0. 12337	0. 011	0. 051	2. 90E-06	Neo-G	GATSL3
SEMA4D. 6	1. 94E-10	-0. 24765	0. 035	0. 086	2. 90E-06	Neo-G	SEMA4D
DDX60	1. 99E-10	-0. 11729	0. 008	0. 046	2. 98E-06	Neo-G	DDX60
KCNQ1. 6	2. 00E-10	-0. 16287	0. 006	0. 043	2. 99E-06	Neo-G	KCNQ1
TAF13. 2	2. 01E-10	-0. 11623	0. 075	0. 144	3. 00E-06	Neo-G	TAF13
EPOR. 4	2. 02E-10	-0. 13283	0. 026	0. 074	3. 02E-06	Neo-G	EPOR
HSPA4. 3	2. 03E-10	0. 159181	0. 328	0. 27	3. 04E-06	Neo-G	HSPA4
IL2RA. 5	2. 04E-10	-0. 2487	0. 002	0. 035	3. 05E-06	Neo-G	IL2RA
ATXN1. 2	2. 05E-10	-0. 16227	0. 097	0. 171	3. 06E-06	Neo-G	ATXN1
TBC1D17. 3	2. 06E-10	0. 176765	0. 208	0. 149	3. 07E-06	Neo-G	TBC1D17
CYB5R2. 2	2. 06E-10	-0. 15983	0. 002	0. 034	3. 08E-06	Neo-G	CYB5R2
DST. 6	2. 07E-10	0. 103535	0. 46	0. 366	3. 09E-06	Neo-G	DST
HSBP1L1. 4	2. 08E-10	-0. 16116	0. 03	0. 079	3. 11E-06	Neo-G	HSBP1L1
CKS2. 7	2. 11E-10	-0. 32282	0. 298	0. 375	3. 15E-06	Neo-G	CKS2
PTPN18. 7	2. 11E-10	-0. 17584	0. 137	0. 22	3. 16E-06	Neo-G	PTPN18
DTWD1	2. 13E-10	-0. 12411	0. 075	0. 144	3. 18E-06	Neo-G	DTWD1
TRIAP1. 4	2. 15E-10	0. 127058	0. 365	0. 307	3. 22E-06	Neo-G	TRIAP1
P4HTM. 5	2. 16E-10	0. 208154	0. 308	0. 256	3. 23E-06	Neo-G	P4HTM
POLR3F. 4	2. 16E-10	0. 211934	0. 185	0. 131	3. 23E-06	Neo-G	POLR3F
IFIT3. 5	2. 17E-10	-0. 29399	0. 057	0. 114	3. 24E-06	Neo-G	IFIT3
ARHGEF11	2. 18E-10	0. 156801	0. 068	0. 034	3. 25E-06	Neo-G	ARHGEF11

UBN1. 4	2. 20E-10	0. 227442	0. 214	0. 161	3. 29E-06	Neo-G	UBN1
GNG11. 2	2. 21E-10	-0. 17746	0. 005	0. 041	3. 30E-06	Neo-G	GNG11
AQP11	2. 24E-10	0. 177631	0. 069	0. 035	3. 35E-06	Neo-G	AQP11
AKNA. 5	2. 25E-10	-0. 22534	0. 029	0. 077	3. 37E-06	Neo-G	AKNA
INTS12. 4	2. 32E-10	0. 165249	0. 217	0. 158	3. 46E-06	Neo-G	INTS12
IL1R2. 4	2. 32E-10	-0. 18598	0. 001	0. 032	3. 47E-06	Neo-G	IL1R2
KDM6B. 6	2. 35E-10	0. 112668	0. 295	0. 214	3. 51E-06	Neo-G	KDM6B
AP005530. 2	2. 35E-10	-0. 15421	0. 001	0. 032	3. 52E-06	Neo-G	AP005530. 2
RCN1. 7	2. 38E-10	0. 149502	0. 413	0. 347	3. 56E-06	Neo-G	RCN1
FAR1. 2	2. 46E-10	-0. 14522	0. 076	0. 145	3. 68E-06	Neo-G	FAR1
CPNE2. 7	2. 47E-10	-0. 15352	0. 108	0. 186	3. 69E-06	Neo-G	CPNE2
ANPEP. 6	2. 47E-10	-0. 1471	0. 002	0. 035	3. 70E-06	Neo-G	ANPEP
EXOSC6	2. 52E-10	-0. 12877	0. 022	0. 069	3. 76E-06	Neo-G	EXOSC6
TMEM203. 5	2. 55E-10	0. 206697	0. 299	0. 246	3. 81E-06	Neo-G	TMEM203
DOLK. 5	2. 57E-10	-0. 12793	0. 068	0. 133	3. 84E-06	Neo-G	DOLK
ATAD2B. 1	2. 57E-10	0. 147255	0. 097	0. 055	3. 84E-06	Neo-G	ATAD2B
ZBED1. 3	2. 57E-10	0. 190473	0. 189	0. 133	3. 85E-06	Neo-G	ZBED1
KNOP1. 5	2. 58E-10	0. 19206	0. 308	0. 254	3. 86E-06	Neo-G	KNOP1
SSR4. 3	2. 59E-10	-0. 27274	0. 756	0. 763	3. 87E-06	Neo-G	SSR4
DCTD. 1	2. 60E-10	-0. 16376	0. 171	0. 266	3. 88E-06	Neo-G	DCTD
RP11-138A	2. 62E-10	-0. 23763	0. 07	0. 132	3. 91E-06	Neo-G	RP11-138A9. 1
NLGN4X. 5	2. 62E-10	0. 209318	0. 15	0. 1	3. 91E-06	Neo-G	NLGN4X
SLC35F6. 4	2. 64E-10	-0. 17266	0. 135	0. 218	3. 95E-06	Neo-G	SLC35F6
ST5. 7	2. 64E-10	-0. 14802	0. 086	0. 159	3. 95E-06	Neo-G	ST5
ARHGAP11E	2. 72E-10	-0. 10982	0. 006	0. 042	4. 06E-06	Neo-G	ARHGAP11B
ZNF398. 6	2. 74E-10	0. 165778	0. 094	0. 053	4. 10E-06	Neo-G	ZNF398
HERC6	2. 75E-10	-0. 11657	0. 004	0. 038	4. 11E-06	Neo-G	HERC6
DPH7. 6	2. 79E-10	0. 209992	0. 217	0. 161	4. 16E-06	Neo-G	DPH7
MSANTD2. 1	2. 84E-10	0. 184057	0. 097	0. 055	4. 25E-06	Neo-G	MSANTD2
IL18BP	2. 87E-10	-0. 12881	0. 007	0. 044	4. 28E-06	Neo-G	IL18BP
RPE. 1	3. 00E-10	-0. 15383	0. 092	0. 166	4. 48E-06	Neo-G	RPE
PI4K2A. 6	3. 05E-10	-0. 14262	0. 024	0. 07	4. 56E-06	Neo-G	PI4K2A
BOLA3-AS1	3. 07E-10	0. 145514	0. 071	0. 036	4. 59E-06	Neo-G	BOLA3-AS1
ELP4. 2	3. 13E-10	-0. 15281	0. 042	0. 098	4. 67E-06	Neo-G	ELP4
WHAMM. 1	3. 13E-10	-0. 12313	0. 053	0. 113	4. 68E-06	Neo-G	WHAMM
ZNF780A. 2	3. 26E-10	-0. 16964	0. 026	0. 073	4. 87E-06	Neo-G	ZNF780A
TRIM47. 7	3. 32E-10	-0. 16657	0. 112	0. 188	4. 96E-06	Neo-G	TRIM47
SEPHS2. 3	3. 50E-10	0. 17304	0. 364	0. 307	5. 23E-06	Neo-G	SEPHS2
PRC1. 6	3. 51E-10	-0. 20309	0. 04	0. 092	5. 24E-06	Neo-G	PRC1
SNX18. 3	3. 51E-10	-0. 14294	0. 059	0. 12	5. 25E-06	Neo-G	SNX18
PI3. 3	3. 56E-10	-0. 41479	0. 016	0. 057	5. 32E-06	Neo-G	PI3
PRR5. 6	3. 56E-10	-0. 15524	0. 012	0. 051	5. 33E-06	Neo-G	PRR5
ZNF451. 3	3. 59E-10	0. 167509	0. 214	0. 156	5. 36E-06	Neo-G	ZNF451
MBNL2. 3	3. 60E-10	-0. 1787	0. 046	0. 102	5. 37E-06	Neo-G	MBNL2
TRAP1. 4	3. 62E-10	0. 191916	0. 309	0. 252	5. 41E-06	Neo-G	TRAP1
CRIP1. 5	3. 63E-10	-0. 23179	0. 007	0. 043	5. 42E-06	Neo-G	CRIP1
MOG. 5	3. 67E-10	-0. 26357	0. 002	0. 035	5. 48E-06	Neo-G	MOG
MMP16. 5	3. 69E-10	0. 202178	0. 148	0. 098	5. 52E-06	Neo-G	MMP16
DSN1. 3	3. 73E-10	-0. 12746	0. 049	0. 106	5. 57E-06	Neo-G	DSN1
GPR37. 4	3. 77E-10	-0. 24251	0. 03	0. 078	5. 64E-06	Neo-G	GPR37
SLC25A12. 3	3. 78E-10	0. 156333	0. 116	0. 07	5. 66E-06	Neo-G	SLC25A12

TDP2. 3	3. 83E-10	0. 139388	0. 237	0. 176	5. 72E-06	Neo-G	TDP2
C20orf96.	3. 89E-10	0. 253115	0. 196	0. 145	5. 81E-06	Neo-G	C20orf96
ZNF443	3. 89E-10	0. 107007	0. 053	0. 023	5. 82E-06	Neo-G	ZNF443
TMEM100. 7	3. 93E-10	-0. 25264	0. 042	0. 094	5. 87E-06	Neo-G	TMEM100
ATP6V1B1	4. 02E-10	0. 116913	0. 05	0. 022	6. 01E-06	Neo-G	ATP6V1B1
IL12RB1. 6	4. 06E-10	-0. 15119	0. 002	0. 035	6. 07E-06	Neo-G	IL12RB1
RP11-489C	4. 09E-10	-0. 16663	0. 001	0. 031	6. 12E-06	Neo-G	RP11-489018. 1
RAPGEF1. 5	4. 11E-10	-0. 2157	0. 064	0. 124	6. 14E-06	Neo-G	RAPGEF1
ZUFSP. 1	4. 16E-10	0. 171984	0. 128	0. 08	6. 22E-06	Neo-G	ZUFSP
STX3. 2	4. 17E-10	0. 110172	0. 118	0. 07	6. 24E-06	Neo-G	STX3
CREBL2. 5	4. 20E-10	-0. 23234	0. 122	0. 197	6. 27E-06	Neo-G	CREBL2
CCDC66. 6	4. 22E-10	0. 18017	0. 28	0. 223	6. 31E-06	Neo-G	CCDC66
OTUD7B. 5	4. 22E-10	-0. 12921	0. 049	0. 107	6. 31E-06	Neo-G	OTUD7B
RP3-47704	4. 25E-10	-0. 15363	0. 001	0. 031	6. 35E-06	Neo-G	RP3-47704. 14
TRMT112. 4	4. 28E-10	-0. 30588	0. 679	0. 71	6. 40E-06	Neo-G	TRMT112
WNT5A. 7	4. 32E-10	-0. 1545	0. 02	0. 063	6. 45E-06	Neo-G	WNT5A
ATF6. 4	4. 33E-10	-0. 18449	0. 168	0. 258	6. 48E-06	Neo-G	ATF6
MBLAC1	4. 37E-10	0. 116875	0. 047	0. 02	6. 54E-06	Neo-G	MBLAC1
SLC20A1. 1	4. 38E-10	-0. 17879	0. 112	0. 186	6. 55E-06	Neo-G	SLC20A1
NIFK-AS1.	4. 42E-10	0. 173678	0. 131	0. 083	6. 60E-06	Neo-G	NIFK-AS1
UBA6. 2	4. 45E-10	0. 182696	0. 246	0. 188	6. 65E-06	Neo-G	UBA6
RP11-127E	4. 46E-10	0. 150723	0. 082	0. 043	6. 67E-06	Neo-G	RP11-127B20. 3
RPP38. 1	4. 48E-10	-0. 12692	0. 073	0. 14	6. 70E-06	Neo-G	RPP38
TRIQK. 1	4. 53E-10	0. 136315	0. 097	0. 055	6. 78E-06	Neo-G	TRIQK
NLRC5	4. 61E-10	-0. 11039	0. 008	0. 044	6. 89E-06	Neo-G	NLRC5
ZCCHC14. 2	4. 61E-10	0. 147858	0. 084	0. 045	6. 90E-06	Neo-G	ZCCHC14
DEF8. 6	4. 62E-10	0. 138522	0. 321	0. 264	6. 91E-06	Neo-G	DEF8
EIF4B. 6	4. 65E-10	-0. 22733	0. 295	0. 388	6. 95E-06	Neo-G	EIF4B
UNG. 4	4. 68E-10	0. 166226	0. 17	0. 116	6. 99E-06	Neo-G	UNG
APEH. 1	4. 75E-10	-0. 16947	0. 124	0. 205	7. 09E-06	Neo-G	APEH
MXRA8. 2	4. 78E-10	-0. 10107	0. 005	0. 039	7. 15E-06	Neo-G	MXRA8
IL6. 2	4. 79E-10	-0. 19194	0. 008	0. 044	7. 17E-06	Neo-G	IL6
PTPN9. 1	4. 80E-10	-0. 11085	0. 067	0. 131	7. 17E-06	Neo-G	PTPN9
TGS1. 2	4. 87E-10	0. 18081	0. 21	0. 154	7. 27E-06	Neo-G	TGS1
BET1L	5. 01E-10	-0. 13778	0. 063	0. 125	7. 48E-06	Neo-G	BET1L
TSEN2. 6	5. 03E-10	0. 180909	0. 131	0. 083	7. 52E-06	Neo-G	TSEN2
ZC3H8. 4	5. 04E-10	0. 180688	0. 196	0. 141	7. 53E-06	Neo-G	ZC3H8
CLPB. 1	5. 07E-10	-0. 14365	0. 045	0. 1	7. 58E-06	Neo-G	CLPB
MRAS. 4	5. 08E-10	0. 21871	0. 214	0. 162	7. 59E-06	Neo-G	MRAS
ZNF24. 5	5. 15E-10	0. 100696	0. 356	0. 294	7. 70E-06	Neo-G	ZNF24
MCRS1. 3	5. 19E-10	0. 150691	0. 319	0. 264	7. 75E-06	Neo-G	MCRS1
FAM13C. 4	5. 31E-10	0. 114576	0. 071	0. 036	7. 93E-06	Neo-G	FAM13C
MMP7. 2	5. 41E-10	-0. 2545	0. 002	0. 033	8. 09E-06	Neo-G	MMP7
ZNF93. 2	5. 42E-10	0. 132165	0. 093	0. 053	8. 10E-06	Neo-G	ZNF93
ATXN7L2	5. 53E-10	0. 128613	0. 058	0. 027	8. 27E-06	Neo-G	ATXN7L2
ECM1. 3	5. 55E-10	-0. 11438	0. 009	0. 045	8. 29E-06	Neo-G	ECM1
CEP63. 3	5. 56E-10	0. 197759	0. 228	0. 172	8. 31E-06	Neo-G	CEP63
ZNF146. 5	5. 57E-10	0. 169234	0. 279	0. 221	8. 33E-06	Neo-G	ZNF146
ZNRF1. 7	5. 62E-10	0. 244096	0. 159	0. 111	8. 41E-06	Neo-G	ZNRF1
GPR132. 4	5. 69E-10	-0. 15062	0. 002	0. 034	8. 50E-06	Neo-G	GPR132
NFKBIB. 1	5. 80E-10	-0. 16173	0. 109	0. 184	8. 66E-06	Neo-G	NFKBIB



CRYBB2	5.86E-10	0.10272	0.034	0.012	8.76E-06	Neo-G	CRYBB2
C10orf128	5.89E-10	-0.16038	0.002	0.034	8.80E-06	Neo-G	C10orf128
MTRF1L.4	5.93E-10	0.226824	0.235	0.184	8.86E-06	Neo-G	MTRF1L
ERCC3.2	6.05E-10	0.173627	0.194	0.139	9.04E-06	Neo-G	ERCC3
DAPP1.6	6.08E-10	-0.14383	0.001	0.031	9.08E-06	Neo-G	DAPP1
CCND3.5	6.08E-10	-0.29719	0.185	0.269	9.09E-06	Neo-G	CCND3
INPP5K.1	6.10E-10	0.163293	0.167	0.114	9.12E-06	Neo-G	INPP5K
CTB-58E17	6.19E-10	-0.10657	0.02	0.063	9.25E-06	Neo-G	CTB-58E17.1
DDOST.3	6.22E-10	-0.29488	0.386	0.475	9.30E-06	Neo-G	DDOST
MAP4K2	6.39E-10	-0.10001	0.011	0.049	9.54E-06	Neo-G	MAP4K2
ZMYND8.5	6.44E-10	0.20317	0.258	0.201	9.62E-06	Neo-G	ZMYND8
BBS2.7	6.46E-10	-0.1995	0.107	0.18	9.66E-06	Neo-G	BBS2
CDT1.4	6.47E-10	-0.11589	0.021	0.065	9.67E-06	Neo-G	CDT1
TMEM216.1	6.51E-10	-0.18182	0.035	0.086	9.73E-06	Neo-G	TMEM216
TP53TG1.3	6.70E-10	-0.26968	0.129	0.206	1.00E-05	Neo-G	TP53TG1
RP2.7	6.72E-10	-0.14006	0.033	0.083	1.00E-05	Neo-G	RP2
MOBP.6	6.79E-10	-0.32631	0.005	0.039	1.01E-05	Neo-G	MOBP
CPD.3	6.79E-10	-0.14912	0.096	0.168	1.01E-05	Neo-G	CPD
ASAH1.5	6.93E-10	-0.31039	0.61	0.656	1.04E-05	Neo-G	ASAH1
OASL.3	6.96E-10	-0.14578	0.002	0.032	1.04E-05	Neo-G	OASL
CDKL3.3	7.00E-10	0.147361	0.156	0.104	1.05E-05	Neo-G	CDKL3
TMEM187.1	7.07E-10	-0.15409	0.037	0.088	1.06E-05	Neo-G	TMEM187
POLK.3	7.08E-10	0.152281	0.233	0.173	1.06E-05	Neo-G	POLK
VPS51.3	7.09E-10	0.180593	0.314	0.257	1.06E-05	Neo-G	VPS51
TBC1D22B	7.10E-10	0.124844	0.074	0.038	1.06E-05	Neo-G	TBC1D22B
RP11-468E	7.22E-10	-0.10998	0.011	0.049	1.08E-05	Neo-G	RP11-468E2.4
FAM120AOS	7.29E-10	-0.14444	0.117	0.194	1.09E-05	Neo-G	FAM120AOS
ZNF136.5	7.44E-10	0.145924	0.141	0.092	1.11E-05	Neo-G	ZNF136
MINK1.3	7.46E-10	-0.13481	0.053	0.11	1.11E-05	Neo-G	MINK1
ZNF414.7	7.50E-10	0.265635	0.229	0.18	1.12E-05	Neo-G	ZNF414
HS6ST1.2	7.53E-10	-0.11614	0.056	0.115	1.13E-05	Neo-G	HS6ST1
SLC48A1.4	7.56E-10	-0.22278	0.076	0.139	1.13E-05	Neo-G	SLC48A1
MFSD7.5	7.60E-10	-0.11601	0.003	0.035	1.14E-05	Neo-G	MFSD7
DISC1.4	7.60E-10	-0.13063	0.012	0.05	1.14E-05	Neo-G	DISC1
SART3.3	7.64E-10	0.157575	0.174	0.119	1.14E-05	Neo-G	SART3
ZMYM5.1	7.78E-10	0.154684	0.197	0.141	1.16E-05	Neo-G	ZMYM5
QPRT.3	7.84E-10	-0.21753	0.063	0.121	1.17E-05	Neo-G	QPRT
TBC1D10C.	7.84E-10	-0.15753	0.002	0.034	1.17E-05	Neo-G	TBC1D10C
CLDN15.5	7.93E-10	0.135128	0.101	0.059	1.18E-05	Neo-G	CLDN15
ASGR1.6	7.98E-10	0.126924	0.114	0.068	1.19E-05	Neo-G	ASGR1
ZFYVE9.1	8.05E-10	0.154135	0.081	0.044	1.20E-05	Neo-G	ZFYVE9
PSMC1.4	8.11E-10	-0.30716	0.302	0.394	1.21E-05	Neo-G	PSMC1
BTN3A3	8.12E-10	-0.13428	0.018	0.06	1.21E-05	Neo-G	BTN3A3
SLFN12.3	8.30E-10	-0.11824	0	0.029	1.24E-05	Neo-G	SLFN12
BNC2.3	8.30E-10	-0.12309	0	0.029	1.24E-05	Neo-G	BNC2
NDUFS1.4	8.41E-10	0.186794	0.302	0.249	1.26E-05	Neo-G	NDUFS1
PTPDC1	8.57E-10	0.10706	0.073	0.038	1.28E-05	Neo-G	PTPDC1
CHRAC1.5	8.62E-10	-0.16408	0.085	0.152	1.29E-05	Neo-G	CHRAC1
PGM2.4	8.65E-10	-0.22354	0.09	0.156	1.29E-05	Neo-G	PGM2
AATF.2	8.71E-10	0.152862	0.34	0.285	1.30E-05	Neo-G	AATF
RNF103.2	8.77E-10	0.191744	0.147	0.097	1.31E-05	Neo-G	RNF103

ZRANB2. 2	8. 90E-10	0. 112897	0. 381	0. 323	1. 33E-05	Neo-G	ZRANB2
NME4. 4	8. 97E-10	-0. 19244	0. 296	0. 392	1. 34E-05	Neo-G	NME4
UBA1. 2	9. 09E-10	0. 1208	0. 393	0. 335	1. 36E-05	Neo-G	UBA1
ACO69363.	9. 11E-10	-0. 24872	0. 016	0. 055	1. 36E-05	Neo-G	ACO69363. 1
CNFN. 2	9. 29E-10	-0. 11182	0. 001	0. 03	1. 39E-05	Neo-G	CNFN
UCK1. 2	9. 56E-10	0. 181119	0. 235	0. 179	1. 43E-05	Neo-G	UCK1
HGF. 1	9. 66E-10	-0. 14034	0. 002	0. 032	1. 44E-05	Neo-G	HGF
CDCA8. 4	9. 71E-10	-0. 12089	0. 008	0. 043	1. 45E-05	Neo-G	CDCA8
NCS1. 3	9. 80E-10	0. 166301	0. 097	0. 056	1. 46E-05	Neo-G	NCS1
CRK. 3	9. 81E-10	0. 156864	0. 366	0. 31	1. 47E-05	Neo-G	CRK
IFNAR2. 5	9. 83E-10	-0. 12347	0. 127	0. 208	1. 47E-05	Neo-G	IFNAR2
ZNF606. 2	9. 89E-10	0. 163717	0. 122	0. 076	1. 48E-05	Neo-G	ZNF606
RABGGTA	9. 91E-10	-0. 15897	0. 071	0. 135	1. 48E-05	Neo-G	RABGGTA
ITGB4. 1	9. 96E-10	-0. 11464	0. 004	0. 036	1. 49E-05	Neo-G	ITGB4
AKT3. 3	9. 98E-10	0. 139379	0. 091	0. 051	1. 49E-05	Neo-G	AKT3
APOL1. 2	1. 01E-09	-0. 13621	0. 008	0. 043	1. 51E-05	Neo-G	APOL1
NDUFA6. 5	1. 02E-09	-0. 2958	0. 506	0. 579	1. 53E-05	Neo-G	NDUFA6
TSTD2. 2	1. 04E-09	0. 16715	0. 115	0. 071	1. 55E-05	Neo-G	TSTD2
SH3RF1. 5	1. 04E-09	0. 190152	0. 149	0. 101	1. 55E-05	Neo-G	SH3RF1
CLDN12. 7	1. 05E-09	0. 179672	0. 185	0. 133	1. 57E-05	Neo-G	CLDN12
BTBD1. 3	1. 05E-09	-0. 10957	0. 086	0. 156	1. 57E-05	Neo-G	BTBD1
GRHPR. 4	1. 06E-09	-0. 23262	0. 302	0. 404	1. 59E-05	Neo-G	GRHPR
CCBL2. 1	1. 09E-09	-0. 15803	0. 07	0. 133	1. 63E-05	Neo-G	CCBL2
DSC2. 5	1. 13E-09	-0. 12936	0. 004	0. 036	1. 69E-05	Neo-G	DSC2
UQCR10. 4	1. 13E-09	-0. 21806	0. 742	0. 741	1. 69E-05	Neo-G	UQCR10
NOC3L. 2	1. 14E-09	-0. 1249	0. 046	0. 1	1. 70E-05	Neo-G	NOC3L
MBLAC2	1. 17E-09	0. 101685	0. 047	0. 02	1. 74E-05	Neo-G	MBLAC2
BCL2L13. 2	1. 17E-09	-0. 16729	0. 089	0. 157	1. 75E-05	Neo-G	BCL2L13
PPIP5K2. 2	1. 18E-09	0. 157931	0. 175	0. 121	1. 76E-05	Neo-G	PPIP5K2
RELT. 6	1. 18E-09	-0. 15111	0. 039	0. 09	1. 76E-05	Neo-G	RELT
IDS. 1	1. 18E-09	-0. 2606	0. 292	0. 378	1. 76E-05	Neo-G	IDS
ITGB2-AS1	1. 19E-09	-0. 1663	0. 002	0. 031	1. 78E-05	Neo-G	ITGB2-AS1
PLVAP. 3	1. 20E-09	-0. 15384	0. 002	0. 033	1. 79E-05	Neo-G	PLVAP
FABP5. 5	1. 20E-09	-0. 73356	0. 357	0. 396	1. 80E-05	Neo-G	FABP5
RGL1. 3	1. 20E-09	-0. 12897	0. 04	0. 092	1. 80E-05	Neo-G	RGL1
AP000439.	1. 22E-09	-0. 16524	0. 001	0. 03	1. 82E-05	Neo-G	AP000439. 1
OMA1. 2	1. 27E-09	-0. 12464	0. 03	0. 077	1. 90E-05	Neo-G	OMA1
TET1. 6	1. 28E-09	0. 223044	0. 121	0. 078	1. 91E-05	Neo-G	TET1
FLYWCH1. 2	1. 29E-09	0. 188608	0. 143	0. 095	1. 92E-05	Neo-G	FLYWCH1
RAB4A. 3	1. 29E-09	0. 140534	0. 39	0. 335	1. 93E-05	Neo-G	RAB4A
FFAR4. 3	1. 29E-09	-0. 14591	0. 002	0. 033	1. 93E-05	Neo-G	FFAR4
UBE2L3. 6	1. 29E-09	-0. 25912	0. 467	0. 543	1. 93E-05	Neo-G	UBE2L3
CDCA5. 5	1. 30E-09	-0. 10336	0. 012	0. 049	1. 94E-05	Neo-G	CDCA5
LXN. 3	1. 31E-09	-0. 12959	0	0. 028	1. 96E-05	Neo-G	LXN
TOMM70A. 4	1. 33E-09	0. 200031	0. 17	0. 12	1. 99E-05	Neo-G	TOMM70A
UHMK1. 3	1. 34E-09	-0. 14288	0. 132	0. 212	2. 00E-05	Neo-G	UHMK1
CLMN. 1	1. 34E-09	-0. 12323	0. 009	0. 044	2. 01E-05	Neo-G	CLMN
TLE3. 6	1. 35E-09	0. 133116	0. 191	0. 131	2. 01E-05	Neo-G	TLE3
ABCF1. 5	1. 35E-09	0. 172514	0. 329	0. 278	2. 01E-05	Neo-G	ABCF1
SP140. 6	1. 36E-09	-0. 14882	0. 003	0. 034	2. 03E-05	Neo-G	SP140
CUL3. 4	1. 37E-09	0. 221577	0. 247	0. 194	2. 05E-05	Neo-G	CUL3

PLA2G2A.2	1.38E-09	-0.4432	0.007	0.041	2.06E-05	Neo-G	PLA2G2A
NRP1.6	1.39E-09	-0.12296	0.101	0.173	2.08E-05	Neo-G	NRP1
CDK10.2	1.39E-09	0.148361	0.214	0.158	2.08E-05	Neo-G	CDK10
SLC10A3.1	1.39E-09	-0.13789	0.038	0.088	2.08E-05	Neo-G	SLC10A3
ITGB3BP.5	1.41E-09	-0.14194	0.083	0.15	2.11E-05	Neo-G	ITGB3BP
E2F1.4	1.42E-09	-0.10417	0.018	0.059	2.13E-05	Neo-G	E2F1
HNRNPUL2.1	1.43E-09	-0.12753	0.099	0.171	2.13E-05	Neo-G	HNRNPUL2
GBP4.3	1.43E-09	-0.20999	0.027	0.072	2.14E-05	Neo-G	GBP4
AP2A2.6	1.46E-09	0.149163	0.307	0.245	2.19E-05	Neo-G	AP2A2
SYNRG.5	1.49E-09	0.16837	0.238	0.183	2.23E-05	Neo-G	SYNRG
PDHA1.3	1.50E-09	0.108753	0.353	0.297	2.24E-05	Neo-G	PDHA1
KCNE3.6	1.53E-09	-0.12258	0.001	0.03	2.28E-05	Neo-G	KCNE3
AIM1.4	1.53E-09	-0.16021	0.005	0.038	2.29E-05	Neo-G	AIM1
VHL.2	1.54E-09	0.171727	0.212	0.157	2.30E-05	Neo-G	VHL
FAM195B.3	1.54E-09	-0.3868	0.028	0.073	2.30E-05	Neo-G	FAM195B
LTB4R.5	1.55E-09	-0.1218	0.005	0.037	2.31E-05	Neo-G	LTB4R
ITPR1.2	1.56E-09	-0.12581	0.005	0.038	2.33E-05	Neo-G	ITPR1
RAB8A.4	1.60E-09	-0.25234	0.272	0.366	2.38E-05	Neo-G	RAB8A
ALDH1A1.3	1.60E-09	-0.15333	0.002	0.032	2.39E-05	Neo-G	ALDH1A1
LMAN2L.4	1.61E-09	0.17419	0.158	0.108	2.40E-05	Neo-G	LMAN2L
MTM1.1	1.61E-09	-0.10226	0.019	0.06	2.40E-05	Neo-G	MTM1
MEOX2.5	1.62E-09	-0.11276	0.035	0.084	2.42E-05	Neo-G	MEOX2
CEP78.6	1.62E-09	0.185499	0.157	0.108	2.43E-05	Neo-G	CEP78
PABPC4.7	1.63E-09	-0.21483	0.25	0.338	2.43E-05	Neo-G	PABPC4
C7orf43.3	1.66E-09	0.142699	0.108	0.064	2.48E-05	Neo-G	C7orf43
ARHGAP21.1	1.67E-09	-0.17015	0.173	0.259	2.49E-05	Neo-G	ARHGAP21
SH3GL1.3	1.67E-09	-0.1297	0.17	0.26	2.50E-05	Neo-G	SH3GL1
RNF181.3	1.71E-09	-0.31279	0.49	0.562	2.55E-05	Neo-G	RNF181
FAM134B.5	1.72E-09	0.209144	0.213	0.16	2.57E-05	Neo-G	FAM134B
SRA1.5	1.72E-09	-0.24319	0.313	0.409	2.58E-05	Neo-G	SRA1
KBTBD11.1	1.73E-09	0.102279	0.052	0.023	2.58E-05	Neo-G	KBTBD11
RPA3.4	1.74E-09	-0.30085	0.266	0.352	2.59E-05	Neo-G	RPA3
ICAM2.6	1.76E-09	-0.17562	0.005	0.038	2.63E-05	Neo-G	ICAM2
CYTH1.6	1.78E-09	0.122109	0.214	0.151	2.66E-05	Neo-G	CYTH1
RBM26.5	1.84E-09	0.207839	0.258	0.207	2.74E-05	Neo-G	RBM26
ADPRH.4	1.86E-09	-0.1231	0.005	0.037	2.78E-05	Neo-G	ADPRH
CTC-425F1	1.88E-09	-0.14637	0.017	0.057	2.81E-05	Neo-G	CTC-425F1.4
NLGN1.6	1.90E-09	0.235217	0.181	0.133	2.83E-05	Neo-G	NLGN1
C6orf62.4	1.90E-09	0.106231	0.5	0.446	2.84E-05	Neo-G	C6orf62
MAN1B1.1	1.90E-09	-0.14215	0.146	0.231	2.84E-05	Neo-G	MAN1B1
KLHL20.3	1.90E-09	0.188861	0.185	0.133	2.84E-05	Neo-G	KLHL20
CYB5R4.7	1.92E-09	-0.19722	0.112	0.184	2.87E-05	Neo-G	CYB5R4
FHL2.4	1.93E-09	-0.10573	0.013	0.05	2.88E-05	Neo-G	FHL2
EFCAB11.2	1.97E-09	-0.10177	0.022	0.065	2.95E-05	Neo-G	EFCAB11
RNASEH1.4	1.99E-09	0.186879	0.275	0.223	2.97E-05	Neo-G	RNASEH1
NOVA1-AS1	2.03E-09	0.172927	0.062	0.031	3.03E-05	Neo-G	NOVA1-AS1
WDYHV1.2	2.03E-09	0.155436	0.167	0.116	3.03E-05	Neo-G	WDYHV1
LIMA1.6	2.04E-09	0.149167	0.372	0.311	3.04E-05	Neo-G	LIMA1
ATN1.5	2.05E-09	0.215786	0.229	0.178	3.07E-05	Neo-G	ATN1
PIF1.3	2.06E-09	-0.1095	0.016	0.055	3.07E-05	Neo-G	PIF1
APH1A.4	2.06E-09	-0.25933	0.407	0.494	3.08E-05	Neo-G	APH1A

RWDD4. 2	2. 06E-09	0. 196051	0. 272	0. 221	3. 08E-05	Neo-G	RWDD4
XPOT. 5	2. 11E-09	-0. 1124	0. 103	0. 175	3. 16E-05	Neo-G	XPOT
ANKRD65	2. 12E-09	-0. 11157	0. 008	0. 042	3. 16E-05	Neo-G	ANKRD65
LINC00685	2. 16E-09	0. 168878	0. 198	0. 143	3. 22E-05	Neo-G	LINC00685
AGPAT3. 3	2. 16E-09	-0. 10459	0. 073	0. 137	3. 23E-05	Neo-G	AGPAT3
BRF2. 3	2. 18E-09	0. 162368	0. 131	0. 085	3. 25E-05	Neo-G	BRF2
CEBPZ. 4	2. 19E-09	0. 138509	0. 321	0. 265	3. 27E-05	Neo-G	CEBPZ
NPTN. 3	2. 19E-09	-0. 13226	0. 024	0. 066	3. 27E-05	Neo-G	NPTN
MGRN1. 4	2. 20E-09	0. 21431	0. 255	0. 203	3. 29E-05	Neo-G	MGRN1
GLRX5. 5	2. 23E-09	0. 210187	0. 342	0. 291	3. 34E-05	Neo-G	GLRX5
CASC4. 5	2. 24E-09	-0. 12187	0. 148	0. 233	3. 35E-05	Neo-G	CASC4
EMC7. 1	2. 24E-09	-0. 29467	0. 372	0. 463	3. 35E-05	Neo-G	EMC7
ZNF550. 4	2. 27E-09	0. 100282	0. 081	0. 044	3. 39E-05	Neo-G	ZNF550
NCOA1. 4	2. 31E-09	0. 205488	0. 208	0. 155	3. 45E-05	Neo-G	NCOA1
ZNF592	2. 35E-09	-0. 10787	0. 021	0. 063	3. 52E-05	Neo-G	ZNF592
FAM159A. 6	2. 39E-09	-0. 17369	0. 013	0. 049	3. 57E-05	Neo-G	FAM159A
RPN2. 2	2. 40E-09	-0. 25125	0. 59	0. 628	3. 59E-05	Neo-G	RPN2
ATP10B	2. 48E-09	-0. 10019	0. 001	0. 029	3. 70E-05	Neo-G	ATP10B
STYXL1. 3	2. 50E-09	0. 148344	0. 175	0. 12	3. 74E-05	Neo-G	STYXL1
B3GALT4. 4	2. 51E-09	-0. 13869	0. 011	0. 047	3. 75E-05	Neo-G	B3GALT4
TMSB4X. 7	2. 61E-09	-0. 12523	1	0. 996	3. 90E-05	Neo-G	TMSB4X
MED15. 2	2. 63E-09	-0. 13197	0. 084	0. 15	3. 93E-05	Neo-G	MED15
GAB3. 5	2. 65E-09	-0. 13447	0. 005	0. 036	3. 96E-05	Neo-G	GAB3
TMEM87B. 4	2. 66E-09	-0. 10189	0. 027	0. 071	3. 97E-05	Neo-G	TMEM87B
UAP1L1. 1	2. 67E-09	-0. 10303	0. 023	0. 065	3. 99E-05	Neo-G	UAP1L1
BAX. 7	2. 67E-09	-0. 26152	0. 501	0. 573	3. 99E-05	Neo-G	BAX
UBL4A. 5	2. 72E-09	0. 183826	0. 228	0. 177	4. 06E-05	Neo-G	UBL4A
GMDS-AS1	2. 73E-09	-0. 10559	0. 01	0. 046	4. 08E-05	Neo-G	GMDS-AS1
NR1D1. 4	2. 74E-09	-0. 11916	0. 015	0. 053	4. 09E-05	Neo-G	NR1D1
GALNT15. 3	2. 83E-09	-0. 19244	0. 009	0. 043	4. 23E-05	Neo-G	GALNT15
RP11-514C	2. 84E-09	-0. 12076	0. 002	0. 03	4. 24E-05	Neo-G	RP11-514012. 4
FAM229A. 2	2. 86E-09	0. 144444	0. 076	0. 041	4. 28E-05	Neo-G	FAM229A
MIA3. 3	2. 89E-09	0. 16545	0. 258	0. 203	4. 32E-05	Neo-G	MIA3
SETD5. 7	2. 90E-09	0. 16647	0. 337	0. 283	4. 34E-05	Neo-G	SETD5
NFAM1. 5	2. 93E-09	-0. 14328	0. 005	0. 037	4. 39E-05	Neo-G	NFAM1
SUPT6H. 1	2. 94E-09	-0. 14638	0. 107	0. 18	4. 40E-05	Neo-G	SUPT6H
PIGB	2. 95E-09	-0. 1051	0. 009	0. 043	4. 41E-05	Neo-G	PIGB
MARCH3. 4	2. 97E-09	-0. 21958	0. 057	0. 111	4. 44E-05	Neo-G	3-Mar
CCR5. 5	3. 06E-09	-0. 11543	0. 001	0. 029	4. 57E-05	Neo-G	CCR5
SPIN2B. 5	3. 10E-09	0. 160027	0. 148	0. 101	4. 64E-05	Neo-G	SPIN2B
TMEM42. 4	3. 16E-09	-0. 1063	0. 097	0. 169	4. 72E-05	Neo-G	TMEM42
SH2B1. 3	3. 18E-09	0. 192825	0. 195	0. 144	4. 75E-05	Neo-G	SH2B1
PGM5. 1	3. 28E-09	-0. 10135	0. 002	0. 03	4. 91E-05	Neo-G	PGM5
OARD1. 3	3. 31E-09	0. 119626	0. 283	0. 226	4. 95E-05	Neo-G	OARD1
FBXO22. 2	3. 35E-09	-0. 16312	0. 08	0. 145	5. 01E-05	Neo-G	FBXO22
ABCF2. 4	3. 38E-09	0. 16524	0. 264	0. 21	5. 05E-05	Neo-G	ABCF2
TSGA10. 3	3. 43E-09	0. 154982	0. 097	0. 058	5. 13E-05	Neo-G	TSGA10
CTTNBP2NL	3. 48E-09	0. 139692	0. 203	0. 147	5. 20E-05	Neo-G	CTTNBP2NL
RP11-557H	3. 50E-09	-0. 14947	0. 002	0. 03	5. 23E-05	Neo-G	RP11-557H15. 4
ELOVL6. 5	3. 53E-09	0. 203613	0. 132	0. 088	5. 28E-05	Neo-G	ELOVL6
ACADS. 2	3. 68E-09	-0. 12031	0. 065	0. 124	5. 50E-05	Neo-G	ACADS

SLC6A6. 2	3. 69E-09	-0. 17403	0. 025	0. 068	5. 52E-05	Neo-G	SLC6A6
MGAT2. 2	3. 75E-09	-0. 10705	0. 119	0. 195	5. 60E-05	Neo-G	MGAT2
ZDHHC6. 3	3. 87E-09	-0. 18813	0. 105	0. 175	5. 78E-05	Neo-G	ZDHHC6
ARHGEF4. 4	3. 92E-09	0. 156499	0. 087	0. 05	5. 86E-05	Neo-G	ARHGEF4
KIF9-AS1	3. 92E-09	0. 105126	0. 039	0. 016	5. 86E-05	Neo-G	KIF9-AS1
ROBO3. 1	3. 94E-09	0. 180944	0. 162	0. 111	5. 90E-05	Neo-G	ROBO3
SLC17A9. 6	3. 98E-09	-0. 11921	0. 003	0. 033	5. 94E-05	Neo-G	SLC17A9
MKRN3. 4	4. 01E-09	0. 117869	0. 075	0. 041	6. 00E-05	Neo-G	MKRN3
FH. 3	4. 03E-09	0. 142483	0. 277	0. 219	6. 02E-05	Neo-G	FH
YIPF5. 3	4. 14E-09	0. 115467	0. 312	0. 256	6. 19E-05	Neo-G	YIPF5
RP11-727F	4. 21E-09	0. 105641	0. 06	0. 029	6. 29E-05	Neo-G	RP11-727F15. 11
MAP4K1. 5	4. 25E-09	-0. 14474	0. 003	0. 033	6. 35E-05	Neo-G	MAP4K1
TBC1D4. 4	4. 28E-09	-0. 1636	0. 015	0. 052	6. 40E-05	Neo-G	TBC1D4
EPB41L5. 3	4. 30E-09	0. 137144	0. 081	0. 045	6. 43E-05	Neo-G	EPB41L5
DOK5. 6	4. 40E-09	-0. 14512	0. 116	0. 191	6. 57E-05	Neo-G	DOK5
PGBD5	4. 40E-09	0. 105128	0. 057	0. 028	6. 58E-05	Neo-G	PGBD5
CTSW. 3	4. 42E-09	-0. 20571	0. 003	0. 032	6. 60E-05	Neo-G	CTSW
KDM4B. 4	4. 42E-09	0. 206096	0. 176	0. 127	6. 61E-05	Neo-G	KDM4B
COX6B1. 3	4. 44E-09	-0. 21157	0. 888	0. 841	6. 63E-05	Neo-G	COX6B1
ALKBH5. 5	4. 46E-09	0. 153979	0. 373	0. 317	6. 66E-05	Neo-G	ALKBH5
TRAPPC2. 1	4. 46E-09	0. 13901	0. 139	0. 091	6. 66E-05	Neo-G	TRAPPC2
TK2. 3	4. 52E-09	-0. 12395	0. 07	0. 13	6. 75E-05	Neo-G	TK2
LMTK3	4. 53E-09	0. 108556	0. 042	0. 018	6. 77E-05	Neo-G	LMTK3
UBA5. 2	4. 56E-09	0. 184048	0. 23	0. 179	6. 81E-05	Neo-G	UBA5
SKI. 5	4. 57E-09	-0. 13439	0. 092	0. 158	6. 83E-05	Neo-G	SKI
SETD3. 4	4. 62E-09	-0. 10787	0. 095	0. 163	6. 91E-05	Neo-G	SETD3
GGA2. 7	4. 64E-09	-0. 20195	0. 086	0. 146	6. 94E-05	Neo-G	GGA2
PLCB2. 7	4. 71E-09	-0. 20451	0. 024	0. 065	7. 04E-05	Neo-G	PLCB2
TMCC1. 6	4. 74E-09	0. 199983	0. 156	0. 108	7. 08E-05	Neo-G	TMCC1
TAF15. 5	4. 78E-09	0. 119292	0. 323	0. 267	7. 15E-05	Neo-G	TAF15
ADAM8. 6	4. 79E-09	-0. 16136	0. 012	0. 047	7. 16E-05	Neo-G	ADAM8
NUP107. 6	4. 80E-09	0. 183424	0. 277	0. 217	7. 18E-05	Neo-G	NUP107
TPPP3. 7	4. 82E-09	-0. 28314	0. 097	0. 161	7. 20E-05	Neo-G	TPPP3
NAP1L1. 3	4. 89E-09	-0. 24826	0. 642	0. 678	7. 31E-05	Neo-G	NAP1L1
TUBA4A. 3	4. 91E-09	-0. 21211	0. 019	0. 058	7. 34E-05	Neo-G	TUBA4A
RP11-345F	4. 98E-09	0. 223138	0. 207	0. 159	7. 45E-05	Neo-G	RP11-345P4. 9
HFE	5. 00E-09	-0. 10398	0. 002	0. 031	7. 47E-05	Neo-G	HFE
AGPAT4. 4	5. 13E-09	0. 166925	0. 145	0. 098	7. 67E-05	Neo-G	AGPAT4
PECR	5. 14E-09	-0. 11859	0. 036	0. 084	7. 69E-05	Neo-G	PECR
CEP89. 4	5. 20E-09	0. 142991	0. 175	0. 125	7. 78E-05	Neo-G	CEP89
SPG11. 3	5. 25E-09	-0. 13204	0. 064	0. 123	7. 85E-05	Neo-G	SPG11
PCMTD1. 3	5. 30E-09	0. 116757	0. 205	0. 146	7. 92E-05	Neo-G	PCMTD1
ZNF385A. 7	5. 34E-09	-0. 20682	0. 084	0. 143	7. 98E-05	Neo-G	ZNF385A
CATSPER1. 5	5. 35E-09	-0. 14762	0. 002	0. 029	8. 00E-05	Neo-G	CATSPER1
DPP3. 2	5. 37E-09	0. 157432	0. 237	0. 183	8. 03E-05	Neo-G	DPP3
ACTR8	5. 46E-09	0. 152966	0. 148	0. 1	8. 16E-05	Neo-G	ACTR8
STEAP1. 2	5. 59E-09	-0. 13479	0. 002	0. 029	8. 36E-05	Neo-G	STEAP1
CLASP1. 6	5. 67E-09	0. 218704	0. 181	0. 133	8. 47E-05	Neo-G	CLASP1
KIAA0141. 5	5. 88E-09	-0. 16742	0. 07	0. 128	8. 78E-05	Neo-G	KIAA0141
IMMP2L. 5	5. 93E-09	0. 144161	0. 193	0. 139	8. 86E-05	Neo-G	IMMP2L
GJB1. 5	6. 08E-09	-0. 1897	0. 001	0. 028	9. 09E-05	Neo-G	GJB1

C5orf63.2	6.10E-09	0.132445	0.104	0.063	9.12E-05	Neo-G	C5orf63
WDFY4.6	6.12E-09	-0.12142	0.002	0.029	9.15E-05	Neo-G	WDFY4
AKAP1.2	6.15E-09	0.173288	0.166	0.116	9.19E-05	Neo-G	AKAP1
NCOA3.4	6.18E-09	-0.11129	0.071	0.132	9.24E-05	Neo-G	NCOA3
SLK	6.19E-09	-0.10188	0.029	0.074	9.25E-05	Neo-G	SLK
CYP19A1.2	6.27E-09	-0.1273	0.001	0.028	9.37E-05	Neo-G	CYP19A1
NR6A1	6.28E-09	0.102771	0.066	0.034	9.38E-05	Neo-G	NR6A1
PIM3.7	6.29E-09	-0.17614	0.128	0.198	9.40E-05	Neo-G	PIM3
ATHL1.1	6.39E-09	-0.11582	0.006	0.038	9.56E-05	Neo-G	ATHL1
SCAF4.1	6.42E-09	0.184143	0.185	0.135	9.60E-05	Neo-G	SCAF4
EHMT1.3	6.56E-09	0.184104	0.191	0.141	9.81E-05	Neo-G	EHMT1
PELP1.5	6.57E-09	0.18572	0.195	0.145	9.81E-05	Neo-G	PELP1
RMI1.2	6.58E-09	0.155751	0.094	0.056	9.83E-05	Neo-G	RMI1
TNFRSF11A	6.63E-09	-0.10883	0.001	0.027	9.90E-05	Neo-G	TNFRSF11A
ASPA	6.64E-09	-0.17187	0.002	0.029	9.93E-05	Neo-G	ASPA
C3orf18.1	6.65E-09	0.121058	0.066	0.034	9.94E-05	Neo-G	C3orf18
CTSK.4	6.73E-09	-0.1236	0.016	0.054	0.000101	Neo-G	CTSK
FAM53B.4	6.77E-09	-0.14294	0.017	0.055	0.000101	Neo-G	FAM53B
DSEL.7	6.83E-09	-0.17928	0.156	0.233	0.000102	Neo-G	DSEL
TRAPPC12.	6.86E-09	0.196247	0.244	0.192	0.000103	Neo-G	TRAPPC12
FAM175A.1	6.87E-09	-0.11537	0.026	0.069	0.000103	Neo-G	FAM175A
RP11-571M	7.02E-09	0.106223	0.054	0.026	0.000105	Neo-G	RP11-571M6.17
RPS6KA3.5	7.02E-09	-0.13779	0.082	0.144	0.000105	Neo-G	RPS6KA3
ZFP82.5	7.06E-09	0.173793	0.151	0.104	0.000106	Neo-G	ZFP82
NUTM2A-AS	7.14E-09	-0.17765	0.075	0.134	0.000107	Neo-G	NUTM2A-AS1
UBALD1.5	7.24E-09	0.218053	0.211	0.162	0.000108	Neo-G	UBALD1
ZBTB43.2	7.27E-09	0.148228	0.197	0.144	0.000109	Neo-G	ZBTB43
COQ10A.4	7.42E-09	0.17631	0.141	0.096	0.000111	Neo-G	COQ10A
CHST15.2	7.45E-09	-0.13629	0.009	0.043	0.000111	Neo-G	CHST15
TLR10.5	7.47E-09	-0.12338	0.001	0.027	0.000112	Neo-G	TLR10
PBX3.3	7.50E-09	0.218663	0.159	0.113	0.000112	Neo-G	PBX3
MAP1LC3B2	7.54E-09	0.125422	0.126	0.079	0.000113	Neo-G	MAP1LC3B2
RNASE4.2	7.55E-09	-0.21587	0.007	0.039	0.000113	Neo-G	RNASE4
TRIM32.3	7.66E-09	0.136289	0.091	0.054	0.000115	Neo-G	TRIM32
DOPEY1	7.67E-09	0.122682	0.075	0.041	0.000115	Neo-G	DOPEY1
LZTS1.6	7.72E-09	0.16969	0.093	0.056	0.000115	Neo-G	LZTS1
CNR1.5	7.73E-09	0.170569	0.109	0.069	0.000115	Neo-G	CNR1
ARHGEF12.	7.74E-09	0.202145	0.203	0.155	0.000116	Neo-G	ARHGEF12
JAK3.2	7.79E-09	-0.11994	0.002	0.03	0.000116	Neo-G	JAK3
RUNX2.3	7.84E-09	-0.13315	0.003	0.032	0.000117	Neo-G	RUNX2
TMEM107.2	7.85E-09	-0.20122	0.149	0.226	0.000117	Neo-G	TMEM107
ZBTB10.3	7.87E-09	0.187803	0.128	0.085	0.000118	Neo-G	ZBTB10
SUPT16H.5	7.89E-09	0.12235	0.299	0.242	0.000118	Neo-G	SUPT16H
TNKS.7	7.91E-09	0.2229	0.192	0.143	0.000118	Neo-G	TNKS
NKX6-2.5	7.94E-09	-0.18641	0.001	0.027	0.000119	Neo-G	NKX6-2
DLGAP5.6	7.98E-09	-0.10225	0.007	0.039	0.000119	Neo-G	DLGAP5
PIGS.3	8.25E-09	-0.13337	0.117	0.191	0.000123	Neo-G	PIGS
STK10.6	8.32E-09	-0.16216	0.032	0.077	0.000124	Neo-G	STK10
ACYP1.4	8.39E-09	0.197303	0.222	0.171	0.000125	Neo-G	ACYP1
SOCS1.3	8.40E-09	-0.17566	0.019	0.057	0.000126	Neo-G	SOCS1
HNRNPL.4	8.42E-09	0.137372	0.314	0.258	0.000126	Neo-G	HNRNPL

KHK	8.43E-09	0.160602	0.12	0.077	0.000126	Neo-G	KHK
RP3-460G2	8.44E-09	-0.25846	0.024	0.064	0.000126	Neo-G	RP3-460G2.2
UFM1.1	8.52E-09	0.105812	0.39	0.336	0.000127	Neo-G	UFM1
RMND5B.3	8.58E-09	0.166231	0.211	0.158	0.000128	Neo-G	RMND5B
NTAN1.5	8.67E-09	-0.11244	0.13	0.208	0.00013	Neo-G	NTAN1
TNFAIP8L1	8.70E-09	-0.13344	0.038	0.086	0.00013	Neo-G	TNFAIP8L1
GPC1.6	8.71E-09	-0.23554	0.179	0.244	0.00013	Neo-G	GPC1
CCNG1.3	8.72E-09	-0.27031	0.198	0.278	0.00013	Neo-G	CCNG1
USP34.3	8.72E-09	0.196501	0.254	0.204	0.00013	Neo-G	USP34
CEP135.3	8.73E-09	-0.10879	0.038	0.085	0.00013	Neo-G	CEP135
BECN1.4	8.79E-09	-0.16784	0.156	0.239	0.000131	Neo-G	BECN1
FXN.3	8.86E-09	-0.10603	0.062	0.119	0.000132	Neo-G	FXN
C17orf51.	8.88E-09	0.168936	0.103	0.064	0.000133	Neo-G	C17orf51
ELOVL5.2	8.92E-09	-0.20748	0.241	0.334	0.000133	Neo-G	ELOVL5
TMEM50A.5	8.96E-09	-0.30868	0.54	0.598	0.000134	Neo-G	TMEM50A
NSL1.3	9.28E-09	-0.24322	0.263	0.357	0.000139	Neo-G	NSL1
CAPN3.4	9.32E-09	-0.29263	0.013	0.047	0.000139	Neo-G	CAPN3
ECHS1.4	9.34E-09	-0.25163	0.357	0.444	0.00014	Neo-G	ECHS1
SPRTN.3	9.42E-09	0.143152	0.17	0.12	0.000141	Neo-G	SPRTN
ZNF7.3	9.46E-09	0.160064	0.207	0.155	0.000141	Neo-G	ZNF7
IREB2.2	9.47E-09	-0.15267	0.096	0.162	0.000142	Neo-G	IREB2
PAQR8.4	9.56E-09	-0.21258	0.052	0.101	0.000143	Neo-G	PAQR8
RNF115.4	9.59E-09	0.159919	0.289	0.238	0.000143	Neo-G	RNF115
UFL1.1	9.68E-09	-0.14617	0.142	0.22	0.000145	Neo-G	UFL1
MIER1.2	9.74E-09	-0.13978	0.112	0.182	0.000146	Neo-G	MIER1
ARHGEF25.	9.85E-09	0.151734	0.101	0.061	0.000147	Neo-G	ARHGEF25
ENTPD3-AS	1.00E-08	-0.15708	0.043	0.092	0.000149	Neo-G	ENTPD3-AS1
COLEC12.1	1.01E-08	-0.13826	0.006	0.037	0.000151	Neo-G	COLEC12
MAP1A.6	1.02E-08	0.147711	0.279	0.224	0.000153	Neo-G	MAP1A
TBC1D25.1	1.02E-08	0.164785	0.115	0.073	0.000153	Neo-G	TBC1D25
PHLPP1.7	1.03E-08	-0.13761	0.042	0.09	0.000153	Neo-G	PHLPP1
UTP23.3	1.03E-08	0.148898	0.196	0.143	0.000153	Neo-G	UTP23
HMG20B.3	1.04E-08	-0.14603	0.251	0.347	0.000156	Neo-G	HMG20B
MPST.4	1.05E-08	-0.11207	0.22	0.317	0.000156	Neo-G	MPST
GREB1	1.05E-08	0.112593	0.048	0.022	0.000157	Neo-G	GREB1
BRAF.1	1.09E-08	0.138589	0.104	0.064	0.000162	Neo-G	BRAF
RNF14.3	1.09E-08	0.18845	0.238	0.19	0.000162	Neo-G	RNF14
TOB2.2	1.09E-08	-0.12749	0.13	0.205	0.000163	Neo-G	TOB2
PHYH	1.09E-08	-0.15018	0.104	0.174	0.000163	Neo-G	PHYH
RP11-212F	1.13E-08	0.158969	0.13	0.087	0.000169	Neo-G	RP11-212P7.2
ITGB7.4	1.14E-08	-0.11131	0.002	0.028	0.00017	Neo-G	ITGB7
CDS2.2	1.15E-08	-0.15807	0.171	0.257	0.000172	Neo-G	CDS2
PLEK2.5	1.17E-08	-0.10993	0.001	0.027	0.000175	Neo-G	PLEK2
CCDC106.7	1.18E-08	-0.13989	0.162	0.24	0.000177	Neo-G	CCDC106
CENPBD1.1	1.19E-08	0.126684	0.107	0.066	0.000178	Neo-G	CENPBD1
LBR.4	1.21E-08	0.12922	0.286	0.226	0.000181	Neo-G	LBR
PSMA6.5	1.21E-08	-0.28065	0.159	0.231	0.000181	Neo-G	PSMA6
CHD1L.4	1.21E-08	-0.13535	0.082	0.144	0.000181	Neo-G	CHD1L
MYNN.2	1.25E-08	0.138203	0.145	0.098	0.000187	Neo-G	MYNN
CDH13.3	1.29E-08	0.130148	0.086	0.049	0.000192	Neo-G	CDH13
TCEAL1.6	1.30E-08	0.113196	0.306	0.249	0.000194	Neo-G	TCEAL1

ERRFI1.3	1.30E-08	-0.17443	0.096	0.158	0.000195	Neo-G	ERRFI1
RIOK1.2	1.31E-08	0.138809	0.203	0.15	0.000195	Neo-G	RIOK1
TMEM71.2	1.33E-08	-0.11496	0.002	0.028	0.000199	Neo-G	TMEM71
CARD11.5	1.34E-08	-0.1152	0.003	0.031	0.0002	Neo-G	CARD11
DEPTOR.3	1.34E-08	-0.18988	0.013	0.048	0.0002	Neo-G	DEPTOR
SNUPN.3	1.36E-08	-0.1277	0.101	0.17	0.000204	Neo-G	SNUPN
YIPF2.1	1.38E-08	-0.19294	0.068	0.125	0.000206	Neo-G	YIPF2
MAN2A1.5	1.47E-08	-0.17953	0.063	0.116	0.00022	Neo-G	MAN2A1
SKIL.5	1.51E-08	-0.22073	0.216	0.294	0.000225	Neo-G	SKIL
CENPW.4	1.56E-08	-0.1664	0.068	0.124	0.000234	Neo-G	CENPW
RANBP2.7	1.57E-08	-0.18211	0.145	0.217	0.000235	Neo-G	RANBP2
U73166.2	1.59E-08	0.101905	0.053	0.025	0.000237	Neo-G	U73166.2
CWC25.1	1.61E-08	0.116633	0.251	0.195	0.00024	Neo-G	CWC25
PLEKH01.4	1.62E-08	0.117193	0.328	0.269	0.000241	Neo-G	PLEKH01
LOH12CR2.1	1.62E-08	0.131163	0.086	0.05	0.000242	Neo-G	LOH12CR2
CRELD2.5	1.63E-08	-0.1253	0.203	0.293	0.000244	Neo-G	CRELD2
TCF20.2	1.69E-08	0.150652	0.09	0.053	0.000252	Neo-G	TCF20
CLIC2.4	1.70E-08	-0.16402	0.013	0.047	0.000255	Neo-G	CLIC2
FAM129B.5	1.71E-08	-0.10465	0.034	0.078	0.000256	Neo-G	FAM129B
ACSS1.4	1.72E-08	-0.11112	0.053	0.106	0.000258	Neo-G	ACSS1
RBMX2.2	1.72E-08	0.136739	0.282	0.23	0.000258	Neo-G	RBMX2
FUT11.1	1.73E-08	-0.10601	0.033	0.077	0.000258	Neo-G	FUT11
NLN.5	1.74E-08	0.194286	0.228	0.18	0.000261	Neo-G	NLN
SPRYD4.1	1.75E-08	-0.13823	0.032	0.076	0.000261	Neo-G	SPRYD4
NEMF.1	1.78E-08	0.141415	0.368	0.322	0.000265	Neo-G	NEMF
PPARG.4	1.79E-08	-0.11292	0.002	0.028	0.000268	Neo-G	PPARG
RP11-69E1	1.79E-08	0.12546	0.101	0.061	0.000268	Neo-G	RP11-69E11.4
HMGN5.1	1.83E-08	-0.13976	0.047	0.096	0.000273	Neo-G	HMGN5
SLC12A9.6	1.85E-08	-0.1563	0.137	0.209	0.000276	Neo-G	SLC12A9
LILRA4.2	1.85E-08	-0.13832	0.001	0.026	0.000276	Neo-G	LILRA4
NMNAT1.1	1.88E-08	-0.10531	0.036	0.082	0.000282	Neo-G	NMNAT1
MAP3K11.4	1.89E-08	-0.15152	0.12	0.19	0.000282	Neo-G	MAP3K11
RP13-516M	1.89E-08	-0.13203	0.005	0.035	0.000282	Neo-G	RP13-516M14.4
PTCRA.3	1.90E-08	-0.11952	0.001	0.026	0.000285	Neo-G	PTCRA
SPNS3.4	1.91E-08	-0.12495	0.001	0.026	0.000286	Neo-G	SPNS3
SFXN3.2	1.93E-08	-0.12931	0.063	0.118	0.000288	Neo-G	SFXN3
C9orf114.1	1.93E-08	-0.13351	0.086	0.149	0.000288	Neo-G	C9orf114
TMCC3.5	1.96E-08	-0.12921	0.034	0.078	0.000292	Neo-G	TMCC3
SNHG12.5	1.96E-08	-0.22155	0.083	0.14	0.000293	Neo-G	SNHG12
RNU12.3	1.98E-08	-0.19986	0.009	0.041	0.000296	Neo-G	RNU12
ZNF445.1	2.00E-08	0.101079	0.099	0.059	0.000299	Neo-G	ZNF445
IKBKB.2	2.01E-08	-0.12318	0.068	0.124	0.000301	Neo-G	IKBKB
ATPAF1.6	2.02E-08	0.164695	0.285	0.234	0.000301	Neo-G	ATPAF1
MSL1.2	2.03E-08	0.181158	0.201	0.153	0.000304	Neo-G	MSL1
RP11-353N	2.06E-08	-0.11692	0	0.024	0.000307	Neo-G	RP11-353N4.5
ARNT.2	2.08E-08	-0.11497	0.034	0.078	0.00031	Neo-G	ARNT
MXD3.6	2.10E-08	-0.12755	0.027	0.067	0.000314	Neo-G	MXD3
AIMP2.3	2.12E-08	0.111883	0.288	0.234	0.000316	Neo-G	AIMP2
RP11-115C	2.16E-08	0.173121	0.123	0.081	0.000323	Neo-G	RP11-115C21.2
LYPD6	2.16E-08	0.103391	0.043	0.019	0.000324	Neo-G	LYPD6
WDR92.3	2.19E-08	0.148908	0.116	0.075	0.000327	Neo-G	WDR92



TREML1. 4	2. 20E-08	-0. 12145	0	0. 024	0. 000328	Neo-G	TREML1
PAAF1. 4	2. 23E-08	0. 147268	0. 245	0. 194	0. 000333	Neo-G	PAAF1
FAM103A1.	2. 27E-08	-0. 22382	0. 17	0. 252	0. 000339	Neo-G	FAM103A1
ZNF32. 3	2. 27E-08	0. 18617	0. 266	0. 217	0. 00034	Neo-G	ZNF32
CSF2RB. 5	2. 29E-08	-0. 10443	0. 002	0. 027	0. 000342	Neo-G	CSF2RB
SNAP29. 4	2. 29E-08	-0. 11896	0. 153	0. 234	0. 000342	Neo-G	SNAP29
ZNF232. 5	2. 33E-08	0. 148026	0. 116	0. 075	0. 000349	Neo-G	ZNF232
SLC15A2. 1	2. 34E-08	-0. 10732	0. 002	0. 027	0. 00035	Neo-G	SLC15A2
TRIM21	2. 35E-08	-0. 10936	0. 012	0. 045	0. 000352	Neo-G	TRIM21
PLXNA2. 1	2. 36E-08	0. 126495	0. 079	0. 045	0. 000352	Neo-G	PLXNA2
LRRC20	2. 36E-08	0. 14634	0. 079	0. 045	0. 000353	Neo-G	LRRC20
MARK1. 4	2. 37E-08	0. 1625	0. 101	0. 063	0. 000354	Neo-G	MARK1
PCSK1. 4	2. 39E-08	-0. 13827	0. 007	0. 037	0. 000358	Neo-G	PCSK1
GSS. 3	2. 41E-08	-0. 14929	0. 167	0. 249	0. 00036	Neo-G	GSS
BAG4	2. 41E-08	0. 144956	0. 145	0. 099	0. 000361	Neo-G	BAG4
FMN1. 6	2. 49E-08	-0. 12774	0. 006	0. 035	0. 000372	Neo-G	FMN1
COA6. 3	2. 53E-08	-0. 16931	0. 198	0. 286	0. 000379	Neo-G	COA6
ST13	2. 55E-08	-0. 22562	0. 612	0. 655	0. 000381	Neo-G	ST13
CARNS1. 5	2. 56E-08	-0. 22535	0. 004	0. 031	0. 000382	Neo-G	CARNS1
TRAPPC6A.	2. 58E-08	-0. 20427	0. 185	0. 268	0. 000386	Neo-G	TRAPPC6A
RP11-46H1	2. 59E-08	-0. 24052	0. 003	0. 03	0. 000387	Neo-G	RP11-46H1. 3
LINC00493	2. 60E-08	-0. 25728	0. 463	0. 538	0. 000388	Neo-G	LINC00493
COG8. 4	2. 63E-08	0. 148163	0. 13	0. 087	0. 000393	Neo-G	COG8
FOXRED1. 3	2. 63E-08	0. 158551	0. 147	0. 102	0. 000393	Neo-G	FOXRED1
LAMTOR4. 1	2. 65E-08	-0. 24761	0. 752	0. 766	0. 000396	Neo-G	LAMTOR4
MYRF. 5	2. 68E-08	-0. 18575	0. 005	0. 034	0. 0004	Neo-G	MYRF
PPIL6. 6	2. 70E-08	0. 122303	0. 078	0. 044	0. 000403	Neo-G	PPIL6
SLC25A24.	2. 73E-08	-0. 10762	0. 053	0. 104	0. 000408	Neo-G	SLC25A24
EMG1. 3	2. 74E-08	-0. 20885	0. 165	0. 243	0. 000409	Neo-G	EMG1
CCDC74A. 4	2. 79E-08	0. 128506	0. 079	0. 045	0. 000418	Neo-G	CCDC74A
IL17RB. 5	2. 80E-08	-0. 11841	0. 015	0. 049	0. 000418	Neo-G	IL17RB
CASP10. 3	2. 83E-08	-0. 12533	0. 002	0. 028	0. 000422	Neo-G	CASP10
ENPP4. 4	2. 84E-08	-0. 15533	0. 021	0. 058	0. 000425	Neo-G	ENPP4
EIF2B5. 2	2. 85E-08	0. 146002	0. 229	0. 178	0. 000426	Neo-G	EIF2B5
MLF1. 4	2. 86E-08	0. 107211	0. 29	0. 236	0. 000428	Neo-G	MLF1
CDCA3. 6	2. 86E-08	-0. 14101	0. 02	0. 056	0. 000428	Neo-G	CDCA3
SPINT1. 6	2. 90E-08	-0. 11961	0. 007	0. 037	0. 000434	Neo-G	SPINT1
DENR. 3	2. 90E-08	0. 133233	0. 361	0. 315	0. 000434	Neo-G	DENR
PSD4. 3	2. 93E-08	-0. 10279	0. 005	0. 034	0. 000438	Neo-G	PSD4
SLC33A1. 1	2. 94E-08	-0. 10815	0. 075	0. 133	0. 000439	Neo-G	SLC33A1
FCER1A. 3	2. 96E-08	-0. 13881	0. 002	0. 027	0. 000442	Neo-G	FCER1A
RAB11FIP1	2. 97E-08	-0. 11721	0. 003	0. 03	0. 000445	Neo-G	RAB11FIP1
CASP9. 3	2. 99E-08	-0. 12718	0. 042	0. 089	0. 000446	Neo-G	CASP9
PPP2R5C. 3	2. 99E-08	-0. 19182	0. 183	0. 267	0. 000447	Neo-G	PPP2R5C
TMA16. 4	3. 04E-08	-0. 15771	0. 134	0. 208	0. 000454	Neo-G	TMA16
THSD4. 2	3. 05E-08	-0. 10238	0. 002	0. 028	0. 000455	Neo-G	THSD4
CTD-2336C	3. 06E-08	-0. 14079	0. 155	0. 232	0. 000458	Neo-G	CTD-233602. 1
ZBTB44. 2	3. 08E-08	0. 164058	0. 162	0. 115	0. 00046	Neo-G	ZBTB44
NMRK1. 5	3. 09E-08	-0. 27221	0. 09	0. 145	0. 000461	Neo-G	NMRK1
PSMC3IP. 6	3. 09E-08	0. 148072	0. 105	0. 066	0. 000462	Neo-G	PSMC3IP
DHRS9. 3	3. 13E-08	-0. 1773	0. 001	0. 025	0. 000467	Neo-G	DHRS9

SPG21. 6	3. 20E-08	-0. 2034	0. 302	0. 395	0. 000477	Neo-G	SPG21
CETN3. 4	3. 25E-08	0. 173763	0. 189	0. 141	0. 000486	Neo-G	CETN3
CP. 2	3. 26E-08	-0. 13719	0. 004	0. 031	0. 000487	Neo-G	CP
SVIP. 4	3. 27E-08	-0. 30021	0. 118	0. 176	0. 000489	Neo-G	SVIP
SLC12A2. 6	3. 27E-08	-0. 16976	0. 079	0. 136	0. 000489	Neo-G	SLC12A2
HP. 2	3. 30E-08	-0. 329	0. 002	0. 027	0. 000493	Neo-G	HP
MAPK13. 4	3. 45E-08	-0. 11949	0. 005	0. 034	0. 000515	Neo-G	MAPK13
FNDC3A. 3	3. 46E-08	-0. 12766	0. 145	0. 223	0. 000518	Neo-G	FNDC3A
SLC15A4. 1	3. 50E-08	-0. 12754	0. 035	0. 079	0. 000523	Neo-G	SLC15A4
SF3A1. 3	3. 52E-08	-0. 11638	0. 112	0. 181	0. 000527	Neo-G	SF3A1
TAL1. 3	3. 54E-08	-0. 1671	0. 008	0. 037	0. 000529	Neo-G	TAL1
DCAF8. 2	3. 56E-08	-0. 13329	0. 14	0. 216	0. 000532	Neo-G	DCAF8
VNN2. 4	3. 60E-08	-0. 1078	0. 002	0. 028	0. 000538	Neo-G	VNN2
NFATC1. 5	3. 69E-08	-0. 12229	0. 02	0. 056	0. 000552	Neo-G	NFATC1
SETD9. 1	3. 71E-08	-0. 13337	0. 079	0. 139	0. 000554	Neo-G	SETD9
RAD17. 3	3. 72E-08	0. 191355	0. 17	0. 125	0. 000555	Neo-G	RAD17
ARV1. 5	3. 77E-08	0. 126105	0. 224	0. 173	0. 000563	Neo-G	ARV1
GRIPAP1. 2	3. 78E-08	0. 160925	0. 237	0. 187	0. 000564	Neo-G	GRIPAP1
PPP1R1C. 4	3. 80E-08	-0. 11453	0. 003	0. 029	0. 000567	Neo-G	PPP1R1C
CTA-384D8	3. 81E-08	-0. 11142	0. 002	0. 026	0. 00057	Neo-G	CTA-384D8. 34
SUPT7L. 1	3. 83E-08	0. 139726	0. 234	0. 184	0. 000573	Neo-G	SUPT7L
CLEC2D. 1	3. 86E-08	-0. 14997	0. 003	0. 029	0. 000576	Neo-G	CLEC2D
CAPN1. 4	3. 87E-08	0. 115706	0. 308	0. 253	0. 000578	Neo-G	CAPN1
ADCK3. 3	3. 90E-08	-0. 13676	0. 077	0. 134	0. 000583	Neo-G	ADCK3
SEMA4C. 2	3. 99E-08	0. 122037	0. 135	0. 09	0. 000597	Neo-G	SEMA4C
FGFR2. 5	4. 03E-08	-0. 15917	0. 016	0. 051	0. 000602	Neo-G	FGFR2
ASXL2. 3	4. 07E-08	-0. 10036	0. 053	0. 104	0. 000609	Neo-G	ASXL2
MID1IP1. 3	4. 09E-08	-0. 25032	0. 197	0. 269	0. 000612	Neo-G	MID1IP1
TCTN3	4. 14E-08	-0. 13161	0. 089	0. 15	0. 000619	Neo-G	TCTN3
NEK7. 1	4. 16E-08	-0. 11744	0. 037	0. 081	0. 000621	Neo-G	NEK7
LLPH. 3	4. 21E-08	-0. 19813	0. 194	0. 277	0. 000629	Neo-G	LLPH
NCOR2. 4	4. 22E-08	-0. 10732	0. 157	0. 24	0. 000631	Neo-G	NCOR2
TNKS2. 4	4. 23E-08	-0. 11912	0. 063	0. 116	0. 000632	Neo-G	TNKS2
FHIT. 3	4. 34E-08	-0. 23691	0. 07	0. 122	0. 000649	Neo-G	FHIT
UPF2. 3	4. 36E-08	-0. 23082	0. 154	0. 225	0. 000652	Neo-G	UPF2
SAE1. 4	4. 37E-08	0. 100013	0. 322	0. 267	0. 000653	Neo-G	SAE1
PSD3. 6	4. 38E-08	0. 215326	0. 234	0. 189	0. 000654	Neo-G	PSD3
SEMA4F	4. 41E-08	0. 103647	0. 054	0. 027	0. 000658	Neo-G	SEMA4F
HINT2. 3	4. 42E-08	-0. 17589	0. 266	0. 355	0. 000661	Neo-G	HINT2
LACC1. 3	4. 47E-08	-0. 12223	0. 008	0. 037	0. 000668	Neo-G	LACC1
TECPR2. 2	4. 50E-08	-0. 10488	0. 027	0. 067	0. 000672	Neo-G	TECPR2
DNAJC10. 2	4. 52E-08	-0. 12885	0. 132	0. 205	0. 000676	Neo-G	DNAJC10
RPUSD1. 3	4. 54E-08	0. 199049	0. 174	0. 129	0. 000678	Neo-G	RPUSD1
CYSLTR1. 5	4. 56E-08	-0. 11823	0. 002	0. 028	0. 000681	Neo-G	CYSLTR1
SLC7A5. 7	4. 64E-08	-0. 23973	0. 09	0. 144	0. 000694	Neo-G	SLC7A5
PIK3CG. 4	4. 66E-08	-0. 10261	0. 001	0. 025	0. 000697	Neo-G	PIK3CG
ZNF582-AS	4. 71E-08	0. 110231	0. 113	0. 072	0. 000704	Neo-G	ZNF582-AS1
UBR7. 3	4. 72E-08	-0. 11686	0. 068	0. 123	0. 000706	Neo-G	UBR7
ALOX15B. 5	4. 75E-08	-0. 14234	0. 003	0. 029	0. 000709	Neo-G	ALOX15B
LINC00342	4. 77E-08	0. 116535	0. 057	0. 029	0. 000713	Neo-G	LINC00342
PSEN1. 2	4. 82E-08	-0. 15102	0. 119	0. 186	0. 000721	Neo-G	PSEN1

NRARP. 3	4. 86E-08	-0. 11048	0. 009	0. 039	0. 000727	Neo-G	NRARP
RP11-160C	4. 87E-08	-0. 13798	0. 005	0. 032	0. 000728	Neo-G	RP11-16005. 1
FAM118B. 4	5. 02E-08	0. 168824	0. 189	0. 141	0. 000749	Neo-G	FAM118B
GPS1. 4	5. 04E-08	0. 119975	0. 366	0. 319	0. 000753	Neo-G	GPS1
SLC44A3. 3	5. 08E-08	-0. 107	0. 005	0. 033	0. 000759	Neo-G	SLC44A3
DIS3L2. 1	5. 14E-08	0. 136644	0. 141	0. 097	0. 000769	Neo-G	DIS3L2
SLC25A42. 5	5. 17E-08	0. 138888	0. 079	0. 045	0. 000773	Neo-G	SLC25A42
MPP1. 7	5. 18E-08	-0. 28346	0. 148	0. 207	0. 000773	Neo-G	MPP1
ACSL3. 3	5. 19E-08	0. 122908	0. 391	0. 335	0. 000776	Neo-G	ACSL3
ANKRD50. 2	5. 24E-08	0. 147934	0. 079	0. 045	0. 000783	Neo-G	ANKRD50
STX10	5. 25E-08	-0. 21026	0. 276	0. 366	0. 000784	Neo-G	STX10
VRK2. 7	5. 31E-08	-0. 16064	0. 022	0. 058	0. 000793	Neo-G	VRK2
ABHD5. 2	5. 33E-08	-0. 17851	0. 065	0. 117	0. 000796	Neo-G	ABHD5
PGBD1. 3	5. 39E-08	0. 15774	0. 104	0. 067	0. 000806	Neo-G	PGBD1
IMMT. 3	5. 48E-08	0. 105331	0. 348	0. 297	0. 000819	Neo-G	IMMT
CBLB. 1	5. 49E-08	0. 141253	0. 112	0. 072	0. 000821	Neo-G	CBLB
CGGBP1. 3	5. 58E-08	0. 140917	0. 313	0. 264	0. 000835	Neo-G	CGGBP1
TIMM10B. 2	5. 60E-08	-0. 18491	0. 116	0. 183	0. 000838	Neo-G	TIMM10B
AQP9. 3	5. 65E-08	-0. 12165	0. 005	0. 032	0. 000845	Neo-G	AQP9
CAMKMT. 4	5. 81E-08	0. 183277	0. 11	0. 071	0. 000868	Neo-G	CAMKMT
RP11-597D	5. 83E-08	-0. 13624	0. 002	0. 026	0. 000871	Neo-G	RP11-597D13. 8
GNPDA2. 4	5. 92E-08	0. 155541	0. 165	0. 12	0. 000884	Neo-G	GNPDA2
WASL. 5	5. 94E-08	0. 185809	0. 225	0. 178	0. 000888	Neo-G	WASL
UBE2J1. 3	5. 98E-08	-0. 14481	0. 207	0. 29	0. 000893	Neo-G	UBE2J1
CLOCK. 5	5. 98E-08	0. 148239	0. 171	0. 123	0. 000894	Neo-G	CLOCK
CEACAM21. 6	6. 25E-08	-0. 11053	0	0. 023	0. 000934	Neo-G	CEACAM21
RP11-386G	6. 26E-08	-0. 26033	0. 093	0. 15	0. 000936	Neo-G	RP11-386G11. 10
SLC37A4. 2	6. 32E-08	-0. 14392	0. 072	0. 127	0. 000944	Neo-G	SLC37A4
ATP5L2. 3	6. 45E-08	-0. 30193	0. 053	0. 098	0. 000964	Neo-G	ATP5L2
TRPT1. 2	6. 55E-08	-0. 14291	0. 154	0. 232	0. 000979	Neo-G	TRPT1
JMY. 4	6. 58E-08	0. 142166	0. 14	0. 096	0. 000983	Neo-G	JMY
FAM122A. 5	6. 79E-08	0. 166216	0. 186	0. 138	0. 001015	Neo-G	FAM122A
ADAM15. 3	6. 87E-08	-0. 12013	0. 068	0. 121	0. 001026	Neo-G	ADAM15
ZCCHC6. 6	6. 94E-08	-0. 17357	0. 086	0. 141	0. 001037	Neo-G	ZCCHC6
VPS37B. 5	6. 98E-08	0. 12542	0. 302	0. 249	0. 001044	Neo-G	VPS37B
ERMAP. 1	7. 03E-08	-0. 10013	0. 015	0. 048	0. 00105	Neo-G	ERMAP
HHLA3. 6	7. 07E-08	-0. 18359	0. 087	0. 146	0. 001057	Neo-G	HHLA3
ARMC8. 2	7. 09E-08	0. 109537	0. 247	0. 194	0. 001059	Neo-G	ARMC8
THAP2. 1	7. 12E-08	0. 11723	0. 17	0. 121	0. 001064	Neo-G	THAP2
CDK13. 1	7. 12E-08	0. 174527	0. 159	0. 114	0. 001064	Neo-G	CDK13
DNAAF1. 4	7. 18E-08	-0. 17135	0. 004	0. 03	0. 001073	Neo-G	DNAAF1
ACSL1. 7	7. 36E-08	-0. 31212	0. 18	0. 233	0. 0011	Neo-G	ACSL1
PIR. 4	7. 47E-08	-0. 15057	0. 024	0. 06	0. 001117	Neo-G	PIR
TMEM14C. 5	7. 89E-08	-0. 27952	0. 541	0. 597	0. 001179	Neo-G	TMEM14C
AC016831. 7	7. 89E-08	-0. 17099	0. 035	0. 075	0. 001179	Neo-G	AC016831. 7
HAAO. 6	8. 09E-08	-0. 13029	0. 002	0. 025	0. 001209	Neo-G	HAAO
KIF27	8. 30E-08	0. 100156	0. 053	0. 027	0. 00124	Neo-G	KIF27
SNX17. 2	8. 36E-08	-0. 23788	0. 376	0. 459	0. 00125	Neo-G	SNX17
CXCL3. 4	8. 61E-08	-0. 34851	0. 037	0. 076	0. 001287	Neo-G	CXCL3
CLEC12A. 4	8. 66E-08	-0. 10312	0	0. 022	0. 001295	Neo-G	CLEC12A
TRIM37. 5	8. 74E-08	0. 199169	0. 188	0. 145	0. 001306	Neo-G	TRIM37

DNM1. 3	8. 80E-08	0. 168409	0. 105	0. 069	0. 001315	Neo-G	DNM1
ADK. 2	8. 87E-08	-0. 145	0. 108	0. 173	0. 001325	Neo-G	ADK
SLC7A6OS. 8.	8. 89E-08	0. 156448	0. 175	0. 129	0. 001329	Neo-G	SLC7A6OS
DPCD. 5	8. 91E-08	-0. 19548	0. 105	0. 168	0. 001332	Neo-G	DPCD
CHORDC1. 2	9. 05E-08	0. 104277	0. 259	0. 206	0. 001353	Neo-G	CHORDC1
CLDN11. 5	9. 15E-08	-0. 33797	0. 016	0. 049	0. 001368	Neo-G	CLDN11
COX8A. 1	9. 33E-08	-0. 18248	0. 8	0. 767	0. 001394	Neo-G	COX8A
CCAR1. 3	9. 49E-08	0. 137537	0. 294	0. 245	0. 001418	Neo-G	CCAR1
RNF125. 3	9. 53E-08	-0. 11917	0. 002	0. 027	0. 001424	Neo-G	RNF125
NFIL3. 7	9. 55E-08	-0. 1592	0. 044	0. 088	0. 001428	Neo-G	NFIL3
RNF44. 2	9. 58E-08	0. 164998	0. 154	0. 109	0. 001432	Neo-G	RNF44
CEACAM4. 5	9. 80E-08	-0. 1094	0. 002	0. 026	0. 001465	Neo-G	CEACAM4
NPRL3. 4	9. 91E-08	0. 194572	0. 231	0. 185	0. 001481	Neo-G	NPRL3
ZNF660. 1	9. 94E-08	0. 141061	0. 079	0. 046	0. 001486	Neo-G	ZNF660
PKN1. 3	9. 95E-08	-0. 10219	0. 171	0. 252	0. 001487	Neo-G	PKN1
RXRA. 4	1. 01E-07	-0. 13037	0. 053	0. 102	0. 001505	Neo-G	RXRA
MLKL. 4	1. 01E-07	-0. 12287	0. 005	0. 031	0. 001509	Neo-G	MLKL
THG1L. 3	1. 06E-07	-0. 11963	0. 038	0. 08	0. 001591	Neo-G	THG1L
TM9SF4. 2	1. 07E-07	-0. 10305	0. 125	0. 195	0. 001602	Neo-G	TM9SF4
POM121. 2	1. 07E-07	0. 148398	0. 199	0. 152	0. 001603	Neo-G	POM121
SCARF1. 5	1. 08E-07	-0. 11725	0. 004	0. 029	0. 001611	Neo-G	SCARF1
C17orf10C	1. 08E-07	0. 200869	0. 125	0. 086	0. 001618	Neo-G	C17orf100
TRIB2. 7	1. 10E-07	0. 127783	0. 316	0. 256	0. 001643	Neo-G	TRIB2
LILRB3. 5	1. 12E-07	-0. 14646	0. 013	0. 043	0. 001669	Neo-G	LILRB3
ZMAT5. 2	1. 12E-07	-0. 15406	0. 165	0. 244	0. 00168	Neo-G	ZMAT5
CLEC10A. 3	1. 13E-07	-0. 12065	0	0. 022	0. 001681	Neo-G	CLEC10A
CIDEB. 5	1. 15E-07	-0. 1017	0. 003	0. 028	0. 001717	Neo-G	CIDEB
SOX10. 4	1. 16E-07	-0. 15695	0. 005	0. 032	0. 001728	Neo-G	SOX10
ATP10D	1. 21E-07	-0. 12521	0. 034	0. 075	0. 001803	Neo-G	ATP10D
LRIF1. 4	1. 22E-07	0. 14096	0. 24	0. 192	0. 001817	Neo-G	LRIF1
UBXN11. 4	1. 24E-07	-0. 19246	0. 086	0. 142	0. 00185	Neo-G	UBXN11
ARPC4. 7	1. 24E-07	-0. 25477	0. 453	0. 521	0. 001859	Neo-G	ARPC4
UBE2L6. 3	1. 26E-07	-0. 33193	0. 411	0. 481	0. 001886	Neo-G	UBE2L6
PTEN. 6	1. 31E-07	-0. 13661	0. 081	0. 135	0. 001957	Neo-G	PTEN
RP1-313I6	1. 32E-07	-0. 13798	0. 021	0. 056	0. 001968	Neo-G	RP1-313I6. 12
PPP1R21. 1	1. 32E-07	0. 14907	0. 152	0. 108	0. 001971	Neo-G	PPP1R21
SETD2. 3	1. 33E-07	0. 163576	0. 184	0. 139	0. 001993	Neo-G	SETD2
PTPN12. 3	1. 38E-07	0. 164707	0. 263	0. 217	0. 002059	Neo-G	PTPN12
NDUFAF5. 3	1. 39E-07	0. 166365	0. 172	0. 129	0. 002079	Neo-G	NDUFAF5
SPATA33. 5	1. 43E-07	0. 14644	0. 186	0. 141	0. 002131	Neo-G	SPATA33
SIDT2. 1	1. 43E-07	-0. 12801	0. 038	0. 08	0. 002141	Neo-G	SIDT2
VPS72. 4	1. 44E-07	0. 130506	0. 315	0. 271	0. 002159	Neo-G	VPS72
GMEB1. 1	1. 45E-07	0. 104895	0. 134	0. 091	0. 002173	Neo-G	GMEB1
PSPH. 6	1. 46E-07	0. 152923	0. 198	0. 152	0. 002175	Neo-G	PSPH
TAF2	1. 46E-07	0. 168265	0. 137	0. 096	0. 00218	Neo-G	TAF2
FTSJ2. 4	1. 47E-07	0. 118534	0. 279	0. 232	0. 00219	Neo-G	FTSJ2
FAM135A. 2	1. 49E-07	-0. 12391	0. 046	0. 091	0. 002229	Neo-G	FAM135A
FAM8A1. 3	1. 50E-07	0. 150614	0. 118	0. 079	0. 002241	Neo-G	FAM8A1
SULT1A1. 5	1. 52E-07	-0. 18311	0. 02	0. 053	0. 002268	Neo-G	SULT1A1
H2AFX. 6	1. 53E-07	-0. 16422	0. 159	0. 227	0. 00229	Neo-G	H2AFX
KCNK6. 5	1. 56E-07	-0. 14093	0. 013	0. 043	0. 002328	Neo-G	KCNK6

RWDD2A. 1	1. 56E-07	0. 137631	0. 101	0. 064	0. 002329	Neo-G	RWDD2A
HHATL. 2	1. 56E-07	-0. 12529	0	0. 021	0. 00233	Neo-G	HHATL
PGGT1B. 2	1. 58E-07	-0. 13244	0. 057	0. 104	0. 002363	Neo-G	PGGT1B
MFSD2A. 3	1. 60E-07	-0. 12754	0. 056	0. 104	0. 002388	Neo-G	MFSD2A
CD70. 1	1. 62E-07	-0. 13386	0. 001	0. 023	0. 002426	Neo-G	CD70
NIT2. 2	1. 62E-07	-0. 23408	0. 166	0. 236	0. 002428	Neo-G	NIT2
PDP1. 4	1. 63E-07	0. 146957	0. 167	0. 121	0. 002435	Neo-G	PDP1
RAB26	1. 63E-07	0. 11156	0. 051	0. 026	0. 002437	Neo-G	RAB26
CDK18. 4	1. 64E-07	-0. 19298	0. 041	0. 082	0. 002446	Neo-G	CDK18
LCA5. 3	1. 64E-07	0. 159183	0. 079	0. 047	0. 002456	Neo-G	LCA5
STAT5A. 6	1. 65E-07	-0. 13021	0. 021	0. 056	0. 002462	Neo-G	STAT5A
STARD7. 3	1. 68E-07	-0. 15263	0. 24	0. 325	0. 002512	Neo-G	STARD7
SIDT1. 4	1. 70E-07	-0. 13306	0. 002	0. 026	0. 002537	Neo-G	SIDT1
ABRACL. 6	1. 70E-07	0. 110213	0. 351	0. 299	0. 00254	Neo-G	ABRACL
C3orf33. 1	1. 71E-07	0. 108893	0. 086	0. 052	0. 002551	Neo-G	C3orf33
QRICH1. 3	1. 72E-07	0. 159979	0. 189	0. 144	0. 002572	Neo-G	QRICH1
INHBA. 2	1. 73E-07	-0. 11047	0. 001	0. 023	0. 002581	Neo-G	INHBA
FAM35A. 1	1. 76E-07	-0. 10307	0. 028	0. 066	0. 002635	Neo-G	FAM35A
LEAP2. 2	1. 79E-07	0. 106948	0. 118	0. 077	0. 002679	Neo-G	LEAP2
LYST. 2	1. 80E-07	-0. 11762	0. 097	0. 157	0. 002692	Neo-G	LYST
PRRG4. 5	1. 83E-07	-0. 15204	0. 016	0. 048	0. 00274	Neo-G	PRRG4
C14orf119	1. 84E-07	-0. 19295	0. 235	0. 322	0. 002743	Neo-G	C14orf119
SLC44A2. 5	1. 84E-07	-0. 11419	0. 139	0. 21	0. 002746	Neo-G	SLC44A2
ARPC5. 6	1. 87E-07	-0. 25512	0. 645	0. 676	0. 002796	Neo-G	ARPC5
FAM195A. 4	1. 95E-07	-0. 12736	0. 185	0. 263	0. 00291	Neo-G	FAM195A
CAPN10. 3	1. 95E-07	0. 178233	0. 121	0. 082	0. 002914	Neo-G	CAPN10
MORN4. 3	1. 95E-07	0. 111356	0. 079	0. 047	0. 002919	Neo-G	MORN4
TIAL1. 2	1. 99E-07	-0. 17305	0. 161	0. 233	0. 002968	Neo-G	TIAL1
SLC25A29. 1	1. 99E-07	0. 204107	0. 191	0. 148	0. 002975	Neo-G	SLC25A29
ERCC6L2. 3	2. 01E-07	0. 149094	0. 12	0. 082	0. 002999	Neo-G	ERCC6L2
SNAPC3. 4	2. 02E-07	0. 168844	0. 174	0. 131	0. 003025	Neo-G	SNAPC3
ENOPH1. 5	2. 03E-07	0. 107339	0. 43	0. 384	0. 003033	Neo-G	ENOPH1
CYP27A1. 4	2. 04E-07	-0. 12444	0. 109	0. 171	0. 003048	Neo-G	CYP27A1
IFI27L2. 4	2. 05E-07	-0. 24548	0. 39	0. 481	0. 00307	Neo-G	IFI27L2
TP53BP1. 3	2. 09E-07	0. 178864	0. 132	0. 093	0. 003124	Neo-G	TP53BP1
AP5B1. 3	2. 09E-07	-0. 10319	0. 021	0. 056	0. 003128	Neo-G	AP5B1
NFE2L1. 3	2. 11E-07	-0. 11183	0. 127	0. 195	0. 003149	Neo-G	NFE2L1
DSCAM. 4	2. 12E-07	0. 141736	0. 108	0. 07	0. 003167	Neo-G	DSCAM
LOX. 4	2. 12E-07	-0. 17928	0. 016	0. 048	0. 003169	Neo-G	LOX
RNF170. 3	2. 12E-07	0. 15175	0. 205	0. 16	0. 003175	Neo-G	RNF170
MMP9. 1	2. 13E-07	-0. 10132	0. 005	0. 031	0. 00319	Neo-G	MMP9
AMFR. 1	2. 14E-07	-0. 10957	0. 115	0. 18	0. 003195	Neo-G	AMFR
EPB41L1. 5	2. 15E-07	0. 155794	0. 123	0. 084	0. 003207	Neo-G	EPB41L1
IMPDH2. 7	2. 15E-07	-0. 28935	0. 351	0. 424	0. 003211	Neo-G	IMPDH2
HSD11B1. 1	2. 17E-07	-0. 1362	0. 003	0. 027	0. 003237	Neo-G	HSD11B1
SLC11A2. 2	2. 17E-07	-0. 15469	0. 114	0. 175	0. 00324	Neo-G	SLC11A2
RP11-212I	2. 18E-07	-0. 11906	0. 002	0. 025	0. 003252	Neo-G	RP11-212I21. 4
NAA16. 4	2. 18E-07	0. 170727	0. 159	0. 117	0. 003252	Neo-G	NAA16
FAM98C. 2	2. 19E-07	-0. 11466	0. 087	0. 144	0. 003265	Neo-G	FAM98C
TRAPPC9	2. 20E-07	0. 142282	0. 096	0. 06	0. 003281	Neo-G	TRAPPC9
ITGAL. 2	2. 20E-07	-0. 12009	0. 003	0. 027	0. 003287	Neo-G	ITGAL

PMS2. 5	2. 21E-07	0. 137003	0. 167	0. 123	0. 003304	Neo-G	PMS2
FBXW2. 3	2. 22E-07	-0. 10942	0. 131	0. 2	0. 003311	Neo-G	FBXW2
APIP. 5	2. 22E-07	-0. 20291	0. 17	0. 241	0. 003325	Neo-G	APIP
PRR14. 3	2. 25E-07	0. 180469	0. 239	0. 195	0. 003336	Neo-G	PRR14
CES4A	2. 25E-07	-0. 12797	0. 001	0. 022	0. 003361	Neo-G	CES4A
RCC1. 2	2. 29E-07	-0. 11546	0. 057	0. 105	0. 003419	Neo-G	RCC1
POC1B. 1	2. 30E-07	-0. 10562	0. 044	0. 088	0. 003443	Neo-G	POC1B
PLEKHA5. 2	2. 32E-07	0. 146274	0. 095	0. 06	0. 003466	Neo-G	PLEKHA5
CDCA4. 5	2. 35E-07	-0. 10301	0. 048	0. 093	0. 003506	Neo-G	CDCA4
AGK. 2	2. 36E-07	0. 125625	0. 137	0. 095	0. 003525	Neo-G	AGK
KANSL1. 5	2. 38E-07	0. 17836	0. 205	0. 161	0. 003557	Neo-G	KANSL1
ABC8. 3	2. 42E-07	0. 153309	0. 181	0. 136	0. 003611	Neo-G	ABC8
CNDP1. 5	2. 44E-07	-0. 26107	0. 009	0. 037	0. 003648	Neo-G	CNDP1
NUP50. 4	2. 46E-07	-0. 10051	0. 071	0. 122	0. 003675	Neo-G	NUP50
ZBTB5	2. 48E-07	0. 10678	0. 06	0. 032	0. 003711	Neo-G	ZBTB5
RUFY1. 3	2. 48E-07	-0. 10824	0. 099	0. 159	0. 003712	Neo-G	RUFY1
DENND4B. 5	2. 50E-07	-0. 10219	0. 034	0. 073	0. 003729	Neo-G	DENND4B
TMEM18. 2	2. 51E-07	-0. 18912	0. 147	0. 215	0. 003756	Neo-G	TMEM18
SLC31A1. 5	2. 55E-07	-0. 18224	0. 114	0. 174	0. 003807	Neo-G	SLC31A1
TNFAIP1. 5	2. 56E-07	0. 191467	0. 212	0. 171	0. 003829	Neo-G	TNFAIP1
UBE2A. 3	2. 58E-07	-0. 22149	0. 34	0. 432	0. 003852	Neo-G	UBE2A
ATP5H. 3	2. 59E-07	-0. 23133	0. 629	0. 652	0. 003876	Neo-G	ATP5H
RNF141. 4	2. 60E-07	-0. 19211	0. 153	0. 222	0. 003885	Neo-G	RNF141
PDLIM3. 6	2. 61E-07	-0. 1892	0. 07	0. 119	0. 003898	Neo-G	PDLIM3
INTS4	2. 62E-07	0. 130912	0. 122	0. 082	0. 00391	Neo-G	INTS4
MAVS. 1	2. 67E-07	-0. 10055	0. 037	0. 078	0. 003991	Neo-G	MAVS
NDRG2. 4	2. 67E-07	-0. 33272	0. 312	0. 365	0. 003995	Neo-G	NDRG2
MANSC1. 3	2. 68E-07	0. 138319	0. 087	0. 054	0. 004002	Neo-G	MANSC1
UPRT. 1	2. 71E-07	0. 1354	0. 122	0. 082	0. 004043	Neo-G	UPRT
DIO2. 2	2. 72E-07	-0. 10859	0. 01	0. 039	0. 004059	Neo-G	DIO2
KIAA1143. 2	2. 73E-07	-0. 13974	0. 146	0. 218	0. 004082	Neo-G	KIAA1143
C6orf52. 2	2. 75E-07	0. 131849	0. 072	0. 042	0. 004115	Neo-G	C6orf52
SNRPN. 7	2. 83E-07	-0. 46824	0. 06	0. 103	0. 004226	Neo-G	SNRPN
MKNK2. 1	2. 85E-07	-0. 15927	0. 129	0. 191	0. 004261	Neo-G	MKNK2
IFNLR1. 3	2. 86E-07	-0. 12166	0. 003	0. 026	0. 004269	Neo-G	IFNLR1
FER. 3	2. 89E-07	0. 173309	0. 127	0. 089	0. 004325	Neo-G	FER
OSGEPL1. 2	2. 90E-07	0. 124054	0. 101	0. 064	0. 004335	Neo-G	OSGEPL1
NFKBIE. 6	2. 92E-07	-0. 12054	0. 086	0. 14	0. 004368	Neo-G	NFKBIE
PTPN22. 5	2. 96E-07	-0. 10912	0. 005	0. 029	0. 004425	Neo-G	PTPN22
RARS. 2	2. 97E-07	0. 101931	0. 288	0. 239	0. 004431	Neo-G	RARS
FOLH1. 3	3. 00E-07	-0. 10742	0	0. 02	0. 004477	Neo-G	FOLH1
PPOX. 2	3. 02E-07	0. 148742	0. 146	0. 105	0. 004507	Neo-G	PPOX
SLC2A9. 5	3. 03E-07	-0. 11558	0. 004	0. 028	0. 004533	Neo-G	SLC2A9
PPP6R3	3. 04E-07	-0. 10394	0. 076	0. 13	0. 004545	Neo-G	PPP6R3
MAP3K10	3. 07E-07	0. 135868	0. 062	0. 034	0. 004586	Neo-G	MAP3K10
VTI1A. 5	3. 14E-07	-0. 12583	0. 031	0. 069	0. 004698	Neo-G	VTI1A
LMBRD1. 4	3. 16E-07	-0. 23062	0. 159	0. 223	0. 00473	Neo-G	LMBRD1
PPP1CB. 4	3. 24E-07	-0. 22903	0. 468	0. 511	0. 004835	Neo-G	PPP1CB
PRRT1. 4	3. 24E-07	0. 14888	0. 079	0. 048	0. 004846	Neo-G	PRRT1
AARSD1. 4	3. 25E-07	0. 166544	0. 141	0. 101	0. 004863	Neo-G	AARSD1
AGO3. 3	3. 26E-07	0. 143806	0. 233	0. 187	0. 004869	Neo-G	AGO3

SPEN. 3	3. 29E-07	0. 168055	0. 199	0. 154	0. 004915	Neo-G	SPEN
CDK20. 4	3. 30E-07	0. 125522	0. 088	0. 055	0. 004931	Neo-G	CDK20
ZNF800. 4	3. 30E-07	0. 171459	0. 221	0. 177	0. 004933	Neo-G	ZNF800
TRIT1. 2	3. 36E-07	0. 123874	0. 123	0. 083	0. 005014	Neo-G	TRIT1
GEMIN7. 1	3. 41E-07	-0. 12076	0. 104	0. 166	0. 005098	Neo-G	GEMIN7
CSAD. 5	3. 42E-07	0. 206213	0. 203	0. 163	0. 005113	Neo-G	CSAD
PDIA6. 3	3. 46E-07	-0. 2298	0. 65	0. 647	0. 005176	Neo-G	PDIA6
ETNK2	3. 52E-07	0. 105456	0. 059	0. 032	0. 005257	Neo-G	ETNK2
PLEKHH3. 4	3. 52E-07	0. 171534	0. 116	0. 08	0. 005262	Neo-G	PLEKHH3
TXNDC9. 2	3. 56E-07	0. 104764	0. 302	0. 255	0. 005325	Neo-G	TXNDC9
ANKRA2. 4	3. 61E-07	0. 139738	0. 187	0. 142	0. 005393	Neo-G	ANKRA2
RRP8. 2	3. 67E-07	-0. 10946	0. 079	0. 133	0. 005481	Neo-G	RRP8
TMA7. 5	3. 69E-07	-0. 19848	0. 896	0. 846	0. 005521	Neo-G	TMA7
SETX. 4	3. 73E-07	-0. 12803	0. 112	0. 173	0. 00557	Neo-G	SETX
TMEM125. 3	3. 76E-07	-0. 15212	0. 002	0. 024	0. 005618	Neo-G	TMEM125
ZDHHC14. 2	3. 76E-07	-0. 11781	0. 041	0. 082	0. 00562	Neo-G	ZDHHC14
TTC21B. 1	3. 80E-07	0. 128083	0. 073	0. 043	0. 005678	Neo-G	TTC21B
MT1F. 6	3. 80E-07	-0. 22433	0. 24	0. 313	0. 005678	Neo-G	MT1F
MZT2A. 4	3. 80E-07	0. 104664	0. 45	0. 409	0. 005678	Neo-G	MZT2A
C19orf12. 3	3. 81E-07	0. 152167	0. 18	0. 138	0. 005694	Neo-G	C19orf12
CFB. 1	3. 85E-07	-0. 10148	0. 002	0. 025	0. 005753	Neo-G	CFB
PEX6. 2	3. 89E-07	0. 126562	0. 092	0. 058	0. 005811	Neo-G	PEX6
KLK6. 5	3. 90E-07	-0. 25594	0. 008	0. 034	0. 00583	Neo-G	KLK6
NOB1. 2	3. 95E-07	-0. 14383	0. 134	0. 2	0. 0059	Neo-G	NOB1
MTMR6. 3	3. 96E-07	0. 121258	0. 186	0. 14	0. 005913	Neo-G	MTMR6
UBA3. 1	3. 98E-07	0. 124098	0. 288	0. 24	0. 005951	Neo-G	UBA3
DHX15. 4	3. 98E-07	0. 131352	0. 285	0. 239	0. 005952	Neo-G	DHX15
TNNI2. 5	4. 00E-07	-0. 10966	0. 001	0. 021	0. 005983	Neo-G	TNNI2
MTA3. 1	4. 02E-07	-0. 10117	0. 042	0. 084	0. 006013	Neo-G	MTA3
ACY3. 3	4. 04E-07	-0. 12679	0. 001	0. 021	0. 00603	Neo-G	ACY3
DCUN1D4. 3	4. 04E-07	0. 167195	0. 135	0. 095	0. 006036	Neo-G	DCUN1D4
TPSAB1. 2	4. 05E-07	-0. 15689	0. 002	0. 024	0. 006045	Neo-G	TPSAB1
LIX1. 2	4. 11E-07	-0. 10422	0. 002	0. 023	0. 006141	Neo-G	LIX1
CDK6. 6	4. 16E-07	0. 145062	0. 251	0. 2	0. 006223	Neo-G	CDK6
PPA2. 3	4. 19E-07	-0. 2055	0. 243	0. 324	0. 006268	Neo-G	PPA2
HERPUD1. 5	4. 21E-07	-0. 28913	0. 638	0. 642	0. 00629	Neo-G	HERPUD1
SENTP6. 3	4. 22E-07	0. 160324	0. 257	0. 214	0. 006299	Neo-G	SENTP6
PSMG2. 3	4. 22E-07	-0. 26101	0. 339	0. 421	0. 006304	Neo-G	PSMG2
FLCN. 2	4. 34E-07	-0. 12132	0. 086	0. 142	0. 00648	Neo-G	FLCN
AMD1. 2	4. 34E-07	-0. 25549	0. 315	0. 392	0. 006492	Neo-G	AMD1
JMJD1C. 5	4. 36E-07	0. 117643	0. 374	0. 329	0. 006511	Neo-G	JMJD1C
LRP1B	4. 37E-07	0. 100026	0. 048	0. 024	0. 006533	Neo-G	LRP1B
H3F3C. 1	4. 38E-07	-0. 26883	0. 024	0. 057	0. 00654	Neo-G	H3F3C
TNS1. 3	4. 43E-07	-0. 12079	0. 02	0. 053	0. 006621	Neo-G	TNS1
PMF1. 3	4. 43E-07	-0. 22348	0. 249	0. 329	0. 006625	Neo-G	PMF1
RABGGTB. 2	4. 46E-07	-0. 17515	0. 223	0. 3	0. 006666	Neo-G	RABGGTB
MTHFR. 4	4. 61E-07	-0. 1277	0. 042	0. 083	0. 006884	Neo-G	MTHFR
GS1-124K5	4. 65E-07	0. 143839	0. 151	0. 109	0. 006942	Neo-G	GS1-124K5. 4
INHBB. 1	4. 66E-07	0. 109531	0. 054	0. 029	0. 006964	Neo-G	INHBB
RP11-244H	4. 73E-07	-0. 1168	0	0. 02	0. 007071	Neo-G	RP11-244H3. 4
DHTKD1. 2	4. 75E-07	-0. 11191	0. 078	0. 131	0. 007097	Neo-G	DHTKD1

C1orf159. 4.	4. 78E-07	0. 136658	0. 079	0. 048	0. 00715	Neo-G	C1orf159
C14orf159	4. 82E-07	-0. 11332	0. 079	0. 131	0. 007205	Neo-G	C14orf159
IPCEF1. 3	4. 87E-07	-0. 10309	0. 002	0. 024	0. 007282	Neo-G	IPCEF1
RAB33B	4. 99E-07	0. 118119	0. 088	0. 055	0. 007456	Neo-G	RAB33B
TRMT2A	5. 01E-07	-0. 11	0. 092	0. 148	0. 007483	Neo-G	TRMT2A
DDX41. 3	5. 07E-07	0. 130958	0. 283	0. 238	0. 007579	Neo-G	DDX41
PCGF3. 2	5. 15E-07	0. 150539	0. 152	0. 11	0. 007692	Neo-G	PCGF3
DYNC2LI1.	5. 22E-07	0. 121991	0. 204	0. 159	0. 007805	Neo-G	DYNC2LI1
LZIC. 2	5. 25E-07	-0. 10144	0. 124	0. 189	0. 007851	Neo-G	LZIC
TTC5	5. 32E-07	0. 13147	0. 134	0. 092	0. 007957	Neo-G	TTC5
DIRAS2. 5	5. 33E-07	0. 115722	0. 093	0. 059	0. 007971	Neo-G	DIRAS2
TTC28. 5	5. 40E-07	0. 20668	0. 128	0. 091	0. 008068	Neo-G	TTC28
SNX22	5. 41E-07	-0. 18992	0. 033	0. 069	0. 008089	Neo-G	SNX22
YKT6. 3	5. 45E-07	0. 148108	0. 277	0. 234	0. 00814	Neo-G	YKT6
KAT2A. 3	5. 52E-07	-0. 11115	0. 108	0. 167	0. 008254	Neo-G	KAT2A
ATG5. 2	5. 60E-07	0. 104121	0. 251	0. 203	0. 008374	Neo-G	ATG5
SLC22A5	5. 61E-07	0. 107227	0. 06	0. 033	0. 008386	Neo-G	SLC22A5
RP11-156K	5. 65E-07	-0. 10398	0. 001	0. 021	0. 008441	Neo-G	RP11-156K13. 3
FPR2. 5	5. 67E-07	-0. 1031	0. 001	0. 021	0. 008469	Neo-G	FPR2
RP4-613B2	5. 74E-07	-0. 11084	0. 01	0. 037	0. 008575	Neo-G	RP4-613B23. 1
BTF3. 3	5. 74E-07	-0. 24007	0. 922	0. 895	0. 008582	Neo-G	BTF3
CDR2L. 3	5. 77E-07	0. 151293	0. 093	0. 06	0. 008625	Neo-G	CDR2L
DDX10	5. 93E-07	0. 12442	0. 158	0. 116	0. 008867	Neo-G	DDX10
CCDC102B.	6. 00E-07	-0. 10355	0. 059	0. 106	0. 008969	Neo-G	CCDC102B
PDLIM5. 2	6. 14E-07	-0. 13507	0. 156	0. 227	0. 009179	Neo-G	PDLIM5
ELK4. 2	6. 20E-07	-0. 10112	0. 064	0. 112	0. 009263	Neo-G	ELK4
DNAJB1. 4	6. 25E-07	-0. 30077	0. 56	0. 616	0. 009336	Neo-G	DNAJB1
YIF1A. 4	6. 29E-07	-0. 2361	0. 351	0. 433	0. 009396	Neo-G	YIF1A
NCSTN. 2	6. 36E-07	-0. 16785	0. 187	0. 262	0. 009502	Neo-G	NCSTN
REPS1. 5	6. 43E-07	0. 195526	0. 162	0. 123	0. 009603	Neo-G	REPS1
MYD88. 4	6. 50E-07	-0. 12041	0. 083	0. 136	0. 009709	Neo-G	MYD88
AGTPBP1. 3	6. 52E-07	0. 121664	0. 079	0. 047	0. 009748	Neo-G	AGTPBP1
EPS8L1	6. 54E-07	0. 135118	0. 071	0. 043	0. 00977	Neo-G	EPS8L1
FDFT1. 4	6. 57E-07	-0. 20664	0. 237	0. 314	0. 009813	Neo-G	FDFT1
RAI1. 2	6. 58E-07	0. 186749	0. 097	0. 063	0. 009832	Neo-G	RAI1
PRRT2. 5	6. 59E-07	0. 216453	0. 123	0. 087	0. 009841	Neo-G	PRRT2
TBC1D12. 5	6. 59E-07	-0. 13211	0. 066	0. 112	0. 009848	Neo-G	TBC1D12
CDK14. 3	6. 70E-07	0. 162776	0. 11	0. 074	0. 010016	Neo-G	CDK14
MAPK3. 2	6. 76E-07	-0. 1658	0. 148	0. 214	0. 010101	Neo-G	MAPK3
RP11-84C1	6. 89E-07	-0. 1148	0. 001	0. 021	0. 010298	Neo-G	RP11-84C10. 2
LTA4H. 5	6. 91E-07	-0. 23151	0. 174	0. 236	0. 010321	Neo-G	LTA4H
ZFP62	6. 95E-07	0. 12502	0. 119	0. 082	0. 010388	Neo-G	ZFP62
THOC1. 2	6. 96E-07	0. 106782	0. 187	0. 141	0. 010406	Neo-G	THOC1
PCSK6. 1	7. 00E-07	-0. 10974	0	0. 019	0. 010461	Neo-G	PCSK6
MAN2B2	7. 03E-07	-0. 11973	0. 042	0. 082	0. 010509	Neo-G	MAN2B2
LMAN1. 4	7. 04E-07	-0. 21867	0. 258	0. 338	0. 010523	Neo-G	LMAN1
LINC0032C	7. 04E-07	-0. 16378	0. 003	0. 025	0. 010525	Neo-G	LINC00320
ACBD3. 2	7. 07E-07	0. 185378	0. 211	0. 17	0. 010563	Neo-G	ACBD3
WDR18. 4	7. 10E-07	0. 155629	0. 321	0. 282	0. 010605	Neo-G	WDR18
KDM4A. 1	7. 23E-07	0. 174611	0. 148	0. 108	0. 010806	Neo-G	KDM4A
ZNF830. 4	7. 44E-07	0. 110384	0. 231	0. 186	0. 011119	Neo-G	ZNF830



MYLIP. 7	7. 60E-07	-0. 21424	0. 086	0. 134	0. 01135	Neo-G	MYLIP
GUSB. 6	7. 63E-07	-0. 21764	0. 213	0. 279	0. 011399	Neo-G	GUSB
DDX60L. 3	7. 70E-07	-0. 10607	0. 025	0. 059	0. 011504	Neo-G	DDX60L
TSLP. 4	7. 95E-07	-0. 12478	0. 002	0. 022	0. 011874	Neo-G	TSLP
ZDHHC2. 1	7. 96E-07	-0. 10753	0. 031	0. 068	0. 011892	Neo-G	ZDHHC2
RECQL. 4	7. 97E-07	-0. 11953	0. 118	0. 179	0. 011909	Neo-G	RECQL
CHADL. 4	8. 02E-07	-0. 15222	0. 016	0. 045	0. 011991	Neo-G	CHADL
FASTKD2. 2	8. 12E-07	0. 121394	0. 14	0. 1	0. 012136	Neo-G	FASTKD2
MIS12. 4	8. 25E-07	-0. 10326	0. 092	0. 148	0. 012331	Neo-G	MIS12
MAP3K7. 3	8. 28E-07	0. 140397	0. 243	0. 2	0. 012377	Neo-G	MAP3K7
MANEAL	8. 29E-07	0. 131485	0. 064	0. 036	0. 012395	Neo-G	MANEAL
SPG7. 2	8. 32E-07	0. 148692	0. 279	0. 236	0. 01244	Neo-G	SPG7
DSTYK. 4	8. 49E-07	0. 152428	0. 157	0. 116	0. 012684	Neo-G	DSTYK
LINC00869	8. 51E-07	-0. 18943	0	0. 019	0. 012724	Neo-G	LINC00869
UBE2D3. 5	8. 52E-07	-0. 23472	0. 726	0. 728	0. 01273	Neo-G	UBE2D3
C14orf2. 3	8. 52E-07	-0. 21274	0. 658	0. 654	0. 012737	Neo-G	C14orf2
KIAA1614	8. 62E-07	0. 127998	0. 061	0. 035	0. 012878	Neo-G	KIAA1614
CDC26. 2	8. 64E-07	-0. 21269	0. 195	0. 27	0. 012908	Neo-G	CDC26
PIK3CA. 1	8. 73E-07	0. 147153	0. 123	0. 085	0. 013048	Neo-G	PIK3CA
YBEY. 4	8. 86E-07	0. 133001	0. 26	0. 216	0. 013239	Neo-G	YBEY
LRFN1	8. 87E-07	0. 103835	0. 058	0. 032	0. 013256	Neo-G	LRFN1
C21orf91	9. 01E-07	-0. 11332	0. 006	0. 03	0. 013469	Neo-G	C21orf91
RAP1GDS1.	9. 08E-07	0. 136979	0. 214	0. 169	0. 013568	Neo-G	RAP1GDS1
FANCL. 4	9. 08E-07	0. 109022	0. 183	0. 138	0. 013576	Neo-G	FANCL
TPM1. 5	9. 10E-07	-0. 14145	0. 187	0. 26	0. 013602	Neo-G	TPM1
ARAP3. 4	9. 12E-07	0. 17632	0. 093	0. 061	0. 013626	Neo-G	ARAP3
C19orf24.	9. 17E-07	-0. 16313	0. 296	0. 373	0. 013709	Neo-G	C19orf24
ARFIP2. 4	9. 18E-07	0. 117119	0. 284	0. 239	0. 013719	Neo-G	ARFIP2
ZBTB11. 1	9. 33E-07	0. 132233	0. 104	0. 069	0. 013939	Neo-G	ZBTB11
UBAC2. 6	9. 35E-07	-0. 18746	0. 206	0. 279	0. 013966	Neo-G	UBAC2
ORC5. 5	9. 50E-07	0. 112135	0. 135	0. 095	0. 014201	Neo-G	ORC5
ADSL. 3	9. 61E-07	-0. 11568	0. 186	0. 266	0. 014367	Neo-G	ADSL
GCLC. 4	9. 64E-07	-0. 12949	0. 058	0. 102	0. 014408	Neo-G	GCLC
UBXN7. 1	9. 70E-07	0. 152355	0. 152	0. 112	0. 014501	Neo-G	UBXN7
DOCK4. 5	9. 72E-07	-0. 21787	0. 116	0. 167	0. 014519	Neo-G	DOCK4
CD46. 1	9. 75E-07	-0. 16156	0. 173	0. 241	0. 014571	Neo-G	CD46
ASB16-AS1	9. 80E-07	0. 157669	0. 126	0. 088	0. 014638	Neo-G	ASB16-AS1
METTL15. 2	9. 92E-07	-0. 13537	0. 082	0. 133	0. 014828	Neo-G	METTL15
BAIAP2. 2	9. 93E-07	-0. 11076	0. 138	0. 204	0. 014837	Neo-G	BAIAP2
SLC35E3. 6	1. 01E-06	0. 167215	0. 23	0. 182	0. 01505	Neo-G	SLC35E3
CA3. 3	1. 03E-06	-0. 26078	0. 015	0. 043	0. 015418	Neo-G	CA3
ISG20L2. 4	1. 04E-06	0. 111351	0. 269	0. 219	0. 015477	Neo-G	ISG20L2
ANKRD39. 5	1. 04E-06	0. 158129	0. 205	0. 163	0. 015578	Neo-G	ANKRD39
MS4A14. 6	1. 06E-06	-0. 10575	0. 003	0. 024	0. 015834	Neo-G	MS4A14
ZNF879	1. 07E-06	0. 102568	0. 069	0. 041	0. 015937	Neo-G	ZNF879
NFASC. 5	1. 07E-06	-0. 18175	0. 063	0. 108	0. 016007	Neo-G	NFASC
TCF12. 7	1. 07E-06	-0. 12516	0. 214	0. 292	0. 016061	Neo-G	TCF12
HIBCH. 4	1. 09E-06	0. 103862	0. 283	0. 239	0. 016216	Neo-G	HIBCH
MYO7A. 5	1. 09E-06	-0. 1458	0. 01	0. 036	0. 016222	Neo-G	MYO7A
DNAJC17. 2	1. 10E-06	-0. 10053	0. 049	0. 092	0. 01645	Neo-G	DNAJC17
MAP3K3. 5	1. 11E-06	-0. 11986	0. 032	0. 068	0. 016596	Neo-G	MAP3K3

LINC00526	1.	1.1E-06	0.136139	0.111	0.076	0.01665	Neo-G	LINC00526
FNBP4	3	1.13E-06	0.15826	0.288	0.247	0.016895	Neo-G	FNBP4
HOMER1	6	1.13E-06	0.17705	0.192	0.152	0.016955	Neo-G	HOMER1
MIF	4	1.15E-06	-0.15555	0.668	0.671	0.017115	Neo-G	MIF
GHITM	6	1.16E-06	-0.27903	0.464	0.53	0.017265	Neo-G	GHITM
RPPH1	3	1.18E-06	-0.12149	0.009	0.034	0.017579	Neo-G	RPPH1
MAN2B1	5	1.18E-06	-0.10846	0.035	0.071	0.017581	Neo-G	MAN2B1
C5AR2	2	1.18E-06	-0.11932	0	0.018	0.017636	Neo-G	C5AR2
MACF1	4	1.18E-06	0.108041	0.364	0.317	0.017647	Neo-G	MACF1
CAMK2G	1	1.20E-06	0.130443	0.135	0.096	0.017881	Neo-G	CAMK2G
MCL1	6	1.20E-06	-0.21711	0.57	0.602	0.017947	Neo-G	MCL1
KCTD15	2	1.21E-06	0.149416	0.071	0.042	0.018035	Neo-G	KCTD15
CSE1L	6	1.22E-06	0.140735	0.259	0.218	0.018212	Neo-G	CSE1L
SLAMF9	3	1.22E-06	-0.12262	0.002	0.021	0.018255	Neo-G	SLAMF9
MRPS25	2	1.22E-06	-0.16982	0.196	0.272	0.018302	Neo-G	MRPS25
CYB5R1	1	1.23E-06	-0.22568	0.196	0.265	0.01835	Neo-G	CYB5R1
GAS2L3	4	1.24E-06	0.125453	0.098	0.065	0.018564	Neo-G	GAS2L3
CDK19	3	1.27E-06	0.121946	0.164	0.121	0.019049	Neo-G	CDK19
ICK	3	1.28E-06	0.157979	0.117	0.081	0.019097	Neo-G	ICK
CENPE	6	1.28E-06	-0.13771	0.026	0.059	0.019169	Neo-G	CENPE
TMEM86A	5	1.28E-06	-0.14135	0.02	0.05	0.019174	Neo-G	TMEM86A
PPP1R15B	1	1.30E-06	-0.143	0.075	0.123	0.019419	Neo-G	PPP1R15B
TRPC4AP	4	1.31E-06	0.154808	0.285	0.246	0.019561	Neo-G	TRPC4AP
MRO	3	1.31E-06	-0.1162	0.002	0.023	0.019638	Neo-G	MRO
NT5M	1	1.34E-06	0.120845	0.069	0.041	0.020029	Neo-G	NT5M
CCDC18	4	1.39E-06	-0.13109	0.042	0.081	0.020796	Neo-G	CCDC18
UNC13D	6	1.42E-06	-0.12664	0.021	0.052	0.021155	Neo-G	UNC13D
TMEM138	2	1.42E-06	-0.15888	0.12	0.179	0.021187	Neo-G	TMEM138
GSAP	5	1.43E-06	-0.15752	0.045	0.083	0.021302	Neo-G	GSAP
PPIE	3	1.46E-06	-0.15169	0.213	0.292	0.021859	Neo-G	PPIE
GLRX	6	1.47E-06	-0.39735	0.357	0.392	0.021943	Neo-G	GLRX
TMEM181	7	1.48E-06	0.203537	0.196	0.159	0.022097	Neo-G	TMEM181
NPAT	2	1.50E-06	0.105107	0.114	0.077	0.022349	Neo-G	NPAT
SLC35A5	2	1.50E-06	0.152801	0.224	0.182	0.022472	Neo-G	SLC35A5
C17orf75	1	1.51E-06	0.127453	0.128	0.091	0.022496	Neo-G	C17orf75
TMEM39A	3	1.53E-06	-0.13495	0.054	0.096	0.022916	Neo-G	TMEM39A
PIK3CD	4	1.54E-06	-0.10542	0.009	0.033	0.023002	Neo-G	PIK3CD
MBTD1	1	1.54E-06	0.118495	0.084	0.053	0.023012	Neo-G	MBTD1
RIMKLA	2	1.59E-06	0.134994	0.079	0.049	0.02379	Neo-G	RIMKLA
PPP4R1	1	1.64E-06	0.14363	0.147	0.108	0.024486	Neo-G	PPP4R1
CAMTA1	3	1.68E-06	-0.20904	0.382	0.457	0.025147	Neo-G	CAMTA1
KIF20B	4	1.69E-06	-0.1393	0.051	0.092	0.025276	Neo-G	KIF20B
TBCK	3	1.71E-06	0.150865	0.112	0.077	0.025507	Neo-G	TBCK
ETFFA	5	1.72E-06	-0.22145	0.301	0.381	0.025703	Neo-G	ETFFA
FADS3	3	1.72E-06	-0.11416	0.101	0.155	0.025769	Neo-G	FADS3
SCAP	5	1.73E-06	0.163754	0.192	0.153	0.025793	Neo-G	SCAP
TUBGCP2	6	1.74E-06	-0.13892	0.154	0.22	0.026024	Neo-G	TUBGCP2
COG1	4	1.74E-06	0.161925	0.143	0.105	0.026076	Neo-G	COG1
DENND6B	7	1.76E-06	-0.14004	0.063	0.107	0.026246	Neo-G	DENND6B
FBXL3	3	1.77E-06	0.178743	0.213	0.171	0.02644	Neo-G	FBXL3
TRIM8	3	1.78E-06	-0.10055	0.06	0.103	0.02667	Neo-G	TRIM8

LTB. 3	1. 83E-06	-0. 16829	0. 01	0. 035	0. 027417	Neo-G	LTB
HSPB8. 4	1. 84E-06	-0. 14685	0. 015	0. 043	0. 027485	Neo-G	HSPB8
PUS3. 4	1. 85E-06	0. 126537	0. 148	0. 11	0. 027688	Neo-G	PUS3
RTN1. 4	1. 86E-06	-0. 23358	0. 097	0. 149	0. 027753	Neo-G	RTN1
RNF214. 1	1. 86E-06	0. 159799	0. 139	0. 102	0. 027775	Neo-G	RNF214
PHOSPHO2.	1. 87E-06	0. 107019	0. 069	0. 041	0. 027872	Neo-G	PHOSPHO2
AZGP1. 5	1. 90E-06	-0. 18377	0. 027	0. 06	0. 028363	Neo-G	AZGP1
HADHA. 4	1. 92E-06	-0. 18919	0. 368	0. 45	0. 028705	Neo-G	HADHA
FBXO32. 7	1. 95E-06	-0. 18803	0. 107	0. 159	0. 029072	Neo-G	FBXO32
ZNF197. 1	1. 96E-06	0. 104302	0. 096	0. 063	0. 029308	Neo-G	ZNF197
MBD4. 5	2. 01E-06	-0. 21271	0. 204	0. 271	0. 030009	Neo-G	MBD4
IMPACT. 3	2. 02E-06	-0. 1143	0. 111	0. 168	0. 030168	Neo-G	IMPACT
LRRC2. 1	2. 05E-06	-0. 11265	0. 002	0. 021	0. 030706	Neo-G	LRRC2
NKAIN2. 2	2. 06E-06	-0. 10192	0. 001	0. 019	0. 030742	Neo-G	NKAIN2
SMYD3. 4	2. 07E-06	0. 125116	0. 174	0. 134	0. 030891	Neo-G	SMYD3
TGDS. 2	2. 07E-06	-0. 10909	0. 041	0. 079	0. 030948	Neo-G	TGDS
VWA9. 3	2. 09E-06	-0. 12403	0. 083	0. 134	0. 031192	Neo-G	VWA9
THUMPD3. 3	2. 10E-06	-0. 11253	0. 135	0. 201	0. 031391	Neo-G	THUMPD3
ZNF678	2. 11E-06	0. 115224	0. 065	0. 038	0. 031509	Neo-G	ZNF678
TIGD1. 3	2. 11E-06	0. 11578	0. 093	0. 061	0. 031515	Neo-G	TIGD1
ZNF471. 2	2. 12E-06	0. 100479	0. 064	0. 038	0. 031661	Neo-G	ZNF471
ZNF628. 1	2. 14E-06	0. 128896	0. 077	0. 048	0. 031975	Neo-G	ZNF628
CNBP. 3	2. 16E-06	-0. 25765	0. 75	0. 748	0. 032342	Neo-G	CNBP
CPSF3. 1	2. 18E-06	0. 132336	0. 214	0. 171	0. 032547	Neo-G	CPSF3
SDF4. 3	2. 18E-06	-0. 14412	0. 341	0. 411	0. 032648	Neo-G	SDF4
INO80E. 4	2. 21E-06	0. 172211	0. 258	0. 221	0. 033028	Neo-G	INO80E
S100BPB. 1	2. 26E-06	-0. 10993	0. 072	0. 12	0. 033699	Neo-G	S100BPB
TPGS1. 2	2. 27E-06	0. 147444	0. 341	0. 306	0. 033919	Neo-G	TPGS1
RUSC1. 4	2. 27E-06	0. 15099	0. 172	0. 134	0. 03392	Neo-G	RUSC1
DUSP16	2. 30E-06	0. 106585	0. 06	0. 035	0. 034443	Neo-G	DUSP16
MAN2A2. 2	2. 32E-06	-0. 10401	0. 042	0. 08	0. 034696	Neo-G	MAN2A2
AC011043.	2. 34E-06	0. 113853	0. 091	0. 059	0. 034983	Neo-G	AC011043. 1
PTK2. 4	2. 35E-06	0. 144734	0. 214	0. 173	0. 035161	Neo-G	PTK2
LTN1	2. 36E-06	0. 120749	0. 165	0. 125	0. 035338	Neo-G	LTN1
IKZF4. 1	2. 41E-06	0. 136215	0. 072	0. 044	0. 035976	Neo-G	IKZF4
MLXIP. 3	2. 47E-06	0. 10299	0. 224	0. 178	0. 036938	Neo-G	MLXIP
PRKAA2. 6	2. 51E-06	0. 110787	0. 078	0. 049	0. 037467	Neo-G	PRKAA2
ACOT13. 2	2. 55E-06	-0. 17225	0. 159	0. 225	0. 038067	Neo-G	ACOT13
C1orf56. 3	2. 57E-06	-0. 18087	0. 15	0. 208	0. 038446	Neo-G	C1orf56
RFX4. 5	2. 60E-06	-0. 14407	0. 102	0. 156	0. 038846	Neo-G	RFX4
KANSL1-AS	2. 62E-06	-0. 11368	0. 137	0. 2	0. 039123	Neo-G	KANSL1-AS1
EP400. 2	2. 63E-06	0. 152495	0. 15	0. 113	0. 039243	Neo-G	EP400
TFSM. 4	2. 63E-06	0. 117286	0. 318	0. 271	0. 039331	Neo-G	TFSM
RP11-332H	2. 64E-06	0. 200471	0. 159	0. 123	0. 039442	Neo-G	RP11-332H14. 2
APLN. 3	2. 65E-06	-0. 10746	0. 01	0. 035	0. 039546	Neo-G	APLN
TMEM33. 3	2. 65E-06	0. 102252	0. 323	0. 281	0. 039634	Neo-G	TMEM33
CSPP1. 4	2. 66E-06	0. 139631	0. 14	0. 102	0. 039809	Neo-G	CSPP1
PISD. 3	2. 70E-06	-0. 10649	0. 065	0. 11	0. 04033	Neo-G	PISD
BCL9L	2. 76E-06	0. 109261	0. 063	0. 037	0. 041314	Neo-G	BCL9L
EREG. 2	2. 77E-06	-0. 13365	0. 005	0. 027	0. 041398	Neo-G	EREG
PRMT5. 6	2. 80E-06	-0. 14536	0. 103	0. 157	0. 041812	Neo-G	PRMT5

RPUSD4	2.85E-06	0.10749	0.132	0.094	0.04262	Neo-G	RPUSD4
SHROOM2.6	2.90E-06	0.158472	0.086	0.056	0.043385	Neo-G	SHROOM2
DNMT3A.3	2.92E-06	0.126318	0.134	0.096	0.043604	Neo-G	DNMT3A
FA2H.4	2.97E-06	-0.13112	0.007	0.03	0.04435	Neo-G	FA2H
SLC35E2B.2	2.98E-06	0.14676	0.178	0.14	0.044532	Neo-G	SLC35E2B
TRNT1.3	3.02E-06	-0.14089	0.086	0.137	0.045092	Neo-G	TRNT1
C19orf66.3	3.02E-06	-0.14583	0.192	0.264	0.045157	Neo-G	C19orf66
RAD51B.3	3.06E-06	-0.10305	0.011	0.036	0.045787	Neo-G	RAD51B
SYNGR1.4	3.08E-06	-0.12101	0.071	0.116	0.045954	Neo-G	SYNGR1
DND1.3	3.08E-06	0.108049	0.056	0.032	0.045968	Neo-G	DND1
TLL1.4	3.10E-06	0.172823	0.121	0.087	0.046263	Neo-G	TLL1
SELENBP1.3	3.12E-06	-0.11374	0.002	0.021	0.046579	Neo-G	SELENBP1
PTCD3.4	3.12E-06	0.150159	0.263	0.226	0.046592	Neo-G	PTCD3
UBL7.2	3.15E-06	-0.1866	0.173	0.237	0.047099	Neo-G	UBL7
GHDC.3	3.16E-06	-0.13574	0.057	0.098	0.047191	Neo-G	GHDC
TAOK1.4	3.18E-06	0.134653	0.295	0.255	0.047489	Neo-G	TAOK1
CCNT2.2	3.19E-06	0.140379	0.137	0.099	0.047648	Neo-G	CCNT2
FAM210A.2	3.20E-06	-0.11792	0.095	0.147	0.047756	Neo-G	FAM210A
FAM65A.1	3.29E-06	0.114901	0.134	0.096	0.049162	Neo-G	FAM65A
SIK1.6	3.32E-06	-0.19239	0.064	0.105	0.04954	Neo-G	SIK1
DDX23.3	3.33E-06	0.134372	0.194	0.154	0.049834	Neo-G	DDX23
MYADM.5	3.36E-06	-0.20887	0.143	0.199	0.050212	Neo-G	MYADM
PSMA3.5	3.37E-06	-0.26079	0.372	0.449	0.050428	Neo-G	PSMA3
TEX10.2	3.38E-06	0.108312	0.107	0.073	0.050481	Neo-G	TEX10
CTNNB1.6	3.40E-06	-0.19043	0.293	0.362	0.050743	Neo-G	CTNNB1
EIF3B.2	3.40E-06	0.152793	0.279	0.243	0.050823	Neo-G	EIF3B
ATG4B.1	3.42E-06	0.109483	0.313	0.272	0.051172	Neo-G	ATG4B
CD2.5	3.47E-06	-0.17548	0.002	0.021	0.051849	Neo-G	CD2
CAMK1.4	3.57E-06	-0.11389	0.167	0.233	0.053411	Neo-G	CAMK1
TMOD2.4	3.68E-06	0.142736	0.143	0.106	0.05499	Neo-G	TMOD2
PAPD5.3	3.69E-06	0.119687	0.111	0.076	0.055204	Neo-G	PAPD5
SLC35A2.2	3.73E-06	-0.15555	0.117	0.173	0.055678	Neo-G	SLC35A2
S100B.6	3.77E-06	-0.35463	0.511	0.53	0.056362	Neo-G	S100B
USP54.4	3.81E-06	-0.10414	0.021	0.051	0.056958	Neo-G	USP54
TTC17.3	3.84E-06	0.122388	0.255	0.214	0.057449	Neo-G	TTC17
CLPTM1.1	3.86E-06	-0.16725	0.279	0.353	0.057756	Neo-G	CLPTM1
NPTXR.6	3.88E-06	0.240804	0.157	0.123	0.058024	Neo-G	NPTXR
DIMT1.3	3.91E-06	-0.1339	0.132	0.193	0.058445	Neo-G	DIMT1
EIF2B4.4	3.95E-06	0.129554	0.225	0.183	0.05909	Neo-G	EIF2B4
RYBP.3	3.96E-06	0.122849	0.15	0.111	0.059153	Neo-G	RYBP
NCDN.3	3.96E-06	0.128409	0.121	0.086	0.059247	Neo-G	NCDN
RPS6KA2.1	3.98E-06	0.134038	0.146	0.107	0.059491	Neo-G	RPS6KA2
RQCD1.3	4.01E-06	0.133484	0.224	0.183	0.059921	Neo-G	RQCD1
C5orf28.3	4.05E-06	-0.14867	0.078	0.124	0.06052	Neo-G	C5orf28
KCNQ2.6	4.09E-06	0.184547	0.251	0.211	0.061151	Neo-G	KCNQ2
EXOG.6	4.10E-06	0.16426	0.189	0.152	0.061196	Neo-G	EXOG
AC113189.4	4.18E-06	0.13289	0.093	0.062	0.062433	Neo-G	AC113189.5
NT5DC1.3	4.18E-06	-0.1556	0.025	0.055	0.062458	Neo-G	NT5DC1
MAPKAPK5.4	4.23E-06	0.172196	0.216	0.179	0.063156	Neo-G	MAPKAPK5
SCRN3.3	4.36E-06	0.150947	0.133	0.097	0.065201	Neo-G	SCRN3
NET1.5	4.64E-06	-0.10309	0.016	0.043	0.069284	Neo-G	NET1

RPIA.3	4.65E-06	0.12793	0.225	0.183	0.069535	Neo-G	RPIA
ABCA1.4	4.68E-06	-0.13402	0.183	0.246	0.069925	Neo-G	ABCA1
HSPA2.4	4.74E-06	-0.28799	0.086	0.129	0.070844	Neo-G	HSPA2
SFXN4.2	4.81E-06	-0.11444	0.073	0.119	0.071885	Neo-G	SFXN4
TIPARP.4	5.00E-06	-0.16796	0.122	0.174	0.07469	Neo-G	TIPARP
SKIV2L2.4	5.09E-06	0.120382	0.192	0.152	0.076054	Neo-G	SKIV2L2
CBR1.5	5.18E-06	-0.23454	0.422	0.482	0.077407	Neo-G	CBR1
MAN1A2.5	5.19E-06	0.18047	0.235	0.2	0.077633	Neo-G	MAN1A2
IDH3A.1	5.20E-06	-0.10755	0.122	0.18	0.077659	Neo-G	IDH3A
TRMT11.4	5.28E-06	0.114908	0.151	0.113	0.078885	Neo-G	TRMT11
DHRS1.1	5.54E-06	-0.16403	0.108	0.16	0.082828	Neo-G	DHRS1
AATK.4	5.56E-06	-0.16641	0.012	0.036	0.083055	Neo-G	AATK
ZNF345.2	5.57E-06	0.109706	0.078	0.049	0.083285	Neo-G	ZNF345
PTPRCAP.4	5.62E-06	-0.19495	0.007	0.028	0.084048	Neo-G	PTPRCAP
B4GALT2.4	5.67E-06	0.177151	0.104	0.073	0.08474	Neo-G	B4GALT2
MAPKAP1.1	5.68E-06	-0.11052	0.188	0.258	0.084809	Neo-G	MAPKAP1
PET100.3	5.69E-06	-0.23534	0.46	0.532	0.085057	Neo-G	PET100
MAPK6.3	5.73E-06	0.136784	0.207	0.168	0.085638	Neo-G	MAPK6
LINC01116	5.75E-06	0.16726	0.166	0.129	0.085933	Neo-G	LINC01116
GNB5.5	5.90E-06	0.140882	0.141	0.106	0.08818	Neo-G	GNB5
ANAPC7.4	6.03E-06	0.15309	0.204	0.168	0.090077	Neo-G	ANAPC7
C16orf89.	6.05E-06	-0.10225	0.002	0.02	0.090438	Neo-G	C16orf89
KBTBD3.1	6.12E-06	-0.10654	0.067	0.11	0.091396	Neo-G	KBTBD3
GPX7.3	6.16E-06	-0.13624	0.125	0.183	0.092047	Neo-G	GPX7
KIAA1549L	6.17E-06	0.114286	0.06	0.036	0.092275	Neo-G	KIAA1549L
ZNF555	6.19E-06	0.121964	0.064	0.039	0.092576	Neo-G	ZNF555
PHLDA3.4	6.20E-06	-0.10509	0.121	0.177	0.092618	Neo-G	PHLDA3
HIBADH.3	6.22E-06	-0.12165	0.167	0.235	0.093007	Neo-G	HIBADH
PDE4A.4	6.33E-06	-0.10114	0.054	0.093	0.094622	Neo-G	PDE4A
HKR1.6	6.38E-06	0.1497	0.148	0.112	0.095357	Neo-G	HKR1
C11orf57.	6.43E-06	0.14591	0.187	0.15	0.096129	Neo-G	C11orf57
E4F1.2	6.50E-06	0.148408	0.147	0.111	0.097143	Neo-G	E4F1
DAAM2.2	6.51E-06	-0.12732	0.004	0.023	0.097218	Neo-G	DAAM2
RAD23A.3	6.52E-06	-0.21535	0.54	0.57	0.097433	Neo-G	RAD23A
HNRNPLL.3	6.53E-06	0.174994	0.224	0.186	0.097607	Neo-G	HNRNPLL
ZNF16.3	6.55E-06	0.105759	0.094	0.063	0.097881	Neo-G	ZNF16
SOGA1.6	6.56E-06	0.184928	0.187	0.151	0.098072	Neo-G	SOGA1
UCHL5.3	6.60E-06	0.115856	0.185	0.144	0.098634	Neo-G	UCHL5
RRAS2.5	6.64E-06	0.15242	0.106	0.075	0.099178	Neo-G	RRAS2
CLP1.2	6.74E-06	0.110693	0.104	0.071	0.100762	Neo-G	CLP1
CHRNE.5	6.79E-06	-0.10779	0.007	0.028	0.10141	Neo-G	CHRNE
TBC1D7.2	6.91E-06	0.154587	0.196	0.158	0.103299	Neo-G	TBC1D7
GTPBP3.3	6.98E-06	0.147361	0.145	0.109	0.104266	Neo-G	GTPBP3
CTC-524C5	7.00E-06	0.148345	0.149	0.114	0.104644	Neo-G	CTC-524C5.2
SIP1L2.2	7.01E-06	-0.10549	0.08	0.127	0.104823	Neo-G	SIP1L2
FAM76B.2	7.12E-06	0.158206	0.143	0.108	0.106399	Neo-G	FAM76B
C5orf42.5	7.26E-06	0.165664	0.123	0.09	0.108558	Neo-G	C5orf42
LRRC28.2	7.35E-06	-0.1084	0.058	0.098	0.109874	Neo-G	LRRC28
P2RY12.3	7.48E-06	-0.11468	0.003	0.021	0.111853	Neo-G	P2RY12
MARC1.5	7.57E-06	0.160337	0.084	0.056	0.113139	Neo-G	1-Mar
TNRC18.2	7.63E-06	0.11746	0.104	0.071	0.114029	Neo-G	TNRC18

AHI1. 2	7. 70E-06	0. 129029	0. 241	0. 201	0. 115113	Neo-G	AHI1
KCMF1. 3	7. 72E-06	0. 186147	0. 222	0. 187	0. 115438	Neo-G	KCMF1
TFDP2. 2	8. 00E-06	0. 111475	0. 251	0. 208	0. 119561	Neo-G	TFDP2
EPS15L1. 3	8. 12E-06	0. 151826	0. 198	0. 162	0. 121385	Neo-G	EPS15L1
C4orf46. 2	8. 17E-06	0. 114634	0. 104	0. 072	0. 122084	Neo-G	C4orf46
PTPN1. 6	8. 21E-06	-0. 131	0. 174	0. 239	0. 122655	Neo-G	PTPN1
RASSF1. 3	8. 32E-06	0. 118602	0. 196	0. 154	0. 124271	Neo-G	RASSF1
RPF1. 2	8. 32E-06	-0. 15445	0. 185	0. 252	0. 124297	Neo-G	RPF1
GOSR2. 3	8. 33E-06	0. 114963	0. 22	0. 181	0. 124532	Neo-G	GOSR2
SLC27A5. 4	8. 39E-06	-0. 15895	0. 093	0. 141	0. 125408	Neo-G	SLC27A5
SMIM12. 2	8. 53E-06	-0. 12869	0. 232	0. 311	0. 127504	Neo-G	SMIM12
CDADC1. 2	8. 57E-06	0. 114242	0. 138	0. 103	0. 12808	Neo-G	CDADC1
RP4-665J2	8. 59E-06	0. 311247	0. 153	0. 122	0. 128321	Neo-G	RP4-665J23. 1
C2orf68. 1	8. 60E-06	0. 138675	0. 174	0. 136	0. 12853	Neo-G	C2orf68
WDR11. 3	8. 66E-06	-0. 10077	0. 068	0. 111	0. 129377	Neo-G	WDR11
SLC25A39. 8	8. 70E-06	-0. 16677	0. 344	0. 413	0. 129941	Neo-G	SLC25A39
ELMO2. 4	8. 74E-06	0. 15406	0. 159	0. 124	0. 130625	Neo-G	ELMO2
LARP1B. 4	8. 79E-06	0. 140777	0. 152	0. 116	0. 131399	Neo-G	LARP1B
RMDN1. 2	8. 92E-06	-0. 10883	0. 135	0. 194	0. 133275	Neo-G	RMDN1
CPPED1. 7	9. 14E-06	-0. 15456	0. 038	0. 071	0. 136565	Neo-G	CPPED1
CCDC24	9. 18E-06	0. 113897	0. 08	0. 052	0. 137158	Neo-G	CCDC24
ALDH9A1. 2	9. 27E-06	-0. 20454	0. 275	0. 346	0. 138555	Neo-G	ALDH9A1
ATG3. 6	9. 55E-06	-0. 16496	0. 307	0. 385	0. 14269	Neo-G	ATG3
DTX2. 3	9. 69E-06	-0. 10626	0. 034	0. 066	0. 144821	Neo-G	DTX2
ZNF664. 5	9. 70E-06	0. 181047	0. 18	0. 145	0. 145007	Neo-G	ZNF664
HRSP12. 6	1. 00E-05	-0. 13496	0. 145	0. 205	0. 149663	Neo-G	HRSP12
PCDH8. 3	1. 01E-05	0. 127258	0. 071	0. 045	0. 150353	Neo-G	PCDH8
NUP88. 4	1. 01E-05	0. 14414	0. 159	0. 124	0. 150986	Neo-G	NUP88
MDP1. 1	1. 02E-05	-0. 11347	0. 075	0. 119	0. 15208	Neo-G	MDP1
MED9. 3	1. 04E-05	0. 110526	0. 123	0. 089	0. 154826	Neo-G	MED9
AIMP1. 3	1. 04E-05	-0. 19975	0. 302	0. 379	0. 154923	Neo-G	AIMP1
SMCHD1. 4	1. 04E-05	0. 142693	0. 22	0. 183	0. 156063	Neo-G	SMCHD1
NFKBIL1. 3	1. 05E-05	0. 142347	0. 236	0. 2	0. 156919	Neo-G	NFKBIL1
RTKN. 7	1. 06E-05	-0. 11263	0. 121	0. 177	0. 158755	Neo-G	RTKN
CD276. 2	1. 07E-05	-0. 11308	0. 166	0. 229	0. 159959	Neo-G	CD276
AEN. 1	1. 08E-05	-0. 13344	0. 053	0. 09	0. 161841	Neo-G	AEN
MAFG. 4	1. 10E-05	0. 190767	0. 215	0. 181	0. 164121	Neo-G	MAFG
MOSPD2. 2	1. 11E-05	-0. 10464	0. 071	0. 114	0. 1666	Neo-G	MOSPD2
CEP290. 4	1. 12E-05	0. 168692	0. 189	0. 154	0. 167754	Neo-G	CEP290
BRD9. 2	1. 13E-05	0. 14748	0. 226	0. 189	0. 16868	Neo-G	BRD9
ERP44. 5	1. 13E-05	-0. 22502	0. 342	0. 402	0. 168746	Neo-G	ERP44
SLC25A13. 1	1. 17E-05	0. 161889	0. 159	0. 123	0. 175066	Neo-G	SLC25A13
DALRD3. 3	1. 21E-05	0. 146594	0. 197	0. 161	0. 181349	Neo-G	DALRD3
PTRHD1. 3	1. 23E-05	-0. 17255	0. 249	0. 327	0. 184028	Neo-G	PTRHD1
ZNF529. 3	1. 27E-05	0. 107636	0. 085	0. 056	0. 1893	Neo-G	ZNF529
TRIM52. 1	1. 27E-05	0. 13238	0. 104	0. 073	0. 190415	Neo-G	TRIM52
TUBG1. 5	1. 28E-05	0. 129325	0. 265	0. 23	0. 191929	Neo-G	TUBG1
CENPU. 6	1. 31E-05	-0. 13457	0. 069	0. 109	0. 195274	Neo-G	CENPU
AC006129. 1	1. 32E-05	-0. 10554	0	0. 015	0. 197863	Neo-G	AC006129. 2
SETD7. 2	1. 34E-05	-0. 1093	0. 066	0. 108	0. 199871	Neo-G	SETD7
AVIL. 5	1. 34E-05	0. 169494	0. 119	0. 085	0. 200446	Neo-G	AVIL

QSER1. 5	1. 36E-05	0. 161558	0. 148	0. 115	0. 203311	Neo-G	QSER1
MPV17. 1	1. 37E-05	-0. 16672	0. 275	0. 354	0. 205359	Neo-G	MPV17
NUFIP1. 4	1. 37E-05	0. 133202	0. 146	0. 111	0. 205399	Neo-G	NUFIP1
ZNF212. 4	1. 43E-05	0. 100534	0. 095	0. 065	0. 213061	Neo-G	ZNF212
RP11-345J	1. 44E-05	0. 133455	0. 262	0. 231	0. 214462	Neo-G	RP11-345J4. 5
RRP1. 4	1. 44E-05	0. 11964	0. 24	0. 206	0. 214874	Neo-G	RRP1
FAM188A. 4	1. 45E-05	0. 137311	0. 119	0. 087	0. 216679	Neo-G	FAM188A
MARK4. 3	1. 45E-05	0. 150849	0. 099	0. 069	0. 217058	Neo-G	MARK4
FAM19A5. 4	1. 45E-05	0. 109692	0. 071	0. 045	0. 217207	Neo-G	FAM19A5
TOR2A. 5	1. 47E-05	-0. 11067	0. 104	0. 152	0. 219662	Neo-G	TOR2A
SIX1. 5	1. 49E-05	0. 137234	0. 082	0. 054	0. 222735	Neo-G	SIX1
DDX49. 4	1. 50E-05	0. 13943	0. 302	0. 271	0. 224412	Neo-G	DDX49
MTX1. 2	1. 52E-05	-0. 17365	0. 187	0. 253	0. 226809	Neo-G	MTX1
EXTL2. 5	1. 52E-05	0. 162023	0. 197	0. 164	0. 227331	Neo-G	EXTL2
USMG5. 6	1. 52E-05	-0. 21176	0. 589	0. 624	0. 227743	Neo-G	USMG5
ADSS. 3	1. 53E-05	-0. 10878	0. 136	0. 193	0. 228313	Neo-G	ADSS
DHRS7B. 2	1. 54E-05	-0. 11048	0. 134	0. 193	0. 230664	Neo-G	DHRS7B
MARK3. 5	1. 58E-05	0. 137189	0. 314	0. 284	0. 235677	Neo-G	MARK3
ACOX3. 2	1. 59E-05	0. 122017	0. 122	0. 089	0. 238238	Neo-G	ACOX3
SYAP1. 6	1. 61E-05	-0. 19817	0. 323	0. 395	0. 241301	Neo-G	SYAP1
VPS36. 4	1. 63E-05	0. 102737	0. 237	0. 196	0. 242929	Neo-G	VPS36
MARS. 2	1. 66E-05	0. 104651	0. 24	0. 202	0. 247483	Neo-G	MARS
ZNF143	1. 66E-05	0. 126818	0. 109	0. 077	0. 248603	Neo-G	ZNF143
SUMF2. 1	1. 67E-05	-0. 15641	0. 277	0. 351	0. 249318	Neo-G	SUMF2
HHIP. 4	1. 67E-05	-0. 12534	0. 008	0. 028	0. 250068	Neo-G	HHIP
COX5A. 5	1. 67E-05	-0. 15856	0. 575	0. 601	0. 250231	Neo-G	COX5A
HECTD1. 2	1. 68E-05	0. 139972	0. 259	0. 224	0. 251313	Neo-G	HECTD1
RNF157. 6	1. 69E-05	0. 144618	0. 164	0. 13	0. 252438	Neo-G	RNF157
DDI2	1. 69E-05	-0. 10725	0. 032	0. 063	0. 252553	Neo-G	DDI2
SURF2. 5	1. 70E-05	0. 13292	0. 262	0. 228	0. 253938	Neo-G	SURF2
TCOF1. 5	1. 71E-05	-0. 1822	0. 149	0. 201	0. 255277	Neo-G	TCOF1
CLIP1	1. 73E-05	0. 109643	0. 246	0. 21	0. 257872	Neo-G	CLIP1
PRKAB2. 2	1. 75E-05	0. 120036	0. 086	0. 057	0. 261137	Neo-G	PRKAB2
NAV2. 4	1. 80E-05	0. 141989	0. 149	0. 114	0. 268907	Neo-G	NAV2
HAPLN2. 5	1. 84E-05	-0. 13142	0. 013	0. 035	0. 274535	Neo-G	HAPLN2
COPE. 4	1. 85E-05	-0. 18373	0. 819	0. 765	0. 277071	Neo-G	COPE
RALGAPA2.	1. 88E-05	0. 179479	0. 139	0. 107	0. 280277	Neo-G	RALGAPA2
TTC27	1. 88E-05	0. 116935	0. 105	0. 074	0. 280875	Neo-G	TTC27
RP11-14N7	1. 91E-05	0. 125386	0. 235	0. 201	0. 285817	Neo-G	RP11-14N7. 2
BNIP1. 5	1. 92E-05	0. 102998	0. 152	0. 116	0. 28752	Neo-G	BNIP1
EMC8. 3	1. 94E-05	0. 156492	0. 298	0. 269	0. 289548	Neo-G	EMC8
MOB2. 1	1. 95E-05	0. 108897	0. 221	0. 183	0. 291047	Neo-G	MOB2
NME3. 3	2. 02E-05	-0. 17996	0. 358	0. 424	0. 301516	Neo-G	NME3
CDK11A. 2	2. 04E-05	0. 111628	0. 231	0. 192	0. 30507	Neo-G	CDK11A
USP30. 1	2. 04E-05	0. 104693	0. 087	0. 059	0. 305103	Neo-G	USP30
ZDHHC9. 7	2. 06E-05	-0. 15143	0. 121	0. 173	0. 307357	Neo-G	ZDHHC9
EIF4EBP2.	2. 07E-05	-0. 10689	0. 099	0. 146	0. 309983	Neo-G	EIF4EBP2
RP11-1275	2. 08E-05	0. 116741	0. 086	0. 057	0. 310559	Neo-G	RP11-1275H24. 1
POLR3D. 5	2. 09E-05	0. 171885	0. 156	0. 122	0. 312464	Neo-G	POLR3D
RP11-437L	2. 09E-05	-0. 10113	0	0. 014	0. 312868	Neo-G	RP11-437L7. 1
TMEM168. 4	2. 12E-05	0. 112704	0. 142	0. 107	0. 316425	Neo-G	TMEM168

TMEM261.2	2.13E-05	-0.21472	0.297	0.368	0.317612	Neo-G	TMEM261
ADPRHL2.4	2.13E-05	0.11215	0.293	0.257	0.318046	Neo-G	ADPRHL2
SPATA20.4	2.13E-05	-0.11966	0.091	0.136	0.318109	Neo-G	SPATA20
RPRD2.3	2.16E-05	0.121893	0.162	0.126	0.323388	Neo-G	RPRD2
PRKCI.1	2.18E-05	0.165956	0.131	0.1	0.325794	Neo-G	PRKCI
SPATC1L.6	2.20E-05	0.180774	0.221	0.191	0.328228	Neo-G	SPATC1L
HMGCR.4	2.21E-05	0.144648	0.138	0.105	0.330212	Neo-G	HMGCR
SENP5.3	2.24E-05	0.152388	0.168	0.134	0.33448	Neo-G	SENP5
PDIA4.5	2.25E-05	-0.22348	0.403	0.468	0.335589	Neo-G	PDIA4
BRAP.1	2.30E-05	0.127311	0.137	0.103	0.343716	Neo-G	BRAP
HSCB.3	2.31E-05	-0.11067	0.123	0.178	0.345268	Neo-G	HSCB
ZNF25.2	2.33E-05	0.129096	0.104	0.074	0.348092	Neo-G	ZNF25
KEAP1.4	2.33E-05	-0.11302	0.211	0.279	0.348275	Neo-G	KEAP1
CCL20.6	2.37E-05	-0.23383	0.035	0.064	0.354171	Neo-G	CCL20
PRKAR2A.2	2.39E-05	0.126944	0.277	0.245	0.357645	Neo-G	PRKAR2A
UIMC1.1	2.42E-05	0.102541	0.14	0.105	0.362343	Neo-G	UIMC1
FKBPL.3	2.43E-05	0.134739	0.09	0.062	0.363726	Neo-G	FKBPL
Clorf50.3	2.44E-05	0.109495	0.212	0.176	0.364924	Neo-G	Clorf50
AP5Z1.1	2.48E-05	0.137978	0.16	0.125	0.371177	Neo-G	AP5Z1
NUAK1.4	2.49E-05	0.106961	0.098	0.068	0.372228	Neo-G	NUAK1
RP11-294J	2.50E-05	-0.10058	0.093	0.139	0.373817	Neo-G	RP11-294J22.6
FRZB.3	2.50E-05	-0.15722	0.022	0.048	0.374122	Neo-G	FRZB
THAP1.2	2.55E-05	0.11482	0.172	0.137	0.380513	Neo-G	THAP1
KBTBD8.3	2.61E-05	-0.10357	0.011	0.032	0.39039	Neo-G	KBTBD8
WDR41.3	2.63E-05	-0.11317	0.168	0.232	0.392572	Neo-G	WDR41
MAL.6	2.63E-05	-0.2036	0.018	0.042	0.393637	Neo-G	MAL
CSRNP2.2	2.66E-05	0.117752	0.114	0.083	0.397402	Neo-G	CSRNP2
PDHX.4	2.67E-05	0.1382	0.201	0.168	0.399131	Neo-G	PDHX
USP36.6	2.67E-05	-0.14363	0.099	0.143	0.399547	Neo-G	USP36
PARP2.4	2.70E-05	0.122573	0.142	0.107	0.404055	Neo-G	PARP2
EFHD1.4	2.71E-05	-0.15612	0.032	0.061	0.40536	Neo-G	EFHD1
ING1.2	2.72E-05	0.107226	0.168	0.132	0.406233	Neo-G	ING1
COPS2.2	2.75E-05	-0.10486	0.156	0.216	0.410461	Neo-G	COPS2
DNMT1.6	2.77E-05	0.117472	0.315	0.283	0.41373	Neo-G	DNMT1
ZNF35.2	2.78E-05	0.121269	0.082	0.055	0.41474	Neo-G	ZNF35
GLTSCR2.6	2.78E-05	-0.13831	0.513	0.57	0.41521	Neo-G	GLTSCR2
PRDM4.3	2.79E-05	0.148749	0.112	0.082	0.416289	Neo-G	PRDM4
ATP6V1E2.2	2.80E-05	0.118026	0.085	0.057	0.418872	Neo-G	ATP6V1E2
ZNF670	2.81E-05	0.10334	0.07	0.045	0.42048	Neo-G	ZNF670
YY1.5	2.83E-05	0.103135	0.368	0.337	0.422639	Neo-G	YY1
LYPLAL1.1	2.85E-05	-0.15073	0.181	0.244	0.425311	Neo-G	LYPLAL1
RBX1.6	2.91E-05	-0.20439	0.648	0.667	0.434487	Neo-G	RBX1
ZNF649.5	2.93E-05	0.159184	0.116	0.086	0.437229	Neo-G	ZNF649
TUBA1C.5	2.97E-05	-0.24497	0.326	0.386	0.443455	Neo-G	TUBA1C
PPM1N.2	2.97E-05	-0.13827	0.017	0.041	0.443759	Neo-G	PPM1N
PRPS1.4	2.98E-05	-0.18333	0.144	0.195	0.445454	Neo-G	PRPS1
TPD52.5	2.98E-05	-0.15905	0.181	0.243	0.445873	Neo-G	TPD52
SNAPC5.2	3.02E-05	-0.13351	0.158	0.218	0.451116	Neo-G	SNAPC5
C12orf75.3	3.07E-05	-0.14596	0.146	0.199	0.459103	Neo-G	C12orf75
CDIP1.2	3.08E-05	0.132774	0.218	0.183	0.459931	Neo-G	CDIP1
TSC22D3.5	3.13E-05	-0.32233	0.443	0.458	0.468124	Neo-G	TSC22D3



BANP. 2	3. 17E-05	0. 102314	0. 108	0. 077	0. 4741	Neo-G	BANP
NLGN2. 5	3. 19E-05	0. 170195	0. 119	0. 089	0. 476315	Neo-G	NLGN2
PTPRG. 4	3. 26E-05	0. 122003	0. 098	0. 069	0. 487843	Neo-G	PTPRG
PEX5L. 3	3. 28E-05	-0. 11721	0. 006	0. 024	0. 489986	Neo-G	PEX5L
MBTPS1. 1	3. 30E-05	0. 121913	0. 205	0. 169	0. 493051	Neo-G	MBTPS1
DXO. 2	3. 34E-05	0. 123304	0. 152	0. 118	0. 499181	Neo-G	DXO
SOWAHC. 3	3. 35E-05	0. 10886	0. 093	0. 064	0. 500941	Neo-G	SOWAHC
TYW1. 1	3. 36E-05	0. 127861	0. 149	0. 115	0. 502501	Neo-G	TYW1
KLHL8. 2	3. 38E-05	0. 143974	0. 163	0. 129	0. 505184	Neo-G	KLHL8
GNPDA1. 2	3. 39E-05	-0. 14621	0. 184	0. 246	0. 506507	Neo-G	GNPDA1
RER1. 5	3. 39E-05	-0. 1883	0. 453	0. 502	0. 506614	Neo-G	RER1
WDR70. 1	3. 41E-05	0. 112382	0. 183	0. 146	0. 50975	Neo-G	WDR70
RFX5. 4	3. 42E-05	-0. 10072	0. 069	0. 109	0. 510636	Neo-G	RFX5
NPAS1	3. 43E-05	0. 149603	0. 056	0. 034	0. 512471	Neo-G	NPAS1
ERGIC3. 4	3. 43E-05	-0. 22384	0. 565	0. 577	0. 512888	Neo-G	ERGIC3
PLS3. 6	3. 45E-05	0. 174592	0. 244	0. 218	0. 516044	Neo-G	PLS3
RGAG4. 4	3. 45E-05	0. 142834	0. 086	0. 059	0. 516312	Neo-G	RGAG4
ITGB1BP1. 3	3. 51E-05	-0. 1788	0. 317	0. 395	0. 524708	Neo-G	ITGB1BP1
RBM14. 4	3. 61E-05	0. 134997	0. 223	0. 188	0. 540112	Neo-G	RBM14
NDUFA2. 2	3. 64E-05	-0. 22294	0. 581	0. 606	0. 544506	Neo-G	NDUFA2
TTI1. 3	3. 68E-05	0. 142083	0. 124	0. 094	0. 550441	Neo-G	TTI1
CDC42SE2. 3	3. 70E-05	-0. 15151	0. 168	0. 225	0. 552392	Neo-G	CDC42SE2
LINC00339	3. 70E-05	-0. 11966	0. 035	0. 065	0. 552456	Neo-G	LINC00339
TPTEP1. 2	3. 72E-05	-0. 11524	0. 012	0. 033	0. 555805	Neo-G	TPTEP1
SNHG15. 3	3. 79E-05	-0. 17197	0. 171	0. 228	0. 565976	Neo-G	SNHG15
C18orf8. 3	3. 82E-05	0. 110614	0. 144	0. 11	0. 571028	Neo-G	C18orf8
PPM1L. 2	3. 85E-05	0. 105108	0. 069	0. 045	0. 575809	Neo-G	PPM1L
PPP1R35. 7	3. 87E-05	0. 19263	0. 185	0. 154	0. 578298	Neo-G	PPP1R35
TIMMDC1. 3	3. 89E-05	-0. 19885	0. 321	0. 395	0. 581358	Neo-G	TIMMDC1
RP11-796E	3. 91E-05	-0. 1519	0. 038	0. 069	0. 58484	Neo-G	RP11-796E2. 4
NES. 7	4. 01E-05	-0. 23137	0. 249	0. 279	0. 599685	Neo-G	NES
SLC1A2. 5	4. 04E-05	-0. 12171	0. 096	0. 14	0. 603881	Neo-G	SLC1A2
LCK. 3	4. 07E-05	-0. 11749	0. 002	0. 016	0. 608805	Neo-G	LCK
ZNF318. 1	4. 13E-05	0. 128185	0. 082	0. 056	0. 617206	Neo-G	ZNF318
NUBP1. 5	4. 13E-05	-0. 1648	0. 167	0. 224	0. 617261	Neo-G	NUBP1
N6AMT2. 4	4. 15E-05	0. 14629	0. 161	0. 129	0. 620354	Neo-G	N6AMT2
SLC2A1. 5	4. 22E-05	-0. 13336	0. 098	0. 142	0. 630532	Neo-G	SLC2A1
RALB. 5	4. 23E-05	-0. 11666	0. 114	0. 162	0. 631959	Neo-G	RALB
KIAA1456. 4	4. 27E-05	0. 113145	0. 069	0. 045	0. 638306	Neo-G	KIAA1456
ELP5. 3	4. 28E-05	0. 10981	0. 294	0. 264	0. 638874	Neo-G	ELP5
GSTP1. 4	4. 30E-05	-0. 22097	0. 866	0. 816	0. 642992	Neo-G	GSTP1
PHACTR4. 3	4. 31E-05	0. 125895	0. 233	0. 198	0. 64464	Neo-G	PHACTR4
FBXW5. 5	4. 37E-05	-0. 102	0. 226	0. 296	0. 652433	Neo-G	FBXW5
CLHC1. 3	4. 44E-05	0. 124727	0. 093	0. 065	0. 663935	Neo-G	CLHC1
TOR1AIP1. 4	4. 50E-05	-0. 11238	0. 135	0. 188	0. 672079	Neo-G	TOR1AIP1
RETN. 5	4. 70E-05	-0. 10302	0. 005	0. 021	0. 702165	Neo-G	RETN
HSPBP1. 3	4. 71E-05	0. 102605	0. 315	0. 284	0. 703216	Neo-G	HSPBP1
TMIGD2. 3	4. 71E-05	-0. 12741	0. 005	0. 021	0. 703265	Neo-G	TMIGD2
TMEM39B. 1	4. 85E-05	0. 104596	0. 158	0. 124	0. 724743	Neo-G	TMEM39B
RAD54L2. 4	4. 85E-05	0. 139837	0. 135	0. 103	0. 724892	Neo-G	RAD54L2
TCEB3. 3	4. 87E-05	0. 140851	0. 205	0. 173	0. 728349	Neo-G	TCEB3

RCE1. 2	4. 96E-05	0. 123792	0. 159	0. 125	0. 741117	Neo-G	RCE1
CTC-479C5	5. 03E-05	-0. 11759	0. 027	0. 054	0. 752061	Neo-G	CTC-479C5. 12
WDR83. 4	5. 18E-05	0. 145607	0. 2	0. 167	0. 774148	Neo-G	WDR83
FAM193B. 2	5. 20E-05	0. 116656	0. 083	0. 057	0. 777094	Neo-G	FAM193B
PPIH. 2	5. 21E-05	-0. 17779	0. 177	0. 234	0. 778954	Neo-G	PPIH
FAM174A. 3	5. 25E-05	0. 150493	0. 25	0. 219	0. 784153	Neo-G	FAM174A
NCBP2-AS2	5. 28E-05	0. 156151	0. 299	0. 274	0. 788725	Neo-G	NCBP2-AS2
GGCT. 6	5. 28E-05	-0. 26197	0. 329	0. 393	0. 789068	Neo-G	GGCT
CYB561A3. 5	5. 36E-05	-0. 12668	0. 11	0. 155	0. 80028	Neo-G	CYB561A3
RABGAP1. 5	5. 40E-05	0. 147738	0. 152	0. 121	0. 80712	Neo-G	RABGAP1
MICU2. 3	5. 41E-05	0. 124924	0. 264	0. 231	0. 8081	Neo-G	MICU2
WDR91. 4	5. 53E-05	-0. 13315	0. 056	0. 09	0. 826018	Neo-G	WDR91
SPHK2. 5	5. 63E-05	0. 144287	0. 157	0. 125	0. 841848	Neo-G	SPHK2
GFM2. 2	5. 66E-05	0. 109653	0. 115	0. 085	0. 846251	Neo-G	GFM2
ZFHX2	5. 69E-05	0. 110096	0. 049	0. 029	0. 84958	Neo-G	ZFHX2
TANK	5. 86E-05	-0. 16395	0. 269	0. 338	0. 876066	Neo-G	TANK
GSK3A. 5	5. 88E-05	0. 166022	0. 216	0. 187	0. 878889	Neo-G	GSK3A
PPP2R4. 2	5. 90E-05	-0. 10534	0. 181	0. 243	0. 881658	Neo-G	PPP2R4
ANKRD6. 1	5. 95E-05	0. 102377	0. 069	0. 045	0. 888679	Neo-G	ANKRD6
ST8SIA4. 7	5. 98E-05	-0. 1946	0. 086	0. 123	0. 893694	Neo-G	ST8SIA4
TANC2. 3	6. 00E-05	0. 141776	0. 218	0. 185	0. 897381	Neo-G	TANC2
SLC52A2. 3	6. 02E-05	0. 147954	0. 302	0. 277	0. 900174	Neo-G	SLC52A2
RMND1. 2	6. 03E-05	0. 128505	0. 128	0. 098	0. 90149	Neo-G	RMND1
PLXNC1. 7	6. 13E-05	-0. 12137	0. 04	0. 069	0. 916739	Neo-G	PLXNC1
FAM173A. 3	6. 16E-05	0. 135359	0. 312	0. 284	0. 920924	Neo-G	FAM173A
RNF34. 4	6. 18E-05	0. 123088	0. 223	0. 192	0. 923004	Neo-G	RNF34
ARID2. 2	6. 21E-05	0. 140055	0. 13	0. 099	0. 927897	Neo-G	ARID2
NUP54. 3	6. 22E-05	0. 109234	0. 209	0. 174	0. 929114	Neo-G	NUP54
VAMP7. 3	6. 22E-05	-0. 11406	0. 122	0. 171	0. 9292	Neo-G	VAMP7
RP11-538F	6. 28E-05	0. 113423	0. 109	0. 08	0. 938944	Neo-G	RP11-538P18. 2
ZC3HC1. 4	6. 46E-05	0. 132245	0. 152	0. 121	0. 966005	Neo-G	ZC3HC1
ITM2C. 7	6. 53E-05	-0. 26623	0. 374	0. 422	0. 975957	Neo-G	ITM2C
CALB1. 1	6. 55E-05	-0. 10273	0. 002	0. 015	0. 978593	Neo-G	CALB1
SERTAD3	6. 58E-05	-0. 16736	0. 13	0. 179	0. 982851	Neo-G	SERTAD3
NAA60. 2	6. 61E-05	-0. 12218	0. 001	0. 014	0. 988284	Neo-G	NAA60
GTF2H2. 5	6. 62E-05	0. 107483	0. 212	0. 181	0. 989338	Neo-G	GTF2H2
ERP29. 4	6. 74E-05	-0. 24814	0. 579	0. 615	1	Neo-G	ERP29
C5orf15. 1	6. 76E-05	-0. 1656	0. 262	0. 331	1	Neo-G	C5orf15
BIN1. 5	6. 77E-05	-0. 2636	0. 337	0. 364	1	Neo-G	BIN1
SMC6. 4	6. 78E-05	0. 142993	0. 185	0. 153	1	Neo-G	SMC6
NCKAP1. 5	6. 85E-05	0. 193604	0. 211	0. 186	1	Neo-G	NCKAP1
CMBL. 5	6. 91E-05	0. 139401	0. 154	0. 123	1	Neo-G	CMBL
PID1. 4	6. 92E-05	0. 123003	0. 146	0. 113	1	Neo-G	PID1
IBSP. 5	6. 95E-05	-0. 16268	0. 008	0. 026	1	Neo-G	IBSP
DDX42. 4	7. 03E-05	0. 13662	0. 244	0. 215	1	Neo-G	DDX42
ZDHHC22. 5	7. 15E-05	0. 115965	0. 064	0. 041	1	Neo-G	ZDHHC22
C1orf43. 1	7. 16E-05	-0. 20516	0. 563	0. 601	1	Neo-G	C1orf43
ZNF776. 4	7. 16E-05	0. 129863	0. 082	0. 056	1	Neo-G	ZNF776
IFIT5. 3	7. 19E-05	0. 105951	0. 11	0. 08	1	Neo-G	IFIT5
BAP1. 2	7. 22E-05	0. 13661	0. 167	0. 136	1	Neo-G	BAP1
APOA1BP. 2	7. 29E-05	-0. 13869	0. 308	0. 383	1	Neo-G	APOA1BP

CD3E. 3	7. 30E-05	-0. 16395	0. 004	0. 019	1 Neo-G	CD3E
C2orf44	7. 40E-05	0. 108536	0. 057	0. 036	1 Neo-G	C2orf44
DNAJC4. 4	7. 51E-05	-0. 11867	0. 178	0. 234	1 Neo-G	DNAJC4
CRY1. 3	7. 59E-05	0. 107931	0. 165	0. 133	1 Neo-G	CRY1
SIRT6. 2	7. 87E-05	0. 125878	0. 223	0. 192	1 Neo-G	SIRT6
FGF20. 3	8. 01E-05	-0. 10229	0. 004	0. 019	1 Neo-G	FGF20
FAM104B. 3	8. 01E-05	-0. 11675	0. 142	0. 197	1 Neo-G	FAM104B
RBFA. 1	8. 08E-05	0. 130231	0. 196	0. 164	1 Neo-G	RBFA
PLK3. 6	8. 21E-05	-0. 20018	0. 2	0. 246	1 Neo-G	PLK3
CBR4. 6	8. 30E-05	0. 144712	0. 216	0. 185	1 Neo-G	CBR4
CEND1. 5	8. 31E-05	0. 118551	0. 167	0. 135	1 Neo-G	CEND1
GOLIM4. 4	8. 32E-05	-0. 13233	0. 27	0. 333	1 Neo-G	GOLIM4
LRRC69. 2	8. 35E-05	-0. 20272	0. 014	0. 035	1 Neo-G	LRRC69
PRIM1. 5	8. 51E-05	0. 111099	0. 108	0. 078	1 Neo-G	PRIM1
POMGNT2. 5	8. 52E-05	0. 143666	0. 168	0. 137	1 Neo-G	POMGNT2
FAM193A. 1	8. 62E-05	0. 147608	0. 108	0. 079	1 Neo-G	FAM193A
PRKCG. 3	8. 82E-05	-0. 14517	0. 005	0. 022	1 Neo-G	PRKCG
GFM1. 2	8. 93E-05	0. 122699	0. 215	0. 183	1 Neo-G	GFM1
FOXK1. 3	8. 94E-05	0. 122368	0. 156	0. 123	1 Neo-G	FOXK1
ZNF330. 2	8. 99E-05	-0. 19332	0. 17	0. 221	1 Neo-G	ZNF330
RNPEP. 7	9. 01E-05	-0. 12445	0. 176	0. 23	1 Neo-G	RNPEP
ANKRD13A. 9	9. 38E-05	0. 112705	0. 124	0. 093	1 Neo-G	ANKRD13A
ERBB3. 5	9. 68E-05	-0. 11074	0. 018	0. 04	1 Neo-G	ERBB3
PALLD. 4	9. 72E-05	0. 13164	0. 226	0. 195	1 Neo-G	PALLD
BID. 6	9. 73E-05	-0. 13483	0. 291	0. 365	1 Neo-G	BID
PDK1. 2	9. 74E-05	0. 126546	0. 111	0. 081	1 Neo-G	PDK1
AAR2. 2	9. 79E-05	0. 115668	0. 165	0. 133	1 Neo-G	AAR2
COPS7A. 1	9. 90E-05	-0. 10891	0. 215	0. 284	1 Neo-G	COPS7A
C12orf54	0. 000101	-0. 10138	0	0. 012	1 Neo-G	C12orf54
METTL23. 2	0. 000102	-0. 13749	0. 261	0. 326	1 Neo-G	METTL23
AGO1. 3	0. 000105	0. 127711	0. 115	0. 086	1 Neo-G	AGO1
HIC2	0. 000105	0. 127993	0. 059	0. 038	1 Neo-G	HIC2
RP11-390E	0. 000111	0. 102413	0. 153	0. 121	1 Neo-G	RP11-390E23. 6
AC159540. 0	0. 000112	0. 117339	0. 109	0. 081	1 Neo-G	AC159540. 1
BRMS1L. 3	0. 000113	0. 148099	0. 123	0. 094	1 Neo-G	BRMS1L
TF. 7	0. 000115	-0. 35811	0. 048	0. 076	1 Neo-G	TF
PHF13. 1	0. 000117	0. 138816	0. 087	0. 062	1 Neo-G	PHF13
PIP4K2C. 4	0. 00012	0. 160344	0. 137	0. 106	1 Neo-G	PIP4K2C
RPP30. 3	0. 000121	-0. 16822	0. 128	0. 173	1 Neo-G	RPP30
DHRS4. 4	0. 000125	-0. 13231	0. 053	0. 085	1 Neo-G	DHRS4
BGN. 6	0. 000125	-0. 19552	0. 04	0. 068	1 Neo-G	BGN
ADAM23. 3	0. 000126	0. 137819	0. 069	0. 047	1 Neo-G	ADAM23
OPALIN. 3	0. 000131	-0. 17326	0. 002	0. 014	1 Neo-G	OPALIN
KLHL22. 3	0. 000131	0. 114814	0. 113	0. 085	1 Neo-G	KLHL22
KMT2E-AS1	0. 000131	-0. 11154	0. 058	0. 091	1 Neo-G	KMT2E-AS1
CCS. 2	0. 000132	-0. 14901	0. 206	0. 266	1 Neo-G	CCS
BIRC6. 2	0. 000134	0. 118058	0. 212	0. 18	1 Neo-G	BIRC6
UBE2E1. 3	0. 000135	-0. 20775	0. 394	0. 458	1 Neo-G	UBE2E1
FNIP1. 1	0. 000135	-0. 104	0. 071	0. 108	1 Neo-G	FNIP1
SOS1. 1	0. 000136	0. 120416	0. 108	0. 081	1 Neo-G	SOS1
CARM1	0. 000138	0. 146042	0. 102	0. 076	1 Neo-G	CARM1

TMLHE	0.000138	-0.12562	0.049	0.079	1 Neo-G	TMLHE
PREB.3	0.00014	0.108914	0.238	0.206	1 Neo-G	PREB
UGP2.2	0.00014	-0.22289	0.411	0.467	1 Neo-G	UGP2
PICK1.3	0.00014	0.104732	0.115	0.085	1 Neo-G	PICK1
DUSP28.2	0.00014	0.123602	0.112	0.084	1 Neo-G	DUSP28
C8orf82.5	0.000143	0.173004	0.196	0.168	1 Neo-G	C8orf82
TXNDC15.1	0.000143	-0.17179	0.237	0.3	1 Neo-G	TXNDC15
CDK5RAP1.	0.000144	0.12861	0.185	0.155	1 Neo-G	CDK5RAP1
RCC2.5	0.000147	-0.11724	0.133	0.18	1 Neo-G	RCC2
AFMID.3	0.000147	-0.11893	0.073	0.109	1 Neo-G	AFMID
PNPLA4.4	0.00015	-0.15547	0.038	0.066	1 Neo-G	PNPLA4
ETV3.7	0.000152	-0.10905	0.049	0.08	1 Neo-G	ETV3
NSA2.4	0.000154	-0.14712	0.334	0.406	1 Neo-G	NSA2
TDRD3.3	0.000157	0.133462	0.117	0.089	1 Neo-G	TDRD3
CELF2.7	0.000162	-0.20942	0.332	0.389	1 Neo-G	CELF2
NCOA5.2	0.000163	0.1324	0.106	0.079	1 Neo-G	NCOA5
QDPR.5	0.000167	-0.23283	0.301	0.367	1 Neo-G	QDPR
SLC8A1.6	0.000169	-0.12285	0.108	0.149	1 Neo-G	SLC8A1
CRLF3.5	0.000172	-0.1048	0.08	0.117	1 Neo-G	CRLF3
HSD17B14.	0.000172	-0.14334	0.063	0.096	1 Neo-G	HSD17B14
MFI2-AS1.	0.000172	0.164775	0.097	0.072	1 Neo-G	MFI2-AS1
KIAA1429.	0.000174	0.131909	0.135	0.106	1 Neo-G	KIAA1429
TRIM3	0.000177	0.10046	0.071	0.048	1 Neo-G	TRIM3
STX6.5	0.000177	0.118304	0.228	0.193	1 Neo-G	STX6
ADAT1.1	0.000178	0.14445	0.133	0.104	1 Neo-G	ADAT1
SF3B3.3	0.000178	0.107803	0.218	0.186	1 Neo-G	SF3B3
HN1L.5	0.00018	0.156372	0.178	0.149	1 Neo-G	HN1L
RNF168.4	0.000187	0.11024	0.178	0.145	1 Neo-G	RNF168
SOX12.6	0.000189	0.184623	0.139	0.113	1 Neo-G	SOX12
PGD.5	0.000191	-0.1479	0.239	0.3	1 Neo-G	PGD
ADIPOR2.2	0.000192	-0.13869	0.112	0.155	1 Neo-G	ADIPOR2
TIMM50.2	0.000193	-0.15161	0.252	0.318	1 Neo-G	TIMM50
CD3D.4	0.000196	-0.19084	0.005	0.02	1 Neo-G	CD3D
WBSCR16.4	0.000197	0.130661	0.171	0.142	1 Neo-G	WBSCR16
CNP.5	0.000199	-0.2947	0.329	0.383	1 Neo-G	CNP
ZNF652.3	0.000203	0.105514	0.172	0.141	1 Neo-G	ZNF652
UBQLN4.2	0.000203	0.14687	0.127	0.099	1 Neo-G	UBQLN4
SNX2.7	0.000203	-0.21844	0.363	0.416	1 Neo-G	SNX2
CLEC11A.6	0.000205	0.178755	0.256	0.229	1 Neo-G	CLEC11A
ZNF625.3	0.00021	0.116563	0.069	0.047	1 Neo-G	ZNF625
SCAF11.4	0.000214	-0.15564	0.332	0.404	1 Neo-G	SCAF11
HAT1.2	0.000214	-0.16861	0.244	0.303	1 Neo-G	HAT1
GBA2.2	0.000216	0.102455	0.11	0.083	1 Neo-G	GBA2
PPP3R1.3	0.000217	0.136863	0.139	0.11	1 Neo-G	PPP3R1
GPALPP1.3	0.000218	0.137253	0.145	0.117	1 Neo-G	GPALPP1
POGK.3	0.00022	0.127361	0.156	0.126	1 Neo-G	POGK
ROMO1.4	0.000221	-0.19536	0.592	0.595	1 Neo-G	ROMO1
ZFYVE16.3	0.000229	-0.10764	0.131	0.177	1 Neo-G	ZFYVE16
SESN1.5	0.000248	-0.15818	0.073	0.105	1 Neo-G	SESN1
DECR1.3	0.00025	-0.17937	0.342	0.42	1 Neo-G	DECR1
PINX1.1	0.000258	0.114039	0.124	0.096	1 Neo-G	PINX1

DHX38.2	0.000263	0.128889	0.141	0.112	1 Neo-G	DHX38
WDR13.2	0.000263	-0.11788	0.229	0.292	1 Neo-G	WDR13
SRF	0.000264	0.131636	0.101	0.076	1 Neo-G	SRF
SMYD2.1	0.000266	0.120443	0.167	0.138	1 Neo-G	SMYD2
GNLY.2	0.000267	-0.16762	0.013	0.032	1 Neo-G	GNLY
EIF3M.5	0.000272	-0.22848	0.478	0.532	1 Neo-G	EIF3M
THEM6.3	0.000276	0.132431	0.106	0.08	1 Neo-G	THEM6
SDCCAG8.4	0.000277	-0.1896	0.275	0.336	1 Neo-G	SDCCAG8
IFT88.4	0.000278	0.101442	0.134	0.105	1 Neo-G	IFT88
HIST1H2BC	0.000285	-0.10395	0.008	0.024	1 Neo-G	HIST1H2BC
OAZ1.3	0.000292	-0.19247	0.962	0.922	1 Neo-G	OAZ1
PDCD10.3	0.000293	-0.1376	0.226	0.29	1 Neo-G	PDCD10
EGLN1.2	0.000298	0.120765	0.214	0.184	1 Neo-G	EGLN1
GZMA.4	0.000301	-0.15286	0.003	0.016	1 Neo-G	GZMA
ZNF528.5	0.000302	0.135015	0.132	0.105	1 Neo-G	ZNF528
YIF1B.2	0.000302	-0.15099	0.276	0.34	1 Neo-G	YIF1B
ZNF629.2	0.000305	0.12721	0.09	0.066	1 Neo-G	ZNF629
GTF3C5.4	0.000305	0.112222	0.212	0.183	1 Neo-G	GTF3C5
CDK12.1	0.000311	0.123285	0.192	0.162	1 Neo-G	CDK12
EXT2.4	0.000311	0.150208	0.195	0.168	1 Neo-G	EXT2
KPNA4.3	0.000313	0.14107	0.204	0.177	1 Neo-G	KPNA4
TSR3.4	0.000314	0.140811	0.294	0.274	1 Neo-G	TSR3
ZNF44.3	0.000318	0.111581	0.129	0.101	1 Neo-G	ZNF44
ZC3H7A.4	0.000322	0.122807	0.175	0.146	1 Neo-G	ZC3H7A
ATMIN.6	0.000324	0.158329	0.138	0.112	1 Neo-G	ATMIN
PKD1.4	0.000324	0.139039	0.142	0.115	1 Neo-G	PKD1
MMP2.4	0.000325	-0.13245	0.184	0.232	1 Neo-G	MMP2
FABP3.3	0.000334	-0.13929	0.028	0.051	1 Neo-G	FABP3
TNIP1.3	0.000336	-0.10647	0.164	0.214	1 Neo-G	TNIP1
MORC3.2	0.000336	0.104336	0.128	0.1	1 Neo-G	MORC3
NELFA.4	0.000344	0.124283	0.165	0.137	1 Neo-G	NELFA
SELM.5	0.000344	-0.18377	0.152	0.193	1 Neo-G	SELM
NACA.3	0.00035	-0.18576	0.965	0.92	1 Neo-G	NACA
AC074289.	0.000363	-0.14255	0.038	0.064	1 Neo-G	AC074289.1
DDRKG1.2	0.000366	-0.13109	0.357	0.425	1 Neo-G	DDRKG1
TADA1	0.000371	0.113612	0.077	0.055	1 Neo-G	TADA1
SNX13	0.000379	-0.12496	0.128	0.171	1 Neo-G	SNX13
TBRG4.4	0.000392	0.103376	0.262	0.235	1 Neo-G	TBRG4
QSOX1.6	0.000392	-0.10464	0.189	0.242	1 Neo-G	QSOX1
SMPDL3A.5	0.000392	-0.1328	0.093	0.129	1 Neo-G	SMPDL3A
GOS2.6	0.000396	-0.43113	0.162	0.187	1 Neo-G	GOS2
LINC00665	0.000399	0.105929	0.21	0.183	1 Neo-G	LINC00665
DHX33.4	0.0004	0.130832	0.145	0.118	1 Neo-G	DHX33
SRPRB.3	0.000404	-0.11279	0.203	0.262	1 Neo-G	SRPRB
PRUNE2.5	0.000411	-0.16602	0.086	0.121	1 Neo-G	PRUNE2
RP11-191L	0.000414	0.100938	0.036	0.021	1 Neo-G	RP11-191L17.1
SMC2.5	0.000415	-0.10075	0.158	0.205	1 Neo-G	SMC2
RP11-110G	0.000416	0.109304	0.057	0.037	1 Neo-G	RP11-110G21.1
BCCIP.2	0.000418	-0.12656	0.142	0.189	1 Neo-G	BCCIP
OCIAD2.6	0.00042	-0.29081	0.474	0.377	1 Neo-G	OCIAD2
SLC43A3.2	0.000426	-0.14221	0.104	0.141	1 Neo-G	SLC43A3

TMEM126B.	0.000428	-0.14279	0.251	0.316	1 Neo-G	TMEM126B
TRAFD1.2	0.00043	0.111515	0.156	0.127	1 Neo-G	TRAFD1
SLC4A8.2	0.000431	0.108158	0.096	0.071	1 Neo-G	SLC4A8
CLN3.2	0.000444	-0.1189	0.001	0.011	1 Neo-G	CLN3
COA4.2	0.00046	-0.19307	0.329	0.393	1 Neo-G	COA4
SLC25A46.	0.000461	0.117664	0.178	0.15	1 Neo-G	SLC25A46
LEMD3.1	0.000461	0.106119	0.082	0.06	1 Neo-G	LEMD3
MESP1.4	0.000467	0.191108	0.152	0.129	1 Neo-G	MESP1
ZDHHC15.5	0.000467	0.130949	0.08	0.058	1 Neo-G	ZDHHC15
SUGP1.3	0.000469	0.126644	0.16	0.133	1 Neo-G	SUGP1
PAXBP1.5	0.000472	0.163954	0.181	0.157	1 Neo-G	PAXBP1
SSH2.5	0.000481	-0.13475	0.138	0.181	1 Neo-G	SSH2
CTD-2017D	0.000493	0.121409	0.077	0.055	1 Neo-G	CTD-2017D11.1
SEMA3A.1	0.000499	0.116661	0.068	0.047	1 Neo-G	SEMA3A
TNPO2.5	0.000502	0.121083	0.203	0.176	1 Neo-G	TNPO2
MAP4K5.5	0.000508	0.144444	0.179	0.152	1 Neo-G	MAP4K5
ZNF746.1	0.000531	0.110392	0.088	0.065	1 Neo-G	ZNF746
LRCH4.7	0.000532	-0.13125	0.152	0.193	1 Neo-G	LRCH4
ST6GAL1.5	0.000545	-0.15786	0.082	0.114	1 Neo-G	ST6GAL1
LDLRAD4.6	0.000546	-0.20417	0.116	0.149	1 Neo-G	LDLRAD4
MITD1.2	0.000555	-0.11717	0.186	0.24	1 Neo-G	MITD1
RBM33.1	0.000556	0.109985	0.174	0.146	1 Neo-G	RBM33
NANOS3.5	0.000558	0.14907	0.082	0.06	1 Neo-G	NANOS3
ZNF654.1	0.000561	0.106718	0.073	0.052	1 Neo-G	ZNF654
RBBP5.1	0.000569	0.104304	0.152	0.124	1 Neo-G	RBBP5
CDC37.2	0.000578	-0.19242	0.505	0.548	1 Neo-G	CDC37
ATG4D.3	0.000593	0.169289	0.181	0.158	1 Neo-G	ATG4D
ABHD10.1	0.000593	0.100289	0.097	0.073	1 Neo-G	ABHD10
JUNB.4	0.000596	-0.13367	0.773	0.718	1 Neo-G	JUNB
TPD52L2.4	0.000613	-0.10842	0.267	0.331	1 Neo-G	TPD52L2
FADS2.4	0.000639	0.145452	0.159	0.134	1 Neo-G	FADS2
NARFL.2	0.000651	0.118784	0.168	0.142	1 Neo-G	NARFL
GIT2.5	0.000655	-0.10322	0.117	0.157	1 Neo-G	GIT2
XPO7	0.000666	0.130681	0.12	0.095	1 Neo-G	XPO7
SOX9.6	0.00067	-0.15512	0.243	0.275	1 Neo-G	SOX9
TRIM11.2	0.000683	0.1154	0.12	0.094	1 Neo-G	TRIM11
CCDC43.3	0.000686	0.114398	0.22	0.196	1 Neo-G	CCDC43
CHD8	0.000687	0.100735	0.129	0.103	1 Neo-G	CHD8
ELL.4	0.000689	-0.10188	0.072	0.103	1 Neo-G	ELL
AC093323.	0.000704	0.126071	0.117	0.093	1 Neo-G	AC093323.3
ANTXR2.1	0.00071	0.108084	0.075	0.053	1 Neo-G	ANTXR2
AUP1.5	0.000712	-0.19397	0.474	0.528	1 Neo-G	AUP1
TUG1.5	0.000721	0.132355	0.198	0.173	1 Neo-G	TUG1
UBR5	0.000731	0.124361	0.156	0.13	1 Neo-G	UBR5
MSRB1.3	0.000745	-0.10999	0.173	0.226	1 Neo-G	MSRB1
GAS8.3	0.000759	0.144925	0.088	0.066	1 Neo-G	GAS8
RMND5A.3	0.00077	0.123207	0.147	0.12	1 Neo-G	RMND5A
SPNS1.4	0.000781	0.104228	0.309	0.288	1 Neo-G	SPNS1
ZNF500.2	0.000784	0.10616	0.089	0.066	1 Neo-G	ZNF500
FASTKD5.2	0.000785	0.118731	0.133	0.107	1 Neo-G	FASTKD5
PACS2.2	0.000801	-0.10133	0.102	0.139	1 Neo-G	PACS2

SLX4IP.1	0.000806	0.102777	0.076	0.055	1 Neo-G	SLX4IP
ZNF444.5	0.000809	0.150522	0.182	0.157	1 Neo-G	ZNF444
PGRMC2.4	0.000815	0.112759	0.248	0.223	1 Neo-G	PGRMC2
FAM212A.5	0.000829	-0.14365	0.03	0.051	1 Neo-G	FAM212A
NUDCD2.4	0.000837	-0.17318	0.345	0.407	1 Neo-G	NUDCD2
C16orf52.0	0.000837	0.164831	0.116	0.094	1 Neo-G	C16orf52
BET1.4	0.000838	-0.15169	0.178	0.226	1 Neo-G	BET1
PRNP.4	0.000842	-0.20036	0.419	0.471	1 Neo-G	PRNP
RNF180.6	0.000891	0.153003	0.189	0.165	1 Neo-G	RNF180
SLC30A5.3	0.000894	0.135519	0.224	0.202	1 Neo-G	SLC30A5
RRP7A.6	0.000896	-0.16555	0.24	0.293	1 Neo-G	RRP7A
MCAT.5	0.000909	0.18155	0.149	0.126	1 Neo-G	MCAT
CNKSR2.5	0.00093	0.129486	0.08	0.059	1 Neo-G	CNKSR2
HDAC6.1	0.000938	0.12069	0.136	0.111	1 Neo-G	HDAC6
CLTC.4	0.000954	-0.10355	0.291	0.356	1 Neo-G	CLTC
FGFR10P2.0	0.000956	-0.17776	0.267	0.324	1 Neo-G	FGFR10P2
SLC10A4.6	0.000961	0.201525	0.115	0.094	1 Neo-G	SLC10A4
MUS81.3	0.000974	0.144188	0.194	0.171	1 Neo-G	MUS81
URI1.4	0.000981	0.153693	0.238	0.219	1 Neo-G	URI1
CNOT6.2	0.000982	0.125083	0.093	0.071	1 Neo-G	CNOT6
ZC3H18.4	0.001012	0.146355	0.178	0.154	1 Neo-G	ZC3H18
ANAPC2.1	0.001014	0.124844	0.155	0.129	1 Neo-G	ANAPC2
EHBP1.5	0.00102	0.137698	0.189	0.164	1 Neo-G	EHBP1
DVL2.5	0.001026	0.153578	0.196	0.174	1 Neo-G	DVL2
NDUFV2.5	0.001054	-0.24669	0.57	0.594	1 Neo-G	NDUFV2
CHMP2B.3	0.001056	-0.14337	0.256	0.313	1 Neo-G	CHMP2B
NEU4.4	0.001064	-0.12661	0.042	0.066	1 Neo-G	NEU4
MFSD6.4	0.00108	0.118763	0.083	0.062	1 Neo-G	MFSD6
TOM1L2.4	0.001104	0.13182	0.141	0.117	1 Neo-G	TOM1L2
PHC2.5	0.001109	-0.1275	0.228	0.283	1 Neo-G	PHC2
FBXO44.5	0.001118	0.140482	0.163	0.139	1 Neo-G	FBXO44
EIF5AL1.3	0.001136	-0.11409	0.091	0.124	1 Neo-G	EIF5AL1
SMIM20.1	0.001146	-0.17393	0.289	0.346	1 Neo-G	SMIM20
EPB41L4A.0	0.001166	0.109509	0.057	0.039	1 Neo-G	EPB41L4A
TRAPPC3.1	0.001171	-0.21437	0.386	0.444	1 Neo-G	TRAPPC3
DYRK1B.2	0.001171	0.141668	0.085	0.064	1 Neo-G	DYRK1B
DBF4.5	0.001206	-0.10056	0.091	0.125	1 Neo-G	DBF4
TMEM8B.3	0.001235	0.112667	0.081	0.06	1 Neo-G	TMEM8B
VPS37A.1	0.001246	0.101772	0.227	0.203	1 Neo-G	VPS37A
IQCB1.1	0.001255	0.122964	0.144	0.119	1 Neo-G	IQCB1
NAF1.4	0.001255	-0.10943	0.082	0.113	1 Neo-G	NAF1
ZBTB22.1	0.001278	0.126788	0.104	0.082	1 Neo-G	ZBTB22
GGT7.5	0.001279	0.153962	0.184	0.163	1 Neo-G	GGT7
TEX261.3	0.001283	0.113689	0.188	0.163	1 Neo-G	TEX261
TCHP.3	0.001285	0.133601	0.132	0.109	1 Neo-G	TCHP
RPF2.3	0.001348	-0.12947	0.182	0.232	1 Neo-G	RPF2
TMEM87A.2	0.001352	-0.12575	0.225	0.279	1 Neo-G	TMEM87A
SMURF2.2	0.001373	0.122005	0.148	0.123	1 Neo-G	SMURF2
IMPDH1.5	0.001391	0.101499	0.181	0.154	1 Neo-G	IMPDH1
COG6.1	0.001416	0.10203	0.115	0.092	1 Neo-G	COG6
LYRM4.0	0.001428	-0.10764	0.212	0.267	1 Neo-G	LYRM4

NCOA7.3	0.001463	-0.12656	0.088	0.118	1 Neo-G	NCOA7
TRAPPC6B	0.001518	0.112573	0.156	0.132	1 Neo-G	TRAPPC6B
ZBTB80S.3	0.001524	-0.14223	0.244	0.3	1 Neo-G	ZBTB80S
PRDX4.6	0.001534	-0.23264	0.517	0.55	1 Neo-G	PRDX4
NR2C1.2	0.001582	0.104984	0.118	0.095	1 Neo-G	NR2C1
OSGEP.3	0.001639	-0.14126	0.164	0.207	1 Neo-G	OSGEP
ZZZ3.2	0.001639	0.124828	0.13	0.107	1 Neo-G	ZZZ3
PHKG2.4	0.0017	-0.14085	0.123	0.158	1 Neo-G	PHKG2
CCDC92.4	0.00171	0.142842	0.122	0.099	1 Neo-G	CCDC92
PNPT1.4	0.00176	0.111264	0.217	0.194	1 Neo-G	PNPT1
HYAL2.7	0.001857	0.133333	0.241	0.221	1 Neo-G	HYAL2
MAT2A.4	0.001864	-0.12955	0.334	0.39	1 Neo-G	MAT2A
ZCCHC3.6	0.001949	0.172127	0.124	0.104	1 Neo-G	ZCCHC3
KIAA1109.0	0.001958	0.111499	0.141	0.117	1 Neo-G	KIAA1109
TMEM237.4	0.00197	0.119259	0.207	0.184	1 Neo-G	TMEM237
FBRSL1.2	0.002129	0.132904	0.071	0.053	1 Neo-G	FBRSL1
LRRFIP2.3	0.002166	0.125222	0.206	0.185	1 Neo-G	LRRFIP2
TSPAN17.2	0.00217	0.134559	0.167	0.146	1 Neo-G	TSPAN17
LSG1.4	0.002181	0.116156	0.148	0.125	1 Neo-G	LSG1
TRAK1.2	0.0022	0.100541	0.117	0.094	1 Neo-G	TRAK1
OSR1.3	0.002212	-0.11843	0.004	0.014	1 Neo-G	OSR1
CDK17.4	0.002277	0.114741	0.137	0.114	1 Neo-G	CDK17
MINPP1.1	0.002312	0.113318	0.127	0.104	1 Neo-G	MINPP1
PGP.4	0.002327	0.134259	0.236	0.217	1 Neo-G	PGP
ZBTB17.2	0.002348	0.129565	0.131	0.109	1 Neo-G	ZBTB17
CGREF1.1	0.002366	0.109001	0.056	0.039	1 Neo-G	CGREF1
ABHD8.3	0.002402	0.124137	0.165	0.142	1 Neo-G	ABHD8
CSRP2BP.2	0.002406	0.127037	0.094	0.074	1 Neo-G	CSRP2BP
C17orf97.0	0.002469	0.121932	0.073	0.055	1 Neo-G	C17orf97
FMN2.5	0.002477	0.104421	0.086	0.067	1 Neo-G	FMN2
BAG5.5	0.002533	0.115241	0.203	0.183	1 Neo-G	BAG5
GIT1.3	0.002559	0.131869	0.124	0.103	1 Neo-G	GIT1
TMEM50B.4	0.002571	-0.14192	0.253	0.309	1 Neo-G	TMEM50B
CREBBP.1	0.002601	0.119245	0.171	0.149	1 Neo-G	CREBBP
CDK9.3	0.002622	0.116163	0.162	0.138	1 Neo-G	CDK9
CEP57L1.5	0.002637	0.112493	0.13	0.108	1 Neo-G	CEP57L1
H3F3A.2	0.002688	-0.13619	0.681	0.755	1 Neo-G	H3F3A
MED28.3	0.002785	-0.1864	0.291	0.345	1 Neo-G	MED28
MEN1.2	0.002878	0.137304	0.135	0.114	1 Neo-G	MEN1
ANKLE2.1	0.00295	0.110849	0.199	0.177	1 Neo-G	ANKLE2
ANAPC10.1	0.002977	-0.10708	0.141	0.181	1 Neo-G	ANAPC10
DUS3L.2	0.003015	0.129508	0.163	0.141	1 Neo-G	DUS3L
SAR1A.6	0.003121	-0.15713	0.256	0.303	1 Neo-G	SAR1A
RNMTL1.4	0.003136	0.11841	0.148	0.127	1 Neo-G	RNMTL1
DAPK3.4	0.003166	0.120612	0.253	0.237	1 Neo-G	DAPK3
PLP1.6	0.003261	-0.53615	0.147	0.174	1 Neo-G	PLP1
SHARPIN.3	0.003318	0.107888	0.316	0.3	1 Neo-G	SHARPIN
TP53INP2.0	0.003447	0.109954	0.114	0.092	1 Neo-G	TP53INP2
DTYMK.6	0.003496	-0.11978	0.284	0.335	1 Neo-G	DTYMK
BRF1.3	0.003511	0.115239	0.122	0.101	1 Neo-G	BRF1
CXorf23.2	0.003625	0.109786	0.076	0.058	1 Neo-G	CXorf23



OMG. 5	0.003658	-0.14181	0.059	0.082	1 Neo-G	OMG
RP11-1143	0.00367	-0.18189	0.035	0.054	1 Neo-G	RP11-1143G9. 4
AGAP2-AS1	0.003732	0.201131	0.114	0.093	1 Neo-G	AGAP2-AS1
PAPOLA. 2	0.003857	-0.16369	0.434	0.49	1 Neo-G	PAPOLA
CDK16. 3	0.0041	0.108073	0.249	0.233	1 Neo-G	CDK16
OTUD6B. 4	0.004126	0.143464	0.137	0.117	1 Neo-G	OTUD6B
ZMYM4. 3	0.004191	0.126401	0.143	0.123	1 Neo-G	ZMYM4
ATF1. 2	0.004214	-0.10923	0.115	0.147	1 Neo-G	ATF1
LEPROT. 1	0.004336	-0.1795	0.344	0.396	1 Neo-G	LEPROT
HILPDA. 6	0.004348	-0.18744	0.261	0.223	1 Neo-G	HILPDA
R3HDM1. 3	0.004468	0.137935	0.144	0.125	1 Neo-G	R3HDM1
RAB35. 4	0.004614	0.109401	0.185	0.163	1 Neo-G	RAB35
SDHAF1. 5	0.004729	0.151762	0.192	0.175	1 Neo-G	SDHAF1
ZNF43. 5	0.004779	0.131321	0.155	0.135	1 Neo-G	ZNF43
LONRF1. 4	0.004824	0.144027	0.115	0.096	1 Neo-G	LONRF1
ZNF260. 4	0.004939	0.130151	0.116	0.097	1 Neo-G	ZNF260
CRADD. 3	0.00499	0.106364	0.123	0.103	1 Neo-G	CRADD
CKAP5. 7	0.005197	0.109171	0.174	0.154	1 Neo-G	CKAP5
NAA30. 3	0.00523	0.120554	0.104	0.084	1 Neo-G	NAA30
ECI2. 4	0.005238	-0.16301	0.285	0.328	1 Neo-G	ECI2
LAMTOR2. 5	0.005255	-0.21315	0.579	0.588	1 Neo-G	LAMTOR2
BYSL. 3	0.005491	0.109757	0.125	0.105	1 Neo-G	BYSL
MAX. 3	0.00555	-0.14056	0.252	0.299	1 Neo-G	MAX
SLC24A2. 5	0.005593	-0.10877	0.019	0.033	1 Neo-G	SLC24A2
AMOTL1. 3	0.00563	0.106937	0.082	0.064	1 Neo-G	AMOTL1
FLOT1. 7	0.005728	-0.15787	0.481	0.505	1 Neo-G	FLOT1
SLC18B1. 5	0.005771	-0.14108	0.148	0.182	1 Neo-G	SLC18B1
HADH. 2	0.00583	-0.11705	0.17	0.212	1 Neo-G	HADH
UBE20. 5	0.005939	0.163564	0.133	0.115	1 Neo-G	UBE20
FARP1. 2	0.005962	0.103811	0.202	0.184	1 Neo-G	FARP1
FBXO17. 7	0.006061	0.134217	0.16	0.142	1 Neo-G	FBXO17
NOC4L. 3	0.006143	0.116917	0.174	0.154	1 Neo-G	NOC4L
SPCS1. 2	0.006231	-0.22709	0.76	0.734	1 Neo-G	SPCS1
LPGAT1. 4	0.006364	0.100978	0.146	0.126	1 Neo-G	LPGAT1
VPS26A. 6	0.006491	-0.17737	0.212	0.246	1 Neo-G	VPS26A
CTD-2020K	0.006559	-0.12	0.013	0.026	1 Neo-G	CTD-2020K17. 1
ZNF174. 5	0.006788	0.107594	0.086	0.068	1 Neo-G	ZNF174
TTYH3. 5	0.007017	0.102988	0.262	0.245	1 Neo-G	TTYH3
ACTR2. 7	0.007044	-0.14159	0.419	0.464	1 Neo-G	ACTR2
RBM27. 4	0.007047	0.127665	0.237	0.225	1 Neo-G	RBM27
SLC43A2. 6	0.007292	-0.13973	0.214	0.249	1 Neo-G	SLC43A2
TNIK. 5	0.007625	0.140396	0.159	0.142	1 Neo-G	TNIK
UBR3	0.007656	0.105457	0.098	0.08	1 Neo-G	UBR3
POLR2E. 5	0.007872	-0.18398	0.504	0.539	1 Neo-G	POLR2E
POMT1. 5	0.008021	0.108905	0.154	0.135	1 Neo-G	POMT1
PRSS23. 5	0.008057	-0.11759	0.059	0.08	1 Neo-G	PRSS23
CYB5B. 4	0.008193	-0.1457	0.291	0.343	1 Neo-G	CYB5B
ATF5. 5	0.008209	-0.14241	0.165	0.197	1 Neo-G	ATF5
RP11-119E	0.008214	0.129257	0.075	0.058	1 Neo-G	RP11-119B16. 2
LRFN3	0.008263	0.104794	0.05	0.036	1 Neo-G	LRFN3
GOLT1B. 4	0.008275	-0.12331	0.201	0.242	1 Neo-G	GOLT1B

FNBP1.4	0.008431	-0.11122	0.225	0.268	1 Neo-G	FNBP1
BEND6.6	0.008592	0.150913	0.133	0.117	1 Neo-G	BEND6
METAP1D.5	0.008672	0.121692	0.141	0.122	1 Neo-G	METAP1D
TXN2.3	0.009029	-0.11965	0.38	0.44	1 Neo-G	TXN2
MTIF3.3	0.009099	-0.17843	0.302	0.351	1 Neo-G	MTIF3
DCLRE1C.3	0.009317	0.10038	0.147	0.128	1 Neo-G	DCLRE1C
TRMT6.2	0.009429	0.105904	0.192	0.176	1 Neo-G	TRMT6
PIAS4.3	0.009493	0.127173	0.147	0.129	1 Neo-G	PIAS4
UBFD1.2	0.009571	0.126382	0.119	0.102	1 Neo-G	UBFD1
RP11-412E	0.009652	0.104246	0.054	0.04	1 Neo-G	RP11-412D9.4
DCAF16.3	0.009788	0.117023	0.135	0.117	1 Neo-G	DCAF16
IRF2BP1.6	0.00988	0.126045	0.121	0.104	1 Neo-G	IRF2BP1
TRAPPC1.3	0.009905	-0.21106	0.606	0.616	1 Neo-G	TRAPPC1
TOPBP1.5	0.009991	0.119678	0.108	0.091	1 Neo-G	TOPBP1
AIF1.8	0	1.262294	0.933	0.364	0 monocyte	AIF1
C1QC.8	0	1.25091	0.994	0.457	0 monocyte	C1QC
TYROBP.8	0	1.236088	0.978	0.414	0 monocyte	TYROBP
FCER1G.8	0	1.224659	0.945	0.397	0 monocyte	FCER1G
C1QA.8	0	1.209766	0.991	0.497	0 monocyte	C1QA
C1QB.8	0	1.178539	0.996	0.532	0 monocyte	C1QB
APOC1.7	#####	1.166415	0.949	0.477	##### monocyte	APOC1
VSIG4.8	#####	1.257125	0.864	0.321	##### monocyte	VSIG4
MS4A6A.8	#####	1.237191	0.837	0.297	##### monocyte	MS4A6A
HLA-DMB.7	#####	1.198676	0.807	0.277	##### monocyte	HLA-DMB
TREM2.8	#####	1.181671	0.843	0.307	##### monocyte	TREM2
LAPTM5.8	#####	1.130432	0.921	0.393	##### monocyte	LAPTM5
GPR34.8	#####	1.190031	0.734	0.225	##### monocyte	GPR34
HLA-DPB1.	#####	1.093098	0.934	0.455	##### monocyte	HLA-DPB1
FCGR3A.8	#####	1.183056	0.807	0.3	##### monocyte	FCGR3A
HLA-DRB1.	#####	1.019266	0.973	0.494	##### monocyte	HLA-DRB1
HLA-DPA1.	#####	1.02102	0.965	0.495	##### monocyte	HLA-DPA1
SRGN.8	#####	1.09124	0.955	0.458	##### monocyte	SRGN
CD14.8	#####	1.138657	0.857	0.368	##### monocyte	CD14
CD53.8	#####	1.10113	0.767	0.275	##### monocyte	CD53
CD68.8	#####	1.097938	0.857	0.404	##### monocyte	CD68
HLA-DMA.8	#####	1.070912	0.85	0.369	##### monocyte	HLA-DMA
LY86.8	#####	1.053347	0.737	0.253	##### monocyte	LY86
RGS10.8	#####	1.0765	0.779	0.303	##### monocyte	RGS10
ALOX5AP.8	#####	1.062944	0.833	0.361	##### monocyte	ALOX5AP
ADORA3.8	#####	1.00852	0.668	0.225	##### monocyte	ADORA3
LILRB4.8	#####	1.084855	0.659	0.219	##### monocyte	LILRB4
FCGR1A.8	#####	1.062454	0.672	0.222	##### monocyte	FCGR1A
HLA-DQB1.	#####	1.031857	0.746	0.288	##### monocyte	HLA-DQB1
ARHGDIB.8	#####	0.971838	0.805	0.333	##### monocyte	ARHGDIB
CTSS.8	#####	1.03624	0.765	0.317	##### monocyte	CTSS
HLA-DRA.7	#####	0.858526	0.986	0.602	##### monocyte	HLA-DRA
VAMP8.8	#####	1.04638	0.766	0.306	##### monocyte	VAMP8
LST1.8	#####	1.016445	0.725	0.276	##### monocyte	LST1
CSF1R.8	#####	1.009061	0.669	0.232	##### monocyte	CSF1R
MS4A4A.8	#####	1.133506	0.694	0.25	##### monocyte	MS4A4A
RGS1.8	#####	1.046924	0.855	0.41	##### monocyte	RGS1

NPC2. 7	#####	0. 849952	0. 958	0. 668	#####	monocyte	NPC2
SLCO2B1. 7	#####	0. 986197	0. 589	0. 188	#####	monocyte	SLCO2B1
CYBA. 8	#####	0. 894721	0. 791	0. 37	#####	monocyte	CYBA
CD74. 7	#####	0. 784207	0. 999	0. 729	#####	monocyte	CD74
CD37. 8	#####	0. 97872	0. 701	0. 265	#####	monocyte	CD37
GIMAP4. 8	#####	1. 04898	0. 468	0. 121	#####	monocyte	GIMAP4
ITGB2. 8	#####	0. 969537	0. 72	0. 289	#####	monocyte	ITGB2
RNASE6. 8	#####	0. 965932	0. 657	0. 241	#####	monocyte	RNASE6
HLA-DQA1.	#####	0. 989965	0. 698	0. 271	#####	monocyte	HLA-DQA1
FOLR2. 8	#####	1. 264312	0. 502	0. 149	#####	monocyte	FOLR2
PTN. 7	#####	-1. 37361	0. 173	0. 656	#####	monocyte	PTN
MS4A7. 8	#####	0. 99028	0. 724	0. 297	#####	monocyte	MS4A7
GPX1. 8	#####	0. 705607	0. 945	0. 802	#####	monocyte	GPX1
ABI3. 8	#####	0. 950931	0. 521	0. 16	#####	monocyte	ABI3
C10orf54.	#####	0. 940104	0. 659	0. 255	#####	monocyte	C10orf54
HCLS1. 8	#####	0. 956535	0. 667	0. 257	#####	monocyte	HCLS1
CTSC. 8	#####	0. 991797	0. 742	0. 352	#####	monocyte	CTSC
RNASET2. 8	#####	0. 861222	0. 794	0. 455	#####	monocyte	RNASET2
TUBA1A. 7	#####	-0. 82766	0. 505	0. 834	#####	monocyte	TUBA1A
CTSB. 5	#####	0. 74917	0. 934	0. 741	#####	monocyte	CTSB
C1orf162.	#####	0. 957483	0. 708	0. 288	#####	monocyte	C1orf162
CPVL. 8	#####	1. 030586	0. 696	0. 318	#####	monocyte	CPVL
NGFRAP1. 7	#####	-1. 02085	0. 212	0. 683	#####	monocyte	NGFRAP1
HLA-DRB5.	#####	1. 004527	0. 778	0. 366	#####	monocyte	HLA-DRB5
MAP1B. 7	#####	-1. 29555	0. 09	0. 573	#####	monocyte	MAP1B
PSAP. 5	#####	0. 674053	0. 931	0. 809	#####	monocyte	PSAP
C3AR1. 8	#####	0. 979371	0. 587	0. 207	#####	monocyte	C3AR1
GPM6B. 8	#####	-1. 20457	0. 194	0. 656	#####	monocyte	GPM6B
SPI1. 8	#####	0. 859863	0. 575	0. 209	#####	monocyte	SPI1
FCGRT. 7	#####	0. 883229	0. 832	0. 525	#####	monocyte	FCGRT
NOVA1. 8	#####	-1. 4217	0. 053	0. 517	#####	monocyte	NOVA1
IGSF6. 8	#####	0. 904478	0. 441	0. 128	#####	monocyte	IGSF6
TUBB2B. 7	#####	-1. 32768	0. 17	0. 589	#####	monocyte	TUBB2B
HLA-E. 8	#####	0. 821591	0. 855	0. 573	#####	monocyte	HLA-E
APOC2. 7	#####	1. 062797	0. 492	0. 162	#####	monocyte	APOC2
SAT1. 6	#####	0. 687331	0. 966	0. 788	#####	monocyte	SAT1
FCGR2A. 8	#####	0. 853249	0. 643	0. 258	#####	monocyte	FCGR2A
FCGR1B. 7	#####	0. 949615	0. 455	0. 137	#####	monocyte	FCGR1B
ARPC1B. 8	#####	0. 870067	0. 797	0. 507	#####	monocyte	ARPC1B
GRN. 8	#####	0. 860123	0. 787	0. 551	#####	monocyte	GRN
HAVCR2. 8	#####	0. 906846	0. 557	0. 203	#####	monocyte	HAVCR2
CYBB. 8	#####	0. 839586	0. 495	0. 165	#####	monocyte	CYBB
OLFML3. 7	#####	1. 011117	0. 528	0. 2	#####	monocyte	OLFML3
HAMP. 8	#####	1. 05596	0. 435	0. 136	#####	monocyte	HAMP
ADAP2. 8	#####	0. 815405	0. 472	0. 158	#####	monocyte	ADAP2
CSF2RA. 7	#####	0. 902152	0. 508	0. 175	#####	monocyte	CSF2RA
MARCKSL1.	#####	-1. 19966	0. 188	0. 576	#####	monocyte	MARCKSL1
TMEM176B.	#####	1. 01211	0. 666	0. 324	#####	monocyte	TMEM176B
LGALS9. 8	#####	0. 901424	0. 549	0. 213	#####	monocyte	LGALS9
PLD4. 8	#####	0. 870743	0. 414	0. 13	#####	monocyte	PLD4
C3. 7	#####	0. 754849	0. 736	0. 372	#####	monocyte	C3

S100A11.8	#####	0.645851	0.915	0.634	#####	monocyte	S100A11
MNDA.8	#####	0.819779	0.456	0.152	#####	monocyte	MNDA
PRDX2.8	#####	-0.74513	0.338	0.733	#####	monocyte	PRDX2
TSC22D1.7	#####	-1.05353	0.141	0.545	#####	monocyte	TSC22D1
UCP2.8	#####	0.960786	0.565	0.246	#####	monocyte	UCP2
PYCARD.8	#####	0.824459	0.597	0.257	#####	monocyte	PYCARD
CAPG.8	#####	0.854282	0.707	0.389	#####	monocyte	CAPG
UCHL1.6	#####	-1.14566	0.055	0.47	#####	monocyte	UCHL1
RBP1.6	#####	-1.19364	0.09	0.493	#####	monocyte	RBP1
SCIN.8	#####	0.986454	0.402	0.128	#####	monocyte	SCIN
CD163.8	#####	0.908826	0.592	0.248	#####	monocyte	CD163
C1orf61.7	#####	-1.09746	0.178	0.567	#####	monocyte	C1orf61
MDK.7	#####	-1.09905	0.118	0.524	#####	monocyte	MDK
LAIR1.8	#####	0.871268	0.528	0.204	#####	monocyte	LAIR1
SERPINF1.	#####	0.894739	0.51	0.199	#####	monocyte	SERPINF1
ENTPD1.8	#####	0.768646	0.427	0.139	#####	monocyte	ENTPD1
GMFG.8	#####	0.803159	0.627	0.269	#####	monocyte	GMFG
TBXAS1.8	#####	0.849352	0.546	0.214	#####	monocyte	TBXAS1
CALD1.7	#####	-0.98722	0.039	0.453	#####	monocyte	CALD1
FEZ1.7	#####	-1.01486	0.053	0.463	#####	monocyte	FEZ1
IL18.8	#####	0.876462	0.475	0.168	#####	monocyte	IL18
GPM6A.7	#####	-0.91721	0.121	0.538	#####	monocyte	GPM6A
MSR1.8	#####	0.868534	0.453	0.156	#####	monocyte	MSR1
SIGLEC8.5	#####	0.719684	0.27	0.06	#####	monocyte	SIGLEC8
AXL.7	#####	0.912585	0.446	0.157	#####	monocyte	AXL
CD86.8	#####	0.853657	0.506	0.187	#####	monocyte	CD86
LPAR5.6	#####	0.757948	0.319	0.084	#####	monocyte	LPAR5
FAM105A.8	#####	0.79053	0.421	0.139	#####	monocyte	FAM105A
LAT2.8	#####	0.830942	0.483	0.178	#####	monocyte	LAT2
CTSH.8	#####	0.819061	0.597	0.269	#####	monocyte	CTSH
SOX2.8	#####	-1.1151	0.074	0.461	#####	monocyte	SOX2
CORO1A.8	#####	0.830181	0.673	0.346	#####	monocyte	CORO1A
PFN2.7	#####	-0.97219	0.07	0.466	#####	monocyte	PFN2
CNN3.7	#####	-1.03944	0.116	0.499	#####	monocyte	CNN3
FPR1.8	#####	0.927092	0.587	0.258	#####	monocyte	FPR1
P2RY13.6	#####	0.808237	0.278	0.067	#####	monocyte	P2RY13
ADAMDEC1.	#####	0.538144	0.169	0.025	#####	monocyte	ADAMDEC1
PTAFR.8	#####	0.724968	0.355	0.105	#####	monocyte	PTAFR
HCST.8	#####	0.818656	0.59	0.257	#####	monocyte	HCST
FXYD6.8	#####	-1.03854	0.111	0.492	#####	monocyte	FXYD6
SLC7A7.8	#####	0.802134	0.433	0.151	#####	monocyte	SLC7A7
RP11-552D4.1	#####	0.892687	0.337	0.1	#####	monocyte	RP11-552D4.1
PCSK1N.7	#####	-1.09001	0.077	0.451	#####	monocyte	PCSK1N
MLLT11.6	#####	-0.99763	0.095	0.486	#####	monocyte	MLLT11
GAP43.8	#####	-1.18959	0.12	0.497	#####	monocyte	GAP43
TNFAIP8L2	#####	0.705191	0.295	0.077	#####	monocyte	TNFAIP8L2
PLXDC2.8	#####	0.748301	0.483	0.185	#####	monocyte	PLXDC2
HCK.8	#####	0.762055	0.416	0.145	#####	monocyte	HCK
GIMAP1.7	#####	0.592198	0.252	0.057	#####	monocyte	GIMAP1
OTOA.5	#####	0.438212	0.151	0.021	#####	monocyte	OTOA
NFIB.8	#####	-1.06229	0.037	0.408	#####	monocyte	NFIB

CTSD. 7	#####	0.736062	0.778	0.627	#####	monocyte	CTSD
GPSM3. 8	#####	0.795653	0.552	0.236	#####	monocyte	GPSM3
SOX4. 7	#####	-1.16243	0.109	0.475	#####	monocyte	SOX4
LPAR6. 8	#####	0.833597	0.496	0.215	#####	monocyte	LPAR6
CD84. 8	#####	0.679079	0.355	0.109	#####	monocyte	CD84
ZNF667-AS	#####	-0.88981	0.043	0.419	#####	monocyte	ZNF667-AS1
APP. 7	#####	-0.7712	0.18	0.555	#####	monocyte	APP
PILRA. 7	#####	0.804411	0.409	0.143	#####	monocyte	PILRA
TUBB2A. 7	#####	-0.93036	0.141	0.507	#####	monocyte	TUBB2A
SIGLEC10.	#####	0.73616	0.407	0.14	#####	monocyte	SIGLEC10
TM6SF1. 8	#####	0.795586	0.402	0.137	#####	monocyte	TM6SF1
APOE. 6	#####	0.585064	0.807	0.675	#####	monocyte	APOE
LTC4S. 8	#####	0.801721	0.405	0.147	#####	monocyte	LTC4S
NPL. 7	#####	0.932756	0.447	0.179	5.94E-99	monocyte	NPL
TMEM119. 6	#####	0.758098	0.306	0.087	9.49E-99	monocyte	TMEM119
FXDY5. 8	#####	0.727616	0.64	0.314	9.85E-99	monocyte	FXDY5
GYPC. 8	#####	0.853801	0.569	0.286	1.18E-98	monocyte	GYPC
CTSZ. 8	#####	0.744483	0.514	0.233	6.56E-98	monocyte	CTSZ
PLA2G7. 6	#####	0.565308	0.195	0.038	7.88E-98	monocyte	PLA2G7
FYB. 8	#####	0.737862	0.495	0.199	1.02E-97	monocyte	FYB
AOAH. 7	#####	0.754966	0.339	0.104	3.29E-97	monocyte	AOAH
LRRC25. 8	#####	0.645737	0.282	0.075	1.61E-96	monocyte	LRRC25
WBP5. 7	#####	-0.76384	0.156	0.533	2.48E-96	monocyte	WBP5
MT3. 8	1.80E-99	-1.20282	0.169	0.519	2.69E-95	monocyte	MT3
FHL1. 8	2.34E-99	-0.85442	0.038	0.385	3.49E-95	monocyte	FHL1
SERPINA1.	4.06E-99	0.755959	0.593	0.273	6.07E-95	monocyte	SERPINA1
SEC61G. 8	3.37E-98	-0.73479	0.543	0.822	5.04E-94	monocyte	SEC61G
MPEG1. 6	1.79E-97	0.440859	0.172	0.03	2.67E-93	monocyte	MPEG1
CKB. 8	1.86E-96	-0.80501	0.294	0.608	2.78E-92	monocyte	CKB
SLA. 8	3.59E-96	0.725657	0.459	0.179	5.36E-92	monocyte	SLA
CPE. 7	3.68E-96	-0.92001	0.069	0.418	5.50E-92	monocyte	CPE
EVI2B. 8	4.27E-96	0.759038	0.46	0.18	6.38E-92	monocyte	EVI2B
BEX1. 7	6.62E-96	-1.03745	0.035	0.379	9.89E-92	monocyte	BEX1
SCD5. 7	7.01E-96	-0.87171	0.073	0.423	1.05E-91	monocyte	SCD5
ADAM28. 7	2.02E-95	0.736688	0.362	0.122	3.01E-91	monocyte	ADAM28
APLP1. 8	3.02E-95	-0.96988	0.039	0.379	4.52E-91	monocyte	APLP1
LIPA. 7	1.26E-94	0.829379	0.57	0.313	1.88E-90	monocyte	LIPA
PKD2L1. 1	4.87E-94	0.317243	0.1	0.01	7.28E-90	monocyte	PKD2L1
GIMAP7. 5	2.04E-93	0.584358	0.198	0.042	3.04E-89	monocyte	GIMAP7
A2M. 6	2.10E-93	0.630614	0.722	0.441	3.13E-89	monocyte	A2M
LYL1. 8	2.69E-93	0.617824	0.254	0.066	4.02E-89	monocyte	LYL1
NFIX. 7	3.10E-93	-0.80937	0.026	0.36	4.63E-89	monocyte	NFIX
TNFSF13B.	6.77E-93	0.769643	0.449	0.182	1.01E-88	monocyte	TNFSF13B
CMKLR1. 6	1.62E-92	0.448503	0.187	0.037	2.43E-88	monocyte	CMKLR1
LINC00461	2.01E-92	-0.89972	0.022	0.347	3.01E-88	monocyte	LINC00461
ELAVL3. 8	2.33E-92	-0.86708	0.013	0.337	3.49E-88	monocyte	ELAVL3
YWHAQ. 7	3.42E-92	-0.58068	0.333	0.671	5.11E-88	monocyte	YWHAQ
IGFBP2. 6	6.14E-92	-1.13101	0.078	0.4	9.17E-88	monocyte	IGFBP2
RCSD1. 7	8.23E-92	0.661843	0.323	0.102	1.23E-87	monocyte	RCSD1
NCF4. 8	8.49E-92	0.748888	0.365	0.126	1.27E-87	monocyte	NCF4
PTPRC. 8	2.42E-91	0.646933	0.456	0.181	3.62E-87	monocyte	PTPRC

CFD. 7	5. 74E-91	0. 703711	0. 379	0. 136	8. 58E-87	monocyte	CFD
SCPEP1. 7	6. 74E-91	0. 81679	0. 585	0. 325	1. 01E-86	monocyte	SCPEP1
CREG1. 8	2. 15E-90	0. 783917	0. 52	0. 277	3. 21E-86	monocyte	CREG1
ASAH1. 6	2. 61E-90	0. 757436	0. 761	0. 642	3. 90E-86	monocyte	ASAH1
DAB2. 7	6. 31E-90	0. 709245	0. 368	0. 131	9. 43E-86	monocyte	DAB2
CXCL16. 7	6. 42E-90	0. 742515	0. 67	0. 434	9. 60E-86	monocyte	CXCL16
SCG5. 7	8. 84E-90	-0. 93996	0. 029	0. 355	1. 32E-85	monocyte	SCG5
CAMK2N1. 8	1. 69E-89	-0. 88819	0. 024	0. 343	2. 52E-85	monocyte	CAMK2N1
CX3CR1. 7	2. 35E-89	0. 817354	0. 281	0. 085	3. 52E-85	monocyte	CX3CR1
BAALC. 7	2. 82E-89	-0. 87544	0. 044	0. 372	4. 22E-85	monocyte	BAALC
IFNGR1. 8	4. 69E-89	0. 756734	0. 653	0. 418	7. 01E-85	monocyte	IFNGR1
CD300LF. 6	4. 82E-89	0. 439967	0. 175	0. 034	7. 21E-85	monocyte	CD300LF
FYN. 7	1. 01E-88	-0. 79963	0. 03	0. 352	1. 52E-84	monocyte	FYN
TYMP. 8	4. 03E-88	0. 719731	0. 561	0. 284	6. 03E-84	monocyte	TYMP
HLA-B. 5	4. 83E-88	0. 478556	0. 975	0. 841	7. 21E-84	monocyte	HLA-B
NCAM1. 8	1. 04E-87	-0. 79194	0. 035	0. 362	1. 55E-83	monocyte	NCAM1
SELPLG. 6	1. 36E-87	0. 699409	0. 32	0. 104	2. 03E-83	monocyte	SELPLG
GOLM1. 7	4. 35E-87	-0. 76638	0. 025	0. 342	6. 49E-83	monocyte	GOLM1
KIF21A. 8	5. 14E-87	-0. 74966	0. 015	0. 328	7. 68E-83	monocyte	KIF21A
HMOX1. 8	1. 29E-86	0. 835879	0. 553	0. 272	1. 93E-82	monocyte	HMOX1
MEF2C. 8	1. 76E-86	0. 804216	0. 511	0. 263	2. 63E-82	monocyte	MEF2C
NPDC1. 7	2. 34E-86	-0. 79656	0. 038	0. 349	3. 50E-82	monocyte	NPDC1
CD4. 8	3. 78E-86	0. 682119	0. 375	0. 136	5. 65E-82	monocyte	CD4
GIMAP5. 6	5. 70E-86	0. 521951	0. 184	0. 039	8. 52E-82	monocyte	GIMAP5
S100A8. 8	1. 01E-85	1. 114349	0. 405	0. 165	1. 50E-81	monocyte	S100A8
NINJ1. 8	1. 08E-85	0. 789579	0. 647	0. 434	1. 62E-81	monocyte	NINJ1
SLC25A4. 8	1. 08E-85	-0. 63426	0. 113	0. 454	1. 62E-81	monocyte	SLC25A4
MAP2. 8	1. 34E-85	-0. 77783	0. 041	0. 364	2. 01E-81	monocyte	MAP2
APBB1IP. 8	6. 65E-85	0. 647132	0. 371	0. 138	9. 94E-81	monocyte	APBB1IP
ZBTB20. 7	7. 32E-85	-0. 68652	0. 077	0. 413	1. 09E-80	monocyte	ZBTB20
DPYSL3. 7	9. 44E-85	-0. 8098	0. 034	0. 348	1. 41E-80	monocyte	DPYSL3
WAS. 8	9. 48E-85	0. 690212	0. 401	0. 154	1. 42E-80	monocyte	WAS
CECR1. 7	1. 71E-84	0. 611078	0. 225	0. 057	2. 55E-80	monocyte	CECR1
MYO1F. 8	1. 98E-84	0. 638132	0. 413	0. 163	2. 95E-80	monocyte	MYO1F
TCEAL7. 6	2. 07E-84	-0. 82646	0. 019	0. 327	3. 10E-80	monocyte	TCEAL7
C16orf45. 2	1. 10E-84	-0. 78901	0. 032	0. 344	3. 15E-80	monocyte	C16orf45
ARHGAP24. 6	3. 36E-84	0. 748649	0. 356	0. 13	9. 50E-80	monocyte	ARHGAP24
CXXC5. 8	1. 97E-83	-0. 77603	0. 088	0. 406	2. 95E-79	monocyte	CXXC5
MAPT. 8	2. 61E-83	-0. 77144	0. 009	0. 309	3. 89E-79	monocyte	MAPT
FGL2. 8	4. 70E-83	0. 664821	0. 404	0. 156	7. 03E-79	monocyte	FGL2
ACP5. 6	5. 04E-83	0. 510192	0. 174	0. 036	7. 53E-79	monocyte	ACP5
NCKAP1L. 8	1. 66E-82	0. 691323	0. 315	0. 105	2. 48E-78	monocyte	NCKAP1L
BST2. 7	2. 90E-82	0. 616779	0. 738	0. 463	4. 34E-78	monocyte	BST2
DBN1. 8	5. 34E-82	-0. 74885	0. 029	0. 336	7. 99E-78	monocyte	DBN1
PTPN6. 8	2. 12E-81	0. 654362	0. 376	0. 143	3. 17E-77	monocyte	PTPN6
FERMT3. 8	3. 68E-81	0. 707966	0. 381	0. 147	5. 50E-77	monocyte	FERMT3
PODXL2. 8	5. 05E-81	-0. 76563	0. 031	0. 332	7. 55E-77	monocyte	PODXL2
CEBPA. 7	5. 75E-81	0. 565097	0. 283	0. 088	8. 59E-77	monocyte	CEBPA
STMN1. 7	1. 46E-80	-0. 57112	0. 338	0. 657	2. 18E-76	monocyte	STMN1
FABP7. 6	3. 13E-80	-1. 13861	0. 117	0. 407	4. 68E-76	monocyte	FABP7
BIN2. 7	7. 20E-80	0. 642415	0. 296	0. 096	1. 08E-75	monocyte	BIN2

LAPTM4B. 8	1. 09E-79	-0. 68224	0. 05	0. 356	1. 63E-75	monocyte	LAPTM4B
SYT11. 8	2. 11E-79	-0. 68142	0. 092	0. 41	3. 15E-75	monocyte	SYT11
PTPRZ1. 8	2. 16E-79	-0. 88332	0. 102	0. 409	3. 22E-75	monocyte	PTPRZ1
HPGDS. 7	3. 01E-79	0. 80629	0. 251	0. 075	4. 50E-75	monocyte	HPGDS
SGCB. 5	3. 69E-79	-0. 58289	0. 042	0. 351	5. 52E-75	monocyte	SGCB
ATP6VOE2. 3.	8. 6E-79	-0. 59592	0. 159	0. 479	5. 77E-75	monocyte	ATP6VOE2
PAFAH1B3. 6.	4. 2E-79	-0. 68382	0. 122	0. 45	9. 60E-75	monocyte	PAFAH1B3
IGF1. 6	9. 45E-79	0. 551005	0. 201	0. 049	1. 41E-74	monocyte	IGF1
CDH2. 7	1. 00E-78	-0. 72323	0. 019	0. 308	1. 50E-74	monocyte	CDH2
SEPT7. 8	1. 00E-78	-0. 43984	0. 406	0. 729	1. 50E-74	monocyte	7-Sep
STMN3. 6	1. 22E-78	-0. 70415	0. 033	0. 331	1. 82E-74	monocyte	STMN3
PLTP. 6	1. 93E-78	1. 016767	0. 641	0. 455	2. 88E-74	monocyte	PLTP
POLD2. 5	5. 35E-78	-0. 6556	0. 126	0. 447	7. 99E-74	monocyte	POLD2
CSF3R. 7	8. 00E-78	0. 669591	0. 358	0. 134	1. 20E-73	monocyte	CSF3R
SERPINB1. 1.	6E-77	0. 709243	0. 517	0. 244	1. 73E-73	monocyte	SERPINB1
OCIAD2. 7	1. 91E-77	-0. 95734	0. 103	0. 412	2. 85E-73	monocyte	OCIAD2
SRI. 7	2. 11E-77	-0. 45715	0. 454	0. 753	3. 16E-73	monocyte	SRI
MGST2. 8	2. 46E-77	0. 747831	0. 48	0. 233	3. 68E-73	monocyte	MGST2
KCTD12. 8	6. 98E-77	0. 725788	0. 45	0. 217	1. 04E-72	monocyte	KCTD12
C1orf54. 8	1. 08E-76	0. 842218	0. 438	0. 207	1. 62E-72	monocyte	C1orf54
SYNGR2. 8	1. 64E-76	0. 756054	0. 541	0. 309	2. 46E-72	monocyte	SYNGR2
NFIA. 7	1. 86E-76	-0. 71239	0. 09	0. 405	2. 78E-72	monocyte	NFIA
VAMP2. 7	1. 94E-76	-0. 52847	0. 322	0. 649	2. 89E-72	monocyte	VAMP2
SPP1. 5	3. 25E-76	0. 530355	0. 923	0. 848	4. 85E-72	monocyte	SPP1
NCF1. 8	4. 32E-76	0. 598939	0. 309	0. 107	6. 45E-72	monocyte	NCF1
RHOBTB3. 8	9. 91E-76	-0. 63896	0. 117	0. 434	1. 48E-71	monocyte	RHOBTB3
DSTN. 8	1. 57E-75	-0. 48158	0. 338	0. 643	2. 35E-71	monocyte	DSTN
CYTL1. 7	1. 85E-75	0. 713048	0. 285	0. 095	2. 76E-71	monocyte	CYTL1
PARVG. 8	2. 13E-75	0. 638723	0. 372	0. 143	3. 18E-71	monocyte	PARVG
DDR1. 6	2. 36E-75	-0. 71475	0. 061	0. 355	3. 53E-71	monocyte	DDR1
TSPAN7. 6	2. 94E-75	-0. 67855	0. 04	0. 334	4. 39E-71	monocyte	TSPAN7
PHLDA1. 5	4. 76E-75	-0. 77045	0. 123	0. 42	7. 12E-71	monocyte	PHLDA1
PMP2. 8	7. 17E-75	-0. 96857	0. 082	0. 374	1. 07E-70	monocyte	PMP2
CD320. 6	7. 81E-75	-0. 54185	0. 047	0. 342	1. 17E-70	monocyte	CD320
IP6K2. 7	1. 04E-74	-0. 55675	0. 138	0. 461	1. 55E-70	monocyte	IP6K2
ARRB2. 8	3. 26E-74	0. 763406	0. 605	0. 382	4. 87E-70	monocyte	ARRB2
STMN4. 7	3. 39E-74	-1. 0111	0. 042	0. 329	5. 07E-70	monocyte	STMN4
GSN. 7	3. 76E-74	0. 6067	0. 715	0. 491	5. 62E-70	monocyte	GSN
CCR1. 7	8. 21E-74	0. 514642	0. 237	0. 068	1. 23E-69	monocyte	CCR1
LPCAT2. 8	1. 48E-73	0. 629078	0. 34	0. 13	2. 22E-69	monocyte	LPCAT2
CRMP1. 7	1. 56E-73	-0. 78769	0. 014	0. 288	2. 33E-69	monocyte	CRMP1
PIK3AP1. 8	2. 16E-73	0. 429636	0. 204	0. 052	3. 23E-69	monocyte	PIK3AP1
S100A9. 8	5. 43E-73	0. 988552	0. 437	0. 205	8. 11E-69	monocyte	S100A9
ENO2. 8	5. 85E-73	-0. 72812	0. 026	0. 307	8. 75E-69	monocyte	ENO2
FZD3. 5	7. 63E-73	-0. 66643	0. 022	0. 299	1. 14E-68	monocyte	FZD3
MILR1. 8	8. 32E-73	0. 707001	0. 263	0. 084	1. 24E-68	monocyte	MILR1
MORF4L2. 6	1. 18E-72	-0. 42484	0. 316	0. 652	1. 77E-68	monocyte	MORF4L2
C12orf57. 1.	29E-72	-0. 55316	0. 24	0. 563	1. 93E-68	monocyte	C12orf57
S100A16. 7	1. 70E-72	-1. 05056	0. 053	0. 329	2. 54E-68	monocyte	S100A16
MAGED1. 7	1. 90E-72	-0. 59772	0. 071	0. 369	2. 83E-68	monocyte	MAGED1
CRIP2. 6	4. 09E-72	-0. 69425	0. 048	0. 337	6. 11E-68	monocyte	CRIP2

PPDPF. 4	5. 05E-72	-0. 44059	0. 46	0. 733	7. 54E-68	monocyte	PPDPF
MEST. 7	6. 21E-72	-0. 69127	0. 11	0. 411	9. 28E-68	monocyte	MEST
UBE2S. 7	8. 00E-72	-0. 70765	0. 08	0. 367	1. 20E-67	monocyte	UBE2S
SLC2A5. 8	1. 06E-71	0. 840596	0. 366	0. 153	1. 59E-67	monocyte	SLC2A5
STAB1. 7	1. 27E-71	0. 681519	0. 365	0. 143	1. 90E-67	monocyte	STAB1
SOX11. 7	1. 68E-71	-0. 84449	0. 023	0. 295	2. 51E-67	monocyte	SOX11
PTOV1. 7	2. 09E-71	-0. 60268	0. 16	0. 463	3. 13E-67	monocyte	PTOV1
GSTA4. 7	2. 49E-71	-0. 73809	0. 034	0. 312	3. 72E-67	monocyte	GSTA4
BLNK. 6	3. 86E-71	0. 60332	0. 205	0. 055	5. 77E-67	monocyte	BLNK
SCG3. 8	4. 34E-71	-0. 85425	0. 02	0. 288	6. 49E-67	monocyte	SCG3
KIF5C. 8	6. 77E-71	-0. 68824	0. 02	0. 29	1. 01E-66	monocyte	KIF5C
TFEC. 8	2. 93E-70	0. 424133	0. 183	0. 045	4. 38E-66	monocyte	TFEC
ATP8B4. 6	3. 49E-70	0. 433369	0. 154	0. 033	5. 22E-66	monocyte	ATP8B4
LILRB1. 8	4. 80E-70	0. 55696	0. 248	0. 078	7. 18E-66	monocyte	LILRB1
SERPINE2. 5	5. 51E-70	-0. 69807	0. 038	0. 316	8. 23E-66	monocyte	SERPINE2
GPNMB. 7	6. 36E-70	0. 8173	0. 403	0. 182	9. 50E-66	monocyte	GPNMB
DNER. 6	6. 60E-70	-0. 78383	0. 028	0. 302	9. 86E-66	monocyte	DNER
CSRP2. 6	1. 22E-69	-0. 87374	0. 047	0. 324	1. 82E-65	monocyte	CSRP2
SUSD3. 7	1. 58E-69	0. 617368	0. 254	0. 081	2. 35E-65	monocyte	SUSD3
CAPZB. 7	2. 17E-69	0. 582263	0. 775	0. 695	3. 25E-65	monocyte	CAPZB
ZNF428. 8	3. 51E-69	-0. 52855	0. 275	0. 569	5. 25E-65	monocyte	ZNF428
MEG3. 7	4. 14E-69	-0. 92785	0. 05	0. 327	6. 18E-65	monocyte	MEG3
SCG2. 7	6. 52E-69	-0. 85591	0. 024	0. 283	9. 74E-65	monocyte	SCG2
NREP. 7	7. 93E-69	-0. 68228	0. 027	0. 294	1. 19E-64	monocyte	NREP
EBI3. 7	1. 46E-68	0. 539997	0. 257	0. 082	2. 18E-64	monocyte	EBI3
NME1. 6	1. 60E-68	-0. 47091	0. 276	0. 594	2. 38E-64	monocyte	NME1
AP1S1. 7	2. 65E-68	-0. 55385	0. 183	0. 493	3. 96E-64	monocyte	AP1S1
TMEM176A. 2	7. 0E-68	0. 757094	0. 432	0. 208	4. 03E-64	monocyte	TMEM176A
SNCA. 8	3. 19E-68	0. 730705	0. 333	0. 127	4. 77E-64	monocyte	SNCA
LGMN. 7	4. 23E-68	0. 886722	0. 532	0. 335	6. 32E-64	monocyte	LGMN
SYK. 8	6. 63E-68	0. 561071	0. 272	0. 091	9. 90E-64	monocyte	SYK
LMNA. 4	7. 89E-68	-0. 60953	0. 144	0. 44	1. 18E-63	monocyte	LMNA
TMEM59L. 7	8. 05E-68	-0. 62845	0. 018	0. 28	1. 20E-63	monocyte	TMEM59L
FAM229B. 7	1. 21E-67	-0. 64324	0. 043	0. 314	1. 81E-63	monocyte	FAM229B
PCBP4. 8	1. 63E-67	-0. 64007	0. 018	0. 277	2. 44E-63	monocyte	PCBP4
MYL6B. 7	1. 94E-67	-0. 50282	0. 158	0. 467	2. 89E-63	monocyte	MYL6B
LINC01094	2. 27E-67	0. 645725	0. 346	0. 137	3. 40E-63	monocyte	LINC01094
CADM4. 7	2. 57E-67	-0. 62496	0. 023	0. 285	3. 84E-63	monocyte	CADM4
SCRG1. 7	2. 59E-67	-0. 74343	0. 088	0. 369	3. 87E-63	monocyte	SCRG1
PRAM1. 6	4. 30E-67	0. 499429	0. 173	0. 042	6. 43E-63	monocyte	PRAM1
CD302. 8	4. 42E-67	0. 737331	0. 403	0. 187	6. 61E-63	monocyte	CD302
CD300A. 8	4. 79E-67	0. 644534	0. 402	0. 173	7. 16E-63	monocyte	CD300A
C7orf55. 7	5. 68E-67	-0. 56768	0. 141	0. 448	8. 48E-63	monocyte	C7orf55
CLU. 8	1. 11E-66	-0. 52812	0. 546	0. 803	1. 67E-62	monocyte	CLU
LYZ. 8	1. 24E-66	0. 659953	0. 419	0. 187	1. 85E-62	monocyte	LYZ
CPM. 6	1. 48E-66	0. 730054	0. 443	0. 216	2. 22E-62	monocyte	CPM
UNC93B1. 8	1. 49E-66	0. 662524	0. 389	0. 184	2. 23E-62	monocyte	UNC93B1
MSI2. 5	2. 60E-66	-0. 64385	0. 069	0. 344	3. 88E-62	monocyte	MSI2
NES. 8	3. 94E-66	-0. 81528	0. 041	0. 297	5. 88E-62	monocyte	NES
MAF. 7	5. 80E-66	0. 608808	0. 311	0. 119	8. 67E-62	monocyte	MAF
PCDH9. 6	6. 35E-66	-0. 76585	0. 02	0. 276	9. 50E-62	monocyte	PCDH9



PKIG. 7	6. 67E-66	-0. 7078	0. 064	0. 332	9. 96E-62	monocyte	PKIG
TSPAN5. 8	6. 75E-66	-0. 6011	0. 025	0. 283	1. 01E-61	monocyte	TSPAN5
SEZ6L2. 7	8. 61E-66	-0. 68031	0. 037	0. 294	1. 29E-61	monocyte	SEZ6L2
PSIP1. 7	8. 66E-66	-0. 50427	0. 112	0. 408	1. 29E-61	monocyte	PSIP1
CRYAB. 8	1. 30E-65	-0. 87264	0. 222	0. 524	1. 95E-61	monocyte	CRYAB
KLHDC8A. 8	2. 55E-65	-0. 6745	0. 02	0. 271	3. 81E-61	monocyte	KLHDC8A
CENPV. 8	3. 15E-65	-0. 63986	0. 021	0. 276	4. 70E-61	monocyte	CENPV
LIMA1. 7	4. 38E-65	-0. 6742	0. 072	0. 34	6. 55E-61	monocyte	LIMA1
AES. 7	4. 83E-65	-0. 53613	0. 135	0. 435	7. 22E-61	monocyte	AES
LMO4. 8	4. 85E-65	-0. 57133	0. 214	0. 501	7. 25E-61	monocyte	LMO4
ATAT1. 8	6. 71E-65	-0. 56208	0. 044	0. 31	1. 00E-60	monocyte	ATAT1
THY1. 7	7. 81E-65	-0. 65359	0. 022	0. 276	1. 17E-60	monocyte	THY1
IFITM2. 8	9. 72E-65	0. 772572	0. 494	0. 264	1. 45E-60	monocyte	IFITM2
DYNC1LI2. 1	1. 12E-64	-0. 59833	0. 087	0. 367	1. 67E-60	monocyte	DYNC1LI2
SAMSN1. 8	1. 12E-64	0. 683773	0. 484	0. 231	1. 68E-60	monocyte	SAMSN1
NRN1. 5	1. 14E-64	-0. 75664	0. 022	0. 274	1. 71E-60	monocyte	NRN1
ENAH. 7	1. 17E-64	-0. 58593	0. 028	0. 285	1. 74E-60	monocyte	ENAH
FAM26F. 8	1. 17E-64	0. 562449	0. 361	0. 149	1. 75E-60	monocyte	FAM26F
IGFBP5. 8	1. 22E-64	-1. 04755	0. 033	0. 289	1. 82E-60	monocyte	IGFBP5
TAF7. 7	6. 67E-64	-0. 49357	0. 272	0. 578	9. 96E-60	monocyte	TAF7
TUBB4B. 4	8. 55E-64	-0. 42788	0. 216	0. 517	1. 28E-59	monocyte	TUBB4B
PRAF2. 7	9. 37E-64	-0. 56822	0. 056	0. 324	1. 40E-59	monocyte	PRAF2
STXBP2. 8	1. 06E-63	0. 618308	0. 367	0. 155	1. 58E-59	monocyte	STXBP2
ARPC3. 6	1. 84E-63	0. 477198	0. 839	0. 801	2. 74E-59	monocyte	ARPC3
CNPY3. 8	2. 03E-63	0. 678947	0. 599	0. 396	3. 03E-59	monocyte	CNPY3
CARHSP1. 7	2. 09E-63	-0. 54971	0. 159	0. 446	3. 12E-59	monocyte	CARHSP1
THEMIS2. 8	2. 10E-63	0. 680966	0. 451	0. 223	3. 15E-59	monocyte	THEMIS2
NLRP1. 7	3. 04E-63	-0. 60165	0. 085	0. 361	4. 55E-59	monocyte	NLRP1
SPTBN1. 6	4. 63E-63	-0. 54296	0. 038	0. 295	6. 91E-59	monocyte	SPTBN1
RHBDF2. 8	5. 37E-63	0. 630652	0. 367	0. 161	8. 03E-59	monocyte	RHBDF2
SLC22A17. 5	5. 67E-63	-0. 56282	0. 043	0. 305	8. 47E-59	monocyte	SLC22A17
SIGLEC9. 8	8. 51E-63	0. 58714	0. 242	0. 079	1. 27E-58	monocyte	SIGLEC9
SFMBT2. 6	9. 52E-63	0. 582105	0. 214	0. 065	1. 42E-58	monocyte	SFMBT2
LY96. 8	9. 71E-63	0. 70606	0. 408	0. 206	1. 45E-58	monocyte	LY96
TBCB. 6	1. 61E-62	-0. 41248	0. 38	0. 683	2. 40E-58	monocyte	TBCB
CD33. 8	2. 74E-62	0. 596549	0. 289	0. 105	4. 09E-58	monocyte	CD33
RUFY3. 7	2. 87E-62	-0. 54829	0. 062	0. 327	4. 29E-58	monocyte	RUFY3
SMARCA4. 7	5. 24E-62	-0. 56377	0. 108	0. 383	7. 83E-58	monocyte	SMARCA4
TRIB2. 8	8. 41E-62	-0. 64478	0. 035	0. 283	1. 26E-57	monocyte	TRIB2
RPAIN. 6	1. 27E-61	-0. 41832	0. 211	0. 51	1. 90E-57	monocyte	RPAIN
TRAF4. 7	1. 29E-61	-0. 59333	0. 039	0. 289	1. 92E-57	monocyte	TRAF4
STRAP. 5	2. 55E-61	-0. 40707	0. 276	0. 578	3. 81E-57	monocyte	STRAP
IL10RA. 8	4. 08E-61	0. 57124	0. 315	0. 123	6. 10E-57	monocyte	IL10RA
COPS8. 7	4. 32E-61	-0. 4518	0. 192	0. 494	6. 46E-57	monocyte	COPS8
VCAN. 5	4. 72E-61	-0. 64477	0. 022	0. 266	7. 05E-57	monocyte	VCAN
RB1. 8	5. 24E-61	0. 729625	0. 486	0. 289	7. 83E-57	monocyte	RB1
TMEM98. 5	5. 34E-61	-0. 65376	0. 017	0. 254	7. 97E-57	monocyte	TMEM98
P2RY6. 7	9. 62E-61	0. 362898	0. 124	0. 025	1. 44E-56	monocyte	P2RY6
RIC3. 6	1. 03E-60	-0. 66472	0. 014	0. 25	1. 53E-56	monocyte	RIC3
TLL7. 8	1. 38E-60	-0. 56991	0. 017	0. 257	2. 06E-56	monocyte	TLL7
SPINT2. 8	1. 56E-60	0. 641245	0. 412	0. 199	2. 33E-56	monocyte	SPINT2

CYTH4. 8	1. 90E-60	0. 560641	0. 271	0. 098	2. 84E-56	monocyte	CYTH4
GAL3ST4. 7	2. 07E-60	0. 671555	0. 353	0. 155	3. 09E-56	monocyte	GAL3ST4
NRCAM. 7	5. 37E-60	-0. 5331	0. 04	0. 29	8. 03E-56	monocyte	NRCAM
LILRA4. 3	5. 42E-60	0. 356043	0. 099	0. 016	8. 10E-56	monocyte	LILRA4
OLR1. 8	7. 16E-60	0. 651663	0. 474	0. 23	1. 07E-55	monocyte	OLR1
MAP1LC3A. 7	7. 71E-60	-0. 56692	0. 121	0. 387	1. 15E-55	monocyte	MAP1LC3A
BEX2. 7	9. 23E-60	-0. 74912	0. 031	0. 277	1. 38E-55	monocyte	BEX2
CFL2. 6	9. 57E-60	-0. 60102	0. 084	0. 349	1. 43E-55	monocyte	CFL2
IL16. 7	9. 76E-60	0. 499902	0. 196	0. 057	1. 46E-55	monocyte	IL16
HEY1. 6	1. 12E-59	-0. 64905	0. 028	0. 266	1. 68E-55	monocyte	HEY1
TTC3. 7	1. 22E-59	-0. 52266	0. 265	0. 538	1. 82E-55	monocyte	TTC3
ALOX5. 8	1. 40E-59	0. 626071	0. 312	0. 123	2. 10E-55	monocyte	ALOX5
TMEM86A. 6	3. 48E-59	0. 463691	0. 151	0. 037	5. 20E-55	monocyte	TMEM86A
FGD2. 7	4. 00E-59	0. 512592	0. 181	0. 05	5. 98E-55	monocyte	FGD2
MLF2. 8	4. 98E-59	-0. 37527	0. 34	0. 633	7. 44E-55	monocyte	MLF2
RAMP1. 7	5. 42E-59	-0. 73099	0. 154	0. 435	8. 10E-55	monocyte	RAMP1
LHFP. 8	7. 32E-59	-0. 66856	0. 019	0. 251	1. 09E-54	monocyte	LHFP
CLEC7A. 8	9. 03E-59	0. 594636	0. 368	0. 158	1. 35E-54	monocyte	CLEC7A
CTTN. 7	9. 77E-59	-0. 56738	0. 017	0. 248	1. 46E-54	monocyte	CTTN
CCDC167. 5	9. 82E-59	-0. 47303	0. 126	0. 405	1. 47E-54	monocyte	CCDC167
SPARC. 7	1. 17E-58	-0. 85315	0. 15	0. 405	1. 74E-54	monocyte	SPARC
RNASE2. 8	1. 32E-58	0. 693939	0. 335	0. 142	1. 97E-54	monocyte	RNASE2
PPT1. 7	1. 74E-58	0. 614059	0. 669	0. 546	2. 60E-54	monocyte	PPT1
MGAT4A. 8	1. 76E-58	0. 641497	0. 415	0. 203	2. 63E-54	monocyte	MGAT4A
NAE1. 5	1. 77E-58	-0. 50444	0. 095	0. 362	2. 64E-54	monocyte	NAE1
METRN. 8	1. 89E-58	-0. 64736	0. 068	0. 314	2. 82E-54	monocyte	METRN
SIGLEC1. 4	1. 93E-58	0. 388643	0. 113	0. 021	2. 89E-54	monocyte	SIGLEC1
RCN2. 7	2. 25E-58	-0. 50802	0. 216	0. 489	3. 37E-54	monocyte	RCN2
SIGLEC7. 8	2. 80E-58	0. 457425	0. 206	0. 062	4. 19E-54	monocyte	SIGLEC7
RAB3IP. 6	3. 96E-58	-0. 66881	0. 029	0. 266	5. 91E-54	monocyte	RAB3IP
SOWAHD. 1	5. 10E-58	0. 222959	0. 079	0. 011	7. 62E-54	monocyte	SOWAHD
FCGBP. 7	5. 24E-58	0. 776361	0. 413	0. 213	7. 83E-54	monocyte	FCGBP
VBP1. 6	5. 61E-58	-0. 38012	0. 209	0. 512	8. 38E-54	monocyte	VBP1
TCEA2. 7	5. 70E-58	-0. 5472	0. 124	0. 39	8. 51E-54	monocyte	TCEA2
RP11-553L	1. 00E-57	-0. 53524	0. 016	0. 245	1. 50E-53	monocyte	RP11-553L6. 5
SBDS. 7	1. 05E-57	-0. 30497	0. 326	0. 635	1. 57E-53	monocyte	SBDS
RCN1. 8	1. 12E-57	-0. 51065	0. 11	0. 376	1. 68E-53	monocyte	RCN1
IFRD1. 7	1. 14E-57	-0. 38019	0. 205	0. 512	1. 70E-53	monocyte	IFRD1
RHOG. 8	1. 44E-57	0. 66258	0. 587	0. 393	2. 15E-53	monocyte	RHOG
ODC1. 7	1. 54E-57	-0. 58004	0. 152	0. 415	2. 30E-53	monocyte	ODC1
TMEM161B-	1. 84E-57	-0. 62214	0. 059	0. 309	2. 75E-53	monocyte	TMEM161B-AS1
NDUFA5. 6	2. 81E-57	-0. 39256	0. 297	0. 602	4. 20E-53	monocyte	NDUFA5
FAM3C. 7	4. 12E-57	-0. 53504	0. 187	0. 459	6. 16E-53	monocyte	FAM3C
DHPS. 6	6. 92E-57	-0. 4782	0. 182	0. 47	1. 03E-52	monocyte	DHPS
BSG. 7	7. 04E-57	-0. 32288	0. 49	0. 764	1. 05E-52	monocyte	BSG
PTPRS. 8	7. 24E-57	-0. 61327	0. 04	0. 277	1. 08E-52	monocyte	PTPRS
SPAG9. 6	9. 41E-57	-0. 51025	0. 111	0. 375	1. 41E-52	monocyte	SPAG9
PBX1. 7	1. 17E-56	-0. 53505	0. 01	0. 232	1. 75E-52	monocyte	PBX1
RBFOX2. 7	1. 23E-56	-0. 5762	0. 011	0. 234	1. 84E-52	monocyte	RBFOX2
MT1M. 6	1. 37E-56	-0. 77288	0. 029	0. 263	2. 04E-52	monocyte	MT1M
HEPN1. 7	1. 86E-56	-0. 72562	0. 005	0. 222	2. 78E-52	monocyte	HEPN1

SORL1. 7	3. 14E-56	0. 65272	0. 411	0. 211	4. 69E-52	monocyte	SORL1
HHEX. 8	3. 41E-56	0. 467593	0. 171	0. 047	5. 09E-52	monocyte	HHEX
TERF2IP. 8	4. 77E-56	-0. 47626	0. 259	0. 541	7. 13E-52	monocyte	TERF2IP
CD01. 8	5. 76E-56	-0. 61264	0. 024	0. 253	8. 60E-52	monocyte	CD01
BUD31. 6	5. 90E-56	-0. 40103	0. 356	0. 652	8. 82E-52	monocyte	BUD31
MAFB. 6	8. 25E-56	0. 551871	0. 51	0. 297	1. 23E-51	monocyte	MAFB
FKBP10. 8	1. 07E-55	-0. 55326	0. 011	0. 23	1. 60E-51	monocyte	FKBP10
SLC15A3. 7	1. 13E-55	0. 38303	0. 193	0. 058	1. 69E-51	monocyte	SLC15A3
TCF4. 8	1. 21E-55	-0. 48995	0. 278	0. 545	1. 80E-51	monocyte	TCF4
MEIS2. 7	1. 38E-55	-0. 67966	0. 006	0. 221	2. 06E-51	monocyte	MEIS2
CLEC4A. 8	1. 63E-55	0. 420589	0. 178	0. 051	2. 43E-51	monocyte	CLEC4A
CSTA. 8	1. 65E-55	0. 523348	0. 293	0. 114	2. 46E-51	monocyte	CSTA
HLA-C. 4	1. 92E-55	0. 39999	0. 894	0. 795	2. 86E-51	monocyte	HLA-C
NT5C3B. 7	3. 13E-55	-0. 45001	0. 095	0. 353	4. 68E-51	monocyte	NT5C3B
POU3F2. 6	3. 57E-55	-0. 57973	0. 016	0. 234	5. 33E-51	monocyte	POU3F2
TRIM2. 6	4. 00E-55	-0. 51185	0. 019	0. 242	5. 97E-51	monocyte	TRIM2
MFSD1. 8	4. 31E-55	0. 734743	0. 519	0. 328	6. 44E-51	monocyte	MFSD1
MALAT1. 8	4. 67E-55	-0. 18483	0. 979	0. 997	6. 99E-51	monocyte	MALAT1
DTD1. 8	4. 89E-55	-0. 45185	0. 146	0. 413	7. 31E-51	monocyte	DTD1
TLR7. 5	5. 05E-55	0. 496415	0. 166	0. 046	7. 54E-51	monocyte	TLR7
PHF14. 7	5. 06E-55	-0. 45882	0. 165	0. 445	7. 57E-51	monocyte	PHF14
FAM212A. 6	5. 29E-55	0. 64887	0. 15	0. 04	7. 90E-51	monocyte	FAM212A
SRPK2. 6	5. 99E-55	-0. 48882	0. 162	0. 432	8. 96E-51	monocyte	SRPK2
DSEL. 8	6. 48E-55	-0. 56698	0. 02	0. 243	9. 68E-51	monocyte	DSEL
SCIMP. 8	7. 41E-55	0. 462633	0. 216	0. 071	1. 11E-50	monocyte	SCIMP
WRB. 7	8. 36E-55	-0. 36719	0. 161	0. 443	1. 25E-50	monocyte	WRB
CSNK1E. 7	8. 69E-55	-0. 50304	0. 076	0. 327	1. 30E-50	monocyte	CSNK1E
HLA-DOA. 6	1. 50E-54	0. 571268	0. 235	0. 082	2. 25E-50	monocyte	HLA-DOA
DCX. 8	1. 72E-54	-0. 67634	0. 008	0. 222	2. 58E-50	monocyte	DCX
DLEU7. 7	1. 90E-54	0. 458721	0. 154	0. 04	2. 84E-50	monocyte	DLEU7
POP7. 6	2. 23E-54	-0. 44615	0. 149	0. 416	3. 34E-50	monocyte	POP7
RHBDD2. 7	2. 29E-54	-0. 44059	0. 204	0. 482	3. 42E-50	monocyte	RHBDD2
COL6A1. 7	2. 38E-54	-0. 61168	0. 027	0. 247	3. 55E-50	monocyte	COL6A1
CHN1. 7	2. 89E-54	-0. 51915	0. 017	0. 234	4. 31E-50	monocyte	CHN1
SPARCL1. 7	3. 82E-54	-0. 91016	0. 127	0. 365	5. 71E-50	monocyte	SPARCL1
SV2A. 6	4. 07E-54	-0. 48635	0. 008	0. 219	6. 09E-50	monocyte	SV2A
PLS3. 7	4. 31E-54	-0. 56563	0. 02	0. 239	6. 44E-50	monocyte	PLS3
TSPO. 7	6. 59E-54	0. 530619	0. 699	0. 585	9. 84E-50	monocyte	TSPO
MAP1A. 7	7. 13E-54	-0. 54542	0. 025	0. 248	1. 07E-49	monocyte	MAP1A
FAM127A. 5	7. 16E-54	-0. 42771	0. 198	0. 482	1. 07E-49	monocyte	FAM127A
RND3. 7	7. 31E-54	-0. 71856	0. 038	0. 261	1. 09E-49	monocyte	RND3
LYN. 8	7. 53E-54	0. 534995	0. 343	0. 159	1. 13E-49	monocyte	LYN
SFPQ. 5	8. 11E-54	-0. 36093	0. 287	0. 565	1. 21E-49	monocyte	SFPQ
HLA-DQA2. 8	8. 77E-54	0. 776201	0. 344	0. 157	1. 31E-49	monocyte	HLA-DQA2
RGS19. 8	9. 29E-54	0. 673684	0. 451	0. 26	1. 39E-49	monocyte	RGS19
PIK3IP1. 6	9. 40E-54	0. 633326	0. 33	0. 146	1. 40E-49	monocyte	PIK3IP1
PPP2R2B. 6	1. 01E-53	-0. 57617	0. 019	0. 237	1. 51E-49	monocyte	PPP2R2B
FERMT2. 7	1. 43E-53	-0. 49318	0. 008	0. 22	2. 14E-49	monocyte	FERMT2
GPC1. 7	1. 82E-53	-0. 68972	0. 038	0. 255	2. 71E-49	monocyte	GPC1
TPST1. 6	2. 03E-53	-0. 52534	0. 031	0. 258	3. 04E-49	monocyte	TPST1
CBX5. 7	2. 49E-53	-0. 45845	0. 104	0. 365	3. 72E-49	monocyte	CBX5

REEP2. 6	2. 58E-53	-0. 46945	0. 009	0. 219	3. 85E-49	monocyte	REEP2
CYCS. 2	2. 67E-53	-0. 2418	0. 467	0. 758	3. 99E-49	monocyte	CYCS
YWHAE. 7	3. 08E-53	-0. 26461	0. 548	0. 77	4. 61E-49	monocyte	YWHAE
HMGB3. 7	3. 15E-53	-0. 56247	0. 065	0. 298	4. 70E-49	monocyte	HMGB3
CCL3. 8	3. 27E-53	0. 839553	0. 606	0. 406	4. 89E-49	monocyte	CCL3
GAS6. 7	3. 34E-53	0. 583211	0. 379	0. 189	4. 99E-49	monocyte	GAS6
FIBIN. 7	4. 38E-53	-0. 62521	0. 027	0. 244	6. 54E-49	monocyte	FIBIN
PNMA1. 7	4. 76E-53	-0. 51153	0. 068	0. 303	7. 12E-49	monocyte	PNMA1
LILRA2. 8	4. 91E-53	0. 62513	0. 213	0. 072	7. 34E-49	monocyte	LILRA2
SOX9. 7	5. 04E-53	-0. 6995	0. 069	0. 29	7. 54E-49	monocyte	SOX9
SPATS2. 6	5. 75E-53	-0. 4851	0. 046	0. 277	8. 60E-49	monocyte	SPATS2
NAGA. 8	6. 41E-53	0. 668341	0. 353	0. 17	9. 58E-49	monocyte	NAGA
KIF1B. 7	7. 09E-53	-0. 55542	0. 075	0. 313	1. 06E-48	monocyte	KIF1B
ID4. 7	7. 14E-53	-0. 69376	0. 022	0. 232	1. 07E-48	monocyte	ID4
PTMS. 7	7. 31E-53	-0. 46354	0. 337	0. 572	1. 09E-48	monocyte	PTMS
TMEM106A.	7. 71E-53	0. 508465	0. 177	0. 053	1. 15E-48	monocyte	TMEM106A
TTYH1. 8	8. 06E-53	-0. 73735	0. 059	0. 286	1. 20E-48	monocyte	TTYH1
DYNLL1. 5	8. 12E-53	-0. 26191	0. 62	0. 855	1. 21E-48	monocyte	DYNLL1
EVI2A. 7	8. 55E-53	0. 576866	0. 421	0. 205	1. 28E-48	monocyte	EVI2A
ARL4A. 1	1. 16E-52	-0. 4812	0. 138	0. 395	1. 73E-48	monocyte	ARL4A
CREB5. 7	1. 34E-52	-0. 5567	0. 031	0. 253	2. 01E-48	monocyte	CREB5
ALDH1A1. 4	1. 46E-52	0. 366718	0. 109	0. 022	2. 18E-48	monocyte	ALDH1A1
ACTG1. 7	1. 58E-52	-0. 21455	0. 832	0. 959	2. 36E-48	monocyte	ACTG1
LILRB5. 1	1. 71E-52	0. 179679	0. 059	0. 006	2. 55E-48	monocyte	LILRB5
RP11-480C	2. 23E-52	0. 637455	0. 147	0. 039	3. 33E-48	monocyte	RP11-480C22. 1
GRIA2. 7	2. 46E-52	-0. 54462	0. 017	0. 229	3. 67E-48	monocyte	GRIA2
UBE2E3. 7	3. 66E-52	-0. 44214	0. 209	0. 483	5. 47E-48	monocyte	UBE2E3
WDR54. 5	4. 42E-52	-0. 54857	0. 032	0. 251	6. 61E-48	monocyte	WDR54
GGH. 6	5. 15E-52	-0. 54546	0. 054	0. 281	7. 69E-48	monocyte	GGH
PGM2L1. 7	1. 07E-51	-0. 58238	0. 05	0. 274	1. 60E-47	monocyte	PGM2L1
TRIM9. 7	1. 08E-51	-0. 48294	0. 031	0. 251	1. 62E-47	monocyte	TRIM9
S100A4. 8	1. 46E-51	0. 570871	0. 514	0. 276	2. 18E-47	monocyte	S100A4
FABP3. 4	1. 62E-51	0. 34133	0. 149	0. 04	2. 42E-47	monocyte	FABP3
ARPC1A. 7	1. 90E-51	-0. 33244	0. 293	0. 582	2. 85E-47	monocyte	ARPC1A
IRF8. 8	2. 78E-51	0. 508428	0. 333	0. 143	4. 15E-47	monocyte	IRF8
EPSTI1. 8	4. 48E-51	0. 58765	0. 275	0. 112	6. 70E-47	monocyte	EPSTI1
LSM7. 5	6. 69E-51	-0. 32908	0. 375	0. 653	1. 00E-46	monocyte	LSM7
S100B. 7	7. 69E-51	-0. 51607	0. 285	0. 549	1. 15E-46	monocyte	S100B
USP11. 7	8. 56E-51	-0. 42427	0. 115	0. 373	1. 28E-46	monocyte	USP11
HES6. 7	8. 80E-51	-0. 67062	0. 073	0. 305	1. 32E-46	monocyte	HES6
LILRB2. 8	9. 50E-51	0. 371233	0. 159	0. 044	1. 42E-46	monocyte	LILRB2
THRA. 6	9. 68E-51	-0. 50187	0. 037	0. 257	1. 45E-46	monocyte	THRA
EGFR. 7	1. 06E-50	-0. 68679	0. 09	0. 319	1. 58E-46	monocyte	EGFR
CBX3. 6	1. 07E-50	-0. 3423	0. 302	0. 576	1. 61E-46	monocyte	CBX3
CD209. 1	1. 09E-50	0. 147519	0. 056	0. 006	1. 62E-46	monocyte	CD209
FBXO21. 6	1. 10E-50	-0. 49816	0. 087	0. 328	1. 64E-46	monocyte	FBXO21
MIDN. 5	1. 22E-50	-0. 46968	0. 178	0. 435	1. 83E-46	monocyte	MIDN
ILF2. 5	1. 96E-50	-0. 26471	0. 304	0. 598	2. 92E-46	monocyte	ILF2
FAM181B. 7	1. 97E-50	-0. 58856	0. 017	0. 22	2. 95E-46	monocyte	FAM181B
MAGEH1. 7	2. 67E-50	-0. 4528	0. 092	0. 338	4. 00E-46	monocyte	MAGEH1
FNDC4. 6	2. 98E-50	-0. 46523	0. 013	0. 215	4. 46E-46	monocyte	FNDC4

ARL11.7	3.11E-50	0.358097	0.128	0.031	4.65E-46	monocyte	ARL11
PAICS.7	3.23E-50	-0.42197	0.084	0.328	4.82E-46	monocyte	PAICS
SLC29A3.4	3.43E-50	0.348758	0.139	0.036	5.13E-46	monocyte	SLC29A3
TMEM173.8	3.54E-50	0.517326	0.279	0.113	5.28E-46	monocyte	TMEM173
MAPK10.7	3.73E-50	-0.51949	0.01	0.211	5.58E-46	monocyte	MAPK10
SEMA6A.6	3.86E-50	-0.4896	0.015	0.216	5.77E-46	monocyte	SEMA6A
KCNQ2.7	3.87E-50	-0.53301	0.024	0.232	5.78E-46	monocyte	KCNQ2
GPR65.8	4.86E-50	0.541251	0.292	0.119	7.26E-46	monocyte	GPR65
C8orf4.7	5.45E-50	-0.79246	0.03	0.245	8.15E-46	monocyte	C8orf4
CCND2.8	5.66E-50	-0.51587	0.101	0.347	8.45E-46	monocyte	CCND2
POLR2I.5	7.85E-50	-0.38257	0.3	0.575	1.17E-45	monocyte	POLR2I
CALM1.8	7.94E-50	-0.30565	0.554	0.791	1.19E-45	monocyte	CALM1
UBE2V2.6	8.86E-50	-0.3177	0.235	0.518	1.32E-45	monocyte	UBE2V2
MRFAP1.7	9.36E-50	-0.30731	0.412	0.694	1.40E-45	monocyte	MRFAP1
KLHL7.6	1.10E-49	-0.49861	0.069	0.298	1.64E-45	monocyte	KLHL7
GIMAP6.6	1.25E-49	0.352776	0.136	0.034	1.87E-45	monocyte	GIMAP6
TAGLN3.7	1.31E-49	-0.66226	0.007	0.204	1.96E-45	monocyte	TAGLN3
FUOM.8	1.45E-49	0.540857	0.295	0.127	2.16E-45	monocyte	FUOM
NAP1L4.6	1.60E-49	-0.34931	0.158	0.425	2.39E-45	monocyte	NAP1L4
APBA2.8	1.62E-49	-0.46726	0.019	0.223	2.43E-45	monocyte	APBA2
IL13RA1.8	1.93E-49	0.574011	0.423	0.234	2.89E-45	monocyte	IL13RA1
SLC11A1.8	2.00E-49	0.548477	0.516	0.286	2.99E-45	monocyte	SLC11A1
ANXA11.8	2.10E-49	0.581723	0.382	0.201	3.14E-45	monocyte	ANXA11
CYFIP1.7	2.26E-49	0.703988	0.445	0.269	3.37E-45	monocyte	CYFIP1
MKNK1.7	2.51E-49	0.615478	0.332	0.156	3.76E-45	monocyte	MKNK1
ABI2.6	2.54E-49	-0.41109	0.127	0.382	3.79E-45	monocyte	ABI2
PSMB7.4	2.98E-49	-0.29294	0.375	0.664	4.45E-45	monocyte	PSMB7
HPS1.7	3.02E-49	0.473709	0.253	0.098	4.51E-45	monocyte	HPS1
MYO6.6	3.32E-49	-0.4801	0.03	0.242	4.96E-45	monocyte	MYO6
OSTF1.8	5.48E-49	0.621323	0.473	0.275	8.20E-45	monocyte	OSTF1
MPLKIP.4	6.27E-49	-0.39055	0.194	0.467	9.36E-45	monocyte	MPLKIP
CLIC4.7	1.06E-48	-0.51814	0.117	0.351	1.58E-44	monocyte	CLIC4
SRP9.5	1.06E-48	-0.29122	0.438	0.702	1.59E-44	monocyte	SRP9
ETV1.8	1.18E-48	-0.58654	0.047	0.262	1.77E-44	monocyte	ETV1
CDC42EP4.1	1.56E-48	-0.53625	0.018	0.217	2.33E-44	monocyte	CDC42EP4
NCKAP1.6	1.57E-48	-0.42446	0.009	0.204	2.35E-44	monocyte	NCKAP1
GDI1.7	1.66E-48	-0.36737	0.234	0.508	2.49E-44	monocyte	GDI1
SMCO4.8	1.80E-48	0.569917	0.282	0.119	2.69E-44	monocyte	SMCO4
SCAMP2.8	1.91E-48	0.666631	0.529	0.361	2.85E-44	monocyte	SCAMP2
IFI44L.4	2.58E-48	0.615699	0.293	0.128	3.85E-44	monocyte	IFI44L
ARC.6	2.73E-48	-0.64913	0.023	0.224	4.09E-44	monocyte	ARC
GPR35.1	3.05E-48	0.146721	0.074	0.011	4.57E-44	monocyte	GPR35
TLR1.8	3.16E-48	0.412594	0.182	0.058	4.72E-44	monocyte	TLR1
KCNQ10T1.3	3.72E-48	-0.55021	0.072	0.296	5.56E-44	monocyte	KCNQ10T1
FJX1.7	5.18E-48	-0.53627	0.02	0.218	7.73E-44	monocyte	FJX1
KCNE3.7	5.42E-48	0.228504	0.099	0.02	8.10E-44	monocyte	KCNE3
SLC16A3.8	5.69E-48	0.543503	0.507	0.304	8.50E-44	monocyte	SLC16A3
FAM92A1.6	6.33E-48	-0.47096	0.019	0.217	9.46E-44	monocyte	FAM92A1
RHOB.5	6.79E-48	-0.35723	0.34	0.633	1.01E-43	monocyte	RHOB
LARP6.6	7.52E-48	-0.5112	0.014	0.209	1.12E-43	monocyte	LARP6
PCDH17.6	7.86E-48	-0.46423	0.013	0.207	1.17E-43	monocyte	PCDH17

KIF3A. 6	8. 26E-48	-0. 49403	0. 04	0. 251	1. 23E-43	monocyte	KIF3A
C1R. 8	8. 36E-48	-0. 75066	0. 027	0. 232	1. 25E-43	monocyte	C1R
RMRP	9. 41E-48	0. 403588	0. 076	0. 012	1. 41E-43	monocyte	RMRP
NCF2. 8	9. 67E-48	0. 481928	0. 238	0. 089	1. 44E-43	monocyte	NCF2
ASCL1. 7	9. 68E-48	-0. 60207	0. 009	0. 201	1. 45E-43	monocyte	ASCL1
DHRS9. 4	1. 10E-47	0. 525291	0. 089	0. 017	1. 64E-43	monocyte	DHRS9
BCHE. 5	1. 33E-47	-0. 51042	0. 01	0. 202	1. 99E-43	monocyte	BCHE
TBCA. 7	1. 37E-47	-0. 26429	0. 477	0. 731	2. 05E-43	monocyte	TBCA
DENND3. 8	1. 43E-47	0. 529966	0. 233	0. 089	2. 14E-43	monocyte	DENND3
SELK. 5	1. 47E-47	-0. 2141	0. 429	0. 725	2. 20E-43	monocyte	SELK
CADM2. 7	1. 49E-47	-0. 57712	0. 011	0. 204	2. 23E-43	monocyte	CADM2
SLAIN1. 8	1. 51E-47	-0. 50788	0. 02	0. 219	2. 25E-43	monocyte	SLAIN1
EPN2. 7	1. 57E-47	-0. 42109	0. 041	0. 254	2. 35E-43	monocyte	EPN2
MEX3A. 7	1. 71E-47	-0. 49573	0. 005	0. 193	2. 56E-43	monocyte	MEX3A
F3. 8	1. 92E-47	-0. 57175	0. 016	0. 207	2. 87E-43	monocyte	F3
MAD2L2. 6	2. 09E-47	-0. 46045	0. 164	0. 413	3. 12E-43	monocyte	MAD2L2
MAGI1. 8	3. 11E-47	-0. 50657	0. 018	0. 213	4. 64E-43	monocyte	MAGI1
CCDC28B. 7	4. 12E-47	-0. 49087	0. 033	0. 235	6. 16E-43	monocyte	CCDC28B
KMT2E. 6	5. 02E-47	-0. 31973	0. 284	0. 56	7. 51E-43	monocyte	KMT2E
TCTEX1D2. 5	5. 35E-47	-0. 50702	0. 039	0. 244	8. 00E-43	monocyte	TCTEX1D2
CHD7. 8	6. 05E-47	-0. 44729	0. 079	0. 307	9. 04E-43	monocyte	CHD7
BIN1. 6	6. 15E-47	0. 62198	0. 517	0. 347	9. 19E-43	monocyte	BIN1
CLIP3. 7	6. 47E-47	-0. 44536	0. 017	0. 213	9. 67E-43	monocyte	CLIP3
MAPK8IP1. 9	9. 39E-47	-0. 43908	0. 014	0. 207	1. 40E-42	monocyte	MAPK8IP1
HERPUD1. 6	9. 65E-47	0. 56589	0. 743	0. 633	1. 44E-42	monocyte	HERPUD1
DKK3. 6	1. 33E-46	-0. 43662	0. 02	0. 215	1. 99E-42	monocyte	DKK3
HIST1H4C. 1	4. 1E-46	-0. 406	0. 197	0. 445	2. 11E-42	monocyte	HIST1H4C
MYL12A. 7	1. 57E-46	0. 53548	0. 672	0. 532	2. 34E-42	monocyte	MYL12A
PABPC1. 6	2. 06E-46	0. 443347	0. 775	0. 742	3. 08E-42	monocyte	PABPC1
RPS6KA1. 8	2. 45E-46	0. 598876	0. 275	0. 118	3. 67E-42	monocyte	RPS6KA1
EFEMP2. 5	3. 06E-46	-0. 47482	0. 031	0. 23	4. 57E-42	monocyte	EFEMP2
SLAMF8. 8	3. 33E-46	0. 394086	0. 172	0. 054	4. 98E-42	monocyte	SLAMF8
BTK. 8	4. 12E-46	0. 488608	0. 21	0. 075	6. 15E-42	monocyte	BTK
NDUFS5. 6	4. 69E-46	-0. 2254	0. 595	0. 83	7. 02E-42	monocyte	NDUFS5
ADCY7. 8	5. 03E-46	0. 436335	0. 17	0. 054	7. 51E-42	monocyte	ADCY7
SAMHD1. 8	5. 74E-46	0. 581287	0. 377	0. 2	8. 58E-42	monocyte	SAMHD1
CLECL1. 7	5. 88E-46	0. 394594	0. 141	0. 039	8. 79E-42	monocyte	CLECL1
SUB1. 6	6. 57E-46	-0. 23772	0. 548	0. 775	9. 82E-42	monocyte	SUB1
MERTK. 7	6. 72E-46	0. 604788	0. 265	0. 112	1. 00E-41	monocyte	MERTK
TLR2. 8	7. 50E-46	0. 555696	0. 248	0. 099	1. 12E-41	monocyte	TLR2
GPRC5B. 6	7. 79E-46	-0. 49956	0. 034	0. 235	1. 16E-41	monocyte	GPRC5B
NHP2. 5	8. 55E-46	-0. 29772	0. 327	0. 602	1. 28E-41	monocyte	NHP2
TSPAN13. 8	8. 70E-46	-0. 50143	0. 088	0. 318	1. 30E-41	monocyte	TSPAN13
MARCH1. 8	9. 98E-46	0. 524991	0. 352	0. 176	1. 49E-41	monocyte	1-Mar
DCLK2. 8	1. 07E-45	-0. 44845	0. 02	0. 212	1. 60E-41	monocyte	DCLK2
SQLE. 6	1. 59E-45	-0. 44704	0. 055	0. 266	2. 38E-41	monocyte	SQLE
PSAT1. 7	1. 68E-45	-0. 53633	0. 024	0. 219	2. 51E-41	monocyte	PSAT1
AP000439. 1	1. 70E-45	0. 455096	0. 097	0. 02	2. 54E-41	monocyte	AP000439. 1
OAS1. 5	1. 82E-45	0. 619393	0. 277	0. 119	2. 72E-41	monocyte	OAS1
MBOAT2. 7	2. 00E-45	-0. 44007	0. 011	0. 197	2. 98E-41	monocyte	MBOAT2
ACOT7. 7	2. 24E-45	-0. 46076	0. 042	0. 243	3. 34E-41	monocyte	ACOT7

PYCR1. 4	2. 25E-45	-0. 4405	0. 014	0. 2	3. 37E-41	monocyte	PYCR1
CAMLG. 7	2. 52E-45	-0. 28898	0. 248	0. 516	3. 77E-41	monocyte	CAMLG
PRR7. 8	2. 73E-45	-0. 39177	0. 016	0. 203	4. 08E-41	monocyte	PRR7
GM2A. 7	3. 29E-45	0. 595795	0. 284	0. 131	4. 91E-41	monocyte	GM2A
LINC00665	3. 54E-45	-0. 4675	0. 015	0. 201	5. 28E-41	monocyte	LINC00665
HINT1. 4	3. 87E-45	-0. 23676	0. 612	0. 847	5. 79E-41	monocyte	HINT1
POLR2J. 4	3. 88E-45	-0. 35239	0. 392	0. 666	5. 80E-41	monocyte	POLR2J
ACAP3. 8	4. 32E-45	-0. 45435	0. 032	0. 232	6. 46E-41	monocyte	ACAP3
DLGAP4. 5	4. 34E-45	-0. 43875	0. 09	0. 311	6. 49E-41	monocyte	DLGAP4
TMEM45A. 4	4. 48E-45	-0. 55244	0. 008	0. 191	6. 70E-41	monocyte	TMEM45A
CHPF. 6	4. 51E-45	-0. 4569	0. 067	0. 276	6. 74E-41	monocyte	CHPF
RDX. 7	4. 65E-45	-0. 40284	0. 262	0. 511	6. 95E-41	monocyte	RDX
FAIM2. 7	4. 99E-45	-0. 49974	0. 018	0. 206	7. 45E-41	monocyte	FAIM2
GTF2I. 7	5. 76E-45	-0. 46427	0. 208	0. 446	8. 60E-41	monocyte	GTF2I
ZNF462. 8	5. 88E-45	-0. 48308	0. 009	0. 192	8. 79E-41	monocyte	ZNF462
WDR34. 5	6. 15E-45	-0. 40233	0. 027	0. 223	9. 19E-41	monocyte	WDR34
CTSL. 8	6. 33E-45	0. 643274	0. 643	0. 513	9. 47E-41	monocyte	CTSL
PALD1. 7	6. 51E-45	0. 545075	0. 23	0. 09	9. 72E-41	monocyte	PALD1
KLC1. 8	6. 58E-45	-0. 37925	0. 139	0. 379	9. 84E-41	monocyte	KLC1
DNAJB2. 7	1. 08E-44	-0. 45252	0. 105	0. 333	1. 61E-40	monocyte	DNAJB2
ATP1B2. 8	1. 10E-44	-0. 51636	0. 048	0. 249	1. 64E-40	monocyte	ATP1B2
ENC1. 8	1. 26E-44	-0. 54199	0. 043	0. 24	1. 88E-40	monocyte	ENC1
BCAS2. 3	1. 48E-44	-0. 24368	0. 214	0. 485	2. 21E-40	monocyte	BCAS2
PHGDH. 7	1. 55E-44	-0. 56749	0. 024	0. 215	2. 31E-40	monocyte	PHGDH
TNC. 7	1. 57E-44	-0. 59495	0. 026	0. 216	2. 34E-40	monocyte	TNC
CMTM7. 8	2. 16E-44	0. 520201	0. 317	0. 151	3. 24E-40	monocyte	CMTM7
NCBP2. 6	2. 47E-44	-0. 36343	0. 203	0. 462	3. 69E-40	monocyte	NCBP2
FLI1. 8	2. 49E-44	0. 400137	0. 148	0. 043	3. 73E-40	monocyte	FLI1
SLC39A6. 6	2. 54E-44	-0. 32384	0. 118	0. 347	3. 80E-40	monocyte	SLC39A6
AGT. 6	2. 85E-44	-0. 65768	0. 04	0. 236	4. 25E-40	monocyte	AGT
PPP1R14B. 3	2. 21E-44	-0. 49312	0. 142	0. 363	4. 80E-40	monocyte	PPP1R14B
RENBP. 7	3. 33E-44	0. 505617	0. 282	0. 122	4. 98E-40	monocyte	RENBP
CD81. 7	3. 37E-44	0. 589021	0. 571	0. 427	5. 03E-40	monocyte	CD81
CXADR. 8	3. 37E-44	-0. 46436	0. 102	0. 325	5. 04E-40	monocyte	CXADR
MAGEF1. 7	3. 65E-44	-0. 38606	0. 139	0. 383	5. 46E-40	monocyte	MAGEF1
RCAN1. 7	3. 99E-44	-0. 57659	0. 075	0. 285	5. 96E-40	monocyte	RCAN1
MX1. 5	4. 49E-44	0. 586822	0. 255	0. 108	6. 71E-40	monocyte	MX1
MAP9. 6	4. 70E-44	-0. 44771	0. 019	0. 204	7. 02E-40	monocyte	MAP9
WHSC1L1. 7	4. 75E-44	-0. 41734	0. 151	0. 392	7. 10E-40	monocyte	WHSC1L1
DPEP2. 6	4. 78E-44	0. 29669	0. 112	0. 027	7. 15E-40	monocyte	DPEP2
PTRF. 8	5. 14E-44	-0. 4689	0. 017	0. 2	7. 68E-40	monocyte	PTRF
ZNHIT1. 2	5. 57E-44	-0. 22679	0. 399	0. 674	8. 32E-40	monocyte	ZNHIT1
STOM. 7	5. 78E-44	0. 655255	0. 413	0. 237	8. 64E-40	monocyte	STOM
EIF4G2. 7	5. 92E-44	-0. 26731	0. 433	0. 679	8. 85E-40	monocyte	EIF4G2
TMSB15A. 8	6. 32E-44	-0. 5391	0. 013	0. 193	9. 44E-40	monocyte	TMSB15A
DNASE2. 6	6. 32E-44	0. 613222	0. 515	0. 372	9. 44E-40	monocyte	DNASE2
CD180. 7	6. 43E-44	0. 2851	0. 118	0. 029	9. 61E-40	monocyte	CD180
GIMAP8. 2	6. 81E-44	0. 218906	0. 077	0. 014	1. 02E-39	monocyte	GIMAP8
LSAMP. 6	7. 96E-44	-0. 53834	0. 008	0. 187	1. 19E-39	monocyte	LSAMP
RAB2A. 5	7. 97E-44	-0. 35126	0. 341	0. 613	1. 19E-39	monocyte	RAB2A
SPAG16. 8	9. 10E-44	-0. 42434	0. 093	0. 314	1. 36E-39	monocyte	SPAG16

MIAT. 7	1. 03E-43	-0. 55313	0. 006	0. 182	1. 54E-39	monocyte	MIAT
SH3BGRL. 5	1. 04E-43	0. 527769	0. 706	0. 643	1. 55E-39	monocyte	SH3BGRL
SASH3. 8	1. 09E-43	0. 431817	0. 194	0. 068	1. 63E-39	monocyte	SASH3
BCAR1. 6	1. 12E-43	-0. 39569	0. 008	0. 186	1. 67E-39	monocyte	BCAR1
PGAP1. 7	1. 14E-43	-0. 39759	0. 016	0. 198	1. 70E-39	monocyte	PGAP1
TMEM9. 8	1. 18E-43	-0. 35695	0. 145	0. 387	1. 77E-39	monocyte	TMEM9
H1FX. 7	1. 24E-43	-0. 40606	0. 163	0. 404	1. 86E-39	monocyte	H1FX
SSBP2. 7	1. 26E-43	-0. 33818	0. 069	0. 288	1. 88E-39	monocyte	SSBP2
GRIA3. 6	1. 67E-43	-0. 41648	0. 007	0. 183	2. 50E-39	monocyte	GRIA3
NDN. 8	1. 67E-43	-0. 42872	0. 024	0. 212	2. 50E-39	monocyte	NDN
ARHGAP15. 1	1. 86E-43	0. 463828	0. 223	0. 086	2. 78E-39	monocyte	ARHGAP15
VMO1. 7	2. 05E-43	0. 565136	0. 314	0. 146	3. 07E-39	monocyte	VMO1
NR2F1. 5	2. 11E-43	-0. 39228	0. 005	0. 18	3. 16E-39	monocyte	NR2F1
AKAP12. 8	2. 58E-43	-0. 54241	0. 02	0. 202	3. 85E-39	monocyte	AKAP12
VGLL4. 5	2. 68E-43	-0. 33302	0. 11	0. 336	4. 01E-39	monocyte	VGLL4
ACTN4. 5	2. 80E-43	-0. 43173	0. 123	0. 351	4. 18E-39	monocyte	ACTN4
PGRMC1. 6	2. 88E-43	-0. 3789	0. 215	0. 468	4. 30E-39	monocyte	PGRMC1
PHYHIPL. 6	2. 94E-43	-0. 57418	0. 018	0. 2	4. 39E-39	monocyte	PHYHIPL
NSG1. 8	3. 18E-43	-0. 69918	0. 013	0. 19	4. 75E-39	monocyte	NSG1
CA2. 6	3. 31E-43	-0. 71231	0. 048	0. 241	4. 95E-39	monocyte	CA2
IFI30. 8	3. 46E-43	0. 481896	0. 403	0. 203	5. 17E-39	monocyte	IFI30
AK4. 7	3. 50E-43	-0. 45961	0. 015	0. 194	5. 23E-39	monocyte	AK4
COL9A3. 8	3. 64E-43	-0. 5535	0. 02	0. 201	5. 44E-39	monocyte	COL9A3
SOX8. 8	3. 75E-43	-0. 51074	0. 013	0. 192	5. 60E-39	monocyte	SOX8
KCNMB1. 7	3. 90E-43	0. 567409	0. 229	0. 091	5. 84E-39	monocyte	KCNMB1
CD40. 8	4. 12E-43	0. 432241	0. 173	0. 058	6. 15E-39	monocyte	CD40
MANBAL. 8	4. 68E-43	-0. 41339	0. 126	0. 353	6. 99E-39	monocyte	MANBAL
ZEB1. 7	4. 87E-43	-0. 41204	0. 022	0. 208	7. 28E-39	monocyte	ZEB1
BNIP3. 6	4. 89E-43	-0. 5548	0. 039	0. 231	7. 31E-39	monocyte	BNIP3
PRKCD. 7	5. 23E-43	0. 440096	0. 194	0. 07	7. 81E-39	monocyte	PRKCD
LTBR. 8	6. 19E-43	0. 462531	0. 219	0. 084	9. 24E-39	monocyte	LTBR
CCL13. 1	6. 70E-43	0. 105091	0. 046	0. 005	1. 00E-38	monocyte	CCL13
RP11-1094	7. 52E-43	-0. 34863	0. 049	0. 251	1. 12E-38	monocyte	RP11-1094M14. 11
TAGLN2. 8	8. 44E-43	-0. 39945	0. 302	0. 533	1. 26E-38	monocyte	TAGLN2
DCTN3. 2	8. 91E-43	-0. 32181	0. 28	0. 537	1. 33E-38	monocyte	DCTN3
HMHA1. 8	1. 03E-42	0. 423803	0. 241	0. 097	1. 54E-38	monocyte	HMHA1
FUCA1. 6	1. 04E-42	0. 646737	0. 358	0. 208	1. 55E-38	monocyte	FUCA1
HRAS. 7	1. 06E-42	-0. 40134	0. 096	0. 311	1. 59E-38	monocyte	HRAS
OLA1. 3	1. 09E-42	-0. 36892	0. 256	0. 509	1. 63E-38	monocyte	OLA1
TMSB15B. 7	1. 21E-42	-0. 44284	0. 017	0. 196	1. 81E-38	monocyte	TMSB15B
SPOCD1. 6	1. 51E-42	-0. 66032	0. 042	0. 233	2. 25E-38	monocyte	SPOCD1
HILPDA. 7	1. 51E-42	-0. 56119	0. 045	0. 243	2. 26E-38	monocyte	HILPDA
JUND. 6	1. 70E-42	-0. 36605	0. 173	0. 419	2. 54E-38	monocyte	JUND
PTS. 7	1. 70E-42	-0. 32892	0. 119	0. 345	2. 54E-38	monocyte	PTS
BOD1. 7	1. 92E-42	-0. 35261	0. 1	0. 321	2. 87E-38	monocyte	BOD1
COPS6. 5	2. 13E-42	-0. 28448	0. 355	0. 626	3. 18E-38	monocyte	COPS6
ASCL2. 7	2. 29E-42	0. 34473	0. 117	0. 03	3. 43E-38	monocyte	ASCL2
COTL1. 7	2. 48E-42	0. 50369	0. 614	0. 5	3. 71E-38	monocyte	COTL1
LACC1. 4	2. 49E-42	0. 237846	0. 111	0. 027	3. 72E-38	monocyte	LACC1
FAM134B. 6	2. 53E-42	-0. 4191	0. 007	0. 179	3. 77E-38	monocyte	FAM134B
SCOC. 7	2. 74E-42	-0. 32283	0. 189	0. 434	4. 09E-38	monocyte	SCOC



VAV1. 8	2. 91E-42	0. 404839	0. 185	0. 064	4. 35E-38	monocyte	VAV1
FAM200B. 5	3. 05E-42	-0. 35561	0. 153	0. 385	4. 55E-38	monocyte	FAM200B
NRXN1. 7	3. 26E-42	-0. 59167	0. 006	0. 177	4. 87E-38	monocyte	NRXN1
SMAD1. 5	3. 29E-42	-0. 41395	0. 016	0. 192	4. 91E-38	monocyte	SMAD1
CD48. 8	3. 59E-42	0. 337529	0. 193	0. 068	5. 36E-38	monocyte	CD48
MED10. 7	4. 82E-42	-0. 27041	0. 245	0. 505	7. 20E-38	monocyte	MED10
SLC29A1. 7	4. 90E-42	0. 537403	0. 278	0. 125	7. 32E-38	monocyte	SLC29A1
CCT2. 3	5. 55E-42	-0. 36809	0. 31	0. 566	8. 30E-38	monocyte	CCT2
EI24. 5	5. 97E-42	-0. 33251	0. 211	0. 453	8. 92E-38	monocyte	EI24
ARL4C. 6	6. 23E-42	-0. 4608	0. 171	0. 397	9. 32E-38	monocyte	ARL4C
NT5C3A. 6	6. 60E-42	-0. 41796	0. 096	0. 312	9. 87E-38	monocyte	NT5C3A
BCAN. 8	6. 74E-42	-0. 69372	0. 09	0. 292	1. 01E-37	monocyte	BCAN
PUF60. 5	6. 82E-42	-0. 26727	0. 295	0. 563	1. 02E-37	monocyte	PUF60
DHRS7. 6	6. 87E-42	0. 605057	0. 654	0. 548	1. 03E-37	monocyte	DHRS7
BMP2K. 6	7. 65E-42	0. 440947	0. 247	0. 105	1. 14E-37	monocyte	BMP2K
ROBO1. 8	7. 87E-42	-0. 42709	0. 017	0. 192	1. 18E-37	monocyte	ROBO1
CRNDE. 3	9. 10E-42	-0. 41591	0. 017	0. 193	1. 36E-37	monocyte	CRNDE
TCEAL2. 6	9. 19E-42	-0. 58148	0. 017	0. 194	1. 37E-37	monocyte	TCEAL2
STRA13. 3	9. 36E-42	-0. 23406	0. 216	0. 472	1. 40E-37	monocyte	STRA13
UPF3A. 7	1. 01E-41	-0. 35233	0. 133	0. 364	1. 51E-37	monocyte	UPF3A
PRRX1. 8	1. 15E-41	-0. 43729	0. 013	0. 185	1. 72E-37	monocyte	PRRX1
YWHAG. 7	1. 16E-41	-0. 4174	0. 174	0. 41	1. 74E-37	monocyte	YWHAG
ITGB8. 6	1. 17E-41	-0. 41469	0. 057	0. 256	1. 74E-37	monocyte	ITGB8
RGMA. 7	1. 23E-41	-0. 48831	0. 032	0. 215	1. 83E-37	monocyte	RGMA
MATR3. 7	1. 32E-41	-0. 34266	0. 248	0. 508	1. 97E-37	monocyte	MATR3
EID1. 5	1. 74E-41	-0. 25614	0. 474	0. 728	2. 60E-37	monocyte	EID1
F2R. 8	1. 77E-41	-0. 37919	0. 01	0. 183	2. 64E-37	monocyte	F2R
TMEM14A. 7	2. 96E-41	-0. 37898	0. 12	0. 342	4. 43E-37	monocyte	TMEM14A
AKR1A1. 6	3. 63E-41	0. 60312	0. 594	0. 489	5. 43E-37	monocyte	AKR1A1
AP1B1. 8	4. 05E-41	0. 561429	0. 41	0. 245	6. 06E-37	monocyte	AP1B1
DPYSL4. 8	4. 17E-41	-0. 38462	0. 003	0. 168	6. 23E-37	monocyte	DPYSL4
SNTG1. 7	5. 64E-41	-0. 53813	0. 003	0. 167	8. 43E-37	monocyte	SNTG1
IGFBP7. 6	5. 67E-41	-0. 69381	0. 091	0. 285	8. 48E-37	monocyte	IGFBP7
MAP4. 5	5. 83E-41	-0. 37859	0. 126	0. 353	8. 72E-37	monocyte	MAP4
HSD11B1L. 6	6. 17E-41	-0. 37061	0. 035	0. 22	9. 22E-37	monocyte	HSD11B1L
BAD. 5	7. 31E-41	-0. 30655	0. 195	0. 437	1. 09E-36	monocyte	BAD
RP11-557H	7. 32E-41	0. 298498	0. 094	0. 021	1. 09E-36	monocyte	RP11-557H15. 4
MT1F. 7	7. 91E-41	-0. 52571	0. 111	0. 322	1. 18E-36	monocyte	MT1F
RGS17. 6	8. 47E-41	-0. 42547	0. 008	0. 176	1. 27E-36	monocyte	RGS17
PTCRA. 4	9. 42E-41	0. 30274	0. 086	0. 018	1. 41E-36	monocyte	PTCRA
ARHGAP30. 1	0. 9E-40	0. 425921	0. 216	0. 083	1. 63E-36	monocyte	ARHGAP30
DOCK8. 8	1. 22E-40	0. 427183	0. 257	0. 109	1. 83E-36	monocyte	DOCK8
OLIG2. 7	1. 43E-40	-0. 56032	0. 02	0. 192	2. 14E-36	monocyte	OLIG2
RP11-489C	1. 49E-40	0. 425928	0. 096	0. 022	2. 22E-36	monocyte	RP11-489018. 1
MCM7. 7	1. 56E-40	-0. 44121	0. 07	0. 271	2. 34E-36	monocyte	MCM7
HVCN1. 7	1. 62E-40	0. 436724	0. 216	0. 086	2. 42E-36	monocyte	HVCN1
ATP6VOE1. 1	1. 69E-40	0. 440477	0. 787	0. 758	2. 52E-36	monocyte	ATP6VOE1
BTG3. 5	1. 94E-40	-0. 30144	0. 16	0. 39	2. 90E-36	monocyte	BTG3
PLBD1. 8	2. 19E-40	0. 421674	0. 214	0. 084	3. 27E-36	monocyte	PLBD1
VIM. 6	2. 28E-40	-0. 40097	0. 526	0. 676	3. 41E-36	monocyte	VIM
IRF5. 8	2. 46E-40	0. 399918	0. 156	0. 05	3. 68E-36	monocyte	IRF5

ELOF1. 5	2. 51E-40	-0. 4013	0. 21	0. 442	3. 75E-36	monocyte	ELOF1
RP11-161M	2. 61E-40	-0. 48588	0. 011	0. 18	3. 90E-36	monocyte	RP11-161M6. 2
PSMB5. 5	2. 66E-40	-0. 23528	0. 352	0. 616	3. 97E-36	monocyte	PSMB5
GAA. 7	2. 90E-40	0. 56871	0. 46	0. 307	4. 34E-36	monocyte	GAA
C4orf27. 6	2. 98E-40	-0. 37636	0. 117	0. 336	4. 45E-36	monocyte	C4orf27
ARHGAP4. 8	3. 23E-40	0. 490703	0. 245	0. 104	4. 83E-36	monocyte	ARHGAP4
HLA-DQB2. 3	3. 58E-40	0. 711609	0. 216	0. 087	5. 35E-36	monocyte	HLA-DQB2
MYEF2. 7	3. 61E-40	-0. 33388	0. 028	0. 208	5. 40E-36	monocyte	MYEF2
CTXN1. 8	3. 73E-40	-0. 36099	0. 008	0. 173	5. 58E-36	monocyte	CTXN1
VEGFA. 5	4. 58E-40	-0. 56715	0. 046	0. 231	6. 84E-36	monocyte	VEGFA
TGFBI. 8	5. 45E-40	0. 452612	0. 375	0. 19	8. 15E-36	monocyte	TGFBI
TRPM2. 8	5. 90E-40	0. 335807	0. 143	0. 044	8. 81E-36	monocyte	TRPM2
NPAS3. 8	6. 45E-40	-0. 40103	0. 008	0. 172	9. 64E-36	monocyte	NPAS3
MAP3K13. 5	6. 45E-40	-0. 33284	0. 178	0. 413	9. 64E-36	monocyte	MAP3K13
KLHL23. 8	6. 64E-40	-0. 41295	0. 009	0. 174	9. 92E-36	monocyte	KLHL23
CHCHD2. 6	7. 03E-40	-0. 17655	0. 707	0. 895	1. 05E-35	monocyte	CHCHD2
HES4. 7	9. 01E-40	-0. 44052	0. 027	0. 201	1. 35E-35	monocyte	HES4
ERI3. 5	1. 02E-39	-0. 27513	0. 154	0. 388	1. 52E-35	monocyte	ERI3
ENG. 8	1. 18E-39	0. 526213	0. 313	0. 152	1. 76E-35	monocyte	ENG
PLOD2. 6	1. 20E-39	-0. 3983	0. 01	0. 175	1. 80E-35	monocyte	PLOD2
POU3F3. 7	1. 29E-39	-0. 39533	0. 006	0. 167	1. 93E-35	monocyte	POU3F3
APBB1. 7	1. 32E-39	-0. 46949	0. 029	0. 204	1. 97E-35	monocyte	APBB1
LYPD1. 6	1. 61E-39	-0. 44027	0. 032	0. 21	2. 40E-35	monocyte	LYPD1
ALDH7A1. 3	1. 65E-39	-0. 40516	0. 086	0. 292	2. 46E-35	monocyte	ALDH7A1
SEPT9. 4	1. 66E-39	-0. 45279	0. 151	0. 358	2. 48E-35	monocyte	9-Sep
BMP7. 8	2. 13E-39	-0. 4036	0. 014	0. 179	3. 19E-35	monocyte	BMP7
DPYSL5. 8	2. 15E-39	-0. 35581	0. 011	0. 176	3. 21E-35	monocyte	DPYSL5
UBA2. 5	2. 77E-39	-0. 33334	0. 147	0. 377	4. 14E-35	monocyte	UBA2
OLIG1. 8	2. 86E-39	-0. 6761	0. 024	0. 194	4. 28E-35	monocyte	OLIG1
RNF180. 7	3. 02E-39	-0. 38467	0. 015	0. 181	4. 52E-35	monocyte	RNF180
NDRG4. 8	3. 29E-39	-0. 40762	0. 01	0. 173	4. 92E-35	monocyte	NDRG4
HSD17B10. 3	3. 55E-39	-0. 35164	0. 265	0. 516	5. 30E-35	monocyte	HSD17B10
CDC42BPA. 3	3. 55E-39	-0. 38591	0. 022	0. 193	5. 31E-35	monocyte	CDC42BPA
MFF. 3	3. 56E-39	-0. 31017	0. 261	0. 509	5. 32E-35	monocyte	MFF
HOPX. 7	3. 67E-39	-0. 85381	0. 115	0. 297	5. 48E-35	monocyte	HOPX
CASP1. 7	3. 68E-39	0. 560633	0. 379	0. 212	5. 50E-35	monocyte	CASP1
C7orf55-L	4. 00E-39	-0. 36493	0. 136	0. 357	5. 98E-35	monocyte	C7orf55-LUC7L2
RP11-14N7	4. 10E-39	-0. 4145	0. 039	0. 219	6. 13E-35	monocyte	RP11-14N7. 2
TTC19. 6	4. 27E-39	-0. 31222	0. 146	0. 374	6. 39E-35	monocyte	TTC19
RGS18. 8	4. 31E-39	0. 435626	0. 142	0. 044	6. 44E-35	monocyte	RGS18
SEPT11. 7	4. 41E-39	-0. 36398	0. 11	0. 32	6. 59E-35	monocyte	11-Sep
PDCD5. 6	4. 72E-39	-0. 33514	0. 31	0. 56	7. 05E-35	monocyte	PDCD5
UBE2H. 7	4. 90E-39	-0. 36807	0. 076	0. 275	7. 32E-35	monocyte	UBE2H
CKS2. 8	4. 96E-39	-0. 26007	0. 164	0. 384	7. 41E-35	monocyte	CKS2
FSD1. 7	5. 32E-39	-0. 36734	0. 007	0. 168	7. 94E-35	monocyte	FSD1
OLFM2. 6	5. 45E-39	-0. 47012	0. 03	0. 206	8. 14E-35	monocyte	OLFM2
JUN. 5	5. 96E-39	-0. 3667	0. 47	0. 69	8. 90E-35	monocyte	JUN
MOB4. 5	5. 98E-39	-0. 25635	0. 156	0. 391	8. 94E-35	monocyte	MOB4
SHISA4. 6	7. 04E-39	-0. 43014	0. 069	0. 262	1. 05E-34	monocyte	SHISA4
CHTOP. 5	7. 39E-39	-0. 36598	0. 156	0. 385	1. 11E-34	monocyte	CHTOP
C8orf33. 4	8. 53E-39	-0. 33289	0. 119	0. 336	1. 27E-34	monocyte	C8orf33

ARL16.5	8.97E-39	-0.3334	0.118	0.337	1.34E-34	monocyte	ARL16
PHAX.5	9.16E-39	-0.36595	0.109	0.323	1.37E-34	monocyte	PHAX
GPR160.3	9.22E-39	0.198981	0.088	0.019	1.38E-34	monocyte	GPR160
DCAF13.5	9.29E-39	-0.35157	0.119	0.335	1.39E-34	monocyte	DCAF13
CDC34.7	9.71E-39	-0.39598	0.062	0.25	1.45E-34	monocyte	CDC34
NNAT.8	1.03E-38	-0.84247	0.038	0.21	1.54E-34	monocyte	NNAT
CMSS1.5	1.18E-38	-0.29186	0.096	0.307	1.77E-34	monocyte	CMSS1
TXN.6	1.20E-38	-0.27332	0.436	0.687	1.79E-34	monocyte	TXN
FLNA.6	1.36E-38	-0.46027	0.077	0.266	2.03E-34	monocyte	FLNA
ASNS.8	1.57E-38	-0.44543	0.022	0.191	2.35E-34	monocyte	ASNS
FAM49B.7	1.63E-38	0.518998	0.597	0.498	2.43E-34	monocyte	FAM49B
OLFM1.7	1.65E-38	-0.43159	0.006	0.163	2.47E-34	monocyte	OLFM1
CSTF3.5	1.71E-38	-0.33485	0.079	0.284	2.55E-34	monocyte	CSTF3
NELFCD.6	1.71E-38	-0.26545	0.135	0.355	2.56E-34	monocyte	NELFCD
PRMT1.4	1.91E-38	-0.26564	0.311	0.576	2.86E-34	monocyte	PRMT1
LDLRAD3.6	1.92E-38	-0.3643	0.021	0.189	2.88E-34	monocyte	LDLRAD3
PTPRA.6	2.01E-38	-0.3982	0.156	0.372	3.00E-34	monocyte	PTPRA
PPFIBP1.6	2.23E-38	-0.36549	0.009	0.169	3.33E-34	monocyte	PPFIBP1
ENHO.7	2.27E-38	-0.36587	0.006	0.163	3.39E-34	monocyte	ENHO
ZFHX4.7	2.36E-38	-0.36139	0.007	0.165	3.53E-34	monocyte	ZFHX4
AK1.5	2.50E-38	-0.31645	0.135	0.353	3.74E-34	monocyte	AK1
RP3-525N1	3.30E-38	-0.46518	0.006	0.163	4.93E-34	monocyte	RP3-525N10.2
TMEM132A.3	3.66E-38	-0.33122	0.003	0.157	5.47E-34	monocyte	TMEM132A
DRAXIN.7	4.06E-38	-0.36481	0.008	0.165	6.06E-34	monocyte	DRAXIN
TPGS2.4	4.12E-38	-0.41615	0.143	0.356	6.15E-34	monocyte	TPGS2
PSD3.7	4.16E-38	-0.33831	0.033	0.209	6.22E-34	monocyte	PSD3
STMN2.8	4.34E-38	-0.89165	0.033	0.2	6.48E-34	monocyte	STMN2
CRYBB1.6	4.89E-38	0.437937	0.121	0.034	7.30E-34	monocyte	CRYBB1
MYO10.7	5.01E-38	-0.41298	0.034	0.208	7.49E-34	monocyte	MYO10
TLE1.6	5.12E-38	-0.33322	0.018	0.183	7.65E-34	monocyte	TLE1
TSC22D4.8	5.12E-38	-0.50552	0.268	0.488	7.65E-34	monocyte	TSC22D4
HPSE.7	5.22E-38	0.451008	0.151	0.05	7.79E-34	monocyte	HPSE
NAIP.8	5.58E-38	0.473101	0.23	0.098	8.35E-34	monocyte	NAIP
ILF3-AS1.6	3.8E-38	-0.34539	0.112	0.327	9.53E-34	monocyte	ILF3-AS1
PEBP1.8	6.81E-38	-0.1585	0.614	0.821	1.02E-33	monocyte	PEBP1
NOC2L.6	7.15E-38	-0.35227	0.116	0.33	1.07E-33	monocyte	NOC2L
CARD9.8	7.71E-38	0.403295	0.169	0.06	1.15E-33	monocyte	CARD9
RAB42.5	7.73E-38	0.289507	0.135	0.042	1.15E-33	monocyte	RAB42
ARHGAP25.7	7.94E-38	0.388117	0.164	0.057	1.19E-33	monocyte	ARHGAP25
SMARCD3.7	8.20E-38	-0.39471	0.062	0.247	1.23E-33	monocyte	SMARCD3
TRIM24.8	8.49E-38	-0.3714	0.033	0.206	1.27E-33	monocyte	TRIM24
SPTAN1.6	8.51E-38	-0.38032	0.08	0.276	1.27E-33	monocyte	SPTAN1
DNAJA1.3	8.81E-38	-0.20623	0.396	0.649	1.32E-33	monocyte	DNAJA1
MEF2A.8	9.11E-38	0.576381	0.355	0.203	1.36E-33	monocyte	MEF2A
TGFBR1.8	9.15E-38	0.526784	0.294	0.15	1.37E-33	monocyte	TGFBR1
HSD17B11.1	1.01E-37	0.620748	0.524	0.364	1.50E-33	monocyte	HSD17B11
INPP5D.8	1.12E-37	0.456428	0.195	0.075	1.67E-33	monocyte	INPP5D
HEPACAM.7	1.19E-37	-0.50353	0.024	0.191	1.78E-33	monocyte	HEPACAM
KRT10.5	1.20E-37	-0.30582	0.334	0.578	1.80E-33	monocyte	KRT10
CAPN2.4	1.23E-37	-0.39766	0.077	0.268	1.83E-33	monocyte	CAPN2
C11orf49.1	1.25E-37	-0.30168	0.062	0.252	1.87E-33	monocyte	C11orf49

NBEAL1.5	1.40E-37	0.546889	0.735	0.659	2.09E-33	monocyte	NBEAL1
WDR60.5	1.41E-37	-0.33945	0.058	0.247	2.11E-33	monocyte	WDR60
GADD45A.8	1.41E-37	-0.48759	0.097	0.295	2.11E-33	monocyte	GADD45A
TIMP1.6	1.67E-37	-0.4614	0.427	0.638	2.50E-33	monocyte	TIMP1
JAM3.4	1.73E-37	-0.3866	0.007	0.162	2.59E-33	monocyte	JAM3
PXMP2.6	1.84E-37	-0.33581	0.054	0.238	2.75E-33	monocyte	PXMP2
SKA2.6	1.90E-37	-0.38709	0.118	0.323	2.83E-33	monocyte	SKA2
DEF6.8	1.98E-37	0.401053	0.205	0.081	2.96E-33	monocyte	DEF6
MYH10.6	2.05E-37	-0.37881	0.009	0.166	3.06E-33	monocyte	MYH10
WDR45B.4	2.14E-37	-0.3049	0.195	0.421	3.19E-33	monocyte	WDR45B
DPM1.5	2.17E-37	-0.34013	0.168	0.397	3.25E-33	monocyte	DPM1
ATP6V1G2.2	2.18E-37	-0.41784	0.007	0.162	3.26E-33	monocyte	ATP6V1G2
SFXN1.5	2.37E-37	-0.39769	0.051	0.232	3.55E-33	monocyte	SFXN1
CSF2RB.6	2.72E-37	0.196122	0.086	0.019	4.07E-33	monocyte	CSF2RB
GPSM2.6	2.88E-37	-0.4032	0.024	0.19	4.30E-33	monocyte	GPSM2
PPP1CC.5	2.88E-37	-0.32315	0.225	0.464	4.31E-33	monocyte	PPP1CC
GAPT.8	3.23E-37	0.431154	0.153	0.052	4.83E-33	monocyte	GAPT
HNRNPR.3	3.50E-37	-0.32638	0.303	0.539	5.22E-33	monocyte	HNRNPR
C3orf14.5	3.68E-37	-0.39115	0.089	0.28	5.49E-33	monocyte	C3orf14
C2.6	3.93E-37	0.618885	0.237	0.104	5.87E-33	monocyte	C2
BZW1.4	4.09E-37	-0.20094	0.309	0.558	6.11E-33	monocyte	BZW1
CLEC2B.8	4.09E-37	0.488944	0.366	0.19	6.12E-33	monocyte	CLEC2B
THSD7A.7	4.18E-37	-0.5349	0.004	0.155	6.25E-33	monocyte	THSD7A
LHFPL2.7	4.26E-37	0.535088	0.294	0.149	6.37E-33	monocyte	LHFPL2
CYTH2.6	4.41E-37	-0.29784	0.142	0.359	6.60E-33	monocyte	CYTH2
RFX4.6	4.70E-37	-0.43247	0.008	0.163	7.02E-33	monocyte	RFX4
ILF3.5	4.84E-37	-0.29669	0.205	0.43	7.24E-33	monocyte	ILF3
RHEB.2	5.17E-37	-0.27902	0.408	0.658	7.73E-33	monocyte	RHEB
SGCE.5	5.24E-37	-0.60356	0.006	0.159	7.83E-33	monocyte	SGCE
PAK3.8	5.56E-37	-0.48386	0.005	0.155	8.31E-33	monocyte	PAK3
ARHGAP18.5	5.96E-37	0.507548	0.318	0.159	8.90E-33	monocyte	ARHGAP18
TFG.3	6.21E-37	-0.36274	0.205	0.426	9.28E-33	monocyte	TFG
FPR3.8	6.39E-37	0.360794	0.146	0.048	9.54E-33	monocyte	FPR3
GPRIN3.8	7.38E-37	0.313215	0.151	0.05	1.10E-32	monocyte	GPRIN3
RP11-345F	7.81E-37	-0.3382	0.017	0.177	1.17E-32	monocyte	RP11-345P4.9
RSPRY1.6	7.95E-37	-0.36036	0.073	0.264	1.19E-32	monocyte	RSPRY1
LRMP.6	9.02E-37	0.332531	0.126	0.037	1.35E-32	monocyte	LRMP
GPC2.8	9.26E-37	-0.50861	0.021	0.181	1.38E-32	monocyte	GPC2
ARHGAP9.8	9.62E-37	0.355185	0.197	0.076	1.44E-32	monocyte	ARHGAP9
CCT6A.4	9.84E-37	-0.21817	0.348	0.595	1.47E-32	monocyte	CCT6A
CLDND1.5	1.12E-36	-0.37968	0.182	0.412	1.68E-32	monocyte	CLDND1
LRRC8A.7	1.23E-36	-0.33404	0.02	0.181	1.84E-32	monocyte	LRRC8A
MTX2.5	1.27E-36	-0.33603	0.133	0.338	1.90E-32	monocyte	MTX2
CKAP4.6	1.27E-36	-0.32002	0.047	0.224	1.90E-32	monocyte	CKAP4
FOXG1.7	1.30E-36	-0.32371	0.011	0.166	1.94E-32	monocyte	FOXG1
ARID5B.6	1.30E-36	-0.31851	0.16	0.373	1.94E-32	monocyte	ARID5B
PROX1.7	1.57E-36	-0.36341	0.018	0.177	2.34E-32	monocyte	PROX1
GCSH.7	1.65E-36	-0.41989	0.16	0.364	2.46E-32	monocyte	GCSH
MAGED2.8	1.69E-36	-0.20891	0.285	0.529	2.52E-32	monocyte	MAGED2
SQRDL.8	2.09E-36	0.459144	0.301	0.148	3.12E-32	monocyte	SQRDL
RNF24.5	2.13E-36	-0.40894	0.077	0.263	3.19E-32	monocyte	RNF24

DPF1. 7	2. 25E-36	-0. 40423	0. 004	0. 152	3. 36E-32	monocyte	DPF1
ITGAM. 8	2. 33E-36	0. 421638	0. 178	0. 066	3. 48E-32	monocyte	ITGAM
FMNL1. 8	2. 56E-36	0. 434869	0. 253	0. 113	3. 83E-32	monocyte	FMNL1
DMWD. 6	2. 63E-36	-0. 30317	0. 005	0. 153	3. 93E-32	monocyte	DMWD
JAKMIP2. 6	2. 65E-36	-0. 34595	0. 01	0. 163	3. 96E-32	monocyte	JAKMIP2
SLC46A3. 5	2. 76E-36	0. 373199	0. 147	0. 05	4. 12E-32	monocyte	SLC46A3
S100A10. 8	2. 82E-36	-0. 45781	0. 349	0. 562	4. 22E-32	monocyte	S100A10
HSPBP1. 4	2. 84E-36	-0. 35113	0. 104	0. 304	4. 25E-32	monocyte	HSPBP1
RAC3. 7	3. 08E-36	-0. 3542	0. 031	0. 196	4. 61E-32	monocyte	RAC3
NOP56. 3	3. 18E-36	-0. 34342	0. 21	0. 432	4. 74E-32	monocyte	NOP56
IFT57. 7	3. 18E-36	-0. 30286	0. 073	0. 263	4. 76E-32	monocyte	IFT57
COX20. 3	3. 21E-36	-0. 34235	0. 239	0. 479	4. 80E-32	monocyte	COX20
PDAP1. 5	3. 28E-36	-0. 24074	0. 315	0. 555	4. 90E-32	monocyte	PDAP1
SNAP25. 7	3. 33E-36	-0. 54393	0. 006	0. 155	4. 98E-32	monocyte	SNAP25
RP11-620J	3. 46E-36	-0. 4927	0. 094	0. 285	5. 17E-32	monocyte	RP11-620J15. 3
PTGS1. 8	3. 66E-36	0. 549292	0. 288	0. 145	5. 47E-32	monocyte	PTGS1
PLEK. 8	3. 82E-36	0. 624956	0. 329	0. 161	5. 71E-32	monocyte	PLEK
C8orf46. 6	3. 84E-36	-0. 45105	0. 004	0. 151	5. 73E-32	monocyte	C8orf46
DTNA. 7	4. 07E-36	-0. 47804	0. 078	0. 268	6. 09E-32	monocyte	DTNA
ZNF608. 6	4. 13E-36	-0. 33295	0. 015	0. 17	6. 17E-32	monocyte	ZNF608
ELAVL4. 7	4. 19E-36	-0. 64397	0. 031	0. 192	6. 26E-32	monocyte	ELAVL4
BCL7A. 8	4. 22E-36	-0. 39534	0. 01	0. 162	6. 31E-32	monocyte	BCL7A
NLGN1. 7	4. 24E-36	-0. 32669	0. 003	0. 15	6. 34E-32	monocyte	NLGN1
RAB11B. 6	4. 28E-36	-0. 2546	0. 277	0. 524	6. 39E-32	monocyte	RAB11B
RP11-108M	4. 51E-36	0. 508014	0. 215	0. 092	6. 74E-32	monocyte	RP11-108M9. 4
DRAM2. 7	4. 60E-36	0. 612935	0. 473	0. 324	6. 87E-32	monocyte	DRAM2
DAG1. 6	4. 88E-36	-0. 31469	0. 025	0. 186	7. 29E-32	monocyte	DAG1
LCP1. 7	5. 08E-36	0. 457459	0. 282	0. 13	7. 59E-32	monocyte	LCP1
SKP1. 6	5. 42E-36	-0. 1555	0. 667	0. 882	8. 09E-32	monocyte	SKP1
S100A6. 7	5. 53E-36	-0. 47441	0. 445	0. 661	8. 26E-32	monocyte	S100A6
PRKRA. 4	5. 66E-36	-0. 26593	0. 162	0. 379	8. 45E-32	monocyte	PRKRA
AC109826. 5	5. 70E-36	0. 370579	0. 111	0. 031	8. 51E-32	monocyte	AC109826. 1
DPP6. 6	5. 76E-36	-0. 38226	0. 018	0. 174	8. 61E-32	monocyte	DPP6
EMP1. 4	5. 92E-36	-0. 49005	0. 029	0. 192	8. 85E-32	monocyte	EMP1
APC2. 7	5. 93E-36	-0. 38197	0. 009	0. 16	8. 86E-32	monocyte	APC2
POLR2H. 5	6. 12E-36	-0. 27847	0. 126	0. 34	9. 15E-32	monocyte	POLR2H
TEAD1. 5	6. 17E-36	-0. 30622	0. 007	0. 157	9. 21E-32	monocyte	TEAD1
TRAF3IP3. 7	5. 58E-36	0. 34459	0. 139	0. 045	1. 13E-31	monocyte	TRAF3IP3
CNIH3. 5	8. 81E-36	-0. 34635	0. 023	0. 181	1. 32E-31	monocyte	CNIH3
NKX2-2. 7	8. 93E-36	-0. 4677	0. 009	0. 16	1. 33E-31	monocyte	NKX2-2
DCLK1. 6	9. 09E-36	-0. 3985	0. 013	0. 164	1. 36E-31	monocyte	DCLK1
PDRG1. 6	9. 29E-36	-0. 37822	0. 091	0. 284	1. 39E-31	monocyte	PDRG1
BRD2. 4	1. 01E-35	-0. 23955	0. 236	0. 473	1. 51E-31	monocyte	BRD2
DHRS3. 6	1. 02E-35	0. 518264	0. 309	0. 159	1. 52E-31	monocyte	DHRS3
HSPD1. 7	1. 05E-35	-0. 21195	0. 384	0. 635	1. 57E-31	monocyte	HSPD1
PCDHB16. 6	1. 27E-35	-0. 34326	0. 005	0. 152	1. 89E-31	monocyte	PCDHB16
HSPE1. 7	1. 31E-35	-0. 2092	0. 52	0. 748	1. 95E-31	monocyte	HSPE1
ARL4D. 8	1. 36E-35	-0. 37686	0. 022	0. 182	2. 03E-31	monocyte	ARL4D
FGFR1. 4	1. 45E-35	-0. 31642	0. 023	0. 183	2. 17E-31	monocyte	FGFR1
GADD45GIP1	1. 50E-35	-0. 32367	0. 362	0. 581	2. 25E-31	monocyte	GADD45GIP1
TNFRSF1B. 1	1. 52E-35	0. 447657	0. 34	0. 175	2. 27E-31	monocyte	TNFRSF1B

CHD6. 7	1. 53E-35	-0. 28878	0. 071	0. 26	2. 29E-31	monocyte	CHD6
PIGX. 6	1. 53E-35	-0. 34671	0. 08	0. 268	2. 29E-31	monocyte	PIGX
CNIH2. 8	1. 62E-35	-0. 32434	0	0. 141	2. 42E-31	monocyte	CNIH2
PLCG2. 5	1. 77E-35	0. 400068	0. 129	0. 04	2. 64E-31	monocyte	PLCG2
C19orf38. 1	1. 77E-35	0. 362358	0. 13	0. 04	2. 64E-31	monocyte	C19orf38
KHDRBS3. 7	2. 19E-35	-0. 33338	0. 051	0. 229	3. 27E-31	monocyte	KHDRBS3
RND2. 6	2. 27E-35	-0. 32868	0. 019	0. 176	3. 39E-31	monocyte	RND2
TJP1. 6	2. 33E-35	-0. 29815	0. 03	0. 194	3. 48E-31	monocyte	TJP1
SYNE2. 8	2. 36E-35	-0. 39534	0. 026	0. 187	3. 53E-31	monocyte	SYNE2
CDKN2D. 8	2. 68E-35	-0. 41891	0. 019	0. 172	4. 01E-31	monocyte	CDKN2D
ANK2. 8	3. 15E-35	-0. 26923	0. 021	0. 177	4. 71E-31	monocyte	ANK2
SHFM1. 4	3. 23E-35	-0. 28207	0. 498	0. 743	4. 82E-31	monocyte	SHFM1
BICD1. 6	3. 25E-35	-0. 33356	0. 046	0. 219	4. 86E-31	monocyte	BICD1
NDFIP2. 5	3. 28E-35	-0. 31196	0. 039	0. 206	4. 91E-31	monocyte	NDFIP2
KIFAP3. 7	3. 87E-35	-0. 3757	0. 046	0. 217	5. 78E-31	monocyte	KIFAP3
EEF1B2. 7	4. 11E-35	0. 406169	0. 789	0. 775	6. 14E-31	monocyte	EEF1B2
ZNF711. 7	4. 68E-35	-0. 34853	0. 007	0. 154	6. 99E-31	monocyte	ZNF711
HDAC2. 7	4. 68E-35	-0. 24104	0. 241	0. 466	6. 99E-31	monocyte	HDAC2
TMEM54. 5	4. 70E-35	-0. 31453	0. 041	0. 209	7. 03E-31	monocyte	TMEM54
FAM84A. 7	4. 74E-35	-0. 35142	0. 009	0. 156	7. 08E-31	monocyte	FAM84A
DENND2D. 4	5. 23E-35	0. 238423	0. 124	0. 038	7. 81E-31	monocyte	DENND2D
BBOX1. 7	5. 27E-35	-0. 48316	0. 005	0. 149	7. 87E-31	monocyte	BBOX1
PPP2CB. 8	5. 76E-35	-0. 37417	0. 12	0. 312	8. 61E-31	monocyte	PPP2CB
CALU. 6	5. 89E-35	-0. 33674	0. 2	0. 421	8. 80E-31	monocyte	CALU
CETN2. 6	5. 97E-35	-0. 39432	0. 133	0. 339	8. 92E-31	monocyte	CETN2
TCP1. 4	7. 07E-35	-0. 24284	0. 301	0. 543	1. 06E-30	monocyte	TCP1
ZSCAN18. 6	7. 30E-35	-0. 31508	0. 065	0. 246	1. 09E-30	monocyte	ZSCAN18
RTN3. 6	7. 30E-35	-0. 20879	0. 432	0. 674	1. 09E-30	monocyte	RTN3
EFEMP1. 7	7. 44E-35	-0. 66599	0. 061	0. 235	1. 11E-30	monocyte	EFEMP1
CDKN2C. 5	8. 39E-35	-0. 43423	0. 104	0. 298	1. 25E-30	monocyte	CDKN2C
EPB41L2. 6	8. 47E-35	0. 616404	0. 441	0. 299	1. 27E-30	monocyte	EPB41L2
DOK5. 7	8. 93E-35	-0. 37479	0. 033	0. 196	1. 33E-30	monocyte	DOK5
ITM2B. 5	9. 08E-35	0. 282401	0. 789	0. 8	1. 36E-30	monocyte	ITM2B
PFDN2. 4	9. 12E-35	-0. 22937	0. 376	0. 631	1. 36E-30	monocyte	PFDN2
PNPLA8. 5	9. 34E-35	-0. 28715	0. 151	0. 364	1. 40E-30	monocyte	PNPLA8
LRRC4B. 8	9. 85E-35	-0. 30067	0. 003	0. 145	1. 47E-30	monocyte	LRRC4B
OSCAR. 8	9. 90E-35	0. 332308	0. 172	0. 064	1. 48E-30	monocyte	OSCAR
ZC2HC1A. 7	1. 01E-34	-0. 39002	0. 053	0. 225	1. 50E-30	monocyte	ZC2HC1A
PSMC3. 4	1. 02E-34	-0. 23984	0. 305	0. 55	1. 52E-30	monocyte	PSMC3
ZKSCAN1. 7	1. 03E-34	-0. 31218	0. 13	0. 333	1. 54E-30	monocyte	ZKSCAN1
Clorf122. 1	1. 10E-34	-0. 32374	0. 283	0. 507	1. 64E-30	monocyte	Clorf122
EIF4E. 5	1. 12E-34	-0. 20726	0. 263	0. 508	1. 68E-30	monocyte	EIF4E
NAT14. 4	1. 14E-34	-0. 30668	0. 031	0. 193	1. 70E-30	monocyte	NAT14
MT1E. 7	1. 17E-34	-0. 24441	0. 188	0. 397	1. 75E-30	monocyte	MT1E
FBXO17. 8	1. 36E-34	-0. 3169	0. 009	0. 156	2. 04E-30	monocyte	FBXO17
TSPAN6. 6	1. 44E-34	-0. 37127	0. 013	0. 162	2. 16E-30	monocyte	TSPAN6
SOX6. 7	1. 62E-34	-0. 3865	0. 008	0. 153	2. 41E-30	monocyte	SOX6
ERV3-1. 7	1. 68E-34	-0. 32239	0. 086	0. 276	2. 51E-30	monocyte	ERV3-1
Clorf52. 8	1. 70E-34	-0. 274	0. 119	0. 323	2. 54E-30	monocyte	Clorf52
CHL1. 6	1. 71E-34	-0. 40748	0. 017	0. 165	2. 55E-30	monocyte	CHL1
HSD17B14. 1	1. 78E-34	0. 405828	0. 201	0. 082	2. 67E-30	monocyte	HSD17B14

C7orf73.5	1.86E-34	-0.33188	0.336	0.574	2.78E-30	monocyte	C7orf73
RALA.5	1.87E-34	-0.32499	0.164	0.377	2.79E-30	monocyte	RALA
BATF.5	2.08E-34	0.268158	0.112	0.032	3.11E-30	monocyte	BATF
VPS37B.6	2.29E-34	-0.30488	0.084	0.27	3.42E-30	monocyte	VPS37B
AKAP8L.6	2.32E-34	-0.27797	0.078	0.264	3.47E-30	monocyte	AKAP8L
DDX49.5	2.42E-34	-0.32961	0.096	0.29	3.62E-30	monocyte	DDX49
MED19.4	2.58E-34	-0.33867	0.102	0.297	3.86E-30	monocyte	MED19
MARCH6.7	2.71E-34	-0.28608	0.158	0.375	4.05E-30	monocyte	6-Mar
IL4I1.6	2.81E-34	0.312604	0.159	0.057	4.21E-30	monocyte	IL4I1
SOD1.4	2.86E-34	-0.27859	0.541	0.776	4.28E-30	monocyte	SOD1
AASDHPPT.2	2.89E-34	-0.28374	0.109	0.304	4.31E-30	monocyte	AASDHPPT
BLVRA.6	2.98E-34	-0.42105	0.151	0.356	4.46E-30	monocyte	BLVRA
DYNC1H1.6	3.21E-34	-0.27087	0.143	0.355	4.80E-30	monocyte	DYNC1H1
RNPS1.3	3.26E-34	-0.20135	0.307	0.554	4.87E-30	monocyte	RNPS1
TMEM205.7	3.42E-34	-0.36119	0.294	0.514	5.11E-30	monocyte	TMEM205
TNFSF12.8	3.64E-34	0.573822	0.312	0.174	5.44E-30	monocyte	TNFSF12
DAAM1.6	3.86E-34	-0.35638	0.074	0.256	5.77E-30	monocyte	DAAM1
WEE1.5	3.86E-34	-0.34029	0.015	0.162	5.77E-30	monocyte	WEE1
ECSIT.4	3.87E-34	-0.30499	0.091	0.283	5.78E-30	monocyte	ECSIT
C10orf11.4	4.13E-34	0.397324	0.214	0.091	6.16E-30	monocyte	C10orf11
P4HTM.6	4.30E-34	-0.30652	0.091	0.276	6.43E-30	monocyte	P4HTM
CTA-384D8	4.63E-34	0.170643	0.081	0.019	6.92E-30	monocyte	CTA-384D8.34
TMX4.5	4.68E-34	-0.30517	0.076	0.261	7.00E-30	monocyte	TMX4
TERF1.4	4.74E-34	-0.28417	0.133	0.34	7.08E-30	monocyte	TERF1
BRD3.7	4.75E-34	-0.29051	0.096	0.29	7.09E-30	monocyte	BRD3
SGK1.8	5.16E-34	0.593838	0.578	0.424	7.72E-30	monocyte	SGK1
PPIC.6	5.56E-34	-0.44581	0.038	0.196	8.31E-30	monocyte	PPIC
AHCYL1.7	5.71E-34	-0.39949	0.142	0.344	8.53E-30	monocyte	AHCYL1
SUGP2.6	6.01E-34	-0.31017	0.077	0.261	8.98E-30	monocyte	SUGP2
SCARA3.7	6.03E-34	-0.32039	0.007	0.149	9.02E-30	monocyte	SCARA3
BAZ1B.7	6.52E-34	-0.33049	0.119	0.314	9.74E-30	monocyte	BAZ1B
VWA1.8	6.67E-34	-0.35259	0.011	0.156	9.97E-30	monocyte	VWA1
AKR1B1.5	7.59E-34	0.492919	0.661	0.622	1.13E-29	monocyte	AKR1B1
CERS1.6	8.17E-34	-0.31655	0.002	0.139	1.22E-29	monocyte	CERS1
SAFB2.4	8.40E-34	-0.23308	0.136	0.349	1.26E-29	monocyte	SAFB2
TMEM158.7	8.55E-34	-0.3625	0.009	0.151	1.28E-29	monocyte	TMEM158
SLC38A1.5	8.87E-34	-0.40163	0.009	0.153	1.33E-29	monocyte	SLC38A1
WTAP.4	8.90E-34	-0.3088	0.223	0.438	1.33E-29	monocyte	WTAP
NARF.4	9.02E-34	-0.25004	0.14	0.346	1.35E-29	monocyte	NARF
CSNK2A1.5	9.16E-34	-0.33751	0.133	0.333	1.37E-29	monocyte	CSNK2A1
USP1.7	9.21E-34	-0.29306	0.087	0.274	1.38E-29	monocyte	USP1
TROVE2.7	9.43E-34	-0.25217	0.222	0.451	1.41E-29	monocyte	TROVE2
CEND1.6	9.51E-34	-0.35675	0.008	0.15	1.42E-29	monocyte	CEND1
FNBP1L.8	1.01E-33	-0.37194	0.038	0.198	1.50E-29	monocyte	FNBP1L
TNFSF10.5	1.05E-33	0.516094	0.17	0.066	1.57E-29	monocyte	TNFSF10
CCDC34.5	1.07E-33	-0.38675	0.027	0.18	1.60E-29	monocyte	CCDC34
TCIRG1.8	1.21E-33	0.411625	0.249	0.114	1.82E-29	monocyte	TCIRG1
DOCK2.8	1.22E-33	0.397896	0.178	0.068	1.83E-29	monocyte	DOCK2
SPECC1.7	1.24E-33	-0.26694	0.114	0.312	1.85E-29	monocyte	SPECC1
DPF3.4	1.37E-33	-0.33954	0.007	0.147	2.05E-29	monocyte	DPF3
ZNF302.7	1.39E-33	-0.20475	0.124	0.331	2.08E-29	monocyte	ZNF302

RBM47.8	1.51E-33	0.367341	0.234	0.106	2.26E-29	monocyte	RBM47
CA12.8	1.51E-33	-0.39003	0.007	0.148	2.26E-29	monocyte	CA12
SEMA6D.8	1.73E-33	-0.37923	0.021	0.169	2.58E-29	monocyte	SEMA6D
CTNND2.6	1.81E-33	-0.3409	0.02	0.17	2.70E-29	monocyte	CTNND2
ITGAX.7	1.86E-33	0.405055	0.2	0.081	2.77E-29	monocyte	ITGAX
RIN3.8	1.93E-33	0.445851	0.233	0.105	2.88E-29	monocyte	RIN3
HNMT.7	2.07E-33	0.542708	0.363	0.206	3.10E-29	monocyte	HNMT
EVL.4	2.18E-33	0.585509	0.485	0.34	3.26E-29	monocyte	EVL
EEF1E1.5	2.30E-33	-0.28143	0.126	0.332	3.44E-29	monocyte	EEF1E1
RP11-792A	2.31E-33	-0.35386	0.053	0.224	3.45E-29	monocyte	RP11-792A8.4
DTX3.5	2.31E-33	-0.45966	0.089	0.27	3.45E-29	monocyte	DTX3
PCMT1.4	2.45E-33	-0.25773	0.316	0.561	3.66E-29	monocyte	PCMT1
KIF9.7	2.50E-33	-0.34979	0.03	0.187	3.73E-29	monocyte	KIF9
DLX5.8	2.75E-33	-0.71045	0.014	0.155	4.11E-29	monocyte	DLX5
PIN1.4	2.86E-33	-0.25574	0.326	0.555	4.28E-29	monocyte	PIN1
LINC01003	3.01E-33	-0.32856	0.042	0.205	4.50E-29	monocyte	LINC01003
PADI2.6	3.17E-33	0.406512	0.262	0.124	4.73E-29	monocyte	PADI2
RAB3A.8	3.66E-33	-0.41639	0.025	0.176	5.47E-29	monocyte	RAB3A
DAPK3.5	3.87E-33	-0.32122	0.075	0.253	5.79E-29	monocyte	DAPK3
SIGLEC14.	4.21E-33	0.339994	0.121	0.038	6.29E-29	monocyte	SIGLEC14
WSCD1.7	4.26E-33	-0.34215	0.005	0.142	6.36E-29	monocyte	WSCD1
PPME1.6	4.43E-33	-0.3094	0.035	0.194	6.62E-29	monocyte	PPME1
C12orf76.	4.64E-33	-0.27809	0.091	0.282	6.93E-29	monocyte	C12orf76
NXPH1.8	4.67E-33	-0.38248	0.008	0.147	6.98E-29	monocyte	NXPH1
CDK4.4	5.25E-33	-0.39305	0.283	0.502	7.84E-29	monocyte	CDK4
ASIC4.7	5.41E-33	-0.51798	0.01	0.151	8.09E-29	monocyte	ASIC4
DDIT3.4	5.61E-33	-0.31348	0.231	0.445	8.38E-29	monocyte	DDIT3
SRPX.7	5.75E-33	-0.4617	0.034	0.189	8.60E-29	monocyte	SRPX
GNL1.3	6.05E-33	-0.26134	0.078	0.257	9.04E-29	monocyte	GNL1
METTL7B.5	6.51E-33	-0.55391	0.061	0.225	9.73E-29	monocyte	METTL7B
ANKRD22.7	6.94E-33	0.447276	0.154	0.057	1.04E-28	monocyte	ANKRD22
TIA1.8	6.96E-33	-0.2363	0.079	0.263	1.04E-28	monocyte	TIA1
ALKBH2.7	7.92E-33	-0.33697	0.046	0.208	1.18E-28	monocyte	ALKBH2
EFNA1.5	8.17E-33	-0.41954	0.004	0.139	1.22E-28	monocyte	EFNA1
ATF3.7	8.38E-33	-0.46496	0.126	0.318	1.25E-28	monocyte	ATF3
KHDRBS1.6	8.68E-33	-0.32133	0.281	0.504	1.30E-28	monocyte	KHDRBS1
RP11-849I	8.79E-33	-0.38683	0.006	0.143	1.31E-28	monocyte	RP11-849I19.1
IFT81.6	8.80E-33	-0.25893	0.022	0.171	1.32E-28	monocyte	IFT81
TPM2.5	8.95E-33	-0.45161	0.027	0.175	1.34E-28	monocyte	TPM2
C1orf21.7	8.96E-33	-0.42212	0.051	0.213	1.34E-28	monocyte	C1orf21
NDUFB7.5	9.54E-33	-0.19123	0.507	0.739	1.43E-28	monocyte	NDUFB7
MEAF6.6	9.58E-33	-0.24827	0.26	0.496	1.43E-28	monocyte	MEAF6
KIAA1715.	9.98E-33	-0.32185	0.088	0.27	1.49E-28	monocyte	KIAA1715
OCIAD1.5	1.02E-32	-0.23813	0.41	0.656	1.52E-28	monocyte	OCIAD1
COLGALT2.	1.05E-32	-0.31411	0.01	0.15	1.56E-28	monocyte	COLGALT2
LRWD1.5	1.08E-32	-0.31033	0.029	0.183	1.62E-28	monocyte	LRWD1
ARHGAP27.	1.11E-32	0.358371	0.139	0.048	1.66E-28	monocyte	ARHGAP27
EXOC7.7	1.12E-32	-0.28283	0.163	0.369	1.67E-28	monocyte	EXOC7
WBP4.6	1.16E-32	-0.31472	0.125	0.321	1.73E-28	monocyte	WBP4
PNMA2.7	1.19E-32	-0.32136	0.01	0.15	1.78E-28	monocyte	PNMA2
MSI1.6	1.20E-32	-0.31354	0.008	0.146	1.79E-28	monocyte	MSI1



SLC37A3. 6	1. 25E-32	-0. 35302	0. 005	0. 14	1. 87E-28	monocyte	SLC37A3
CLIC1. 6	1. 29E-32	0. 4177	0. 731	0. 613	1. 93E-28	monocyte	CLIC1
LBH. 8	1. 34E-32	-0. 44825	0. 02	0. 165	2. 01E-28	monocyte	LBH
NR2F6. 7	1. 37E-32	-0. 29968	0. 013	0. 152	2. 04E-28	monocyte	NR2F6
PITPNA-AS	1. 42E-32	-0. 31624	0. 046	0. 209	2. 12E-28	monocyte	PITPNA-AS1
GIMAP2. 7	1. 43E-32	0. 445306	0. 173	0. 068	2. 13E-28	monocyte	GIMAP2
DBI. 8	1. 43E-32	-0. 24384	0. 675	0. 858	2. 14E-28	monocyte	DBI
ZNF3. 6	1. 49E-32	-0. 36739	0. 053	0. 219	2. 22E-28	monocyte	ZNF3
CITED1. 7	1. 54E-32	-0. 46856	0. 02	0. 163	2. 30E-28	monocyte	CITED1
NRSN2. 7	1. 55E-32	-0. 22664	0. 026	0. 176	2. 32E-28	monocyte	NRSN2
CBX1. 6	1. 68E-32	-0. 29753	0. 176	0. 384	2. 51E-28	monocyte	CBX1
MFNG. 8	1. 70E-32	0. 49838	0. 246	0. 116	2. 55E-28	monocyte	MFNG
EIF5. 3	1. 73E-32	-0. 21989	0. 419	0. 671	2. 58E-28	monocyte	EIF5
SNRPE. 6	1. 73E-32	-0. 25993	0. 362	0. 599	2. 59E-28	monocyte	SNRPE
LIMCH1. 6	1. 75E-32	-0. 37957	0. 019	0. 164	2. 62E-28	monocyte	LIMCH1
RSF1. 6	1. 76E-32	-0. 22639	0. 213	0. 435	2. 63E-28	monocyte	RSF1
LHX2. 7	1. 80E-32	-0. 32491	0. 006	0. 141	2. 69E-28	monocyte	LHX2
SLC16A1. 7	1. 96E-32	-0. 28731	0. 071	0. 248	2. 93E-28	monocyte	SLC16A1
SUN1. 7	2. 00E-32	-0. 33015	0. 054	0. 221	2. 98E-28	monocyte	SUN1
SLC40A1. 6	2. 01E-32	0. 568279	0. 252	0. 129	3. 00E-28	monocyte	SLC40A1
QTRT1. 6	2. 02E-32	-0. 35929	0. 143	0. 347	3. 02E-28	monocyte	QTRT1
DGUOK. 5	2. 03E-32	-0. 21972	0. 293	0. 535	3. 04E-28	monocyte	DGUOK
OSBPL6. 4	2. 08E-32	-0. 30495	0. 022	0. 168	3. 11E-28	monocyte	OSBPL6
AMPD3. 5	2. 13E-32	0. 256374	0. 134	0. 045	3. 19E-28	monocyte	AMPD3
PCMTD2. 7	2. 18E-32	-0. 3118	0. 068	0. 241	3. 26E-28	monocyte	PCMTD2
C11orf96. 2	2. 30E-32	-0. 41553	0. 008	0. 145	3. 43E-28	monocyte	C11orf96
SGTA. 5	2. 32E-32	-0. 25982	0. 132	0. 332	3. 46E-28	monocyte	SGTA
TCEB1. 2	2. 39E-32	-0. 18999	0. 394	0. 643	3. 58E-28	monocyte	TCEB1
IMMP1L. 6	2. 51E-32	-0. 25101	0. 071	0. 246	3. 75E-28	monocyte	IMMP1L
PHPT1. 3	2. 51E-32	-0. 21681	0. 437	0. 671	3. 75E-28	monocyte	PHPT1
RNF187. 6	2. 55E-32	-0. 32742	0. 185	0. 395	3. 81E-28	monocyte	RNF187
COL6A2. 7	2. 64E-32	-0. 48382	0. 029	0. 174	3. 95E-28	monocyte	COL6A2
CD151. 7	2. 75E-32	-0. 23208	0. 282	0. 5	4. 11E-28	monocyte	CD151
ISCA1. 4	2. 77E-32	-0. 31545	0. 121	0. 312	4. 14E-28	monocyte	ISCA1
GNGT2. 8	2. 90E-32	0. 272595	0. 135	0. 045	4. 34E-28	monocyte	GNGT2
POLR2C. 6	2. 93E-32	-0. 30686	0. 16	0. 367	4. 38E-28	monocyte	POLR2C
GPBP1. 5	2. 97E-32	-0. 24844	0. 237	0. 467	4. 44E-28	monocyte	GPBP1
SNHG9. 4	3. 00E-32	-0. 23755	0. 12	0. 321	4. 48E-28	monocyte	SNHG9
TWISTNB. 2	3. 03E-32	-0. 30429	0. 096	0. 284	4. 52E-28	monocyte	TWISTNB
MEIS3. 6	3. 09E-32	-0. 3258	0. 006	0. 14	4. 62E-28	monocyte	MEIS3
RNF130. 8	3. 16E-32	0. 482555	0. 552	0. 455	4. 73E-28	monocyte	RNF130
CNTFR. 7	3. 34E-32	-0. 33873	0. 006	0. 141	5. 00E-28	monocyte	CNTFR
SERF2. 4	3. 45E-32	0. 341551	0. 913	0. 894	5. 15E-28	monocyte	SERF2
TIMM22. 4	3. 62E-32	-0. 20621	0. 078	0. 257	5. 40E-28	monocyte	TIMM22
WWTR1. 8	3. 65E-32	-0. 3715	0. 026	0. 172	5. 45E-28	monocyte	WWTR1
SSRP1. 6	3. 87E-32	-0. 27194	0. 165	0. 371	5. 78E-28	monocyte	SSRP1
ASPH. 4	3. 87E-32	-0. 31375	0. 104	0. 292	5. 78E-28	monocyte	ASPH
SLC37A2. 3	4. 23E-32	0. 204354	0. 072	0. 016	6. 32E-28	monocyte	SLC37A2
RFTN2. 8	4. 34E-32	-0. 40872	0. 005	0. 138	6. 49E-28	monocyte	RFTN2
MPP1. 8	4. 48E-32	0. 488148	0. 335	0. 189	6. 69E-28	monocyte	MPP1
PGM1. 4	4. 51E-32	-0. 34436	0. 088	0. 265	6. 74E-28	monocyte	PGM1

SLC35F1.5	4.51E-32	-0.23734	0.004	0.137	6.74E-28	monocyte	SLC35F1
BBX.4	4.57E-32	-0.29956	0.209	0.424	6.83E-28	monocyte	BBX
ENOPH1.6	4.66E-32	-0.26863	0.189	0.407	6.97E-28	monocyte	ENOPH1
GRIA4.7	4.85E-32	-0.36537	0.006	0.14	7.24E-28	monocyte	GRIA4
SF3B2.4	4.93E-32	-0.2435	0.312	0.543	7.37E-28	monocyte	SF3B2
PRPF6.6	5.42E-32	-0.24451	0.159	0.37	8.10E-28	monocyte	PRPF6
JAG1.7	5.50E-32	-0.32231	0.025	0.171	8.22E-28	monocyte	JAG1
TYMS.7	5.72E-32	-0.34246	0.025	0.173	8.55E-28	monocyte	TYMS
BEND5.6	6.11E-32	-0.32937	0.01	0.148	9.13E-28	monocyte	BEND5
NUDCD2.5	6.24E-32	-0.21487	0.199	0.418	9.32E-28	monocyte	NUDCD2
RANBP1.7	6.75E-32	-0.30195	0.374	0.596	1.01E-27	monocyte	RANBP1
TCEA1.3	6.84E-32	-0.24569	0.278	0.503	1.02E-27	monocyte	TCEA1
SMARCD1.7	7.15E-32	-0.3138	0.062	0.228	1.07E-27	monocyte	SMARCD1
TUBA1C.6	7.35E-32	-0.35025	0.196	0.396	1.10E-27	monocyte	TUBA1C
TGFB1.8	7.88E-32	0.537028	0.372	0.233	1.18E-27	monocyte	TGFB1
WDR18.5	7.91E-32	-0.24091	0.109	0.302	1.18E-27	monocyte	WDR18
C1S.6	8.02E-32	-0.67878	0.028	0.174	1.20E-27	monocyte	C1S
ZDHHC9.8	8.13E-32	-0.3631	0.029	0.18	1.22E-27	monocyte	ZDHHC9
TMEM156.6	9.71E-32	0.413788	0.139	0.049	1.45E-27	monocyte	TMEM156
DHX36.6	1.01E-31	-0.29304	0.224	0.444	1.51E-27	monocyte	DHX36
RNF19A.7	1.10E-31	-0.33344	0.053	0.215	1.64E-27	monocyte	RNF19A
TCEAL4.6	1.11E-31	-0.21378	0.347	0.591	1.65E-27	monocyte	TCEAL4
ACAT2.7	1.11E-31	-0.29651	0.11	0.293	1.66E-27	monocyte	ACAT2
PHF20L1.7	1.12E-31	-0.27918	0.13	0.324	1.67E-27	monocyte	PHF20L1
ATP6VOB.6	1.13E-31	0.391827	0.787	0.799	1.69E-27	monocyte	ATP6VOB
GAS1.8	1.18E-31	-0.37708	0.017	0.156	1.77E-27	monocyte	GAS1
MDH2.4	1.22E-31	-0.22754	0.444	0.68	1.82E-27	monocyte	MDH2
KIF2A.8	1.22E-31	-0.29121	0.077	0.249	1.82E-27	monocyte	KIF2A
PCGF2.6	1.26E-31	-0.30881	0.027	0.175	1.89E-27	monocyte	PCGF2
IFT43.6	1.27E-31	-0.28827	0.092	0.271	1.91E-27	monocyte	IFT43
C21orf59.1	1.35E-31	-0.24958	0.136	0.332	2.01E-27	monocyte	C21orf59
NOL3.8	1.38E-31	-0.42684	0.031	0.178	2.07E-27	monocyte	NOL3
ZNF146.6	1.41E-31	-0.31683	0.072	0.241	2.11E-27	monocyte	ZNF146
CBS.6	1.46E-31	-0.33416	0.025	0.169	2.18E-27	monocyte	CBS
SLC7A8.3	1.47E-31	0.236744	0.119	0.037	2.20E-27	monocyte	SLC7A8
HLA-F.8	1.52E-31	0.420778	0.272	0.135	2.27E-27	monocyte	HLA-F
SMARCC1.6	1.54E-31	-0.24178	0.087	0.27	2.30E-27	monocyte	SMARCC1
RARRES2.7	1.78E-31	-0.71809	0.02	0.161	2.66E-27	monocyte	RARRES2
CTNNA1.6	2.08E-31	-0.33795	0.019	0.158	3.11E-27	monocyte	CTNNA1
LUC7L3.6	2.19E-31	-0.21359	0.292	0.53	3.27E-27	monocyte	LUC7L3
PRCC.4	2.19E-31	-0.30621	0.124	0.319	3.27E-27	monocyte	PRCC
NEDD9.5	2.24E-31	-0.26383	0.065	0.234	3.34E-27	monocyte	NEDD9
ARL3.4	2.34E-31	-0.22928	0.162	0.363	3.49E-27	monocyte	ARL3
PLXNC1.8	2.40E-31	0.295908	0.156	0.058	3.58E-27	monocyte	PLXNC1
CFDP1.5	2.43E-31	-0.22625	0.215	0.434	3.63E-27	monocyte	CFDP1
EMC6.3	2.45E-31	-0.27171	0.241	0.451	3.65E-27	monocyte	EMC6
TMEM237.5	2.48E-31	-0.32088	0.044	0.199	3.71E-27	monocyte	TMEM237
SPOCK2.6	2.54E-31	-0.3746	0.014	0.15	3.80E-27	monocyte	SPOCK2
CCL18.1	2.64E-31	0.188656	0.044	0.006	3.94E-27	monocyte	CCL18
HNRNPA0.6	2.69E-31	-0.24853	0.437	0.66	4.02E-27	monocyte	HNRNPA0
EZH2.7	2.82E-31	-0.36867	0.023	0.165	4.22E-27	monocyte	EZH2

EIF3B. 3	2. 85E-31	-0. 28592	0. 086	0. 261	4. 26E-27	monocyte	EIF3B
TIMM13. 2	3. 16E-31	-0. 21699	0. 385	0. 609	4. 72E-27	monocyte	TIMM13
RSBN1L. 6	3. 20E-31	-0. 30929	0. 17	0. 371	4. 78E-27	monocyte	RSBN1L
HP1BP3. 7	3. 27E-31	-0. 22223	0. 239	0. 46	4. 89E-27	monocyte	HP1BP3
CCDC82. 4	3. 48E-31	-0. 28737	0. 104	0. 287	5. 20E-27	monocyte	CCDC82
LINC00662	3. 55E-31	-0. 32578	0. 041	0. 196	5. 31E-27	monocyte	LINC00662
RAMP2. 7	3. 57E-31	-0. 33737	0. 011	0. 147	5. 33E-27	monocyte	RAMP2
EBNA1BP2. 3	5. 59E-31	-0. 27941	0. 165	0. 37	5. 37E-27	monocyte	EBNA1BP2
PSMD2. 5	3. 63E-31	-0. 20441	0. 255	0. 48	5. 42E-27	monocyte	PSMD2
MFGES. 5	4. 23E-31	-0. 2938	0. 046	0. 203	6. 32E-27	monocyte	MFGES
NUDT11. 6	4. 34E-31	-0. 35722	0. 006	0. 137	6. 49E-27	monocyte	NUDT11
POLR2F. 5	4. 38E-31	-0. 24447	0. 332	0. 561	6. 55E-27	monocyte	POLR2F
RBBP6. 4	5. 01E-31	-0. 28865	0. 134	0. 329	7. 49E-27	monocyte	RBBP6
SKAP2. 6	5. 39E-31	0. 493493	0. 413	0. 257	8. 06E-27	monocyte	SKAP2
NNT-AS1. 7	5. 43E-31	-0. 32669	0. 068	0. 235	8. 11E-27	monocyte	NNT-AS1
RNF157. 7	5. 65E-31	-0. 32811	0. 011	0. 145	8. 44E-27	monocyte	RNF157
RBM39. 4	5. 76E-31	-0. 18143	0. 437	0. 673	8. 61E-27	monocyte	RBM39
GTF2F2. 3	6. 05E-31	-0. 28533	0. 127	0. 314	9. 03E-27	monocyte	GTF2F2
EIF3I. 3	6. 10E-31	-0. 18414	0. 381	0. 621	9. 11E-27	monocyte	EIF3I
CCT7. 5	6. 35E-31	-0. 18591	0. 315	0. 549	9. 49E-27	monocyte	CCT7
NNMT. 6	6. 46E-31	-0. 66544	0. 027	0. 169	9. 66E-27	monocyte	NNMT
RP11-71N1	6. 58E-31	-0. 34617	0. 013	0. 147	9. 83E-27	monocyte	RP11-71N10. 1
PSRC1. 5	6. 62E-31	-0. 30282	0. 096	0. 279	9. 89E-27	monocyte	PSRC1
SOBP. 7	7. 25E-31	-0. 32092	0. 011	0. 145	1. 08E-26	monocyte	SOBP
DDX1. 5	7. 44E-31	-0. 28566	0. 172	0. 377	1. 11E-26	monocyte	DDX1
PPP1R16A. 7	4. 48E-31	-0. 323	0. 033	0. 181	1. 12E-26	monocyte	PPP1R16A
YES1. 4	7. 58E-31	-0. 26984	0. 009	0. 141	1. 13E-26	monocyte	YES1
TNRC6C. 7	7. 69E-31	-0. 31982	0. 034	0. 184	1. 15E-26	monocyte	TNRC6C
ALKBH5. 6	8. 45E-31	-0. 31033	0. 146	0. 339	1. 26E-26	monocyte	ALKBH5
CYR61. 6	8. 65E-31	-0. 51547	0. 032	0. 18	1. 29E-26	monocyte	CYR61
HIP1. 5	8. 67E-31	-0. 37713	0. 033	0. 18	1. 30E-26	monocyte	HIP1
NDUFS4. 2	8. 68E-31	-0. 22528	0. 288	0. 524	1. 30E-26	monocyte	NDUFS4
TNFRSF12A	8. 93E-31	-0. 49643	0. 132	0. 301	1. 33E-26	monocyte	TNFRSF12A
WASL. 6	9. 03E-31	-0. 29482	0. 043	0. 196	1. 35E-26	monocyte	WASL
EIF1B. 7	9. 68E-31	-0. 24771	0. 372	0. 607	1. 45E-26	monocyte	EIF1B
TPPP3. 8	1. 05E-30	-0. 52217	0. 024	0. 165	1. 57E-26	monocyte	TPPP3
CHCHD10. 6	1. 06E-30	0. 492081	0. 483	0. 372	1. 59E-26	monocyte	CHCHD10
TOMM40. 6	1. 07E-30	-0. 29497	0. 15	0. 343	1. 60E-26	monocyte	TOMM40
WDR6. 6	1. 08E-30	-0. 24082	0. 074	0. 246	1. 62E-26	monocyte	WDR6
SPATC1L. 7	1. 11E-30	-0. 21435	0. 049	0. 207	1. 67E-26	monocyte	SPATC1L
ACO04540. 1	1. 19E-30	-0. 43107	0. 005	0. 133	1. 78E-26	monocyte	ACO04540. 4
APPBP2. 5	1. 29E-30	-0. 32113	0. 061	0. 222	1. 92E-26	monocyte	APPBP2
SAMD4B. 4	1. 31E-30	-0. 29923	0. 069	0. 237	1. 95E-26	monocyte	SAMD4B
PRPSAP1. 7	1. 36E-30	-0. 25987	0. 133	0. 321	2. 03E-26	monocyte	PRPSAP1
SLC1A2. 6	1. 42E-30	-0. 35125	0. 013	0. 146	2. 12E-26	monocyte	SLC1A2
NIFK. 4	1. 46E-30	-0. 268	0. 16	0. 365	2. 18E-26	monocyte	NIFK
NUCB2. 4	1. 47E-30	-0. 34854	0. 167	0. 363	2. 19E-26	monocyte	NUCB2
NUDC. 5	1. 47E-30	-0. 22955	0. 367	0. 598	2. 20E-26	monocyte	NUDC
MORN2. 6	1. 49E-30	-0. 28132	0. 1	0. 276	2. 23E-26	monocyte	MORN2
TLR4. 6	1. 53E-30	0. 265651	0. 112	0. 035	2. 29E-26	monocyte	TLR4
PTK2. 5	1. 59E-30	-0. 29451	0. 039	0. 19	2. 38E-26	monocyte	PTK2

SACS. 7	1. 66E-30	-0. 28056	0. 025	0. 166	2. 48E-26	monocyte	SACS
AHI1. 3	1. 69E-30	-0. 27141	0. 055	0. 219	2. 52E-26	monocyte	AHI1
RNASEH1-A	1. 80E-30	-0. 31251	0. 04	0. 19	2. 69E-26	monocyte	RNASEH1-AS1
BPGM. 4	1. 86E-30	-0. 31845	0. 078	0. 248	2. 78E-26	monocyte	BPGM
METTL2B. 3	1. 95E-30	-0. 32078	0. 053	0. 211	2. 91E-26	monocyte	METTL2B
FKBP3. 4	2. 00E-30	-0. 24656	0. 269	0. 495	2. 99E-26	monocyte	FKBP3
TGFBR2. 7	2. 04E-30	0. 403821	0. 227	0. 107	3. 05E-26	monocyte	TGFBR2
PPM1G. 7	2. 06E-30	-0. 28212	0. 223	0. 436	3. 08E-26	monocyte	PPM1G
SUMO1. 2	2. 10E-30	-0. 17089	0. 432	0. 677	3. 14E-26	monocyte	SUMO1
AQP4. 7	2. 11E-30	-0. 53672	0. 033	0. 177	3. 16E-26	monocyte	AQP4
ANXA6. 1	2. 15E-30	-0. 34145	0. 045	0. 197	3. 21E-26	monocyte	ANXA6
DPY30. 6	2. 57E-30	-0. 24613	0. 284	0. 514	3. 84E-26	monocyte	DPY30
SLC2A1. 6	2. 58E-30	-0. 37024	0. 015	0. 148	3. 85E-26	monocyte	SLC2A1
STIP1. 5	2. 61E-30	-0. 25535	0. 188	0. 388	3. 89E-26	monocyte	STIP1
SEPT8. 8	2. 66E-30	-0. 35524	0. 052	0. 208	3. 98E-26	monocyte	8-Sep
OAS2. 4	2. 69E-30	0. 321231	0. 109	0. 034	4. 03E-26	monocyte	OAS2
GPT2. 6	2. 74E-30	-0. 25527	0. 02	0. 158	4. 09E-26	monocyte	GPT2
ANAPC11. 5	2. 76E-30	-0. 14538	0. 528	0. 744	4. 13E-26	monocyte	ANAPC11
SLC35B1. 3	2. 77E-30	-0. 28685	0. 203	0. 408	4. 13E-26	monocyte	SLC35B1
RUVBL1. 5	2. 80E-30	-0. 2191	0. 1	0. 281	4. 19E-26	monocyte	RUVBL1
COPS5. 3	2. 92E-30	-0. 28274	0. 212	0. 428	4. 36E-26	monocyte	COPS5
ATF4. 3	2. 94E-30	-0. 23973	0. 31	0. 535	4. 40E-26	monocyte	ATF4
ING4. 6	3. 07E-30	-0. 31802	0. 1	0. 281	4. 58E-26	monocyte	ING4
CHD4. 5	3. 09E-30	-0. 2454	0. 147	0. 338	4. 61E-26	monocyte	CHD4
TMEM106C. 3	3. 12E-30	-0. 30437	0. 104	0. 281	4. 66E-26	monocyte	TMEM106C
KLHL4. 6	3. 13E-30	-0. 30746	0. 008	0. 137	4. 67E-26	monocyte	KLHL4
BPTF. 6	3. 29E-30	-0. 28215	0. 138	0. 326	4. 91E-26	monocyte	BPTF
DUSP23. 7	3. 38E-30	0. 377254	0. 327	0. 176	5. 05E-26	monocyte	DUSP23
BEND6. 7	3. 42E-30	-0. 25981	0. 004	0. 129	5. 11E-26	monocyte	BEND6
RNF126. 6	3. 69E-30	-0. 28584	0. 121	0. 306	5. 51E-26	monocyte	RNF126
TCTN1. 6	3. 86E-30	-0. 34686	0. 064	0. 225	5. 76E-26	monocyte	TCTN1
KIF1A. 7	3. 97E-30	-0. 41163	0. 008	0. 137	5. 93E-26	monocyte	KIF1A
MXRA7. 6	4. 00E-30	-0. 32308	0. 034	0. 179	5. 98E-26	monocyte	MXRA7
HOOK2. 6	4. 11E-30	-0. 26202	0. 076	0. 248	6. 15E-26	monocyte	HOOK2
CCDC12. 4	4. 24E-30	-0. 25927	0. 23	0. 448	6. 33E-26	monocyte	CCDC12
ASPHD1. 6	4. 46E-30	-0. 32302	0. 016	0. 148	6. 66E-26	monocyte	ASPHD1
ADH5. 5	4. 50E-30	-0. 28176	0. 199	0. 405	6. 73E-26	monocyte	ADH5
AP2B1. 7	4. 69E-30	-0. 26793	0. 162	0. 356	7. 01E-26	monocyte	AP2B1
DDAH1. 6	4. 75E-30	-0. 2983	0. 007	0. 135	7. 10E-26	monocyte	DDAH1
TTC9B. 8	5. 15E-30	-0. 46837	0. 005	0. 13	7. 69E-26	monocyte	TTC9B
FAM177A1. 5	5. 32E-30	-0. 24519	0. 196	0. 405	7. 96E-26	monocyte	FAM177A1
NCALD. 7	5. 89E-30	-0. 33729	0. 007	0. 135	8. 80E-26	monocyte	NCALD
CCDC124. 2	6. 03E-30	-0. 22064	0. 269	0. 489	9. 02E-26	monocyte	CCDC124
DEXI. 6	6. 20E-30	-0. 28866	0. 059	0. 22	9. 26E-26	monocyte	DEXI
WNK3. 6	6. 56E-30	-0. 29803	0. 005	0. 13	9. 80E-26	monocyte	WNK3
NDUFA4. 6	6. 63E-30	-0. 12974	0. 748	0. 908	9. 91E-26	monocyte	NDUFA4
NETO2. 4	6. 78E-30	-0. 28042	0. 03	0. 173	1. 01E-25	monocyte	NETO2
DOK3. 8	6. 86E-30	0. 266859	0. 153	0. 058	1. 02E-25	monocyte	DOK3
P2RX4. 7	7. 21E-30	0. 549132	0. 296	0. 166	1. 08E-25	monocyte	P2RX4
FIP1L1. 4	7. 24E-30	-0. 32926	0. 13	0. 311	1. 08E-25	monocyte	FIP1L1
RP4-665J2	7. 56E-30	-0. 29993	0. 008	0. 136	1. 13E-25	monocyte	RP4-665J23. 1

PALLD. 5	7. 68E-30	-0. 28779	0. 053	0. 211	1. 15E-25	monocyte	PALLD
PPP1R15A. 7	8. 86E-30	-0. 3184	0. 285	0. 483	1. 18E-25	monocyte	PPP1R15A
CDK16. 4	7. 93E-30	-0. 29191	0. 081	0. 249	1. 18E-25	monocyte	CDK16
ZNF91. 5	8. 15E-30	-0. 26259	0. 059	0. 223	1. 22E-25	monocyte	ZNF91
EHBP1. 6	8. 25E-30	-0. 28314	0. 033	0. 179	1. 23E-25	monocyte	EHBP1
PPP1CB. 5	8. 36E-30	-0. 25489	0. 32	0. 522	1. 25E-25	monocyte	PPP1CB
GNAS. 7	8. 90E-30	-0. 21445	0. 465	0. 663	1. 33E-25	monocyte	GNAS
KCNJ5. 1	8. 97E-30	0. 169903	0. 072	0. 017	1. 34E-25	monocyte	KCNJ5
BMF. 3	9. 30E-30	0. 152334	0. 071	0. 016	1. 39E-25	monocyte	BMF
BRD4. 5	9. 31E-30	-0. 24229	0. 153	0. 343	1. 39E-25	monocyte	BRD4
LPXN. 8	9. 32E-30	0. 431799	0. 22	0. 1	1. 39E-25	monocyte	LPXN
ATP1A3. 7	9. 52E-30	-0. 43988	0. 006	0. 131	1. 42E-25	monocyte	ATP1A3
FIBP. 4	9. 56E-30	-0. 25797	0. 283	0. 5	1. 43E-25	monocyte	FIBP
RP5-899E9	9. 57E-30	0. 12788	0. 054	0. 01	1. 43E-25	monocyte	RP5-899E9. 1
HTATSF1. 4	9. 70E-30	-0. 32649	0. 111	0. 289	1. 45E-25	monocyte	HTATSF1
LARS. 4	9. 81E-30	-0. 23464	0. 158	0. 358	1. 47E-25	monocyte	LARS
C1QBP. 5	9. 88E-30	-0. 24655	0. 36	0. 572	1. 48E-25	monocyte	C1QBP
RAD51C. 5	1. 02E-29	-0. 21068	0. 101	0. 281	1. 53E-25	monocyte	RAD51C
DNAJC2. 5	1. 04E-29	-0. 29482	0. 129	0. 313	1. 55E-25	monocyte	DNAJC2
CCT3. 5	1. 06E-29	-0. 20428	0. 365	0. 596	1. 58E-25	monocyte	CCT3
RNF10. 5	1. 10E-29	-0. 31044	0. 156	0. 348	1. 64E-25	monocyte	RNF10
CBR1. 6	1. 13E-29	-0. 27558	0. 28	0. 493	1. 69E-25	monocyte	CBR1
FIS1. 5	1. 14E-29	-0. 23565	0. 422	0. 657	1. 71E-25	monocyte	FIS1
NAP1L5. 6	1. 14E-29	-0. 28409	0. 014	0. 145	1. 71E-25	monocyte	NAP1L5
NTM. 6	1. 23E-29	-0. 46749	0. 001	0. 121	1. 85E-25	monocyte	NTM
NECAP1. 5	1. 27E-29	-0. 32178	0. 054	0. 211	1. 89E-25	monocyte	NECAP1
CYFIP2. 7	1. 27E-29	-0. 31483	0. 002	0. 123	1. 90E-25	monocyte	CYFIP2
C21orf62. 1	1. 28E-29	-0. 41675	0. 03	0. 169	1. 91E-25	monocyte	C21orf62
CAMK2B. 7	1. 28E-29	-0. 32478	0. 002	0. 123	1. 92E-25	monocyte	CAMK2B
DNASE1L1. 1	1. 46E-29	0. 352983	0. 162	0. 064	2. 18E-25	monocyte	DNASE1L1
AP005530. 1	1. 46E-29	0. 390074	0. 087	0. 024	2. 18E-25	monocyte	AP005530. 2
CDC25B. 6	1. 48E-29	-0. 3424	0. 054	0. 206	2. 21E-25	monocyte	CDC25B
ZNF439. 7	1. 50E-29	-0. 28229	0. 022	0. 159	2. 24E-25	monocyte	ZNF439
MLLT4. 7	1. 58E-29	-0. 3364	0. 032	0. 173	2. 35E-25	monocyte	MLLT4
TCEAL5. 6	1. 59E-29	-0. 43934	0. 006	0. 131	2. 38E-25	monocyte	TCEAL5
CLK1. 4	1. 60E-29	-0. 23806	0. 228	0. 44	2. 39E-25	monocyte	CLK1
INSM1. 8	1. 62E-29	-0. 33613	0. 004	0. 127	2. 42E-25	monocyte	INSM1
IPO9. 5	1. 63E-29	-0. 23917	0. 077	0. 245	2. 43E-25	monocyte	IPO9
DDX39A. 4	1. 66E-29	-0. 27692	0. 2	0. 409	2. 48E-25	monocyte	DDX39A
USP22. 8	1. 67E-29	-0. 29492	0. 145	0. 335	2. 49E-25	monocyte	USP22
MTPN. 4	1. 69E-29	-0. 29141	0. 243	0. 449	2. 52E-25	monocyte	MTPN
AKIRIN1. 6	1. 81E-29	-0. 28952	0. 184	0. 385	2. 70E-25	monocyte	AKIRIN1
YAF2. 5	1. 83E-29	-0. 21536	0. 162	0. 363	2. 74E-25	monocyte	YAF2
RNF11. 6	1. 87E-29	-0. 26241	0. 135	0. 323	2. 79E-25	monocyte	RNF11
AMER2. 7	1. 93E-29	-0. 48067	0. 003	0. 124	2. 89E-25	monocyte	AMER2
TAF9. 4	1. 94E-29	-0. 15685	0. 293	0. 518	2. 90E-25	monocyte	TAF9
UBXN2A. 5	1. 95E-29	-0. 26908	0. 047	0. 2	2. 92E-25	monocyte	UBXN2A
CHCHD3. 4	2. 01E-29	-0. 25855	0. 185	0. 385	3. 01E-25	monocyte	CHCHD3
PLEKHB1. 6	2. 03E-29	-0. 34561	0. 065	0. 226	3. 04E-25	monocyte	PLEKHB1
MAPRE3. 6	2. 23E-29	-0. 32419	0. 044	0. 191	3. 34E-25	monocyte	MAPRE3
OBSL1. 6	2. 30E-29	-0. 32219	0. 022	0. 157	3. 43E-25	monocyte	OBSL1

LANCL2.8	2.30E-29	-0.36115	0.026	0.163	3.44E-25	monocyte	LANCL2
CAP1.7	2.30E-29	0.471618	0.63	0.589	3.44E-25	monocyte	CAP1
ABAT.8	2.34E-29	-0.32966	0.03	0.171	3.49E-25	monocyte	ABAT
OLFML2B.7	2.37E-29	0.418318	0.156	0.06	3.54E-25	monocyte	OLFML2B
GNG12.6	2.49E-29	-0.26682	0.017	0.149	3.72E-25	monocyte	GNG12
STARD4-AS	2.50E-29	-0.31418	0.01	0.137	3.73E-25	monocyte	STARD4-AS1
PSPH.7	2.56E-29	-0.27702	0.028	0.169	3.83E-25	monocyte	PSPH
C2orf69.7	2.64E-29	-0.30923	0.053	0.207	3.95E-25	monocyte	C2orf69
YWHAH.8	2.65E-29	0.41753	0.605	0.561	3.96E-25	monocyte	YWHAH
EPRS.5	2.69E-29	-0.29608	0.125	0.309	4.02E-25	monocyte	EPRS
GSDMA.2	2.71E-29	0.164501	0.061	0.012	4.05E-25	monocyte	GSDMA
RIPK3.3	2.72E-29	0.214381	0.067	0.015	4.06E-25	monocyte	RIPK3
AGAP1.6	2.80E-29	-0.31558	0.006	0.13	4.19E-25	monocyte	AGAP1
PSMC5.3	2.96E-29	-0.21138	0.346	0.573	4.42E-25	monocyte	PSMC5
IGSF8.6	3.26E-29	-0.31454	0.066	0.226	4.86E-25	monocyte	IGSF8
SEZ6L.7	3.50E-29	-0.37338	0.016	0.146	5.23E-25	monocyte	SEZ6L
IER2.7	3.76E-29	-0.27627	0.42	0.632	5.63E-25	monocyte	IER2
RP11-332H	3.84E-29	-0.31195	0.01	0.137	5.74E-25	monocyte	RP11-332H14.2
TMEM97.5	3.98E-29	-0.28445	0.039	0.184	5.95E-25	monocyte	TMEM97
SFXN5.6	4.00E-29	-0.28407	0.049	0.201	5.97E-25	monocyte	SFXN5
ARL2BP.5	4.14E-29	-0.27914	0.216	0.422	6.18E-25	monocyte	ARL2BP
RUVBL2.4	4.27E-29	-0.24993	0.143	0.333	6.37E-25	monocyte	RUVBL2
ZNF292.6	4.34E-29	-0.29095	0.1	0.278	6.49E-25	monocyte	ZNF292
CDH11.6	4.60E-29	-0.28488	0.004	0.125	6.87E-25	monocyte	CDH11
SOCS2.6	4.76E-29	-0.36843	0.031	0.168	7.11E-25	monocyte	SOCS2
COL4A2.5	4.79E-29	-0.28327	0.013	0.139	7.15E-25	monocyte	COL4A2
AC004158.	5.15E-29	-0.33104	0.008	0.133	7.70E-25	monocyte	AC004158.3
APOD.7	5.44E-29	-0.80842	0.034	0.172	8.12E-25	monocyte	APOD
TNKS.8	6.15E-29	-0.27251	0.024	0.16	9.19E-25	monocyte	TNKS
C11orf73.	6.22E-29	-0.18486	0.23	0.437	9.30E-25	monocyte	C11orf73
CDC42EP1.	6.50E-29	-0.29945	0.011	0.138	9.72E-25	monocyte	CDC42EP1
C14orf1.5	7.20E-29	-0.2806	0.126	0.307	1.08E-24	monocyte	C14orf1
BCLAF1.5	7.52E-29	-0.22281	0.194	0.402	1.12E-24	monocyte	BCLAF1
KCTD3.4	7.55E-29	-0.25507	0.02	0.153	1.13E-24	monocyte	KCTD3
AC093673.	8.02E-29	-0.27596	0.043	0.19	1.20E-24	monocyte	AC093673.5
TMEM222.6	8.13E-29	-0.25845	0.113	0.294	1.21E-24	monocyte	TMEM222
CAV1.8	8.27E-29	-0.79753	0.011	0.137	1.24E-24	monocyte	CAV1
ST6GAL1.6	8.29E-29	0.465027	0.215	0.101	1.24E-24	monocyte	ST6GAL1
ARMCX3.6	8.38E-29	-0.23577	0.231	0.447	1.25E-24	monocyte	ARMCX3
ASNSD1.6	8.96E-29	-0.26621	0.11	0.285	1.34E-24	monocyte	ASNSD1
SLC44A1.5	9.39E-29	-0.38149	0.147	0.328	1.40E-24	monocyte	SLC44A1
FUS.4	9.75E-29	-0.22866	0.43	0.662	1.46E-24	monocyte	FUS
DNAJB9.5	9.90E-29	-0.30014	0.211	0.4	1.48E-24	monocyte	DNAJB9
DST.7	9.93E-29	-0.28911	0.203	0.392	1.48E-24	monocyte	DST
TGFB1I1.7	1.04E-28	-0.29179	0.011	0.137	1.55E-24	monocyte	TGFB1I1
TIMP3.6	1.09E-28	-0.32811	0.01	0.136	1.63E-24	monocyte	TIMP3
LDHB.4	1.09E-28	-0.20739	0.586	0.796	1.63E-24	monocyte	LDHB
NLGN3.6	1.10E-28	-0.31948	0.004	0.123	1.64E-24	monocyte	NLGN3
TRAP1.5	1.14E-28	-0.21432	0.099	0.272	1.70E-24	monocyte	TRAP1
TMEM106B.	1.14E-28	-0.23419	0.157	0.346	1.71E-24	monocyte	TMEM106B
EPDR1.6	1.14E-28	-0.2779	0.011	0.137	1.71E-24	monocyte	EPDR1

GNA15. 8	1. 18E-28	0. 333592	0. 219	0. 099	1. 76E-24	monocyte	GNA15
FARSB. 5	1. 21E-28	-0. 26547	0. 081	0. 246	1. 80E-24	monocyte	FARSB
CD200. 8	1. 23E-28	-0. 34327	0. 002	0. 119	1. 83E-24	monocyte	CD200
LILRA5. 2	1. 26E-28	0. 171449	0. 051	0. 009	1. 88E-24	monocyte	LILRA5
C2orf80. 7	1. 28E-28	-0. 30237	0. 007	0. 129	1. 91E-24	monocyte	C2orf80
ZNF677. 6	1. 31E-28	-0. 21993	0. 055	0. 21	1. 96E-24	monocyte	ZNF677
SEC14L2. 7	1. 34E-28	-0. 29092	0. 005	0. 125	2. 00E-24	monocyte	SEC14L2
KNOP1. 6	1. 36E-28	-0. 22765	0. 1	0. 274	2. 03E-24	monocyte	KNOP1
GNL3. 4	1. 36E-28	-0. 20431	0. 163	0. 362	2. 03E-24	monocyte	GNL3
RTKN. 8	1. 37E-28	-0. 31395	0. 039	0. 183	2. 04E-24	monocyte	RTKN
SETD5. 8	1. 41E-28	-0. 2305	0. 123	0. 303	2. 10E-24	monocyte	SETD5
ITGA7. 6	1. 41E-28	-0. 22706	0. 018	0. 147	2. 11E-24	monocyte	ITGA7
CNP. 6	1. 41E-28	-0. 39029	0. 2	0. 393	2. 11E-24	monocyte	CNP
PTX3. 7	1. 51E-28	-0. 34192	0. 005	0. 125	2. 26E-24	monocyte	PTX3
RASSF4. 8	1. 54E-28	0. 584969	0. 45	0. 318	2. 31E-24	monocyte	RASSF4
ARF4. 3	1. 57E-28	-0. 14128	0. 398	0. 642	2. 34E-24	monocyte	ARF4
CDCA7L. 5	1. 58E-28	-0. 34023	0. 025	0. 16	2. 36E-24	monocyte	CDCA7L
THYN1. 5	1. 59E-28	-0. 15249	0. 217	0. 423	2. 38E-24	monocyte	THYN1
PJA1. 6	1. 60E-28	-0. 26516	0. 053	0. 205	2. 38E-24	monocyte	PJA1
CLEC9A. 6	1. 63E-28	0. 452312	0. 093	0. 027	2. 44E-24	monocyte	CLEC9A
NPTXR. 7	1. 69E-28	-0. 27736	0. 013	0. 137	2. 52E-24	monocyte	NPTXR
TSEN34. 5	1. 71E-28	-0. 25073	0. 191	0. 384	2. 56E-24	monocyte	TSEN34
SPRY1. 7	1. 72E-28	-0. 35609	0. 086	0. 246	2. 57E-24	monocyte	SPRY1
FDPS. 5	1. 87E-28	-0. 17096	0. 221	0. 433	2. 80E-24	monocyte	FDPS
CCDC90B. 7	1. 88E-28	-0. 14872	0. 218	0. 426	2. 80E-24	monocyte	CCDC90B
JAM2. 8	1. 90E-28	-0. 2171	0. 092	0. 267	2. 84E-24	monocyte	JAM2
LSM14A. 3	1. 90E-28	-0. 24031	0. 194	0. 398	2. 84E-24	monocyte	LSM14A
RBBP4. 4	1. 92E-28	-0. 20723	0. 234	0. 448	2. 87E-24	monocyte	RBBP4
CLCN3. 6	1. 92E-28	-0. 22878	0. 094	0. 262	2. 87E-24	monocyte	CLCN3
ZCRB1. 5	1. 96E-28	-0. 26797	0. 291	0. 508	2. 93E-24	monocyte	ZCRB1
CDK6. 7	1. 97E-28	-0. 28904	0. 062	0. 218	2. 95E-24	monocyte	CDK6
SLC25A23. 2	2. 09E-28	-0. 25929	0. 017	0. 144	3. 13E-24	monocyte	SLC25A23
AUTS2. 8	2. 11E-28	-0. 29729	0. 007	0. 128	3. 15E-24	monocyte	AUTS2
DHX30. 4	2. 24E-28	-0. 27323	0. 1	0. 271	3. 35E-24	monocyte	DHX30
CCNL2. 6	2. 29E-28	-0. 26033	0. 122	0. 305	3. 43E-24	monocyte	CCNL2
GDAP1. 8	2. 35E-28	-0. 37193	0. 028	0. 163	3. 51E-24	monocyte	GDAP1
HNRNPH3. 7	2. 47E-28	-0. 18239	0. 248	0. 463	3. 70E-24	monocyte	HNRNPH3
ARSJ. 6	2. 49E-28	-0. 28057	0. 011	0. 135	3. 73E-24	monocyte	ARSJ
NRROS. 5	2. 50E-28	0. 321175	0. 156	0. 06	3. 74E-24	monocyte	NRROS
CCZ1. 5	2. 54E-28	-0. 24379	0. 172	0. 367	3. 79E-24	monocyte	CCZ1
ATP9A. 7	2. 67E-28	-0. 29477	0. 004	0. 122	3. 99E-24	monocyte	ATP9A
MED31. 3	2. 68E-28	-0. 24284	0. 07	0. 229	4. 01E-24	monocyte	MED31
ZNF771. 6	2. 73E-28	-0. 23722	0. 024	0. 157	4. 08E-24	monocyte	ZNF771
THOP1. 6	2. 76E-28	-0. 30001	0. 062	0. 214	4. 12E-24	monocyte	THOP1
PPP2R2A. 4	2. 76E-28	-0. 29581	0. 136	0. 314	4. 13E-24	monocyte	PPP2R2A
ERGIC3. 5	2. 83E-28	-0. 20925	0. 378	0. 593	4. 23E-24	monocyte	ERGIC3
SPN. 8	2. 87E-28	0. 224121	0. 135	0. 048	4. 29E-24	monocyte	SPN
NKAIN3. 7	2. 95E-28	-0. 26972	0. 011	0. 135	4. 41E-24	monocyte	NKAIN3
VDAC3. 4	3. 00E-28	-0. 14398	0. 268	0. 482	4. 48E-24	monocyte	VDAC3
GOPC. 6	3. 01E-28	-0. 27352	0. 099	0. 272	4. 50E-24	monocyte	GOPC
ZNF326. 5	3. 07E-28	-0. 26732	0. 093	0. 261	4. 59E-24	monocyte	ZNF326

GOLGA7. 2	3. 12E-28	-0. 18405	0. 264	0. 482	4. 66E-24	monocyte	GOLGA7
DTYMK. 7	3. 18E-28	-0. 2524	0. 158	0. 345	4. 75E-24	monocyte	DTYMK
LUC7L. 5	3. 24E-28	-0. 21682	0. 089	0. 259	4. 84E-24	monocyte	LUC7L
ZNF827. 6	3. 31E-28	-0. 24396	0. 005	0. 124	4. 95E-24	monocyte	ZNF827
PAQR4. 7	3. 51E-28	-0. 3058	0. 037	0. 175	5. 25E-24	monocyte	PAQR4
TAF6. 4	3. 74E-28	-0. 19352	0. 085	0. 249	5. 59E-24	monocyte	TAF6
DCTN6. 3	3. 88E-28	-0. 19606	0. 245	0. 461	5. 80E-24	monocyte	DCTN6
LAMTOR5. 4	4. 03E-28	-0. 21705	0. 491	0. 71	6. 02E-24	monocyte	LAMTOR5
LCP2. 8	4. 21E-28	0. 314382	0. 227	0. 105	6. 29E-24	monocyte	LCP2
TPM1. 6	4. 26E-28	-0. 25861	0. 097	0. 266	6. 36E-24	monocyte	TPM1
TIMM44. 4	4. 41E-28	-0. 24679	0. 103	0. 276	6. 59E-24	monocyte	TIMM44
AP4M1. 6	4. 66E-28	-0. 25771	0. 054	0. 206	6. 96E-24	monocyte	AP4M1
RBM8A. 3	4. 72E-28	-0. 15938	0. 391	0. 633	7. 06E-24	monocyte	RBM8A
PRKDC. 4	4. 78E-28	-0. 27904	0. 126	0. 307	7. 15E-24	monocyte	PRKDC
HNRNPDL. 4	5. 02E-28	-0. 14325	0. 58	0. 817	7. 50E-24	monocyte	HNRNPDL
ABCF1. 6	5. 02E-28	-0. 24541	0. 121	0. 298	7. 51E-24	monocyte	ABCF1
APOBR. 7	5. 17E-28	0. 188864	0. 103	0. 032	7. 72E-24	monocyte	APOBR
YIPF3. 7	5. 24E-28	-0. 2097	0. 282	0. 501	7. 84E-24	monocyte	YIPF3
TM7SF2. 7	5. 25E-28	-0. 29221	0. 087	0. 243	7. 85E-24	monocyte	TM7SF2
FAM32A. 5	5. 27E-28	-0. 12966	0. 253	0. 47	7. 88E-24	monocyte	FAM32A
ARAP1. 7	5. 66E-28	0. 31855	0. 212	0. 099	8. 45E-24	monocyte	ARAP1
SPTSSA. 6	6. 08E-28	-0. 23392	0. 237	0. 445	9. 09E-24	monocyte	SPTSSA
PSMD3. 4	6. 77E-28	-0. 26313	0. 22	0. 421	1. 01E-23	monocyte	PSMD3
CHST10. 5	6. 98E-28	-0. 22441	0. 02	0. 15	1. 04E-23	monocyte	CHST10
IL21R. 1	7. 09E-28	0. 163713	0. 062	0. 013	1. 06E-23	monocyte	IL21R
EPB41L3. 8	7. 21E-28	0. 333388	0. 211	0. 096	1. 08E-23	monocyte	EPB41L3
LONP1. 3	7. 42E-28	-0. 26854	0. 064	0. 217	1. 11E-23	monocyte	LONP1
CYB5D2. 5	7. 42E-28	-0. 22883	0. 084	0. 246	1. 11E-23	monocyte	CYB5D2
HDGF. 4	7. 59E-28	-0. 29497	0. 116	0. 287	1. 13E-23	monocyte	HDGF
BTG1. 7	7. 62E-28	-0. 2612	0. 525	0. 703	1. 14E-23	monocyte	BTG1
FKBP9. 6	7. 70E-28	-0. 26776	0. 046	0. 188	1. 15E-23	monocyte	FKBP9
MTHFD2L. 4	7. 90E-28	-0. 27706	0. 064	0. 219	1. 18E-23	monocyte	MTHFD2L
LINC00094	8. 16E-28	-0. 26322	0. 015	0. 139	1. 22E-23	monocyte	LINC00094
ZNF92. 6	8. 99E-28	-0. 2547	0. 025	0. 157	1. 34E-23	monocyte	ZNF92
PHLDB1. 7	9. 12E-28	-0. 3474	0. 023	0. 152	1. 36E-23	monocyte	PHLDB1
TMED4. 7	9. 23E-28	-0. 17308	0. 241	0. 455	1. 38E-23	monocyte	TMED4
DSC2. 6	9. 35E-28	0. 204099	0. 093	0. 027	1. 40E-23	monocyte	DSC2
ARFIP2. 5	9. 40E-28	-0. 29298	0. 092	0. 257	1. 40E-23	monocyte	ARFIP2
NRXN2. 8	9. 42E-28	-0. 32358	0. 007	0. 126	1. 41E-23	monocyte	NRXN2
NAGK. 5	9. 86E-28	0. 624334	0. 474	0. 373	1. 47E-23	monocyte	NAGK
NUCKS1. 5	1. 01E-27	-0. 19564	0. 443	0. 653	1. 51E-23	monocyte	NUCKS1
GNG4. 7	1. 03E-27	-0. 30089	0. 007	0. 126	1. 54E-23	monocyte	GNG4
DYNLT1. 4	1. 05E-27	-0. 13985	0. 424	0. 646	1. 57E-23	monocyte	DYNLT1
NDUF2. 4	1. 07E-27	-0. 21893	0. 112	0. 287	1. 61E-23	monocyte	NDUF2
KCNE4. 6	1. 11E-27	-0. 26437	0. 001	0. 114	1. 66E-23	monocyte	KCNE4
NT5DC2. 5	1. 16E-27	-0. 27462	0. 038	0. 175	1. 74E-23	monocyte	NT5DC2
KEAP1. 5	1. 17E-27	-0. 28164	0. 117	0. 285	1. 75E-23	monocyte	KEAP1
RP11-212I	1. 17E-27	0. 263494	0. 073	0. 018	1. 75E-23	monocyte	RP11-212I21. 4
AFF4. 6	1. 20E-27	-0. 26966	0. 168	0. 356	1. 80E-23	monocyte	AFF4
FAM104A. 4	1. 20E-27	-0. 23916	0. 091	0. 253	1. 80E-23	monocyte	FAM104A
PDLIM3. 7	1. 21E-27	-0. 4047	0. 006	0. 124	1. 81E-23	monocyte	PDLIM3



ADD1. 6	1. 21E-27	-0. 2673	0. 141	0. 322	1. 81E-23	monocyte	ADD1
PRPSAP2. 5	1. 24E-27	-0. 26489	0. 109	0. 281	1. 86E-23	monocyte	PRPSAP2
MX2. 8	1. 25E-27	0. 371354	0. 146	0. 057	1. 86E-23	monocyte	MX2
REV3L. 5	1. 25E-27	-0. 26709	0. 067	0. 222	1. 87E-23	monocyte	REV3L
DUSP4. 6	1. 28E-27	-0. 38227	0. 049	0. 191	1. 92E-23	monocyte	DUSP4
SLC25A25. 1	1. 29E-27	-0. 27201	0. 038	0. 177	1. 93E-23	monocyte	SLC25A25
ZNF75A. 7	1. 31E-27	-0. 28225	0. 07	0. 227	1. 96E-23	monocyte	ZNF75A
AP3D1. 4	1. 38E-27	-0. 27144	0. 144	0. 323	2. 06E-23	monocyte	AP3D1
SOCS3. 7	1. 43E-27	-0. 33624	0. 184	0. 363	2. 14E-23	monocyte	SOCS3
RFK. 5	1. 44E-27	-0. 28359	0. 089	0. 251	2. 15E-23	monocyte	RFK
SLC30A9. 7	1. 48E-27	-0. 26055	0. 099	0. 265	2. 22E-23	monocyte	SLC30A9
OAZ1. 4	1. 49E-27	0. 321987	0. 924	0. 926	2. 23E-23	monocyte	OAZ1
TMOD1. 6	1. 51E-27	-0. 31495	0. 031	0. 168	2. 26E-23	monocyte	TMOD1
PPP2R5B. 7	1. 71E-27	-0. 27583	0. 039	0. 178	2. 55E-23	monocyte	PPP2R5B
PSMD8. 3	1. 71E-27	-0. 14607	0. 459	0. 692	2. 56E-23	monocyte	PSMD8
KLRC2. 7	1. 84E-27	-0. 37744	0. 004	0. 119	2. 75E-23	monocyte	KLRC2
NUDT16L1. 1	1. 89E-27	-0. 26718	0. 12	0. 296	2. 82E-23	monocyte	NUDT16L1
PAXIP1-AS	2. 02E-27	-0. 28191	0. 033	0. 17	3. 01E-23	monocyte	PAXIP1-AS1
BTBD3. 7	2. 05E-27	-0. 2675	0. 021	0. 147	3. 06E-23	monocyte	BTBD3
TMEM198. 6	2. 22E-27	-0. 25109	0. 007	0. 125	3. 32E-23	monocyte	TMEM198
EFS. 6	2. 25E-27	-0. 29612	0. 002	0. 115	3. 36E-23	monocyte	EFS
TIMM17A. 3	2. 25E-27	-0. 2258	0. 192	0. 392	3. 36E-23	monocyte	TIMM17A
DNALI1. 6	2. 29E-27	-0. 29473	0. 006	0. 122	3. 42E-23	monocyte	DNALI1
MOSPD3. 4	2. 31E-27	-0. 26399	0. 129	0. 301	3. 45E-23	monocyte	MOSPD3
ARPC2. 6	2. 36E-27	0. 369709	0. 763	0. 775	3. 52E-23	monocyte	ARPC2
PDLIM7. 4	2. 53E-27	-0. 32366	0. 094	0. 251	3. 78E-23	monocyte	PDLIM7
TPM4. 6	2. 57E-27	-0. 24181	0. 309	0. 514	3. 84E-23	monocyte	TPM4
CLSTN1. 5	2. 65E-27	-0. 29375	0. 123	0. 297	3. 95E-23	monocyte	CLSTN1
TNFRSF14. 2	2. 73E-27	0. 419137	0. 22	0. 106	4. 09E-23	monocyte	TNFRSF14
IFT52. 5	2. 76E-27	-0. 21327	0. 1	0. 27	4. 12E-23	monocyte	IFT52
CDCA7. 7	2. 85E-27	-0. 37115	0. 013	0. 133	4. 25E-23	monocyte	CDCA7
PSMD11. 5	3. 05E-27	-0. 16807	0. 219	0. 424	4. 55E-23	monocyte	PSMD11
SNRPB2. 5	3. 08E-27	-0. 19176	0. 361	0. 582	4. 61E-23	monocyte	SNRPB2
CCDC80. 7	3. 13E-27	-0. 33147	0. 006	0. 122	4. 68E-23	monocyte	CCDC80
BCAT1. 6	3. 16E-27	-0. 29355	0. 087	0. 244	4. 72E-23	monocyte	BCAT1
PTTG1. 7	3. 17E-27	-0. 38735	0. 088	0. 243	4. 73E-23	monocyte	PTTG1
SLC35B2. 5	3. 22E-27	-0. 25568	0. 14	0. 315	4. 81E-23	monocyte	SLC35B2
PJA2. 6	3. 26E-27	-0. 29714	0. 173	0. 349	4. 88E-23	monocyte	PJA2
FLVCR2. 5	3. 49E-27	0. 214559	0. 096	0. 029	5. 22E-23	monocyte	FLVCR2
DEAF1. 7	3. 49E-27	-0. 20435	0. 07	0. 224	5. 22E-23	monocyte	DEAF1
RAP1A. 8	3. 54E-27	0. 519497	0. 581	0. 51	5. 30E-23	monocyte	RAP1A
HLTF. 6	3. 59E-27	-0. 24814	0. 044	0. 185	5. 37E-23	monocyte	HLTF
PYGB. 5	3. 71E-27	-0. 25664	0. 07	0. 223	5. 55E-23	monocyte	PYGB
TRA2B. 5	3. 77E-27	-0. 13777	0. 326	0. 559	5. 63E-23	monocyte	TRA2B
PPP2CA. 3	3. 77E-27	-0. 2409	0. 283	0. 497	5. 64E-23	monocyte	PPP2CA
PPP1R10. 4	3. 78E-27	-0. 18864	0. 126	0. 302	5. 64E-23	monocyte	PPP1R10
ARL6IP6. 3	3. 80E-27	-0. 23634	0. 121	0. 295	5. 68E-23	monocyte	ARL6IP6
ZIC1. 6	3. 84E-27	-0. 28168	0. 007	0. 123	5. 74E-23	monocyte	ZIC1
GAD1. 8	3. 90E-27	-0. 31569	0. 007	0. 122	5. 82E-23	monocyte	GAD1
NXT1. 4	4. 39E-27	-0. 27785	0. 149	0. 332	6. 56E-23	monocyte	NXT1
ACP1. 3	4. 42E-27	-0. 1794	0. 293	0. 517	6. 61E-23	monocyte	ACP1

ACSS3. 6	4. 45E-27	-0. 24682	0. 006	0. 121	6. 65E-23	monocyte	ACSS3
SARS. 6	4. 54E-27	-0. 263	0. 254	0. 459	6. 78E-23	monocyte	SARS
GLRX. 7	4. 59E-27	0. 483931	0. 517	0. 377	6. 86E-23	monocyte	GLRX
NDP. 6	4. 75E-27	-0. 32055	0. 006	0. 121	7. 10E-23	monocyte	NDP
PLEKHJ1. 4	4. 86E-27	-0. 18129	0. 185	0. 383	7. 27E-23	monocyte	PLEKHJ1
SOX12. 7	5. 07E-27	-0. 23067	0. 008	0. 125	7. 57E-23	monocyte	SOX12
TMEM25. 7	5. 17E-27	-0. 28736	0. 013	0. 132	7. 73E-23	monocyte	TMEM25
COQ4. 4	5. 33E-27	-0. 27134	0. 111	0. 281	7. 97E-23	monocyte	COQ4
EIF1AX. 5	5. 34E-27	-0. 14667	0. 352	0. 578	7. 98E-23	monocyte	EIF1AX
SMOX. 7	5. 42E-27	-0. 24585	0. 098	0. 26	8. 10E-23	monocyte	SMOX
HSBP1. 5	5. 44E-27	-0. 1818	0. 508	0. 733	8. 13E-23	monocyte	HSBP1
NKTR. 5	5. 48E-27	-0. 20039	0. 177	0. 373	8. 19E-23	monocyte	NKTR
C1QL1. 6	5. 61E-27	-0. 3105	0. 008	0. 124	8. 39E-23	monocyte	C1QL1
GBGT1. 7	5. 62E-27	0. 253506	0. 123	0. 043	8. 41E-23	monocyte	GBGT1
ARNT2. 7	5. 73E-27	-0. 25979	0. 006	0. 12	8. 57E-23	monocyte	ARNT2
DLX6-AS1. 6	6. 12E-27	-0. 69123	0. 019	0. 14	9. 15E-23	monocyte	DLX6-AS1
PCDHB10. 7	6. 14E-27	-0. 31488	0. 001	0. 111	9. 18E-23	monocyte	PCDHB10
CRIPT. 2	6. 49E-27	-0. 27417	0. 157	0. 341	9. 70E-23	monocyte	CRIPT
MESP1. 5	6. 51E-27	-0. 23865	0. 018	0. 141	9. 73E-23	monocyte	MESP1
GCAT. 8	6. 52E-27	-0. 25004	0. 037	0. 172	9. 74E-23	monocyte	GCAT
ZNF821. 8	6. 83E-27	-0. 2882	0. 038	0. 174	1. 02E-22	monocyte	ZNF821
LSM1. 3	6. 91E-27	-0. 20551	0. 262	0. 473	1. 03E-22	monocyte	LSM1
PAM. 7	7. 07E-27	-0. 26734	0. 039	0. 176	1. 06E-22	monocyte	PAM
LRIF1. 5	7. 08E-27	-0. 31618	0. 062	0. 209	1. 06E-22	monocyte	LRIF1
CMAS. 3	7. 24E-27	-0. 23007	0. 112	0. 28	1. 08E-22	monocyte	CMAS
TLK1. 5	7. 26E-27	-0. 27646	0. 084	0. 241	1. 08E-22	monocyte	TLK1
NUBP2. 4	7. 28E-27	-0. 2513	0. 201	0. 398	1. 09E-22	monocyte	NUBP2
YIF1A. 5	7. 37E-27	-0. 25869	0. 241	0. 441	1. 10E-22	monocyte	YIF1A
COL4A1. 5	7. 52E-27	-0. 24176	0. 006	0. 12	1. 12E-22	monocyte	COL4A1
DHCR7. 7	7. 92E-27	-0. 24901	0. 049	0. 189	1. 18E-22	monocyte	DHCR7
NTHL1. 3	7. 98E-27	-0. 29079	0. 054	0. 199	1. 19E-22	monocyte	NTHL1
RP11-346C	8. 32E-27	0. 152996	0. 028	0. 003	1. 24E-22	monocyte	RP11-346C20. 3
POLDIP2. 7	8. 44E-27	-0. 20721	0. 173	0. 362	1. 26E-22	monocyte	POLDIP2
CNPY2. 6	8. 48E-27	-0. 16708	0. 364	0. 587	1. 27E-22	monocyte	CNPY2
CHST12. 6	8. 78E-27	-0. 292	0. 099	0. 259	1. 31E-22	monocyte	CHST12
RSRC2. 2	9. 01E-27	-0. 15183	0. 272	0. 493	1. 35E-22	monocyte	RSRC2
MSM01. 6	9. 02E-27	-0. 31254	0. 066	0. 213	1. 35E-22	monocyte	MSM01
ANXA2R. 7	9. 08E-27	-0. 27	0. 031	0. 163	1. 36E-22	monocyte	ANXA2R
RNF149. 8	9. 22E-27	0. 476531	0. 397	0. 26	1. 38E-22	monocyte	RNF149
ZNF704. 7	9. 27E-27	-0. 28938	0. 014	0. 133	1. 39E-22	monocyte	ZNF704
MLC1. 7	9. 29E-27	-0. 21136	0. 029	0. 159	1. 39E-22	monocyte	MLC1
GLDN. 7	9. 89E-27	0. 420449	0. 192	0. 088	1. 48E-22	monocyte	GLDN
BRIX1. 6	9. 93E-27	-0. 27428	0. 101	0. 267	1. 48E-22	monocyte	BRIX1
EFHC1. 7	1. 02E-26	-0. 27383	0. 066	0. 218	1. 52E-22	monocyte	EFHC1
WSB2. 7	1. 05E-26	-0. 26348	0. 081	0. 236	1. 57E-22	monocyte	WSB2
PABPN1. 5	1. 07E-26	-0. 21483	0. 183	0. 37	1. 60E-22	monocyte	PABPN1
APOPT1. 4	1. 08E-26	-0. 18983	0. 204	0. 397	1. 61E-22	monocyte	APOPT1
ACYP1. 5	1. 09E-26	-0. 2918	0. 048	0. 188	1. 62E-22	monocyte	ACYP1
METTL2A. 5	1. 09E-26	-0. 23744	0. 035	0. 169	1. 63E-22	monocyte	METTL2A
TUBB. 6	1. 10E-26	-0. 14116	0. 612	0. 785	1. 64E-22	monocyte	TUBB
H2AFX. 7	1. 10E-26	-0. 31762	0. 079	0. 232	1. 64E-22	monocyte	H2AFX

NASP. 4	1. 10E-26	-0. 14706	0. 221	0. 426	1. 65E-22	monocyte	NASP
TRUB2. 4	1. 13E-26	-0. 24447	0. 071	0. 225	1. 69E-22	monocyte	TRUB2
SEPT4. 7	1. 13E-26	-0. 4469	0. 018	0. 14	1. 69E-22	monocyte	4-Sep
HMGCS1. 5	1. 13E-26	-0. 24636	0. 052	0. 195	1. 69E-22	monocyte	HMGCS1
GGCT. 7	1. 13E-26	-0. 20797	0. 199	0. 403	1. 69E-22	monocyte	GGCT
CWC27. 5	1. 18E-26	-0. 25827	0. 11	0. 277	1. 77E-22	monocyte	CWC27
PHB. 5	1. 18E-26	-0. 21205	0. 358	0. 572	1. 77E-22	monocyte	PHB
BARD1. 6	1. 21E-26	-0. 27957	0. 028	0. 157	1. 81E-22	monocyte	BARD1
GTF3C6. 4	1. 23E-26	-0. 13045	0. 306	0. 532	1. 84E-22	monocyte	GTF3C6
ZNF883. 7	1. 26E-26	-0. 25948	0. 024	0. 151	1. 88E-22	monocyte	ZNF883
SNHG7. 4	1. 31E-26	-0. 24561	0. 171	0. 362	1. 96E-22	monocyte	SNHG7
HBS1L. 5	1. 31E-26	-0. 21178	0. 056	0. 203	1. 96E-22	monocyte	HBS1L
IGFBP3. 6	1. 32E-26	-0. 6879	0. 072	0. 205	1. 97E-22	monocyte	IGFBP3
ISCU. 4	1. 33E-26	0. 463288	0. 6	0. 563	1. 99E-22	monocyte	ISCU
SEZ6. 8	1. 33E-26	-0. 32523	0. 024	0. 149	1. 99E-22	monocyte	SEZ6
RBBP7. 6	1. 36E-26	-0. 16236	0. 233	0. 441	2. 04E-22	monocyte	RBBP7
PON2. 8	1. 36E-26	-0. 30292	0. 271	0. 466	2. 04E-22	monocyte	PON2
HNRNPAB. 7	1. 40E-26	-0. 2627	0. 216	0. 413	2. 10E-22	monocyte	HNRNPAB
TCEB2. 6	1. 44E-26	-0. 14206	0. 646	0. 839	2. 15E-22	monocyte	TCEB2
FADS1. 5	1. 45E-26	-0. 24724	0. 075	0. 231	2. 17E-22	monocyte	FADS1
ENDOV. 5	1. 46E-26	-0. 2766	0. 078	0. 233	2. 18E-22	monocyte	ENDOV
TSPAN12. 6	1. 50E-26	-0. 30711	0. 013	0. 13	2. 24E-22	monocyte	TSPAN12
BZW2. 4	1. 51E-26	-0. 27763	0. 115	0. 284	2. 26E-22	monocyte	BZW2
KLHL42. 7	1. 60E-26	-0. 25937	0. 037	0. 17	2. 39E-22	monocyte	KLHL42
SP100. 7	1. 61E-26	0. 507372	0. 421	0. 275	2. 41E-22	monocyte	SP100
PPAT. 5	1. 65E-26	-0. 27426	0. 027	0. 154	2. 46E-22	monocyte	PPAT
CPED1. 5	1. 65E-26	0. 262914	0. 091	0. 027	2. 46E-22	monocyte	CPED1
NELL2. 6	1. 67E-26	-0. 31872	0. 004	0. 115	2. 50E-22	monocyte	NELL2
SH3BP5. 6	1. 73E-26	-0. 30587	0. 067	0. 213	2. 58E-22	monocyte	SH3BP5
SPRY2. 7	1. 79E-26	-0. 34341	0. 079	0. 23	2. 67E-22	monocyte	SPRY2
PEMT. 6	1. 81E-26	-0. 27549	0. 073	0. 225	2. 70E-22	monocyte	PEMT
CPXM1. 7	1. 81E-26	-0. 2674	0. 015	0. 134	2. 71E-22	monocyte	CPXM1
FAM53C. 4	1. 85E-26	-0. 22065	0. 095	0. 254	2. 77E-22	monocyte	FAM53C
ENDOD1. 6	1. 86E-26	-0. 26593	0. 026	0. 154	2. 78E-22	monocyte	ENDOD1
KCNF1. 8	1. 88E-26	-0. 32019	0. 016	0. 133	2. 80E-22	monocyte	KCNF1
C19orf25. 1	1. 88E-26	-0. 27517	0. 139	0. 313	2. 81E-22	monocyte	C19orf25
TRAPPC4. 6	1. 93E-26	-0. 13631	0. 246	0. 462	2. 88E-22	monocyte	TRAPPC4
KCNMA1. 6	1. 95E-26	0. 51257	0. 245	0. 134	2. 91E-22	monocyte	KCNMA1
DUSP14. 6	1. 96E-26	-0. 27678	0. 05	0. 191	2. 93E-22	monocyte	DUSP14
TCF12. 8	1. 97E-26	-0. 26545	0. 124	0. 298	2. 95E-22	monocyte	TCF12
SYP. 8	2. 02E-26	-0. 31329	0. 02	0. 144	3. 01E-22	monocyte	SYP
NCBP2-AS2	2. 11E-26	-0. 20701	0. 117	0. 291	3. 15E-22	monocyte	NCBP2-AS2
SEC11C. 6	2. 26E-26	-0. 1802	0. 302	0. 514	3. 38E-22	monocyte	SEC11C
TOB1. 2	2. 32E-26	-0. 25999	0. 106	0. 268	3. 47E-22	monocyte	TOB1
RP11-556E	2. 33E-26	0. 471694	0. 129	0. 048	3. 48E-22	monocyte	RP11-556E13. 1
RRM1. 6	2. 33E-26	-0. 2661	0. 054	0. 197	3. 48E-22	monocyte	RRM1
LRRN3. 7	2. 57E-26	-0. 32511	0. 008	0. 123	3. 84E-22	monocyte	LRRN3
PTPRF. 7	2. 74E-26	-0. 26004	0. 009	0. 125	4. 10E-22	monocyte	PTPRF
C5orf24. 6	2. 77E-26	-0. 22433	0. 136	0. 31	4. 13E-22	monocyte	C5orf24
FAM171B. 6	2. 77E-26	-0. 28118	0. 007	0. 12	4. 14E-22	monocyte	FAM171B
PRR4. 8	2. 92E-26	-0. 22371	0. 074	0. 229	4. 36E-22	monocyte	PRR4

TNPO2.6	2.97E-26	-0.24432	0.05	0.191	4.44E-22	monocyte	TNPO2
SLC4A4.6	3.10E-26	-0.31087	0.006	0.118	4.63E-22	monocyte	SLC4A4
NME7.8	3.17E-26	-0.2825	0.039	0.172	4.73E-22	monocyte	NME7
MAN1A2.6	3.28E-26	-0.26805	0.068	0.216	4.91E-22	monocyte	MAN1A2
TNFAIP2.6	3.38E-26	0.278633	0.162	0.067	5.06E-22	monocyte	TNFAIP2
SPOP.5	3.43E-26	-0.16044	0.141	0.324	5.12E-22	monocyte	SPOP
DLX2.8	3.72E-26	-0.45529	0.006	0.117	5.56E-22	monocyte	DLX2
AEBP1.7	3.72E-26	-0.33881	0.014	0.131	5.56E-22	monocyte	AEBP1
KIAA1191.3	3.75E-26	-0.24616	0.113	0.278	5.61E-22	monocyte	KIAA1191
CSPG5.7	3.93E-26	-0.36666	0.006	0.117	5.88E-22	monocyte	CSPG5
TRPV2.8	4.02E-26	0.262513	0.137	0.052	6.00E-22	monocyte	TRPV2
TNFRSF19.4	4.05E-26	-0.22481	0.004	0.114	6.05E-22	monocyte	TNFRSF19
MAPK6.4	4.06E-26	-0.2789	0.047	0.183	6.06E-22	monocyte	MAPK6
CHST13.2	4.28E-26	0.122669	0.059	0.013	6.40E-22	monocyte	CHST13
TRIM37.6	4.29E-26	-0.20265	0.03	0.16	6.42E-22	monocyte	TRIM37
DLD.5	4.57E-26	-0.18001	0.171	0.359	6.83E-22	monocyte	DLD
POLR2J3.7	4.73E-26	-0.23699	0.169	0.354	7.07E-22	monocyte	POLR2J3
CCDC14.5	4.80E-26	-0.278	0.084	0.24	7.17E-22	monocyte	CCDC14
STAC3.8	5.14E-26	0.346866	0.167	0.071	7.68E-22	monocyte	STAC3
SRSF6.4	5.41E-26	-0.19817	0.184	0.375	8.08E-22	monocyte	SRSF6
DLX1.8	5.53E-26	-0.40613	0.01	0.124	8.26E-22	monocyte	DLX1
CCDC130.5	5.57E-26	-0.1711	0.084	0.241	8.33E-22	monocyte	CCDC130
COA3.6	5.74E-26	-0.15373	0.284	0.494	8.57E-22	monocyte	COA3
ITGB1BP1.5	5.79E-26	-0.17434	0.214	0.402	8.65E-22	monocyte	ITGB1BP1
CLIP2.7	6.05E-26	-0.27378	0.049	0.188	9.05E-22	monocyte	CLIP2
SYAP1.7	6.08E-26	-0.18012	0.205	0.403	9.09E-22	monocyte	SYAP1
RP11-25K1	6.40E-26	-0.25048	0.002	0.109	9.56E-22	monocyte	RP11-25K19.1
ARL9.7	6.40E-26	-0.24511	0.004	0.113	9.57E-22	monocyte	ARL9
TMEM132B.6	6.48E-26	-0.24723	0.003	0.111	9.69E-22	monocyte	TMEM132B
PALM.6	6.54E-26	-0.2056	0.004	0.113	9.78E-22	monocyte	PALM
SIPA1.8	6.64E-26	0.441011	0.243	0.13	9.92E-22	monocyte	SIPA1
IL10RB-AS	6.87E-26	0.257282	0.113	0.039	1.03E-21	monocyte	IL10RB-AS1
SNRPD1.3	6.95E-26	-0.16212	0.359	0.582	1.04E-21	monocyte	SNRPD1
ADORA1.6	7.09E-26	-0.26252	0.015	0.131	1.06E-21	monocyte	ADORA1
ZNHIT3.2	7.50E-26	-0.21806	0.206	0.4	1.12E-21	monocyte	ZNHIT3
SH3BGR.6	7.55E-26	-0.38128	0.016	0.133	1.13E-21	monocyte	SH3BGR
ERRFI1.4	7.61E-26	-0.32256	0.033	0.162	1.14E-21	monocyte	ERRFI1
TRIM44.7	7.86E-26	-0.2665	0.132	0.301	1.17E-21	monocyte	TRIM44
ASNA1.5	8.18E-26	-0.19782	0.323	0.537	1.22E-21	monocyte	ASNA1
ZFR.6	8.22E-26	-0.23339	0.144	0.32	1.23E-21	monocyte	ZFR
HIP1R.7	8.25E-26	-0.31123	0.007	0.118	1.23E-21	monocyte	HIP1R
B3GALT4.5	8.29E-26	0.202265	0.11	0.037	1.24E-21	monocyte	B3GALT4
TMEM181.8	8.41E-26	-0.24498	0.041	0.174	1.26E-21	monocyte	TMEM181
UBE3A.6	8.46E-26	-0.2405	0.132	0.301	1.26E-21	monocyte	UBE3A
VEZF1.7	8.61E-26	-0.23122	0.093	0.251	1.29E-21	monocyte	VEZF1
MMP9.2	8.77E-26	0.226784	0.081	0.023	1.31E-21	monocyte	MMP9
NSFL1C.3	8.79E-26	-0.21583	0.218	0.418	1.31E-21	monocyte	NSFL1C
HSP90AA1.8	8.86E-26	-0.11203	0.728	0.902	1.32E-21	monocyte	HSP90AA1
NTRK2.7	8.92E-26	-0.49378	0.015	0.13	1.33E-21	monocyte	NTRK2
SHD.7	9.47E-26	-0.39861	0.018	0.136	1.42E-21	monocyte	SHD
TMEM121.6	9.93E-26	-0.24698	0.005	0.114	1.48E-21	monocyte	TMEM121

OXCT1. 4	9.94E-26	-0.24642	0.031	0.158	1.49E-21	monocyte	OXCT1
SERP2. 6	1.01E-25	-0.29589	0.003	0.11	1.51E-21	monocyte	SERP2
ZNF131. 6	1.03E-25	-0.2205	0.088	0.245	1.53E-21	monocyte	ZNF131
CLDN12. 8	1.03E-25	-0.27143	0.025	0.148	1.53E-21	monocyte	CLDN12
NLGN4X. 6	1.05E-25	-0.23376	0.005	0.114	1.56E-21	monocyte	NLGN4X
USP47. 4	1.08E-25	-0.2332	0.098	0.258	1.62E-21	monocyte	USP47
CEBPZ. 5	1.09E-25	-0.23013	0.117	0.285	1.63E-21	monocyte	CEBPZ
MGST1. 5	1.09E-25	-0.72607	0.03	0.155	1.64E-21	monocyte	MGST1
C12orf10. 1	1.12E-25	-0.19958	0.153	0.332	1.67E-21	monocyte	C12orf10
MAGI2. 7	1.18E-25	-0.28765	0.005	0.114	1.76E-21	monocyte	MAGI2
EIF4H. 4	1.25E-25	-0.16941	0.34	0.558	1.86E-21	monocyte	EIF4H
ZNF385D. 5	1.26E-25	-0.24334	0.008	0.12	1.89E-21	monocyte	ZNF385D
YTHDC1. 5	1.29E-25	-0.21842	0.142	0.316	1.93E-21	monocyte	YTHDC1
CCT5. 5	1.33E-25	-0.15305	0.286	0.5	1.98E-21	monocyte	CCT5
ARPP19. 5	1.34E-25	-0.17718	0.243	0.442	2.01E-21	monocyte	ARPP19
COPS7B. 4	1.40E-25	-0.19741	0.063	0.209	2.10E-21	monocyte	COPS7B
RP11-410L 1	1.41E-25	-0.2585	0.019	0.138	2.10E-21	monocyte	RP11-410L14. 2
NAV2. 5	1.43E-25	-0.27575	0.013	0.127	2.14E-21	monocyte	NAV2
SNX20. 7	1.46E-25	0.250211	0.112	0.039	2.19E-21	monocyte	SNX20
GPS1. 5	1.54E-25	-0.24877	0.162	0.339	2.30E-21	monocyte	GPS1
ACTN1. 5	1.54E-25	-0.35394	0.113	0.268	2.31E-21	monocyte	ACTN1
SLC6A8. 4	1.55E-25	-0.30467	0.013	0.127	2.31E-21	monocyte	SLC6A8
DSE. 8	1.56E-25	0.396488	0.248	0.128	2.34E-21	monocyte	DSE
SRP72. 3	1.57E-25	-0.17927	0.275	0.474	2.35E-21	monocyte	SRP72
COX7A2. 3	1.64E-25	-0.10801	0.63	0.826	2.45E-21	monocyte	COX7A2
DDX52. 5	1.68E-25	-0.1822	0.097	0.257	2.51E-21	monocyte	DDX52
SAFB. 4	1.68E-25	-0.23899	0.132	0.303	2.51E-21	monocyte	SAFB
GGPS1. 7	1.71E-25	-0.15941	0.15	0.332	2.56E-21	monocyte	GGPS1
RIMKLB. 6	1.73E-25	-0.22042	0.032	0.161	2.58E-21	monocyte	RIMKLB
ATCAY. 7	1.75E-25	-0.33927	0.015	0.13	2.62E-21	monocyte	ATCAY
RHOA. 6	1.84E-25	0.355312	0.751	0.755	2.75E-21	monocyte	RHOA
PMP22. 6	1.85E-25	-0.25383	0.259	0.442	2.76E-21	monocyte	PMP22
LCMT1. 2	1.98E-25	-0.26837	0.113	0.276	2.97E-21	monocyte	LCMT1
FSTL1. 6	2.01E-25	-0.21449	0.01	0.123	3.01E-21	monocyte	FSTL1
TMEM203. 6	2.02E-25	-0.21603	0.103	0.265	3.02E-21	monocyte	TMEM203
PSMD12. 3	2.03E-25	-0.18351	0.176	0.358	3.04E-21	monocyte	PSMD12
PFKM. 4	2.07E-25	-0.20855	0.055	0.195	3.09E-21	monocyte	PFKM
HDDC2. 3	2.08E-25	-0.1941	0.219	0.417	3.10E-21	monocyte	HDDC2
DYNLRB1. 4	2.08E-25	-0.15992	0.463	0.683	3.11E-21	monocyte	DYNLRB1
SNRPF. 4	2.09E-25	-0.14295	0.338	0.565	3.12E-21	monocyte	SNRPF
SESTD1. 5	2.12E-25	-0.30372	0.04	0.169	3.16E-21	monocyte	SESTD1
PID1. 5	2.12E-25	-0.29407	0.013	0.126	3.18E-21	monocyte	PID1
RAD21. 7	2.16E-25	-0.22764	0.193	0.382	3.23E-21	monocyte	RAD21
FAM210B. 8	2.18E-25	-0.30897	0.124	0.283	3.26E-21	monocyte	FAM210B
UBXN4. 4	2.22E-25	-0.16817	0.341	0.562	3.32E-21	monocyte	UBXN4
FAM161A. 6	2.31E-25	-0.24947	0.007	0.117	3.45E-21	monocyte	FAM161A
KYNU. 8	2.32E-25	0.313254	0.176	0.076	3.46E-21	monocyte	KYNU
ASRGL1. 7	2.34E-25	-0.28171	0.07	0.212	3.50E-21	monocyte	ASRGL1
PDCD7. 4	2.36E-25	-0.26142	0.081	0.233	3.53E-21	monocyte	PDCD7
CLUAP1. 7	2.43E-25	-0.30052	0.045	0.179	3.63E-21	monocyte	CLUAP1
LIFR. 5	2.46E-25	-0.25843	0.008	0.119	3.68E-21	monocyte	LIFR

SYT1. 8	2. 49E-25	-0. 41811	0. 003	0. 108	3. 73E-21	monocyte	SYT1
SRM. 6	2. 49E-25	-0. 28028	0. 194	0. 38	3. 73E-21	monocyte	SRM
RP11-660L	2. 51E-25	-0. 28315	0. 017	0. 133	3. 74E-21	monocyte	RP11-660L16. 2
HNRNPM. 6	2. 52E-25	-0. 19752	0. 342	0. 561	3. 76E-21	monocyte	HNRNPM
FEM1C. 3	2. 55E-25	-0. 22327	0. 026	0. 15	3. 80E-21	monocyte	FEM1C
PSPC1. 6	2. 56E-25	-0. 22483	0. 073	0. 223	3. 82E-21	monocyte	PSPC1
SMARCA5. 6	2. 59E-25	-0. 22347	0. 18	0. 363	3. 87E-21	monocyte	SMARCA5
ST3GAL6. 8	2. 59E-25	0. 422362	0. 209	0. 103	3. 87E-21	monocyte	ST3GAL6
NFIC. 4	2. 65E-25	-0. 20768	0. 265	0. 449	3. 96E-21	monocyte	NFIC
ITGB7. 5	2. 80E-25	0. 18215	0. 076	0. 021	4. 19E-21	monocyte	ITGB7
NABP2. 5	2. 82E-25	-0. 22255	0. 122	0. 289	4. 21E-21	monocyte	NABP2
KCNMB4. 7	2. 84E-25	-0. 27486	0. 017	0. 133	4. 25E-21	monocyte	KCNMB4
KDM5B. 7	2. 96E-25	-0. 23317	0. 042	0. 173	4. 42E-21	monocyte	KDM5B
PNN. 5	3. 08E-25	-0. 16251	0. 215	0. 418	4. 60E-21	monocyte	PNN
GPATCH8. 6	3. 13E-25	-0. 18446	0. 143	0. 318	4. 67E-21	monocyte	GPATCH8
ILKAP. 5	3. 19E-25	-0. 21322	0. 088	0. 241	4. 76E-21	monocyte	ILKAP
IRS2. 4	3. 35E-25	-0. 25638	0. 175	0. 363	5. 01E-21	monocyte	IRS2
DLL3. 7	3. 41E-25	-0. 45916	0. 03	0. 154	5. 09E-21	monocyte	DLL3
FRMD4A. 7	3. 41E-25	0. 448355	0. 305	0. 177	5. 09E-21	monocyte	FRMD4A
DAPP1. 7	3. 47E-25	0. 231765	0. 08	0. 023	5. 19E-21	monocyte	DAPP1
KBTBD6. 6	3. 50E-25	-0. 28425	0. 022	0. 141	5. 24E-21	monocyte	KBTBD6
RABEPK. 6	3. 55E-25	-0. 23275	0. 067	0. 211	5. 30E-21	monocyte	RABEPK
RBM4B. 6	3. 57E-25	-0. 22896	0. 061	0. 203	5. 34E-21	monocyte	RBM4B
YAE1D1. 6	3. 57E-25	-0. 28635	0. 04	0. 171	5. 34E-21	monocyte	YAE1D1
TYRO3. 7	3. 78E-25	-0. 19554	0. 008	0. 118	5. 65E-21	monocyte	TYRO3
LINC00511	3. 90E-25	-0. 26563	0. 015	0. 128	5. 83E-21	monocyte	LINC00511
RP1-39G22	4. 00E-25	-0. 22838	0. 021	0. 141	5. 98E-21	monocyte	RP1-39G22. 7
FN1. 6	4. 07E-25	-0. 41005	0. 038	0. 165	6. 08E-21	monocyte	FN1
ARHGEF26. 4	4. 12E-25	-0. 23737	0. 018	0. 134	6. 16E-21	monocyte	ARHGEF26
PXDN. 4	4. 18E-25	-0. 22802	0. 004	0. 11	6. 25E-21	monocyte	PXDN
CIAPIN1. 4	4. 23E-25	-0. 21715	0. 112	0. 273	6. 33E-21	monocyte	CIAPIN1
MTMR4. 7	4. 32E-25	-0. 23012	0. 04	0. 171	6. 46E-21	monocyte	MTMR4
PSMD14. 5	4. 39E-25	-0. 16935	0. 275	0. 484	6. 57E-21	monocyte	PSMD14
EXOSC8. 6	4. 63E-25	-0. 15064	0. 13	0. 303	6. 92E-21	monocyte	EXOSC8
RP11-395G	4. 70E-25	-0. 25667	0. 052	0. 188	7. 03E-21	monocyte	RP11-395G23. 3
CCL3L3. 5	4. 81E-25	1. 132722	0. 122	0. 048	7. 19E-21	monocyte	CCL3L3
SMARCA1. 6	4. 85E-25	-0. 16829	0. 047	0. 182	7. 24E-21	monocyte	SMARCA1
PCM1. 6	4. 86E-25	-0. 17161	0. 157	0. 339	7. 26E-21	monocyte	PCM1
KMT2A. 8	4. 88E-25	-0. 25086	0. 094	0. 249	7. 29E-21	monocyte	KMT2A
ANKS1B. 7	4. 92E-25	-0. 4194	0. 008	0. 117	7. 35E-21	monocyte	ANKS1B
TULP3. 5	5. 72E-25	-0. 22695	0. 019	0. 135	8. 55E-21	monocyte	TULP3
PRDX5. 5	5. 86E-25	-0. 20713	0. 545	0. 76	8. 76E-21	monocyte	PRDX5
STK25. 7	6. 07E-25	-0. 17187	0. 142	0. 316	9. 07E-21	monocyte	STK25
MOB1A. 8	6. 18E-25	0. 525655	0. 442	0. 331	9. 23E-21	monocyte	MOB1A
MAPK1IP1L	6. 23E-25	-0. 19598	0. 207	0. 391	9. 30E-21	monocyte	MAPK1IP1L
STAU1. 5	6. 29E-25	-0. 23458	0. 198	0. 381	9. 39E-21	monocyte	STAU1
YTHDF1. 3	6. 34E-25	-0. 26332	0. 056	0. 194	9. 48E-21	monocyte	YTHDF1
KLHDC2. 7	6. 61E-25	-0. 18165	0. 14	0. 316	9. 88E-21	monocyte	KLHDC2
USP16. 2	6. 69E-25	-0. 18543	0. 194	0. 378	1. 00E-20	monocyte	USP16
HNRNPD. 7	6. 69E-25	-0. 23167	0. 236	0. 43	1. 00E-20	monocyte	HNRNPD
AKT1S1. 4	6. 73E-25	-0. 22866	0. 097	0. 253	1. 01E-20	monocyte	AKT1S1

HSPA2. 5	6. 90E-25	-0. 50885	0. 019	0. 134	1. 03E-20	monocyte	HSPA2
CEBPD. 5	6. 94E-25	0. 411483	0. 571	0. 449	1. 04E-20	monocyte	CEBPD
OSER1-AS1	7. 00E-25	-0. 24395	0. 022	0. 141	1. 05E-20	monocyte	OSER1-AS1
VSTM2A. 6	7. 02E-25	-0. 60003	0. 007	0. 114	1. 05E-20	monocyte	VSTM2A
APC. 8	7. 04E-25	-0. 23662	0. 078	0. 225	1. 05E-20	monocyte	APC
KDM1A. 6	7. 53E-25	-0. 25559	0. 071	0. 215	1. 13E-20	monocyte	KDM1A
CKS1B. 4	7. 55E-25	-0. 23465	0. 111	0. 272	1. 13E-20	monocyte	CKS1B
FUNDC2. 2	8. 02E-25	-0. 1684	0. 219	0. 419	1. 20E-20	monocyte	FUNDC2
SMARCE1. 5	8. 24E-25	-0. 19414	0. 199	0. 394	1. 23E-20	monocyte	SMARCE1
B2M. 6	8. 35E-25	0. 266543	1	0. 968	1. 25E-20	monocyte	B2M
PLRG1. 4	8. 41E-25	-0. 25032	0. 095	0. 25	1. 26E-20	monocyte	PLRG1
YWHAZ. 3	8. 41E-25	-0. 21915	0. 343	0. 552	1. 26E-20	monocyte	YWHAZ
SRSF11. 4	8. 57E-25	-0. 20311	0. 341	0. 557	1. 28E-20	monocyte	SRSF11
NABP1. 6	8. 73E-25	0. 375126	0. 23	0. 115	1. 30E-20	monocyte	NABP1
ETS2. 8	8. 76E-25	0. 39778	0. 333	0. 196	1. 31E-20	monocyte	ETS2
R3HCC1. 5	8. 80E-25	-0. 26559	0. 136	0. 299	1. 32E-20	monocyte	R3HCC1
PTP4A2. 5	8. 85E-25	-0. 24442	0. 277	0. 469	1. 32E-20	monocyte	PTP4A2
MLF1. 5	8. 86E-25	-0. 27554	0. 102	0. 254	1. 32E-20	monocyte	MLF1
SEMA5A. 6	8. 89E-25	-0. 26008	0. 006	0. 113	1. 33E-20	monocyte	SEMA5A
TRIM28. 5	9. 20E-25	-0. 22034	0. 104	0. 263	1. 37E-20	monocyte	TRIM28
RSBN1. 6	9. 76E-25	-0. 2452	0. 08	0. 229	1. 46E-20	monocyte	RSBN1
ITGAE. 2	9. 89E-25	-0. 16752	0. 187	0. 381	1. 48E-20	monocyte	ITGAE
TDG. 5	9. 92E-25	-0. 12372	0. 12	0. 287	1. 48E-20	monocyte	TDG
FAM127B. 7	9. 98E-25	-0. 26543	0. 145	0. 314	1. 49E-20	monocyte	FAM127B
ZNF680. 6	1. 02E-24	-0. 27233	0. 05	0. 185	1. 52E-20	monocyte	ZNF680
SUDS3. 6	1. 02E-24	-0. 22316	0. 061	0. 199	1. 53E-20	monocyte	SUDS3
RB1CC1. 6	1. 09E-24	-0. 23498	0. 126	0. 29	1. 62E-20	monocyte	RB1CC1
ZRANB2. 3	1. 10E-24	-0. 24565	0. 163	0. 344	1. 65E-20	monocyte	ZRANB2
FBP1. 8	1. 10E-24	0. 339345	0. 22	0. 108	1. 65E-20	monocyte	FBP1
ANKIB1. 7	1. 11E-24	-0. 23909	0. 075	0. 22	1. 65E-20	monocyte	ANKIB1
PREPL. 6	1. 13E-24	-0. 245	0. 062	0. 2	1. 68E-20	monocyte	PREPL
PMM1. 6	1. 13E-24	-0. 25331	0. 093	0. 246	1. 69E-20	monocyte	PMM1
CARD16. 6	1. 14E-24	0. 409527	0. 36	0. 218	1. 70E-20	monocyte	CARD16
ZNF626. 4	1. 17E-24	-0. 23161	0. 03	0. 152	1. 76E-20	monocyte	ZNF626
TMC6. 8	1. 20E-24	0. 34269	0. 213	0. 102	1. 80E-20	monocyte	TMC6
PDGFRA. 7	1. 21E-24	-0. 36843	0. 035	0. 158	1. 81E-20	monocyte	PDGFRA
NAMPT. 7	1. 22E-24	-0. 29784	0. 275	0. 452	1. 82E-20	monocyte	NAMPT
SRSF1. 3	1. 29E-24	-0. 14776	0. 218	0. 413	1. 93E-20	monocyte	SRSF1
DOK1. 8	1. 29E-24	0. 488794	0. 256	0. 145	1. 93E-20	monocyte	DOK1
PLP2. 7	1. 36E-24	-0. 36786	0. 19	0. 358	2. 04E-20	monocyte	PLP2
FASTK. 5	1. 39E-24	-0. 21134	0. 173	0. 352	2. 07E-20	monocyte	FASTK
CRK. 4	1. 41E-24	-0. 221	0. 157	0. 331	2. 10E-20	monocyte	CRK
ERLEC1. 3	1. 44E-24	-0. 15489	0. 192	0. 377	2. 16E-20	monocyte	ERLEC1
CNKSR3. 7	1. 49E-24	-0. 21148	0. 015	0. 127	2. 22E-20	monocyte	CNKSR3
IL4R. 8	1. 50E-24	0. 287087	0. 152	0. 064	2. 24E-20	monocyte	IL4R
TPR. 4	1. 51E-24	-0. 16964	0. 232	0. 42	2. 25E-20	monocyte	TPR
ALDOC. 5	1. 53E-24	-0. 42165	0. 04	0. 166	2. 29E-20	monocyte	ALDOC
B4GALT5. 5	1. 56E-24	-0. 31213	0. 07	0. 208	2. 33E-20	monocyte	B4GALT5
PLA2G5. 7	1. 59E-24	-0. 45186	0. 009	0. 117	2. 38E-20	monocyte	PLA2G5
NFASC. 6	1. 61E-24	-0. 35135	0. 006	0. 111	2. 40E-20	monocyte	NFASC
ROM1. 7	1. 61E-24	-0. 33115	0. 013	0. 122	2. 40E-20	monocyte	ROM1

BSDC1. 6	1. 61E-24	-0. 14166	0. 134	0. 304	2. 40E-20	monocyte	BSDC1
LRRN1. 7	1. 64E-24	-0. 29898	0. 008	0. 115	2. 45E-20	monocyte	LRRN1
DZIP1. 6	1. 66E-24	-0. 2159	0. 006	0. 111	2. 49E-20	monocyte	DZIP1
PSMB4. 3	1. 67E-24	-0. 14689	0. 236	0. 433	2. 49E-20	monocyte	PSMB4
RAD23B. 3	1. 70E-24	-0. 21993	0. 207	0. 395	2. 54E-20	monocyte	RAD23B
SNRNP200. 1.	1. 71E-24	-0. 27068	0. 13	0. 298	2. 56E-20	monocyte	SNRNP200
ABCD3. 5	1. 74E-24	-0. 21887	0. 066	0. 207	2. 61E-20	monocyte	ABCD3
DHFR. 6	1. 77E-24	-0. 20564	0. 035	0. 161	2. 64E-20	monocyte	DHFR
ST3GAL4. 4	1. 79E-24	-0. 25985	0. 018	0. 132	2. 68E-20	monocyte	ST3GAL4
HNRNPU. 3	1. 80E-24	-0. 18798	0. 337	0. 547	2. 69E-20	monocyte	HNRNPU
ACBD6. 4	1. 86E-24	-0. 23978	0. 126	0. 29	2. 78E-20	monocyte	ACBD6
MACF1. 5	1. 93E-24	-0. 24834	0. 166	0. 336	2. 89E-20	monocyte	MACF1
CSRNP3. 7	1. 93E-24	-0. 31432	0. 004	0. 107	2. 89E-20	monocyte	CSRNP3
DNAJC18. 5	1. 94E-24	-0. 24118	0. 018	0. 132	2. 90E-20	monocyte	DNAJC18
PLK2. 5	1. 95E-24	-0. 22896	0. 026	0. 147	2. 92E-20	monocyte	PLK2
ODF3B. 8	1. 99E-24	0. 351575	0. 185	0. 086	2. 98E-20	monocyte	ODF3B
GAMT. 6	2. 00E-24	-0. 21482	0. 145	0. 313	2. 99E-20	monocyte	GAMT
CHID1. 3	2. 09E-24	-0. 20436	0. 259	0. 452	3. 13E-20	monocyte	CHID1
QDPR. 6	2. 17E-24	-0. 28234	0. 192	0. 375	3. 24E-20	monocyte	QDPR
SIGLEC11. 2.	2. 17E-24	0. 190272	0. 046	0. 009	3. 25E-20	monocyte	SIGLEC11
CTNNA1. 2	2. 20E-24	-0. 16046	0. 238	0. 438	3. 28E-20	monocyte	CTNNA1
DYNC1I1. 8	2. 24E-24	-0. 37619	0. 007	0. 113	3. 34E-20	monocyte	DYNC1I1
STXBP1. 7	2. 24E-24	-0. 26661	0. 018	0. 13	3. 35E-20	monocyte	STXBP1
POMGNT2. 6	2. 24E-24	-0. 2557	0. 03	0. 15	3. 35E-20	monocyte	POMGNT2
MAP2K2. 6	2. 27E-24	-0. 28737	0. 153	0. 315	3. 40E-20	monocyte	MAP2K2
SMIM7. 4	2. 28E-24	-0. 18755	0. 309	0. 523	3. 41E-20	monocyte	SMIM7
ACSL3. 4	2. 29E-24	-0. 24732	0. 182	0. 355	3. 42E-20	monocyte	ACSL3
RP11-798M	2. 29E-24	-0. 25459	0. 033	0. 159	3. 42E-20	monocyte	RP11-798M19. 6
CELF4. 8	2. 47E-24	-0. 38775	0. 001	0. 101	3. 69E-20	monocyte	CELF4
EZR. 6	2. 62E-24	-0. 19348	0. 18	0. 357	3. 92E-20	monocyte	EZR
ECI2. 5	2. 63E-24	-0. 24794	0. 167	0. 337	3. 93E-20	monocyte	ECI2
PRPF31. 4	2. 65E-24	-0. 1091	0. 215	0. 408	3. 96E-20	monocyte	PRPF31
TRMT6. 3	2. 75E-24	-0. 21828	0. 054	0. 189	4. 11E-20	monocyte	TRMT6
ZHX3. 5	2. 83E-24	-0. 24699	0. 017	0. 129	4. 22E-20	monocyte	ZHX3
CCT4. 4	2. 87E-24	-0. 14762	0. 356	0. 578	4. 30E-20	monocyte	CCT4
RHOJ. 6	2. 93E-24	-0. 21973	0. 005	0. 108	4. 37E-20	monocyte	RHOJ
RP11-390E	2. 99E-24	-0. 32498	0. 02	0. 134	4. 47E-20	monocyte	RP11-390E23. 6
MED17. 4	3. 06E-24	-0. 24854	0. 064	0. 201	4. 57E-20	monocyte	MED17
CHST2. 5	3. 07E-24	-0. 26676	0. 028	0. 146	4. 59E-20	monocyte	CHST2
ZCCHC17. 5	3. 22E-24	-0. 20799	0. 184	0. 366	4. 82E-20	monocyte	ZCCHC17
SMARCC2. 7	3. 24E-24	-0. 25101	0. 117	0. 276	4. 83E-20	monocyte	SMARCC2
NFYB. 4	3. 25E-24	-0. 22704	0. 058	0. 195	4. 85E-20	monocyte	NFYB
P2RY12. 4	3. 26E-24	0. 34722	0. 063	0. 016	4. 87E-20	monocyte	P2RY12
SMARCB1. 6	3. 39E-24	-0. 20614	0. 238	0. 43	5. 06E-20	monocyte	SMARCB1
DIRAS3. 7	3. 43E-24	-0. 393	0. 019	0. 133	5. 13E-20	monocyte	DIRAS3
KRR1	3. 51E-24	-0. 20464	0. 091	0. 244	5. 24E-20	monocyte	KRR1
CSNK1G3. 6	3. 51E-24	-0. 21633	0. 038	0. 163	5. 25E-20	monocyte	CSNK1G3
FES. 8	3. 68E-24	0. 338007	0. 165	0. 072	5. 51E-20	monocyte	FES
ANGPTL2. 5	3. 75E-24	-0. 32475	0. 005	0. 108	5. 60E-20	monocyte	ANGPTL2
PARVA. 6	3. 84E-24	-0. 21285	0. 003	0. 104	5. 73E-20	monocyte	PARVA
ZNF493. 6	3. 85E-24	-0. 19724	0. 04	0. 168	5. 75E-20	monocyte	ZNF493



KCTD13.7	4.07E-24	-0.23986	0.028	0.148	6.08E-20	monocyte	KCTD13
ERH.4	4.07E-24	-0.14579	0.515	0.731	6.08E-20	monocyte	ERH
DCAKD.6	4.09E-24	-0.23165	0.028	0.148	6.11E-20	monocyte	DCAKD
FARSA.3	4.22E-24	-0.23653	0.159	0.334	6.30E-20	monocyte	FARSA
CDKN2AIPN	4.22E-24	-0.16483	0.104	0.262	6.31E-20	monocyte	CDKN2AIPNL
AIF1L.7	4.26E-24	-0.39326	0.014	0.122	6.37E-20	monocyte	AIF1L
ATXN7L3B	4.30E-24	-0.2495	0.056	0.192	6.42E-20	monocyte	ATXN7L3B
ARMC1.6	4.37E-24	-0.17978	0.117	0.277	6.53E-20	monocyte	ARMC1
PDZD11.4	4.39E-24	-0.2205	0.191	0.373	6.56E-20	monocyte	PDZD11
ABCF2.5	4.45E-24	-0.27831	0.082	0.227	6.66E-20	monocyte	ABCF2
FAF2.5	4.50E-24	-0.23553	0.063	0.2	6.72E-20	monocyte	FAF2
NDUFB10.2	4.51E-24	-0.14612	0.426	0.659	6.75E-20	monocyte	NDUFB10
SECTM1.2	4.64E-24	0.121298	0.064	0.016	6.93E-20	monocyte	SECTM1
ANKRD46.6	4.83E-24	-0.26149	0.041	0.167	7.22E-20	monocyte	ANKRD46
BHLHE41.6	4.86E-24	0.544347	0.316	0.198	7.27E-20	monocyte	BHLHE41
LGALS3.6	4.94E-24	-0.47222	0.332	0.494	7.39E-20	monocyte	LGALS3
TUBB6.6	5.45E-24	-0.34395	0.062	0.195	8.15E-20	monocyte	TUBB6
TNFAIP1.6	5.50E-24	-0.2093	0.053	0.186	8.22E-20	monocyte	TNFAIP1
CNOT4.5	5.57E-24	-0.22862	0.124	0.285	8.33E-20	monocyte	CNOT4
B9D1.5	5.81E-24	-0.28876	0.006	0.109	8.68E-20	monocyte	B9D1
TXNL4A.4	5.84E-24	-0.26493	0.238	0.426	8.73E-20	monocyte	TXNL4A
PAFAH1B2	5.87E-24	-0.23627	0.167	0.34	8.78E-20	monocyte	PAFAH1B2
AKTIP.6	5.99E-24	-0.23597	0.049	0.179	8.94E-20	monocyte	AKTIP
ALDH3A2.4	6.01E-24	-0.26127	0.095	0.244	8.97E-20	monocyte	ALDH3A2
TNFAIP8.7	6.13E-24	0.346671	0.149	0.062	9.17E-20	monocyte	TNFAIP8
TMEM183A	6.26E-24	-0.21367	0.141	0.305	9.36E-20	monocyte	TMEM183A
SYNC.6	6.29E-24	-0.20025	0.052	0.187	9.41E-20	monocyte	SYNC
HSPA9.4	6.30E-24	-0.21297	0.296	0.504	9.41E-20	monocyte	HSPA9
TM4SF1.8	6.40E-24	-0.33516	0.014	0.121	9.56E-20	monocyte	TM4SF1
DOCK4.6	6.48E-24	0.41011	0.268	0.152	9.68E-20	monocyte	DOCK4
ASF1A.6	6.57E-24	-0.19901	0.095	0.247	9.81E-20	monocyte	ASF1A
ZNF580.6	6.73E-24	-0.22899	0.14	0.305	1.01E-19	monocyte	ZNF580
AKAP7.6	6.80E-24	-0.28113	0.068	0.206	1.02E-19	monocyte	AKAP7
ZNF254.5	7.03E-24	-0.25594	0.03	0.151	1.05E-19	monocyte	ZNF254
LRRTM2.7	7.09E-24	-0.23859	0.007	0.111	1.06E-19	monocyte	LRRTM2
ADNP.7	7.42E-24	-0.22102	0.066	0.204	1.11E-19	monocyte	ADNP
SERPINH1	7.58E-24	-0.27825	0.079	0.22	1.13E-19	monocyte	SERPINH1
PFDN4.6	7.63E-24	-0.15223	0.188	0.374	1.14E-19	monocyte	PFDN4
REPIN1.8	7.69E-24	-0.24183	0.126	0.287	1.15E-19	monocyte	REPIN1
TRIAP1.5	7.70E-24	-0.15944	0.151	0.328	1.15E-19	monocyte	TRIAP1
APBB2.6	8.06E-24	-0.27533	0.014	0.121	1.21E-19	monocyte	APBB2
RRAGA.3	8.16E-24	-0.21913	0.215	0.404	1.22E-19	monocyte	RRAGA
IQCK.5	8.57E-24	-0.24353	0.022	0.136	1.28E-19	monocyte	IQCK
MAP6.6	8.60E-24	-0.22068	0.004	0.104	1.29E-19	monocyte	MAP6
DCAF16.4	8.91E-24	-0.2674	0.018	0.128	1.33E-19	monocyte	DCAF16
RGS6.6	9.32E-24	-0.24745	0.001	0.098	1.39E-19	monocyte	RGS6
CRY1.4	9.34E-24	-0.24795	0.028	0.146	1.40E-19	monocyte	CRY1
NDUFS1.5	9.34E-24	-0.15146	0.11	0.268	1.40E-19	monocyte	NDUFS1
TLE2.7	9.69E-24	-0.2558	0.001	0.098	1.45E-19	monocyte	TLE2
C17orf58	9.86E-24	-0.24539	0.062	0.197	1.47E-19	monocyte	C17orf58
RIN2.6	9.88E-24	0.544687	0.22	0.117	1.48E-19	monocyte	RIN2

CLTB. 6	1. 00E-23	-0. 22413	0. 26	0. 457	1. 50E-19	monocyte	CLTB
NAP1L3. 6	1. 02E-23	-0. 27554	0. 007	0. 11	1. 52E-19	monocyte	NAP1L3
ID1. 6	1. 03E-23	-0. 30822	0. 019	0. 13	1. 54E-19	monocyte	ID1
CSAD. 6	1. 05E-23	-0. 17899	0. 047	0. 179	1. 56E-19	monocyte	CSAD
KPNA2. 5	1. 09E-23	-0. 25896	0. 197	0. 369	1. 63E-19	monocyte	KPNA2
DNM1L. 5	1. 11E-23	-0. 24857	0. 096	0. 244	1. 66E-19	monocyte	DNM1L
ELN. 5	1. 13E-23	-0. 35531	0. 011	0. 117	1. 69E-19	monocyte	ELN
FAM221A. 8	1. 14E-23	-0. 21508	0. 055	0. 189	1. 70E-19	monocyte	FAM221A
RAD23A. 4	1. 17E-23	-0. 17825	0. 372	0. 584	1. 74E-19	monocyte	RAD23A
HOXA7. 6	1. 18E-23	-0. 34634	0. 007	0. 11	1. 77E-19	monocyte	HOXA7
GABARAPL2	1. 19E-23	-0. 14388	0. 537	0. 761	1. 78E-19	monocyte	GABARAPL2
B4GALNT1. 1	1. 21E-23	-0. 4086	0. 034	0. 153	1. 81E-19	monocyte	B4GALNT1
DCUN1D5. 3	1. 24E-23	-0. 18789	0. 138	0. 301	1. 85E-19	monocyte	DCUN1D5
EFNB2. 7	1. 24E-23	-0. 19223	0. 006	0. 108	1. 86E-19	monocyte	EFNB2
DDX56. 5	1. 25E-23	-0. 17913	0. 113	0. 27	1. 87E-19	monocyte	DDX56
GLCCI1. 7	1. 31E-23	-0. 36872	0. 04	0. 161	1. 96E-19	monocyte	GLCCI1
SEC63. 3	1. 32E-23	-0. 16873	0. 216	0. 403	1. 98E-19	monocyte	SEC63
BLCAP. 5	1. 34E-23	-0. 19254	0. 14	0. 304	2. 00E-19	monocyte	BLCAP
POLR2B. 6	1. 34E-23	-0. 27523	0. 119	0. 275	2. 00E-19	monocyte	POLR2B
DCBLD2. 7	1. 34E-23	-0. 26487	0. 034	0. 153	2. 01E-19	monocyte	DCBLD2
PPP5C. 5	1. 35E-23	-0. 23964	0. 054	0. 187	2. 02E-19	monocyte	PPP5C
CKLF. 8	1. 37E-23	0. 482039	0. 584	0. 514	2. 05E-19	monocyte	CKLF
GTF2H2. 6	1. 42E-23	-0. 21443	0. 058	0. 196	2. 12E-19	monocyte	GTF2H2
TMC8. 6	1. 42E-23	0. 246405	0. 105	0. 037	2. 12E-19	monocyte	TMC8
CPT1C. 6	1. 44E-23	-0. 23321	0. 009	0. 114	2. 15E-19	monocyte	CPT1C
PPP2R1A. 5	1. 53E-23	-0. 13776	0. 32	0. 532	2. 29E-19	monocyte	PPP2R1A
TLR6. 1	1. 56E-23	0. 148146	0. 061	0. 015	2. 33E-19	monocyte	TLR6
WHSC1. 7	1. 61E-23	-0. 24358	0. 04	0. 163	2. 41E-19	monocyte	WHSC1
SRPK1. 5	1. 64E-23	-0. 22056	0. 048	0. 176	2. 45E-19	monocyte	SRPK1
FAIM. 4	1. 68E-23	-0. 23705	0. 035	0. 156	2. 52E-19	monocyte	FAIM
SNRPG. 4	1. 73E-23	-0. 17812	0. 45	0. 656	2. 58E-19	monocyte	SNRPG
LSM5. 5	1. 73E-23	-0. 13759	0. 318	0. 524	2. 59E-19	monocyte	LSM5
PLA2G15. 7	1. 74E-23	0. 483978	0. 238	0. 129	2. 59E-19	monocyte	PLA2G15
ASAP2. 6	1. 75E-23	-0. 20016	0. 004	0. 103	2. 62E-19	monocyte	ASAP2
LRRC4C. 5	1. 76E-23	-0. 2875	0. 004	0. 104	2. 63E-19	monocyte	LRRC4C
MAP4K4. 6	1. 79E-23	-0. 17396	0. 106	0. 261	2. 67E-19	monocyte	MAP4K4
UBE2N. 5	1. 81E-23	-0. 13124	0. 328	0. 539	2. 70E-19	monocyte	UBE2N
PLCB2. 8	1. 89E-23	0. 331638	0. 135	0. 054	2. 83E-19	monocyte	PLCB2
ARHGAP22. 1	1. 91E-23	0. 345009	0. 154	0. 067	2. 85E-19	monocyte	ARHGAP22
COPRS. 5	1. 98E-23	-0. 21825	0. 177	0. 348	2. 96E-19	monocyte	COPRS
HSPA13. 7	2. 01E-23	-0. 26954	0. 072	0. 211	3. 00E-19	monocyte	HSPA13
GDAP1L1. 7	2. 02E-23	-0. 35298	0. 007	0. 109	3. 02E-19	monocyte	GDAP1L1
CCNI. 6	2. 03E-23	-0. 19176	0. 541	0. 72	3. 03E-19	monocyte	CCNI
ROB2. 7	2. 03E-23	-0. 22727	0. 011	0. 116	3. 03E-19	monocyte	ROB2
SUCLG1. 5	2. 22E-23	-0. 21057	0. 257	0. 452	3. 31E-19	monocyte	SUCLG1
MYO1G. 8	2. 25E-23	0. 169549	0. 137	0. 054	3. 36E-19	monocyte	MYO1G
POMGNT1. 6	2. 38E-23	-0. 18813	0. 113	0. 271	3. 56E-19	monocyte	POMGNT1
SWI5. 6	2. 62E-23	-0. 24318	0. 103	0. 258	3. 92E-19	monocyte	SWI5
MRT04. 2	2. 73E-23	-0. 16479	0. 102	0. 258	4. 08E-19	monocyte	MRT04
POU2F2. 6	2. 74E-23	0. 40739	0. 239	0. 126	4. 10E-19	monocyte	POU2F2
TSSC4. 5	2. 81E-23	-0. 24331	0. 157	0. 326	4. 20E-19	monocyte	TSSC4

TMEM100.8	2.85E-23	-0.38228	0.001	0.096	4.26E-19	monocyte	TMEM100
ALKBH4.6	2.96E-23	-0.21938	0.071	0.209	4.42E-19	monocyte	ALKBH4
C19orf43.	3.02E-23	-0.19693	0.489	0.689	4.52E-19	monocyte	C19orf43
RP11-51J9	3.06E-23	-0.34952	0.032	0.15	4.58E-19	monocyte	RP11-51J9.5
CLASP1.7	3.12E-23	-0.19855	0.03	0.147	4.66E-19	monocyte	CLASP1
RASD1.5	3.20E-23	-0.36236	0.027	0.143	4.78E-19	monocyte	RASD1
SFRP1.7	3.55E-23	-0.21331	0.006	0.106	5.30E-19	monocyte	SFRP1
DLG1.7	3.61E-23	-0.16824	0.048	0.176	5.39E-19	monocyte	DLG1
MZT2A.5	3.68E-23	-0.2512	0.242	0.429	5.49E-19	monocyte	MZT2A
TMC03.2	3.68E-23	-0.23933	0.077	0.215	5.49E-19	monocyte	TMC03
E2F6.4	3.73E-23	-0.1275	0.033	0.154	5.57E-19	monocyte	E2F6
ELP5.4	3.75E-23	-0.15002	0.118	0.28	5.60E-19	monocyte	ELP5
INPP1.4	3.81E-23	-0.23589	0.039	0.161	5.69E-19	monocyte	INPP1
PRKRIP1.6	3.82E-23	-0.18038	0.101	0.254	5.71E-19	monocyte	PRKRIP1
TSFM.5	3.89E-23	-0.31483	0.133	0.289	5.82E-19	monocyte	TSFM
BAZ2B.5	3.93E-23	-0.18703	0.163	0.334	5.87E-19	monocyte	BAZ2B
MARK3.6	3.96E-23	-0.17692	0.136	0.301	5.91E-19	monocyte	MARK3
ADD2.6	4.06E-23	-0.24394	0.001	0.096	6.07E-19	monocyte	ADD2
BRD8.5	4.09E-23	-0.25874	0.046	0.172	6.11E-19	monocyte	BRD8
C16orf91.	4.25E-23	-0.18886	0.069	0.207	6.34E-19	monocyte	C16orf91
PCNP.4	4.38E-23	-0.17818	0.336	0.555	6.55E-19	monocyte	PCNP
FUBP1.7	4.44E-23	-0.26188	0.092	0.236	6.63E-19	monocyte	FUBP1
KIAA1549.	4.45E-23	-0.25441	0.004	0.102	6.65E-19	monocyte	KIAA1549
GSAP.6	4.49E-23	0.320016	0.16	0.072	6.71E-19	monocyte	GSAP
LAMP5.7	4.49E-23	-0.21641	0.014	0.118	6.71E-19	monocyte	LAMP5
THAP5.6	4.64E-23	-0.2091	0.057	0.19	6.93E-19	monocyte	THAP5
SNAP47.6	4.84E-23	-0.23827	0.075	0.214	7.24E-19	monocyte	SNAP47
USE1.7	4.88E-23	-0.24889	0.169	0.344	7.29E-19	monocyte	USE1
TEAD2.6	4.90E-23	-0.18762	0.002	0.098	7.33E-19	monocyte	TEAD2
NMB.7	4.93E-23	-0.3387	0.077	0.213	7.36E-19	monocyte	NMB
SIGLEC5.3	4.93E-23	0.152861	0.051	0.011	7.37E-19	monocyte	SIGLEC5
YTHDF2.6	4.94E-23	-0.12039	0.254	0.447	7.38E-19	monocyte	YTHDF2
PSMC6.4	5.03E-23	-0.17043	0.214	0.403	7.52E-19	monocyte	PSMC6
CREB3.1	5.20E-23	-0.18611	0.13	0.29	7.76E-19	monocyte	CREB3
RBM10.4	5.27E-23	-0.21846	0.074	0.214	7.87E-19	monocyte	RBM10
SRSF2.6	5.52E-23	-0.19927	0.418	0.622	8.25E-19	monocyte	SRSF2
FCGR2B.8	5.55E-23	0.405974	0.256	0.134	8.29E-19	monocyte	FCGR2B
PEF1.3	5.65E-23	-0.16431	0.163	0.333	8.44E-19	monocyte	PEF1
CXCL12.3	5.91E-23	0.326511	0.103	0.037	8.83E-19	monocyte	CXCL12
C1orf35.7	6.37E-23	-0.17698	0.118	0.276	9.51E-19	monocyte	C1orf35
GNB5.6	6.41E-23	-0.20907	0.014	0.118	9.58E-19	monocyte	GNB5
SOX21.5	6.43E-23	-0.2025	0.004	0.101	9.61E-19	monocyte	SOX21
TIMM8B.5	6.54E-23	-0.17141	0.356	0.56	9.78E-19	monocyte	TIMM8B
SUPT5H.1	6.56E-23	-0.16143	0.111	0.262	9.80E-19	monocyte	SUPT5H
ZFPL1.4	6.80E-23	-0.21795	0.099	0.247	1.02E-18	monocyte	ZFPL1
TEX30.4	6.93E-23	-0.25735	0.05	0.175	1.04E-18	monocyte	TEX30
LINC00632	6.96E-23	-0.32602	0.003	0.099	1.04E-18	monocyte	LINC00632
RHOC.5	7.03E-23	-0.25993	0.374	0.547	1.05E-18	monocyte	RHOC
SNX21.4	7.03E-23	-0.21143	0.019	0.127	1.05E-18	monocyte	SNX21
PLAUR.8	7.06E-23	0.578227	0.508	0.354	1.06E-18	monocyte	PLAUR
FLYWCH2.3	7.06E-23	-0.15199	0.157	0.323	1.06E-18	monocyte	FLYWCH2

DGCR6. 3	7. 09E-23	-0. 27098	0. 042	0. 164	1. 06E-18	monocyte	DGCR6
GTF2A2. 3	7. 15E-23	-0. 10502	0. 309	0. 516	1. 07E-18	monocyte	GTF2A2
MED21. 4	7. 26E-23	-0. 16018	0. 079	0. 222	1. 09E-18	monocyte	MED21
FADS2. 5	7. 54E-23	-0. 22058	0. 03	0. 146	1. 13E-18	monocyte	FADS2
VAPB. 5	7. 57E-23	-0. 23307	0. 071	0. 208	1. 13E-18	monocyte	VAPB
EHMT2. 7	7. 78E-23	-0. 20397	0. 073	0. 212	1. 16E-18	monocyte	EHMT2
ECH1. 4	7. 93E-23	-0. 16277	0. 357	0. 576	1. 18E-18	monocyte	ECH1
APOO. 6	7. 95E-23	-0. 18369	0. 094	0. 241	1. 19E-18	monocyte	APOO
TCF7. 5	7. 96E-23	-0. 30141	0. 033	0. 149	1. 19E-18	monocyte	TCF7
CMBL. 6	8. 22E-23	-0. 21945	0. 024	0. 135	1. 23E-18	monocyte	CMBL
PAXBP1. 6	8. 29E-23	-0. 19946	0. 045	0. 17	1. 24E-18	monocyte	PAXBP1
GIPC1. 5	8. 43E-23	-0. 27241	0. 128	0. 28	1. 26E-18	monocyte	GIPC1
GAN. 6	8. 49E-23	-0. 24923	0. 033	0. 151	1. 27E-18	monocyte	GAN
PWP1. 4	8. 51E-23	-0. 23258	0. 15	0. 316	1. 27E-18	monocyte	PWP1
HNRNPUL1. 8	8. 61E-23	-0. 20871	0. 217	0. 398	1. 29E-18	monocyte	HNRNPUL1
ORC4. 7	8. 74E-23	-0. 20818	0. 1	0. 247	1. 31E-18	monocyte	ORC4
NCOR1. 7	8. 78E-23	-0. 16698	0. 291	0. 48	1. 31E-18	monocyte	NCOR1
PDCD1LG2. 9	9. 21E-23	0. 178432	0. 073	0. 021	1. 38E-18	monocyte	PDCD1LG2
CDH4. 7	9. 40E-23	-0. 2173	0. 001	0. 094	1. 40E-18	monocyte	CDH4
RRP1. 5	9. 97E-23	-0. 19264	0. 081	0. 221	1. 49E-18	monocyte	RRP1
PRPF38A. 3	1. 01E-22	-0. 18515	0. 138	0. 304	1. 51E-18	monocyte	PRPF38A
CSNK1A1. 5	1. 01E-22	-0. 16794	0. 374	0. 574	1. 51E-18	monocyte	CSNK1A1
DENND2A. 5	1. 03E-22	-0. 22315	0. 005	0. 102	1. 53E-18	monocyte	DENND2A
ATRX. 5	1. 05E-22	-0. 17689	0. 266	0. 46	1. 57E-18	monocyte	ATRX
SF3A2. 4	1. 07E-22	-0. 17466	0. 117	0. 272	1. 60E-18	monocyte	SF3A2
AKAP6. 6	1. 08E-22	-0. 21876	0. 009	0. 11	1. 61E-18	monocyte	AKAP6
CMC2. 3	1. 09E-22	-0. 18801	0. 153	0. 318	1. 63E-18	monocyte	CMC2
HARS. 3	1. 11E-22	-0. 17813	0. 133	0. 294	1. 66E-18	monocyte	HARS
GMNN. 7	1. 12E-22	-0. 22565	0. 058	0. 187	1. 67E-18	monocyte	GMNN
RAB5A. 4	1. 13E-22	-0. 13186	0. 261	0. 465	1. 69E-18	monocyte	RAB5A
PLSCR1. 8	1. 15E-22	0. 488337	0. 469	0. 349	1. 72E-18	monocyte	PLSCR1
NPEPPS. 4	1. 16E-22	-0. 26907	0. 093	0. 236	1. 73E-18	monocyte	NPEPPS
MAN1A1. 7	1. 16E-22	0. 205556	0. 113	0. 042	1. 73E-18	monocyte	MAN1A1
STOML2. 3	1. 20E-22	-0. 16087	0. 247	0. 436	1. 79E-18	monocyte	STOML2
PSMD1. 4	1. 22E-22	-0. 1561	0. 164	0. 337	1. 82E-18	monocyte	PSMD1
ELOVL2. 8	1. 22E-22	-0. 21464	0. 007	0. 106	1. 83E-18	monocyte	ELOVL2
DYNLL2. 8	1. 24E-22	-0. 23383	0. 078	0. 217	1. 86E-18	monocyte	DYNLL2
ZNF544. 4	1. 26E-22	-0. 21111	0. 022	0. 131	1. 88E-18	monocyte	ZNF544
EIF2B1. 3	1. 26E-22	-0. 19547	0. 133	0. 296	1. 88E-18	monocyte	EIF2B1
COIL. 5	1. 31E-22	-0. 23151	0. 063	0. 196	1. 96E-18	monocyte	COIL
PEG10. 6	1. 40E-22	-0. 35269	0. 01	0. 11	2. 08E-18	monocyte	PEG10
LONRF2. 5	1. 40E-22	-0. 19768	0. 004	0. 1	2. 09E-18	monocyte	LONRF2
GSPT1. 6	1. 41E-22	-0. 19695	0. 189	0. 362	2. 11E-18	monocyte	GSPT1
CBX6. 5	1. 43E-22	-0. 23245	0. 104	0. 252	2. 13E-18	monocyte	CBX6
HLA-A. 6	1. 43E-22	0. 277749	0. 933	0. 893	2. 13E-18	monocyte	HLA-A
VEZT. 6	1. 46E-22	-0. 25684	0. 095	0. 238	2. 18E-18	monocyte	VEZT
SLC4A3. 5	1. 53E-22	-0. 20976	0. 003	0. 098	2. 28E-18	monocyte	SLC4A3
DHX9. 5	1. 54E-22	-0. 18043	0. 129	0. 292	2. 31E-18	monocyte	DHX9
LHFPL3. 8	1. 55E-22	-0. 30023	0. 021	0. 128	2. 32E-18	monocyte	LHFPL3
IARS. 4	1. 60E-22	-0. 21306	0. 081	0. 222	2. 39E-18	monocyte	IARS
EXTL2. 6	1. 63E-22	-0. 18375	0. 051	0. 178	2. 44E-18	monocyte	EXTL2

PKIA. 8	1. 67E-22	-0. 30944	0. 005	0. 101	2. 50E-18	monocyte	PKIA
TNFAIP6. 6	1. 72E-22	-0. 40202	0. 015	0. 118	2. 57E-18	monocyte	TNFAIP6
PNKD. 4	1. 75E-22	-0. 20431	0. 281	0. 473	2. 61E-18	monocyte	PNKD
PDDC1. 5	1. 75E-22	-0. 2149	0. 037	0. 156	2. 61E-18	monocyte	PDDC1
IL18BP. 1	1. 79E-22	0. 155785	0. 099	0. 035	2. 68E-18	monocyte	IL18BP
SRSF10. 5	1. 81E-22	-0. 18528	0. 103	0. 252	2. 71E-18	monocyte	SRSF10
SCAMP4. 5	1. 96E-22	-0. 14402	0. 123	0. 281	2. 93E-18	monocyte	SCAMP4
FASN. 7	2. 04E-22	-0. 20766	0. 019	0. 125	3. 04E-18	monocyte	FASN
MED27. 3	2. 10E-22	-0. 22938	0. 041	0. 161	3. 13E-18	monocyte	MED27
CMTM5. 6	2. 13E-22	-0. 49348	0. 009	0. 108	3. 19E-18	monocyte	CMTM5
CAMK2D. 5	2. 14E-22	-0. 25695	0. 11	0. 255	3. 19E-18	monocyte	CAMK2D
PGM3. 4	2. 17E-22	-0. 17145	0. 056	0. 185	3. 25E-18	monocyte	PGM3
ZNF207. 1	2. 20E-22	-0. 17307	0. 276	0. 471	3. 29E-18	monocyte	ZNF207
SYMPK. 5	2. 22E-22	-0. 25233	0. 091	0. 235	3. 32E-18	monocyte	SYMPK
C16orf13. 2	2. 23E-22	-0. 19937	0. 285	0. 475	3. 34E-18	monocyte	C16orf13
EDNRB. 5	2. 24E-22	-0. 23182	0. 068	0. 198	3. 34E-18	monocyte	EDNRB
DYNC1LI1. 2	2. 24E-22	-0. 22843	0. 126	0. 279	3. 35E-18	monocyte	DYNC1LI1
NR2C2AP. 6	2. 29E-22	-0. 16513	0. 049	0. 176	3. 41E-18	monocyte	NR2C2AP
CISD1. 6	2. 32E-22	-0. 18763	0. 18	0. 351	3. 47E-18	monocyte	CISD1
TXNDC17. 6	2. 33E-22	-0. 15482	0. 353	0. 54	3. 49E-18	monocyte	TXNDC17
TOX. 8	2. 33E-22	-0. 25031	0. 002	0. 095	3. 49E-18	monocyte	TOX
SLC25A22. 2	2. 34E-22	-0. 20929	0. 017	0. 122	3. 50E-18	monocyte	SLC25A22
ATN1. 6	2. 37E-22	-0. 22018	0. 064	0. 194	3. 54E-18	monocyte	ATN1
SMC4. 6	2. 38E-22	-0. 31743	0. 087	0. 223	3. 55E-18	monocyte	SMC4
CXCL14. 5	2. 38E-22	-0. 25688	0. 033	0. 151	3. 55E-18	monocyte	CXCL14
HOXC9. 8	2. 41E-22	-0. 31298	0. 001	0. 093	3. 60E-18	monocyte	HOXC9
TLR5. 5	2. 44E-22	0. 368331	0. 108	0. 04	3. 65E-18	monocyte	TLR5
MTFR1L. 5	2. 51E-22	-0. 15662	0. 142	0. 304	3. 74E-18	monocyte	MTFR1L
TTC32. 3	2. 52E-22	-0. 29063	0. 04	0. 159	3. 77E-18	monocyte	TTC32
SELL. 5	2. 53E-22	0. 354489	0. 093	0. 032	3. 78E-18	monocyte	SELL
LYRM5. 5	2. 58E-22	-0. 21471	0. 185	0. 355	3. 85E-18	monocyte	LYRM5
FKBP4. 6	2. 60E-22	-0. 22985	0. 171	0. 334	3. 89E-18	monocyte	FKBP4
MNAT1. 5	2. 65E-22	-0. 22317	0. 069	0. 204	3. 95E-18	monocyte	MNAT1
VPS72. 5	2. 70E-22	-0. 186	0. 133	0. 289	4. 03E-18	monocyte	VPS72
TNIK. 6	2. 77E-22	-0. 24192	0. 038	0. 153	4. 14E-18	monocyte	TNIK
PHF5A. 2	2. 80E-22	-0. 12141	0. 166	0. 342	4. 18E-18	monocyte	PHF5A
HEXA. 7	2. 81E-22	0. 464861	0. 472	0. 382	4. 19E-18	monocyte	HEXA
MEIS1. 7	2. 84E-22	-0. 21751	0. 002	0. 094	4. 25E-18	monocyte	MEIS1
AKAP9. 6	2. 92E-22	-0. 18564	0. 273	0. 465	4. 37E-18	monocyte	AKAP9
ARGLU1. 7	2. 97E-22	-0. 17783	0. 29	0. 484	4. 44E-18	monocyte	ARGLU1
PLEKH02. 8	3. 02E-22	0. 324734	0. 191	0. 094	4. 52E-18	monocyte	PLEKH02
SAP30. 5	3. 05E-22	-0. 22356	0. 103	0. 252	4. 56E-18	monocyte	SAP30
TBCC. 8	3. 05E-22	-0. 24592	0. 091	0. 233	4. 56E-18	monocyte	TBCC
NOP58. 5	3. 14E-22	-0. 15132	0. 144	0. 305	4. 69E-18	monocyte	NOP58
TOP2B. 8	3. 16E-22	-0. 24325	0. 103	0. 249	4. 72E-18	monocyte	TOP2B
FFAR4. 4	3. 19E-22	0. 228851	0. 08	0. 025	4. 77E-18	monocyte	FFAR4
SAT2. 5	3. 22E-22	-0. 14028	0. 394	0. 603	4. 81E-18	monocyte	SAT2
CBY1. 5	3. 28E-22	-0. 20149	0. 047	0. 169	4. 91E-18	monocyte	CBY1
FBX032. 8	3. 30E-22	-0. 3295	0. 044	0. 164	4. 92E-18	monocyte	FBX032
TRIM36. 8	3. 36E-22	-0. 12809	0. 063	0. 193	5. 02E-18	monocyte	TRIM36
SCAND1. 5	3. 39E-22	-0. 19416	0. 397	0. 586	5. 07E-18	monocyte	SCAND1

LAMC1. 5	3. 52E-22	-0. 20185	0. 011	0. 111	5. 26E-18	monocyte	LAMC1
ROCK2. 3	3. 74E-22	-0. 20624	0. 042	0. 161	5. 59E-18	monocyte	ROCK2
FGF1. 6	3. 79E-22	-0. 30283	0. 006	0. 102	5. 67E-18	monocyte	FGF1
TSEN15. 4	3. 87E-22	-0. 1997	0. 099	0. 245	5. 79E-18	monocyte	TSEN15
OTUD7B. 6	3. 89E-22	-0. 25286	0. 01	0. 109	5. 81E-18	monocyte	OTUD7B
YKT6. 4	3. 94E-22	-0. 22025	0. 103	0. 251	5. 89E-18	monocyte	YKT6
PEX10. 5	4. 07E-22	-0. 20711	0. 07	0. 203	6. 08E-18	monocyte	PEX10
ARID4B. 7	4. 11E-22	-0. 20323	0. 235	0. 421	6. 13E-18	monocyte	ARID4B
COQ10B. 3	4. 16E-22	-0. 21332	0. 121	0. 275	6. 22E-18	monocyte	COQ10B
BRD7. 5	4. 17E-22	-0. 18241	0. 115	0. 266	6. 23E-18	monocyte	BRD7
IKZF1. 7	4. 17E-22	0. 249402	0. 139	0. 058	6. 24E-18	monocyte	IKZF1
METTL5. 2	4. 28E-22	-0. 21169	0. 203	0. 374	6. 39E-18	monocyte	METTL5
LINC01116	4. 37E-22	-0. 16124	0. 029	0. 142	6. 52E-18	monocyte	LINC01116
HIBCH. 5	4. 40E-22	-0. 23406	0. 108	0. 256	6. 58E-18	monocyte	HIBCH
NRBP2. 6	4. 45E-22	-0. 20812	0. 022	0. 13	6. 64E-18	monocyte	NRBP2
TSN. 5	4. 80E-22	-0. 13732	0. 208	0. 392	7. 17E-18	monocyte	TSN
TRIM38. 7	4. 83E-22	0. 381293	0. 185	0. 091	7. 22E-18	monocyte	TRIM38
KIF5A. 7	4. 90E-22	-0. 34068	0. 024	0. 13	7. 32E-18	monocyte	KIF5A
SOAT1. 8	5. 11E-22	0. 482187	0. 3	0. 189	7. 64E-18	monocyte	SOAT1
LRRCC1. 5	5. 22E-22	-0. 23671	0. 032	0. 145	7. 80E-18	monocyte	LRRCC1
PPP1R8. 3	5. 22E-22	-0. 18972	0. 093	0. 234	7. 81E-18	monocyte	PPP1R8
IGSF10. 4	5. 24E-22	-0. 18041	0. 009	0. 107	7. 82E-18	monocyte	IGSF10
CAMSAP2. 6	5. 25E-22	-0. 16355	0. 041	0. 159	7. 84E-18	monocyte	CAMSAP2
LRP6. 7	5. 29E-22	-0. 21614	0. 017	0. 12	7. 90E-18	monocyte	LRP6
KALRN. 6	5. 34E-22	-0. 1768	0. 007	0. 103	7. 98E-18	monocyte	KALRN
DIXDC1. 7	5. 42E-22	-0. 25581	0. 007	0. 103	8. 10E-18	monocyte	DIXDC1
FAM172A. 6	5. 58E-22	-0. 20554	0. 072	0. 207	8. 33E-18	monocyte	FAM172A
CCDC25. 5	5. 64E-22	-0. 19269	0. 149	0. 31	8. 43E-18	monocyte	CCDC25
ST8SIA1. 5	5. 64E-22	-0. 20786	0. 005	0. 099	8. 43E-18	monocyte	ST8SIA1
DUSP12. 4	5. 68E-22	-0. 21584	0. 1	0. 247	8. 48E-18	monocyte	DUSP12
CLPP. 2	5. 70E-22	-0. 1673	0. 232	0. 413	8. 51E-18	monocyte	CLPP
TMEM35. 7	6. 03E-22	-0. 27948	0. 005	0. 099	9. 01E-18	monocyte	TMEM35
ZNF644. 3	6. 06E-22	-0. 15728	0. 113	0. 265	9. 06E-18	monocyte	ZNF644
B3GAT1. 6	6. 09E-22	-0. 27424	0. 004	0. 097	9. 10E-18	monocyte	B3GAT1
UBA7. 7	6. 32E-22	0. 432596	0. 16	0. 075	9. 45E-18	monocyte	UBA7
FAM20A. 7	6. 34E-22	0. 242506	0. 13	0. 053	9. 47E-18	monocyte	FAM20A
DPYSL2. 7	6. 36E-22	-0. 24191	0. 256	0. 438	9. 50E-18	monocyte	DPYSL2
CCL8. 2	6. 66E-22	0. 175847	0. 048	0. 01	9. 95E-18	monocyte	CCL8
HIRIP3. 5	6. 76E-22	-0. 21364	0. 051	0. 175	1. 01E-17	monocyte	HIRIP3
KLHL13. 7	6. 77E-22	-0. 19452	0. 009	0. 107	1. 01E-17	monocyte	KLHL13
CPNE4. 6	7. 13E-22	-0. 195	0. 006	0. 1	1. 07E-17	monocyte	CPNE4
CORO2B. 5	7. 43E-22	-0. 20013	0. 01	0. 109	1. 11E-17	monocyte	CORO2B
CD44. 5	7. 45E-22	-0. 44033	0. 243	0. 395	1. 11E-17	monocyte	CD44
NCL. 5	7. 70E-22	-0. 16384	0. 376	0. 571	1. 15E-17	monocyte	NCL
NKIRAS2. 3	7. 80E-22	-0. 18644	0. 123	0. 276	1. 17E-17	monocyte	NKIRAS2
REEP4. 8	7. 82E-22	0. 393684	0. 268	0. 158	1. 17E-17	monocyte	REEP4
ACSM5. 3	7. 96E-22	0. 254763	0. 086	0. 028	1. 19E-17	monocyte	ACSM5
FGF14. 7	8. 01E-22	-0. 21069	0. 002	0. 093	1. 20E-17	monocyte	FGF14
GSK3A. 6	8. 20E-22	-0. 21032	0. 07	0. 201	1. 23E-17	monocyte	GSK3A
SNCAIP. 7	8. 27E-22	-0. 18908	0. 002	0. 093	1. 24E-17	monocyte	SNCAIP
TRA2A. 3	8. 33E-22	-0. 1526	0. 184	0. 357	1. 24E-17	monocyte	TRA2A

MAOB. 6	8.69E-22	-0.31503	0.009	0.106	1.30E-17	monocyte	MAOB
ZHX1. 7	9.57E-22	-0.14963	0.081	0.22	1.43E-17	monocyte	ZHX1
STK39. 5	9.85E-22	-0.2051	0.011	0.11	1.47E-17	monocyte	STK39
MTMR9. 6	1.00E-21	-0.23604	0.069	0.2	1.50E-17	monocyte	MTMR9
RAB32. 8	1.02E-21	0.456158	0.329	0.23	1.52E-17	monocyte	RAB32
KCNQ1. 7	1.02E-21	0.241302	0.096	0.034	1.53E-17	monocyte	KCNQ1
SAP30BP. 2	1.05E-21	-0.10345	0.197	0.376	1.57E-17	monocyte	SAP30BP
SP110. 6	1.05E-21	0.514854	0.299	0.189	1.57E-17	monocyte	SP110
DLC1. 6	1.06E-21	-0.24092	0.003	0.094	1.59E-17	monocyte	DLC1
THSD1. 5	1.07E-21	-0.1959	0.007	0.102	1.60E-17	monocyte	THSD1
RABAC1. 4	1.09E-21	-0.19532	0.471	0.682	1.63E-17	monocyte	RABAC1
WLS. 6	1.09E-21	-0.21742	0.089	0.225	1.63E-17	monocyte	WLS
C7orf50. 3	1.09E-21	-0.15952	0.325	0.524	1.63E-17	monocyte	C7orf50
PHLDA3. 5	1.09E-21	-0.24154	0.056	0.181	1.63E-17	monocyte	PHLDA3
RTF1. 6	1.09E-21	-0.1585	0.256	0.446	1.64E-17	monocyte	RTF1
MMP16. 6	1.11E-21	-0.21914	0.013	0.111	1.65E-17	monocyte	MMP16
WBSCR22. 6	1.11E-21	-0.10981	0.303	0.51	1.66E-17	monocyte	WBSCR22
LAMA5. 5	1.12E-21	-0.19924	0.018	0.12	1.67E-17	monocyte	LAMA5
EAPP. 5	1.12E-21	-0.13084	0.189	0.369	1.68E-17	monocyte	EAPP
ZNRF1. 8	1.19E-21	-0.21783	0.021	0.124	1.78E-17	monocyte	ZNRF1
STOX2. 8	1.20E-21	-0.24938	0.006	0.1	1.79E-17	monocyte	STOX2
FAM212B. 6	1.21E-21	-0.26433	0.01	0.107	1.81E-17	monocyte	FAM212B
DHCR24. 5	1.22E-21	-0.23572	0.008	0.103	1.83E-17	monocyte	DHCR24
DCAF7. 5	1.23E-21	-0.23136	0.169	0.334	1.84E-17	monocyte	DCAF7
GLTP. 4	1.24E-21	-0.23551	0.129	0.28	1.85E-17	monocyte	GLTP
TTPAL. 3	1.26E-21	-0.19132	0.037	0.152	1.88E-17	monocyte	TTPAL
LINC00657	1.28E-21	-0.16649	0.178	0.345	1.91E-17	monocyte	LINC00657
COX11. 5	1.28E-21	-0.1116	0.164	0.332	1.92E-17	monocyte	COX11
FAM57B. 7	1.29E-21	-0.26538	0.006	0.1	1.92E-17	monocyte	FAM57B
DAXX. 2	1.29E-21	-0.23365	0.079	0.214	1.92E-17	monocyte	DAXX
ACTL6A. 5	1.30E-21	-0.15084	0.117	0.27	1.95E-17	monocyte	ACTL6A
CSRNP1. 8	1.31E-21	-0.33226	0.073	0.201	1.96E-17	monocyte	CSRNP1
GARS. 6	1.32E-21	-0.22349	0.15	0.306	1.98E-17	monocyte	GARS
CDKN1B. 7	1.36E-21	-0.18377	0.121	0.271	2.04E-17	monocyte	CDKN1B
SOGA1. 7	1.38E-21	-0.22093	0.046	0.165	2.06E-17	monocyte	SOGA1
SDR39U1. 4	1.39E-21	-0.15017	0.129	0.287	2.08E-17	monocyte	SDR39U1
TMEM109. 7	1.42E-21	0.538212	0.305	0.196	2.12E-17	monocyte	TMEM109
CC2D1A. 5	1.45E-21	-0.2052	0.067	0.197	2.17E-17	monocyte	CC2D1A
ECHDC3. 6	1.47E-21	0.210767	0.086	0.028	2.20E-17	monocyte	ECHDC3
YRDC. 4	1.51E-21	-0.23593	0.05	0.171	2.25E-17	monocyte	YRDC
WDR13. 3	1.60E-21	-0.21732	0.142	0.298	2.39E-17	monocyte	WDR13
CDK5R1. 8	1.63E-21	-0.26785	0.007	0.101	2.44E-17	monocyte	CDK5R1
UBA1. 3	1.67E-21	-0.20604	0.184	0.356	2.49E-17	monocyte	UBA1
AP001055. 6	1.69E-21	0.32563	0.16	0.073	2.53E-17	monocyte	AP001055. 6
TMEM108. 5	1.69E-21	-0.20013	0	0.087	2.53E-17	monocyte	TMEM108
PPM1B. 4	1.71E-21	-0.20013	0.154	0.313	2.56E-17	monocyte	PPM1B
LMNB1. 7	1.71E-21	-0.26071	0.042	0.159	2.56E-17	monocyte	LMNB1
CRCP. 5	1.74E-21	-0.22031	0.064	0.192	2.59E-17	monocyte	CRCP
MLLT3. 6	1.74E-21	-0.21772	0.007	0.101	2.60E-17	monocyte	MLLT3
PTP4A3. 5	1.80E-21	-0.21643	0.004	0.095	2.68E-17	monocyte	PTP4A3
PFDN6. 4	1.80E-21	-0.19021	0.191	0.367	2.69E-17	monocyte	PFDN6

SAE1.5	1.81E-21	-0.18232	0.133	0.286	2.71E-17	monocyte	SAE1
NDUFB9.3	1.82E-21	-0.12682	0.499	0.706	2.72E-17	monocyte	NDUFB9
COA4.3	1.90E-21	-0.15154	0.222	0.401	2.84E-17	monocyte	COA4
ATL1.5	1.92E-21	-0.26888	0.021	0.124	2.87E-17	monocyte	ATL1
UQCC1.4	1.93E-21	-0.2	0.052	0.175	2.88E-17	monocyte	UQCC1
PIK3R5.7	1.94E-21	0.205188	0.111	0.042	2.89E-17	monocyte	PIK3R5
GLG1.6	1.96E-21	-0.17819	0.125	0.279	2.93E-17	monocyte	GLG1
C14orf132	1.98E-21	-0.3157	0.006	0.099	2.95E-17	monocyte	C14orf132
CRISPLD1	1.98E-21	-0.23166	0.005	0.097	2.95E-17	monocyte	CRISPLD1
CPNE3.5	2.07E-21	-0.20618	0.18	0.344	3.10E-17	monocyte	CPNE3
USP5.3	2.10E-21	-0.20561	0.095	0.236	3.14E-17	monocyte	USP5
ENDOG.6	2.13E-21	-0.18595	0.041	0.157	3.18E-17	monocyte	ENDOG
ERAL1.3	2.14E-21	-0.17489	0.106	0.252	3.20E-17	monocyte	ERAL1
ZNF521.5	2.16E-21	-0.19889	0.002	0.091	3.22E-17	monocyte	ZNF521
SLC10A4.7	2.19E-21	-0.19181	0.009	0.104	3.27E-17	monocyte	SLC10A4
CARS.5	2.23E-21	-0.23217	0.091	0.231	3.33E-17	monocyte	CARS
MDFI.6	2.38E-21	-0.22832	0.004	0.095	3.56E-17	monocyte	MDFI
PAIP1.8	2.43E-21	-0.16137	0.23	0.41	3.63E-17	monocyte	PAIP1
SLC35F2.4	2.45E-21	-0.17462	0.016	0.116	3.67E-17	monocyte	SLC35F2
RAN.5	2.50E-21	-0.11435	0.572	0.773	3.73E-17	monocyte	RAN
SUCLA2.6	2.51E-21	-0.10665	0.139	0.3	3.75E-17	monocyte	SUCLA2
DCTN2.3	2.57E-21	-0.20519	0.327	0.523	3.84E-17	monocyte	DCTN2
PSMB2.4	2.58E-21	-0.17777	0.383	0.591	3.85E-17	monocyte	PSMB2
CPSF6.5	2.58E-21	-0.16828	0.177	0.343	3.86E-17	monocyte	CPSF6
KCNIP1.6	2.65E-21	-0.26085	0.01	0.106	3.95E-17	monocyte	KCNIP1
SLC12A5.6	2.65E-21	0.365803	0.175	0.085	3.96E-17	monocyte	SLC12A5
PTPN13.6	2.66E-21	-0.20281	0.007	0.101	3.98E-17	monocyte	PTPN13
XRCC5.7	2.69E-21	-0.1313	0.367	0.578	4.01E-17	monocyte	XRCC5
WASF1.5	2.85E-21	-0.24391	0.008	0.102	4.27E-17	monocyte	WASF1
RUNX3.6	2.89E-21	0.114269	0.096	0.033	4.32E-17	monocyte	RUNX3
DIRAS1.6	2.89E-21	-0.23651	0.02	0.121	4.33E-17	monocyte	DIRAS1
SLC25A36	2.91E-21	-0.15768	0.123	0.282	4.34E-17	monocyte	SLC25A36
KIDINS220	2.93E-21	-0.26225	0.135	0.281	4.38E-17	monocyte	KIDINS220
STIM2.4	2.98E-21	-0.13486	0.049	0.172	4.45E-17	monocyte	STIM2
RAC2.8	3.10E-21	0.271682	0.218	0.11	4.63E-17	monocyte	RAC2
KCNK6.6	3.18E-21	0.202658	0.097	0.035	4.76E-17	monocyte	KCNK6
CASC15.7	3.19E-21	-0.25509	0.011	0.107	4.76E-17	monocyte	CASC15
ARIH2.3	3.23E-21	-0.1941	0.112	0.262	4.82E-17	monocyte	ARIH2
POSTN.7	3.28E-21	-0.40007	0.033	0.138	4.90E-17	monocyte	POSTN
PRRT2.6	3.31E-21	-0.20023	0.006	0.098	4.94E-17	monocyte	PRRT2
TAOK1.5	3.32E-21	-0.23968	0.123	0.271	4.96E-17	monocyte	TAOK1
FRMD4B.8	3.33E-21	0.38459	0.263	0.15	4.97E-17	monocyte	FRMD4B
C12orf29	3.37E-21	-0.15115	0.044	0.163	5.03E-17	monocyte	C12orf29
HABP4.4	3.39E-21	-0.17602	0.023	0.128	5.07E-17	monocyte	HABP4
JMJD6.4	3.40E-21	-0.18827	0.139	0.295	5.08E-17	monocyte	JMJD6
ARHGEF2.7	3.41E-21	-0.19353	0.147	0.301	5.09E-17	monocyte	ARHGEF2
ANAPC5.5	3.46E-21	-0.12998	0.224	0.411	5.17E-17	monocyte	ANAPC5
TRIM16.6	3.46E-21	-0.14359	0.029	0.138	5.17E-17	monocyte	TRIM16
IGF2BP3.6	3.47E-21	-0.19819	0.017	0.116	5.19E-17	monocyte	IGF2BP3
GRAMD3.8	3.62E-21	-0.22041	0.037	0.149	5.41E-17	monocyte	GRAMD3
EBPL.5	3.75E-21	-0.16443	0.15	0.316	5.61E-17	monocyte	EBPL



HSP90AB1.	3. 77E-21	-0. 1146	0. 665	0. 834	5. 63E-17	monocyte	HSP90AB1
TCF3.	5 3. 83E-21	-0. 14201	0. 029	0. 138	5. 72E-17	monocyte	TCF3
ZNF444.	6 3. 90E-21	-0. 25029	0. 051	0. 17	5. 82E-17	monocyte	ZNF444
H2AFV.	6 3. 90E-21	-0. 19311	0. 341	0. 538	5. 83E-17	monocyte	H2AFV
PSMD13.	3 3. 90E-21	-0. 13423	0. 241	0. 428	5. 83E-17	monocyte	PSMD13
CYHR1.	6 3. 94E-21	-0. 21998	0. 137	0. 291	5. 88E-17	monocyte	CYHR1
MBP.	3 3. 96E-21	0. 27355	0. 36	0. 227	5. 92E-17	monocyte	MBP
AP000476.	4. 07E-21	0. 196791	0. 041	0. 008	6. 08E-17	monocyte	AP000476. 1
LSM2.	4 4. 08E-21	-0. 16754	0. 279	0. 462	6. 10E-17	monocyte	LSM2
ZFAND2A.	6 4. 25E-21	-0. 23708	0. 141	0. 296	6. 36E-17	monocyte	ZFAND2A
COMMD2.	5 4. 26E-21	-0. 15581	0. 141	0. 302	6. 37E-17	monocyte	COMMD2
MTG2.	3 4. 32E-21	-0. 1607	0. 04	0. 157	6. 45E-17	monocyte	MTG2
LGR4.	8 4. 40E-21	-0. 18738	0. 014	0. 11	6. 57E-17	monocyte	LGR4
CEP57.	5 4. 43E-21	-0. 22681	0. 101	0. 241	6. 62E-17	monocyte	CEP57
THAP2.	2 4. 74E-21	-0. 12599	0. 028	0. 135	7. 08E-17	monocyte	THAP2
PPHLN1.	4 4. 74E-21	-0. 18254	0. 204	0. 381	7. 08E-17	monocyte	PPHLN1
PAK4.	4 4. 80E-21	-0. 18798	0. 021	0. 124	7. 17E-17	monocyte	PAK4
PIGU.	5 4. 99E-21	-0. 20775	0. 056	0. 181	7. 46E-17	monocyte	PIGU
BCAM.	6 5. 00E-21	-0. 22438	0. 018	0. 117	7. 48E-17	monocyte	BCAM
EXTL3.	5 5. 07E-21	-0. 17728	0. 031	0. 14	7. 58E-17	monocyte	EXTL3
ZNF738.	8 5. 08E-21	-0. 2193	0. 04	0. 153	7. 60E-17	monocyte	ZNF738
PLAC8.	7 5. 34E-21	0. 449661	0. 139	0. 062	7. 98E-17	monocyte	PLAC8
NLGN2.	6 5. 38E-21	-0. 19304	0. 007	0. 099	8. 05E-17	monocyte	NLGN2
PIPOX.	7 5. 44E-21	-0. 25037	0. 033	0. 141	8. 12E-17	monocyte	PIPOX
IPO5.	4 5. 62E-21	-0. 19458	0. 09	0. 227	8. 40E-17	monocyte	IPO5
DOHH.	4 5. 64E-21	-0. 23561	0. 075	0. 204	8. 43E-17	monocyte	DOHH
NME4.	5 5. 64E-21	-0. 17573	0. 222	0. 396	8. 43E-17	monocyte	NME4
ZFAND5.	8 5. 74E-21	-0. 16268	0. 289	0. 478	8. 58E-17	monocyte	ZFAND5
TSR1.	4 5. 79E-21	-0. 17199	0. 07	0. 2	8. 66E-17	monocyte	TSR1
TSR3.	5 5. 81E-21	-0. 21556	0. 136	0. 288	8. 68E-17	monocyte	TSR3
RARS2.	3 5. 94E-21	-0. 17479	0. 07	0. 201	8. 87E-17	monocyte	RARS2
ATXN10.	4 6. 04E-21	-0. 13389	0. 252	0. 436	9. 03E-17	monocyte	ATXN10
C11orf58.	6. 25E-21	-0. 11304	0. 497	0. 704	9. 34E-17	monocyte	C11orf58
WDR41.	4 6. 44E-21	-0. 18174	0. 096	0. 237	9. 63E-17	monocyte	WDR41
VPS26B.	6 6. 48E-21	-0. 2156	0. 103	0. 243	9. 69E-17	monocyte	VPS26B
PCID2.	3 6. 72E-21	-0. 20693	0. 064	0. 19	1. 00E-16	monocyte	PCID2
ACAD8.	4 6. 86E-21	-0. 17171	0. 066	0. 193	1. 03E-16	monocyte	ACAD8
FAXC.	7 7. 02E-21	-0. 23766	0. 004	0. 093	1. 05E-16	monocyte	FAXC
RTN4.	8 7. 03E-21	-0. 17197	0. 55	0. 713	1. 05E-16	monocyte	RTN4
C3orf70.	7 7. 11E-21	-0. 23229	0. 013	0. 108	1. 06E-16	monocyte	C3orf70
TBRG4.	5 7. 16E-21	-0. 22238	0. 106	0. 249	1. 07E-16	monocyte	TBRG4
ITM2C.	8 7. 36E-21	-0. 16601	0. 242	0. 433	1. 10E-16	monocyte	ITM2C
LY6H.	7 7. 46E-21	-0. 35558	0. 004	0. 093	1. 12E-16	monocyte	LY6H
SPATA33.	6 7. 65E-21	-0. 21456	0. 042	0. 155	1. 14E-16	monocyte	SPATA33
ACTR6.	4 7. 66E-21	-0. 13769	0. 102	0. 246	1. 14E-16	monocyte	ACTR6
TIMP4.	6 7. 88E-21	-0. 36764	0. 013	0. 109	1. 18E-16	monocyte	TIMP4
PCED1B.	6 7. 88E-21	0. 246112	0. 09	0. 031	1. 18E-16	monocyte	PCED1B
PPP4R2.	2 7. 90E-21	-0. 16609	0. 124	0. 274	1. 18E-16	monocyte	PPP4R2
PMPCA.	5 7. 93E-21	-0. 18746	0. 111	0. 258	1. 18E-16	monocyte	PMPCA
CADM3.	6 8. 15E-21	-0. 37778	0. 013	0. 108	1. 22E-16	monocyte	CADM3
PAPSS1.	3 8. 82E-21	-0. 24567	0. 153	0. 307	1. 32E-16	monocyte	PAPSS1

KRIT1.7	8.92E-21	-0.22452	0.092	0.228	1.33E-16	monocyte	KRIT1
MOAP1.6	9.03E-21	-0.17537	0.092	0.228	1.35E-16	monocyte	MOAP1
COX19.3	9.05E-21	-0.21691	0.104	0.242	1.35E-16	monocyte	COX19
SRRM2.4	9.11E-21	-0.13767	0.35	0.548	1.36E-16	monocyte	SRRM2
NCOA6.7	9.22E-21	-0.17239	0.034	0.145	1.38E-16	monocyte	NCOA6
SYBU.6	9.44E-21	-0.22035	0.005	0.094	1.41E-16	monocyte	SYBU
TBC1D20.4	9.48E-21	-0.16824	0.067	0.193	1.42E-16	monocyte	TBC1D20
SF1.5	9.51E-21	-0.1345	0.324	0.523	1.42E-16	monocyte	SF1
SMC3.6	9.55E-21	-0.18613	0.145	0.298	1.43E-16	monocyte	SMC3
LINC00844	9.58E-21	-0.37249	0.017	0.114	1.43E-16	monocyte	LINC00844
CHMP2A.4	9.76E-21	-0.13086	0.46	0.672	1.46E-16	monocyte	CHMP2A
U2SURP.4	9.81E-21	-0.15314	0.21	0.384	1.47E-16	monocyte	U2SURP
C17orf100	1.02E-20	-0.19517	0.007	0.098	1.53E-16	monocyte	C17orf100
TMEM37.4	1.10E-20	0.31162	0.133	0.057	1.64E-16	monocyte	TMEM37
SLC39A7.3	1.14E-20	-0.13454	0.157	0.318	1.71E-16	monocyte	SLC39A7
KXD1.5	1.16E-20	-0.18599	0.278	0.464	1.73E-16	monocyte	KXD1
AMOTL2.5	1.17E-20	-0.2584	0.002	0.088	1.75E-16	monocyte	AMOTL2
PPP2R5E.6	1.21E-20	-0.20158	0.113	0.259	1.81E-16	monocyte	PPP2R5E
DESI2.3	1.21E-20	-0.22085	0.076	0.205	1.81E-16	monocyte	DESI2
PLEKHA4.7	1.22E-20	-0.20085	0.029	0.135	1.82E-16	monocyte	PLEKHA4
LRRC59.4	1.23E-20	-0.16816	0.198	0.372	1.84E-16	monocyte	LRRC59
BDP1.4	1.24E-20	-0.16278	0.11	0.257	1.86E-16	monocyte	BDP1
ARRDC3.2	1.26E-20	-0.23201	0.158	0.314	1.88E-16	monocyte	ARRDC3
THOC2.2	1.27E-20	-0.16004	0.159	0.317	1.90E-16	monocyte	THOC2
ITGA3.5	1.27E-20	-0.22622	0.013	0.106	1.90E-16	monocyte	ITGA3
SNRNP25.4	1.36E-20	-0.14929	0.198	0.363	2.03E-16	monocyte	SNRNP25
CCDC58.4	1.41E-20	-0.12719	0.04	0.153	2.10E-16	monocyte	CCDC58
ZFP36.5	1.41E-20	0.385991	0.699	0.562	2.11E-16	monocyte	ZFP36
ANP32E.6	1.42E-20	-0.26595	0.135	0.279	2.12E-16	monocyte	ANP32E
EWSR1.3	1.42E-20	-0.13552	0.283	0.481	2.13E-16	monocyte	EWSR1
TRAPPC2P1	1.43E-20	-0.22924	0.097	0.235	2.14E-16	monocyte	TRAPPC2P1
ISG20L2.5	1.44E-20	-0.21422	0.098	0.236	2.15E-16	monocyte	ISG20L2
LINC00152	1.46E-20	-0.31542	0.13	0.27	2.19E-16	monocyte	LINC00152
ZNF358.6	1.47E-20	-0.21307	0.055	0.174	2.20E-16	monocyte	ZNF358
PAX6.5	1.48E-20	-0.18962	0.001	0.085	2.21E-16	monocyte	PAX6
STX2.6	1.51E-20	-0.19173	0.018	0.116	2.26E-16	monocyte	STX2
SCRN1.7	1.53E-20	-0.19535	0.065	0.19	2.28E-16	monocyte	SCRN1
TUBG1.6	1.54E-20	-0.21697	0.106	0.245	2.30E-16	monocyte	TUBG1
VIPR2.7	1.56E-20	-0.31869	0.003	0.09	2.33E-16	monocyte	VIPR2
ZNF138.6	1.60E-20	-0.26371	0.043	0.155	2.40E-16	monocyte	ZNF138
OXR1.7	1.64E-20	-0.16796	0.116	0.264	2.46E-16	monocyte	OXR1
RPAP2.5	1.68E-20	-0.19792	0.069	0.195	2.51E-16	monocyte	RPAP2
MPPED2.6	1.68E-20	-0.23626	0.007	0.097	2.51E-16	monocyte	MPPED2
NOVA2.6	1.68E-20	-0.20362	0.002	0.087	2.52E-16	monocyte	NOVA2
PHF19.6	1.76E-20	-0.22805	0.031	0.138	2.64E-16	monocyte	PHF19
POLR3H.4	1.78E-20	-0.10938	0.092	0.226	2.66E-16	monocyte	POLR3H
N6AMT2.5	1.80E-20	-0.19794	0.033	0.141	2.69E-16	monocyte	N6AMT2
DNAAF2.7	1.82E-20	-0.15843	0.059	0.183	2.72E-16	monocyte	DNAAF2
MTSS1L.5	1.82E-20	-0.19381	0.009	0.101	2.73E-16	monocyte	MTSS1L
UBTF.6	1.85E-20	-0.19837	0.099	0.238	2.76E-16	monocyte	UBTF
RPRD1A.5	1.87E-20	-0.15536	0.082	0.219	2.79E-16	monocyte	RPRD1A

CACNG7.5	1.87E-20	-0.18111	0.004	0.091	2.80E-16	monocyte	CACNG7
CACYBP.4	1.89E-20	-0.16974	0.326	0.522	2.82E-16	monocyte	CACYBP
KPNB1.7	1.89E-20	-0.16406	0.278	0.463	2.83E-16	monocyte	KPNB1
PIANP.6	1.99E-20	-0.19021	0.003	0.089	2.97E-16	monocyte	PIANP
ZNF593.3	2.00E-20	-0.18334	0.16	0.314	2.99E-16	monocyte	ZNF593
CAPRIN1.6	2.06E-20	-0.16307	0.17	0.333	3.07E-16	monocyte	CAPRIN1
FGFBP3.6	2.17E-20	-0.19902	0.014	0.108	3.24E-16	monocyte	FGFBP3
TMEM5.6	2.18E-20	-0.16601	0.086	0.219	3.26E-16	monocyte	TMEM5
GSTO1.7	2.20E-20	0.436297	0.541	0.448	3.29E-16	monocyte	GSTO1
ECI1.5	2.27E-20	-0.15128	0.089	0.224	3.39E-16	monocyte	ECI1
STRADB.4	2.31E-20	-0.22094	0.097	0.231	3.46E-16	monocyte	STRADB
CXXC4.7	2.31E-20	-0.22604	0.001	0.085	3.46E-16	monocyte	CXXC4
FBLN1.7	2.36E-20	-0.32717	0.005	0.092	3.53E-16	monocyte	FBLN1
GGT7.6	2.36E-20	-0.11756	0.054	0.175	3.53E-16	monocyte	GGT7
ERF.6	2.37E-20	-0.19856	0.063	0.187	3.54E-16	monocyte	ERF
CSE1L.7	2.37E-20	-0.16667	0.095	0.234	3.54E-16	monocyte	CSE1L
PLAT.5	2.39E-20	-0.22743	0.025	0.128	3.58E-16	monocyte	PLAT
ZNF814.4	2.41E-20	-0.21879	0.027	0.131	3.61E-16	monocyte	ZNF814
TRIM47.8	2.43E-20	-0.30632	0.069	0.189	3.63E-16	monocyte	TRIM47
SRR.6	2.43E-20	-0.2228	0.049	0.163	3.64E-16	monocyte	SRR
FIGN.6	2.54E-20	-0.18562	0.006	0.095	3.79E-16	monocyte	FIGN
MKKS.4	2.54E-20	-0.12149	0.245	0.418	3.80E-16	monocyte	MKKS
ATP5J.3	2.57E-20	-0.13259	0.559	0.768	3.84E-16	monocyte	ATP5J
EGR1.6	2.57E-20	-0.24871	0.333	0.51	3.84E-16	monocyte	EGR1
NUMBL.5	2.60E-20	-0.18232	0.007	0.097	3.89E-16	monocyte	NUMBL
RGMB.7	2.64E-20	-0.29242	0.033	0.141	3.94E-16	monocyte	RGMB
CCDC181.6	2.69E-20	-0.245	0.002	0.086	4.02E-16	monocyte	CCDC181
ACTR10.5	2.72E-20	-0.18542	0.2	0.374	4.07E-16	monocyte	ACTR10
EID2B.6	2.73E-20	-0.17082	0.007	0.097	4.08E-16	monocyte	EID2B
EIF2AK1.5	2.74E-20	-0.18983	0.183	0.345	4.09E-16	monocyte	EIF2AK1
HKR1.7	2.79E-20	-0.14051	0.023	0.125	4.17E-16	monocyte	HKR1
GS1-124K5	2.82E-20	-0.25779	0.022	0.122	4.21E-16	monocyte	GS1-124K5.4
PHACTR3.7	2.88E-20	-0.28587	0.001	0.084	4.30E-16	monocyte	PHACTR3
C19orf12.2	2.92E-20	-0.18316	0.041	0.152	4.37E-16	monocyte	C19orf12
SREK1.6	2.94E-20	-0.21036	0.172	0.336	4.40E-16	monocyte	SREK1
THRAP3.6	2.95E-20	-0.16233	0.268	0.453	4.41E-16	monocyte	THRAP3
LRRC47.6	3.01E-20	-0.18973	0.093	0.227	4.50E-16	monocyte	LRRC47
SRSF4.5	3.03E-20	-0.19889	0.203	0.374	4.53E-16	monocyte	SRSF4
RFXANK.3	3.07E-20	-0.24477	0.18	0.337	4.59E-16	monocyte	RFXANK
CCDC66.7	3.19E-20	-0.14497	0.099	0.241	4.77E-16	monocyte	CCDC66
ZFP82.6	3.28E-20	-0.19776	0.019	0.117	4.90E-16	monocyte	ZFP82
ZNF793.5	3.29E-20	-0.22264	0.02	0.118	4.92E-16	monocyte	ZNF793
DOLPP1.5	3.32E-20	-0.19351	0.015	0.109	4.96E-16	monocyte	DOLPP1
NGDN.4	3.34E-20	-0.19742	0.126	0.275	4.99E-16	monocyte	NGDN
PDS5B.5	3.35E-20	-0.18826	0.057	0.177	5.00E-16	monocyte	PDS5B
CUTA.7	3.36E-20	-0.10564	0.487	0.699	5.02E-16	monocyte	CUTA
CYSTM1.7	3.36E-20	-0.27797	0.187	0.337	5.03E-16	monocyte	CYSTM1
CELF5.8	3.39E-20	-0.27984	0.008	0.098	5.07E-16	monocyte	CELF5
TMEM11.5	3.52E-20	-0.19802	0.17	0.332	5.26E-16	monocyte	TMEM11
ABHD17C.4	3.54E-20	-0.1632	0.004	0.09	5.29E-16	monocyte	ABHD17C
SLC25A33.3	3.58E-20	-0.22062	0.096	0.229	5.35E-16	monocyte	SLC25A33

RNF167. 2	3. 62E-20	-0. 13257	0. 245	0. 422	5. 40E-16	monocyte	RNF167
PITX1. 6	3. 68E-20	-0. 16001	0. 005	0. 092	5. 50E-16	monocyte	PITX1
DHRS13. 4	3. 72E-20	-0. 17111	0. 013	0. 105	5. 56E-16	monocyte	DHRS13
LXN. 4	3. 80E-20	0. 234974	0. 07	0. 021	5. 68E-16	monocyte	LXN
DDX24. 1	3. 82E-20	-0. 14322	0. 302	0. 498	5. 71E-16	monocyte	DDX24
UBE2J2. 6	3. 89E-20	-0. 18701	0. 185	0. 348	5. 82E-16	monocyte	UBE2J2
PTK7. 4	3. 99E-20	-0. 16039	0. 01	0. 101	5. 96E-16	monocyte	PTK7
FAM89B. 7	4. 04E-20	-0. 22059	0. 119	0. 258	6. 03E-16	monocyte	FAM89B
ASH1L. 5	4. 05E-20	-0. 14087	0. 164	0. 323	6. 05E-16	monocyte	ASH1L
MLST8. 4	4. 05E-20	-0. 16741	0. 109	0. 248	6. 05E-16	monocyte	MLST8
MPDZ. 5	4. 12E-20	-0. 19848	0. 006	0. 093	6. 16E-16	monocyte	MPDZ
TLCD1. 6	4. 15E-20	-0. 161	0. 003	0. 088	6. 20E-16	monocyte	TLCD1
POR. 3	4. 20E-20	-0. 12177	0. 129	0. 277	6. 28E-16	monocyte	POR
DKC1. 3	4. 46E-20	-0. 23806	0. 132	0. 277	6. 67E-16	monocyte	DKC1
SLN. 5	4. 77E-20	-0. 55122	0. 056	0. 171	7. 12E-16	monocyte	SLN
PIK3R3. 6	4. 78E-20	-0. 12052	0. 033	0. 141	7. 14E-16	monocyte	PIK3R3
NDUFS6. 3	4. 81E-20	-0. 15005	0. 449	0. 643	7. 19E-16	monocyte	NDUFS6
FUBP3. 4	4. 82E-20	-0. 17236	0. 111	0. 251	7. 21E-16	monocyte	FUBP3
UAP1. 4	4. 84E-20	-0. 20054	0. 072	0. 195	7. 23E-16	monocyte	UAP1
CCDC109B. 4	4. 94E-20	-0. 20024	0. 204	0. 362	7. 38E-16	monocyte	CCDC109B
MAGOHB. 5	4. 95E-20	-0. 17487	0. 108	0. 249	7. 40E-16	monocyte	MAGOHB
PTCD3. 5	4. 97E-20	-0. 18459	0. 101	0. 241	7. 43E-16	monocyte	PTCD3
ACTL6B. 7	4. 98E-20	-0. 31382	0. 001	0. 083	7. 44E-16	monocyte	ACTL6B
UBE2I. 4	5. 05E-20	-0. 1098	0. 386	0. 594	7. 54E-16	monocyte	UBE2I
MEOX2. 6	5. 09E-20	-0. 21877	0. 002	0. 085	7. 61E-16	monocyte	MEOX2
RAD1. 4	5. 09E-20	-0. 1844	0. 066	0. 188	7. 61E-16	monocyte	RAD1
IFI27L1. 4	5. 29E-20	-0. 17692	0. 071	0. 196	7. 91E-16	monocyte	IFI27L1
MIB2. 6	5. 40E-20	-0. 20468	0. 046	0. 158	8. 07E-16	monocyte	MIB2
ZC3H15. 3	5. 46E-20	-0. 10348	0. 325	0. 52	8. 16E-16	monocyte	ZC3H15
HOXD11. 5	5. 49E-20	-0. 1701	0. 001	0. 083	8. 20E-16	monocyte	HOXD11
FAM78A. 6	5. 55E-20	0. 300681	0. 088	0. 031	8. 30E-16	monocyte	FAM78A
MT1X. 6	5. 63E-20	-0. 17188	0. 407	0. 593	8. 41E-16	monocyte	MT1X
SIRPA. 8	5. 65E-20	0. 427727	0. 337	0. 235	8. 45E-16	monocyte	SIRPA
GSPT2. 6	5. 66E-20	-0. 19137	0. 045	0. 158	8. 46E-16	monocyte	GSPT2
GLRX5. 6	5. 70E-20	-0. 20132	0. 156	0. 309	8. 52E-16	monocyte	GLRX5
TPP1. 7	5. 74E-20	0. 467696	0. 413	0. 315	8. 58E-16	monocyte	TPP1
RPS6KL1. 7	5. 77E-20	-0. 22899	0. 015	0. 108	8. 62E-16	monocyte	RPS6KL1
PLVAP. 4	5. 84E-20	0. 325228	0. 077	0. 025	8. 73E-16	monocyte	PLVAP
PSTPIP2. 5	5. 97E-20	0. 221729	0. 102	0. 039	8. 92E-16	monocyte	PSTPIP2
GUK1. 5	6. 21E-20	-0. 15378	0. 524	0. 719	9. 27E-16	monocyte	GUK1
TNRC6A. 4	6. 53E-20	-0. 19686	0. 091	0. 225	9. 75E-16	monocyte	TNRC6A
TUBB4A. 8	6. 53E-20	-0. 39846	0. 026	0. 126	9. 76E-16	monocyte	TUBB4A
TMEM43. 3	6. 60E-20	-0. 11491	0. 074	0. 202	9. 86E-16	monocyte	TMEM43
ATG12. 2	6. 66E-20	-0. 13746	0. 193	0. 359	9. 95E-16	monocyte	ATG12
PLCB1. 6	6. 70E-20	-0. 19291	0. 003	0. 087	1. 00E-15	monocyte	PLCB1
ANKRD36. 5	6. 82E-20	-0. 18251	0. 07	0. 195	1. 02E-15	monocyte	ANKRD36
PSMB6. 2	6. 83E-20	-0. 11103	0. 511	0. 712	1. 02E-15	monocyte	PSMB6
ZNF43. 6	6. 84E-20	-0. 13773	0. 038	0. 146	1. 02E-15	monocyte	ZNF43
ZNF429. 7	6. 89E-20	-0. 21679	0. 032	0. 138	1. 03E-15	monocyte	ZNF429
MPHOSPH10	7. 00E-20	-0. 11467	0. 106	0. 249	1. 05E-15	monocyte	MPHOSPH10
ST7. 3	7. 09E-20	-0. 26597	0. 019	0. 114	1. 06E-15	monocyte	ST7

SENCR. 4	7. 15E-20	0. 136034	0. 058	0. 016	1. 07E-15	monocyte	SENCR
ACTR3B. 5	7. 55E-20	-0. 19076	0. 019	0. 115	1. 13E-15	monocyte	ACTR3B
MMAB. 4	7. 66E-20	-0. 1963	0. 08	0. 207	1. 14E-15	monocyte	MMAB
PSMG3. 7	7. 79E-20	-0. 18718	0. 182	0. 34	1. 16E-15	monocyte	PSMG3
LMCD1. 5	7. 90E-20	-0. 1895	0. 006	0. 092	1. 18E-15	monocyte	LMCD1
DCTN1. 5	8. 14E-20	-0. 16591	0. 093	0. 227	1. 22E-15	monocyte	DCTN1
ADAM19. 4	8. 21E-20	-0. 20589	0. 003	0. 086	1. 23E-15	monocyte	ADAM19
C9orf3. 6	8. 23E-20	-0. 28708	0. 018	0. 112	1. 23E-15	monocyte	C9orf3
HNRNPH1. 3	8. 23E-20	-0. 14793	0. 283	0. 472	1. 23E-15	monocyte	HNRNPH1
FXYD7. 7	8. 41E-20	-0. 34414	0. 002	0. 085	1. 26E-15	monocyte	FXYD7
FLAD1. 4	8. 56E-20	-0. 14317	0. 105	0. 243	1. 28E-15	monocyte	FLAD1
KANK2. 4	8. 64E-20	-0. 17347	0. 009	0. 098	1. 29E-15	monocyte	KANK2
KLF10. 5	8. 82E-20	-0. 28938	0. 11	0. 244	1. 32E-15	monocyte	KLF10
PRKCZ. 8	9. 12E-20	-0. 23648	0. 016	0. 108	1. 36E-15	monocyte	PRKCZ
LAP3. 6	9. 15E-20	0. 510108	0. 555	0. 486	1. 37E-15	monocyte	LAP3
GLO1. 6	9. 20E-20	-0. 11645	0. 247	0. 425	1. 38E-15	monocyte	GLO1
ANKRD17. 6	9. 28E-20	-0. 21847	0. 095	0. 228	1. 39E-15	monocyte	ANKRD17
SDF2. 3	9. 49E-20	-0. 14466	0. 205	0. 37	1. 42E-15	monocyte	SDF2
MRGBP. 4	9. 60E-20	-0. 17468	0. 045	0. 156	1. 44E-15	monocyte	MRGBP
MOCS2. 6	9. 64E-20	-0. 20883	0. 132	0. 275	1. 44E-15	monocyte	MOCS2
ZNF667. 7	9. 83E-20	-0. 20035	0. 004	0. 088	1. 47E-15	monocyte	ZNF667
BOC. 5	9. 89E-20	-0. 18393	0. 007	0. 094	1. 48E-15	monocyte	BOC
TMEM57. 6	9. 92E-20	-0. 20806	0. 066	0. 184	1. 48E-15	monocyte	TMEM57
SRRT. 5	9. 98E-20	-0. 12888	0. 094	0. 228	1. 49E-15	monocyte	SRRT
THAP9-AS1	1. 00E-19	-0. 10811	0. 096	0. 233	1. 50E-15	monocyte	THAP9-AS1
DHX33. 5	1. 01E-19	-0. 22041	0. 028	0. 129	1. 50E-15	monocyte	DHX33
LONRF1. 5	1. 01E-19	-0. 17945	0. 014	0. 105	1. 50E-15	monocyte	LONRF1
PCNA. 6	1. 04E-19	-0. 137	0. 17	0. 328	1. 55E-15	monocyte	PCNA
ARMC10. 5	1. 04E-19	-0. 19454	0. 156	0. 309	1. 55E-15	monocyte	ARMC10
ELAVL2. 8	1. 05E-19	-0. 2765	0. 003	0. 086	1. 57E-15	monocyte	ELAVL2
PNO1. 3	1. 05E-19	-0. 19901	0. 085	0. 213	1. 57E-15	monocyte	PNO1
AKIRIN2. 5	1. 06E-19	-0. 18669	0. 224	0. 395	1. 59E-15	monocyte	AKIRIN2
FBXW9. 3	1. 07E-19	-0. 17216	0. 022	0. 12	1. 59E-15	monocyte	FBXW9
AMZ2. 3	1. 07E-19	-0. 19467	0. 224	0. 394	1. 60E-15	monocyte	AMZ2
MUM1. 8	1. 07E-19	-0. 15642	0. 206	0. 378	1. 61E-15	monocyte	MUM1
NTMT1. 2	1. 08E-19	-0. 13946	0. 178	0. 337	1. 61E-15	monocyte	NTMT1
FAM84B. 6	1. 08E-19	-0. 23804	0. 007	0. 094	1. 62E-15	monocyte	FAM84B
CD300C. 8	1. 09E-19	0. 237628	0. 14	0. 061	1. 63E-15	monocyte	CD300C
PPIL1. 4	1. 10E-19	-0. 15061	0. 076	0. 205	1. 64E-15	monocyte	PPIL1
EPHA4. 5	1. 11E-19	-0. 16971	0. 004	0. 088	1. 67E-15	monocyte	EPHA4
SIK3. 5	1. 12E-19	-0. 21927	0. 019	0. 114	1. 67E-15	monocyte	SIK3
TP53RK. 3	1. 17E-19	-0. 151	0. 075	0. 201	1. 75E-15	monocyte	TP53RK
ACD. 5	1. 18E-19	-0. 13581	0. 059	0. 178	1. 76E-15	monocyte	ACD
CTNNBIP1.	1. 18E-19	-0. 21294	0. 094	0. 225	1. 77E-15	monocyte	CTNNBIP1
USP48. 3	1. 19E-19	-0. 2148	0. 093	0. 226	1. 78E-15	monocyte	USP48
USP10. 4	1. 19E-19	-0. 13709	0. 112	0. 255	1. 78E-15	monocyte	USP10
OSMR. 6	1. 21E-19	-0. 16591	0. 006	0. 092	1. 81E-15	monocyte	OSMR
DNAJB1. 5	1. 22E-19	-0. 10552	0. 416	0. 627	1. 83E-15	monocyte	DNAJB1
PCDHB2. 6	1. 22E-19	-0. 17158	0. 003	0. 086	1. 83E-15	monocyte	PCDHB2
HOXA10. 8	1. 23E-19	-0. 27212	0. 002	0. 084	1. 84E-15	monocyte	HOXA10
KLHL35. 7	1. 25E-19	-0. 38485	0. 013	0. 101	1. 87E-15	monocyte	KLHL35

ZNF506.5	1.26E-19	-0.19898	0.028	0.129	1.89E-15	monocyte	ZNF506
AASS.5	1.26E-19	-0.18508	0.024	0.123	1.89E-15	monocyte	AASS
FAM69C.7	1.27E-19	-0.17365	0.002	0.084	1.89E-15	monocyte	FAM69C
SURF2.6	1.28E-19	-0.14073	0.104	0.243	1.91E-15	monocyte	SURF2
CARD11.6	1.28E-19	0.177574	0.074	0.024	1.91E-15	monocyte	CARD11
PRDX4.7	1.29E-19	-0.12774	0.367	0.562	1.93E-15	monocyte	PRDX4
REEP1.8	1.30E-19	-0.22204	0.004	0.088	1.94E-15	monocyte	REEP1
TMEM136.5	1.37E-19	-0.2091	0.008	0.095	2.05E-15	monocyte	TMEM136
GNAO1.6	1.39E-19	-0.23439	0.009	0.098	2.07E-15	monocyte	GNAO1
TIMM17B.1	1.41E-19	-0.12612	0.189	0.356	2.10E-15	monocyte	TIMM17B
ZNF281.5	1.41E-19	-0.23464	0.072	0.195	2.11E-15	monocyte	ZNF281
PLA2G12A.1	1.41E-19	-0.21743	0.111	0.245	2.11E-15	monocyte	PLA2G12A
GFOD2.5	1.42E-19	-0.1944	0.035	0.14	2.12E-15	monocyte	GFOD2
UBE2C.8	1.42E-19	-0.41505	0.027	0.124	2.13E-15	monocyte	UBE2C
DCHS1.7	1.42E-19	-0.17766	0.006	0.091	2.13E-15	monocyte	DCHS1
SOX5.6	1.43E-19	-0.19084	0.008	0.096	2.13E-15	monocyte	SOX5
LYRM7.5	1.45E-19	-0.14164	0.084	0.212	2.16E-15	monocyte	LYRM7
PTBP2.6	1.47E-19	-0.24647	0.019	0.113	2.20E-15	monocyte	PTBP2
FAM228B.7	1.48E-19	-0.17068	0.092	0.226	2.20E-15	monocyte	FAM228B
TRIO.6	1.50E-19	-0.22423	0.063	0.182	2.24E-15	monocyte	TRIO
MAZ.6	1.52E-19	-0.16305	0.119	0.262	2.27E-15	monocyte	MAZ
SBNO1.5	1.56E-19	-0.22547	0.134	0.277	2.33E-15	monocyte	SBNO1
KCMF1.4	1.57E-19	-0.22196	0.077	0.201	2.34E-15	monocyte	KCMF1
CCDC88A.6	1.63E-19	-0.13365	0.248	0.431	2.43E-15	monocyte	CCDC88A
DPY19L1.5	1.70E-19	-0.17593	0.018	0.112	2.53E-15	monocyte	DPY19L1
FAM96A.6	1.71E-19	0.46908	0.437	0.349	2.55E-15	monocyte	FAM96A
USP46.8	1.71E-19	-0.20036	0.04	0.146	2.56E-15	monocyte	USP46
SNRPA1.5	1.77E-19	-0.19373	0.156	0.307	2.64E-15	monocyte	SNRPA1
MSANTD4.5	1.82E-19	-0.1966	0.031	0.134	2.73E-15	monocyte	MSANTD4
KIF3B.8	1.85E-19	-0.15816	0.034	0.138	2.76E-15	monocyte	KIF3B
CD93.8	1.88E-19	0.275347	0.143	0.064	2.80E-15	monocyte	CD93
TRIM22.6	1.88E-19	0.41478	0.224	0.127	2.81E-15	monocyte	TRIM22
NDUFA9.3	1.91E-19	-0.12864	0.222	0.398	2.85E-15	monocyte	NDUFA9
MAP6D1.6	1.93E-19	-0.21886	0.005	0.089	2.88E-15	monocyte	MAP6D1
PCOLCE2.3	1.94E-19	-0.25105	0.005	0.089	2.90E-15	monocyte	PCOLCE2
RP9.6	1.97E-19	-0.20459	0.069	0.189	2.94E-15	monocyte	RP9
IDI1.6	1.99E-19	-0.20298	0.178	0.337	2.97E-15	monocyte	IDI1
PKD1.5	2.01E-19	-0.23494	0.027	0.126	3.00E-15	monocyte	PKD1
PTER.3	2.04E-19	0.194339	0.061	0.017	3.05E-15	monocyte	PTER
ZNF512.6	2.05E-19	-0.1989	0.03	0.132	3.07E-15	monocyte	ZNF512
PRUNE2.6	2.06E-19	-0.2883	0.026	0.125	3.08E-15	monocyte	PRUNE2
CEACAM4.6	2.09E-19	0.132406	0.067	0.02	3.13E-15	monocyte	CEACAM4
MED24.6	2.09E-19	-0.18131	0.061	0.178	3.13E-15	monocyte	MED24
TMEM47.6	2.09E-19	-0.18359	0.004	0.087	3.13E-15	monocyte	TMEM47
CENPT.5	2.09E-19	-0.16149	0.074	0.2	3.13E-15	monocyte	CENPT
RIT2.7	2.10E-19	-0.34079	0.002	0.083	3.13E-15	monocyte	RIT2
ELOVL6.6	2.12E-19	-0.18881	0.011	0.1	3.17E-15	monocyte	ELOVL6
POU2F1.7	2.23E-19	-0.21343	0.055	0.17	3.33E-15	monocyte	POU2F1
MGARP.4	2.23E-19	-0.16628	0.004	0.087	3.34E-15	monocyte	MGARP
TMEM99.5	2.26E-19	-0.21551	0.033	0.136	3.38E-15	monocyte	TMEM99
FGF20.4	2.26E-19	0.246458	0.054	0.014	3.38E-15	monocyte	FGF20

ABHD17B. 8	2. 27E-19	-0. 23322	0. 031	0. 133	3. 40E-15	monocyte	ABHD17B
RBM42. 4	2. 33E-19	-0. 17242	0. 227	0. 4	3. 48E-15	monocyte	RBM42
FAM110B. 6	2. 35E-19	-0. 19763	0. 072	0. 197	3. 52E-15	monocyte	FAM110B
MCC. 5	2. 37E-19	-0. 11218	0. 028	0. 13	3. 54E-15	monocyte	MCC
ZMYND8. 6	2. 46E-19	-0. 21233	0. 089	0. 218	3. 67E-15	monocyte	ZMYND8
TMED2. 4	2. 47E-19	-0. 13505	0. 419	0. 629	3. 70E-15	monocyte	TMED2
WASF3. 5	2. 50E-19	-0. 19529	0. 002	0. 082	3. 73E-15	monocyte	WASF3
SNRPB. 4	2. 54E-19	-0. 12103	0. 416	0. 592	3. 80E-15	monocyte	SNRPB
NDUFV1. 3	2. 56E-19	-0. 12259	0. 305	0. 495	3. 83E-15	monocyte	NDUFV1
ICA1L. 5	2. 61E-19	-0. 22029	0. 016	0. 107	3. 90E-15	monocyte	ICA1L
SLC25A18. 2	2. 62E-19	-0. 25743	0. 008	0. 094	3. 91E-15	monocyte	SLC25A18
PDE4B. 6	2. 62E-19	-0. 17254	0. 142	0. 288	3. 92E-15	monocyte	PDE4B
Clorf109. 2	2. 65E-19	-0. 17765	0. 035	0. 141	3. 96E-15	monocyte	Clorf109
TSSC1. 3	2. 71E-19	-0. 12418	0. 126	0. 272	4. 06E-15	monocyte	TSSC1
ELOVL4. 6	2. 72E-19	-0. 2013	0. 004	0. 086	4. 07E-15	monocyte	ELOVL4
NUPL2. 4	2. 81E-19	-0. 14228	0. 133	0. 28	4. 21E-15	monocyte	NUPL2
RNF216. 3	2. 85E-19	-0. 18578	0. 106	0. 241	4. 25E-15	monocyte	RNF216
ARFGAP2. 4	2. 85E-19	-0. 18528	0. 149	0. 304	4. 26E-15	monocyte	ARFGAP2
CALM3. 7	2. 88E-19	-0. 1258	0. 4	0. 61	4. 31E-15	monocyte	CALM3
NOP16. 6	2. 89E-19	-0. 17216	0. 081	0. 209	4. 32E-15	monocyte	NOP16
HMGCR. 5	2. 96E-19	-0. 17467	0. 021	0. 116	4. 42E-15	monocyte	HMGCR
TRMT11. 5	3. 00E-19	-0. 19811	0. 026	0. 125	4. 49E-15	monocyte	TRMT11
HMCES. 2	3. 01E-19	-0. 19566	0. 062	0. 178	4. 50E-15	monocyte	HMCES
RAB6A. 7	3. 04E-19	-0. 13735	0. 234	0. 408	4. 54E-15	monocyte	RAB6A
CHGB. 5	3. 06E-19	-0. 25828	0. 008	0. 094	4. 58E-15	monocyte	CHGB
CBLN4. 8	3. 09E-19	-0. 24343	0. 004	0. 086	4. 62E-15	monocyte	CBLN4
VPS25. 3	3. 12E-19	-0. 11101	0. 181	0. 343	4. 67E-15	monocyte	VPS25
TAL1. 4	3. 12E-19	0. 270871	0. 085	0. 03	4. 67E-15	monocyte	TAL1
FAM57A. 4	3. 16E-19	-0. 15295	0. 013	0. 101	4. 73E-15	monocyte	FAM57A
TADA3. 2	3. 18E-19	-0. 17521	0. 233	0. 404	4. 75E-15	monocyte	TADA3
ID2. 5	3. 22E-19	0. 452939	0. 704	0. 65	4. 81E-15	monocyte	ID2
SBK1. 8	3. 33E-19	-0. 23577	0	0. 078	4. 97E-15	monocyte	SBK1
SH3GL1. 4	3. 39E-19	-0. 12613	0. 123	0. 261	5. 07E-15	monocyte	SH3GL1
ATAD3A. 3	3. 53E-19	-0. 18298	0. 05	0. 161	5. 28E-15	monocyte	ATAD3A
GNA11. 3	3. 53E-19	-0. 17589	0. 02	0. 114	5. 28E-15	monocyte	GNA11
CTB-3102C	3. 57E-19	-0. 14878	0. 024	0. 122	5. 34E-15	monocyte	CTB-31020. 2
MGP. 7	3. 58E-19	-0. 72411	0. 019	0. 111	5. 35E-15	monocyte	MGP
ZNF830. 5	3. 63E-19	-0. 19232	0. 076	0. 201	5. 42E-15	monocyte	ZNF830
GNPDA2. 5	3. 65E-19	-0. 18922	0. 031	0. 133	5. 46E-15	monocyte	GNPDA2
Clorf198. 3	3. 69E-19	-0. 29937	0. 02	0. 112	5. 52E-15	monocyte	Clorf198
UBE2T. 7	3. 80E-19	-0. 29127	0. 034	0. 135	5. 67E-15	monocyte	UBE2T
IRF2BP2. 6	3. 85E-19	-0. 19309	0. 176	0. 328	5. 76E-15	monocyte	IRF2BP2
ITGB2-AS1	3. 90E-19	0. 267156	0. 074	0. 024	5. 83E-15	monocyte	ITGB2-AS1
CPD. 4	3. 92E-19	-0. 21123	0. 056	0. 169	5. 85E-15	monocyte	CPD
FDX1L. 4	3. 92E-19	-0. 15135	0. 125	0. 271	5. 87E-15	monocyte	FDX1L
RERE. 7	3. 96E-19	-0. 13493	0. 091	0. 221	5. 91E-15	monocyte	RERE
SIAH1. 6	4. 02E-19	-0. 17312	0. 104	0. 24	6. 01E-15	monocyte	SIAH1
CPSF3L. 3	4. 14E-19	-0. 19162	0. 14	0. 286	6. 19E-15	monocyte	CPSF3L
DYNC1I2. 6	4. 16E-19	-0. 13628	0. 3	0. 484	6. 21E-15	monocyte	DYNC1I2
JPX. 1	4. 23E-19	-0. 13424	0. 124	0. 268	6. 33E-15	monocyte	JPX
RBM7. 2	4. 29E-19	-0. 22124	0. 117	0. 254	6. 41E-15	monocyte	RBM7

RSAD1. 4	4. 33E-19	-0. 16131	0. 047	0. 157	6. 46E-15	monocyte	RSAD1
COQ7. 5	4. 45E-19	-0. 12033	0. 073	0. 197	6. 64E-15	monocyte	COQ7
ZNF83. 3	4. 48E-19	-0. 16656	0. 081	0. 208	6. 69E-15	monocyte	ZNF83
TET1. 7	4. 56E-19	-0. 16747	0. 006	0. 089	6. 82E-15	monocyte	TET1
LDOC1. 7	4. 62E-19	-0. 3114	0. 009	0. 095	6. 91E-15	monocyte	LDOC1
LPIN1. 5	4. 71E-19	-0. 25939	0. 041	0. 145	7. 04E-15	monocyte	LPIN1
SNAP23. 7	4. 76E-19	0. 504522	0. 334	0. 236	7. 11E-15	monocyte	SNAP23
VPS4A. 4	4. 83E-19	-0. 13642	0. 165	0. 32	7. 22E-15	monocyte	VPS4A
ISYNA1. 4	4. 85E-19	-0. 17899	0. 038	0. 142	7. 25E-15	monocyte	ISYNA1
STAMPB. 4	4. 87E-19	-0. 16824	0. 133	0. 278	7. 27E-15	monocyte	STAMPB
TSG101. 1	4. 90E-19	-0. 10138	0. 252	0. 432	7. 32E-15	monocyte	TSG101
DNAJC19. 6	4. 93E-19	-0. 12274	0. 229	0. 403	7. 36E-15	monocyte	DNAJC19
SLC25A17. 4	4. 96E-19	-0. 20384	0. 053	0. 166	7. 41E-15	monocyte	SLC25A17
IER3. 8	5. 00E-19	0. 370385	0. 364	0. 23	7. 47E-15	monocyte	IER3
POLR3F. 5	5. 02E-19	-0. 12296	0. 04	0. 146	7. 50E-15	monocyte	POLR3F
RFC4. 5	5. 05E-19	-0. 15084	0. 053	0. 166	7. 55E-15	monocyte	RFC4
ANGPTL4. 4	5. 06E-19	-0. 42945	0. 018	0. 109	7. 56E-15	monocyte	ANGPTL4
NAAA. 8	5. 14E-19	0. 361404	0. 22	0. 126	7. 69E-15	monocyte	NAAA
LYRM2. 3	5. 15E-19	-0. 18341	0. 158	0. 306	7. 70E-15	monocyte	LYRM2
FBX05. 4	5. 23E-19	-0. 22473	0. 015	0. 104	7. 82E-15	monocyte	FBX05
SLC2A4RG. 5	5. 31E-19	-0. 15244	0. 032	0. 134	7. 94E-15	monocyte	SLC2A4RG
DHX15. 5	5. 36E-19	-0. 12904	0. 115	0. 256	8. 02E-15	monocyte	DHX15
SURF4. 2	5. 39E-19	-0. 15209	0. 199	0. 364	8. 05E-15	monocyte	SURF4
HRH1. 7	5. 43E-19	-0. 24105	0. 015	0. 103	8. 12E-15	monocyte	HRH1
CSF1. 6	5. 51E-19	-0. 22092	0. 014	0. 102	8. 23E-15	monocyte	CSF1
FAM171A1. 5	5. 51E-19	-0. 19695	0. 003	0. 083	8. 24E-15	monocyte	FAM171A1
NTN1. 4	5. 52E-19	-0. 17204	0. 006	0. 089	8. 25E-15	monocyte	NTN1
C12orf43. 5	5. 67E-19	-0. 19704	0. 053	0. 166	8. 48E-15	monocyte	C12orf43
SAC3D1. 8	5. 67E-19	-0. 20552	0. 064	0. 179	8. 48E-15	monocyte	SAC3D1
POLD4. 6	5. 87E-19	0. 421946	0. 499	0. 414	8. 77E-15	monocyte	POLD4
CHD1. 5	5. 88E-19	-0. 16531	0. 154	0. 305	8. 79E-15	monocyte	CHD1
LEO1. 3	5. 88E-19	-0. 16138	0. 045	0. 153	8. 79E-15	monocyte	LEO1
AATF. 3	6. 14E-19	-0. 13766	0. 153	0. 303	9. 18E-15	monocyte	AATF
CTC-444N2	6. 16E-19	-0. 17754	0. 039	0. 143	9. 20E-15	monocyte	CTC-444N24. 11
NUCD3. 5	6. 37E-19	-0. 11618	0. 081	0. 208	9. 51E-15	monocyte	NUCD3
SRP54. 3	6. 52E-19	-0. 19525	0. 14	0. 285	9. 74E-15	monocyte	SRP54
WIPF2. 3	6. 75E-19	-0. 19605	0. 086	0. 212	1. 01E-14	monocyte	WIPF2
ZBTB8A. 7	6. 87E-19	-0. 16009	0. 019	0. 111	1. 03E-14	monocyte	ZBTB8A
HMBOX1. 7	6. 91E-19	-0. 17481	0. 079	0. 203	1. 03E-14	monocyte	HMBOX1
GATAD2B. 6	7. 00E-19	-0. 18151	0. 056	0. 17	1. 05E-14	monocyte	GATAD2B
MT2A. 7	7. 06E-19	-0. 18026	0. 652	0. 796	1. 06E-14	monocyte	MT2A
CCDC136. 6	7. 20E-19	-0. 21672	0. 011	0. 098	1. 08E-14	monocyte	CCDC136
NACAD. 7	7. 27E-19	-0. 2354	0. 01	0. 096	1. 09E-14	monocyte	NACAD
PSMD7. 4	7. 29E-19	-0. 1326	0. 322	0. 505	1. 09E-14	monocyte	PSMD7
BOK. 8	7. 33E-19	-0. 22394	0. 003	0. 082	1. 09E-14	monocyte	BOK
DUSP26. 7	7. 37E-19	-0. 29486	0. 009	0. 095	1. 10E-14	monocyte	DUSP26
ORAI2. 4	7. 44E-19	-0. 20053	0. 145	0. 288	1. 11E-14	monocyte	ORAI2
VAX2. 7	7. 45E-19	-0. 19739	0. 005	0. 086	1. 11E-14	monocyte	VAX2
LTBP3. 4	7. 52E-19	-0. 14938	0. 091	0. 22	1. 12E-14	monocyte	LTBP3
TANC1. 6	7. 57E-19	-0. 12929	0. 022	0. 116	1. 13E-14	monocyte	TANC1
ZC3H8. 5	7. 60E-19	-0. 24557	0. 048	0. 156	1. 14E-14	monocyte	ZC3H8



MFSD7.6	7.65E-19	0.134561	0.08	0.027	1.14E-14	monocyte	MFSD7
TOMM34.3	7.65E-19	-0.1414	0.04	0.145	1.14E-14	monocyte	TOMM34
PSMB1.2	7.70E-19	-0.12065	0.53	0.742	1.15E-14	monocyte	PSMB1
STAT3.2	7.81E-19	-0.15463	0.29	0.473	1.17E-14	monocyte	STAT3
ARHGAP5.5	7.88E-19	-0.18951	0.08	0.204	1.18E-14	monocyte	ARHGAP5
MTMR2.3	8.04E-19	-0.18905	0.047	0.155	1.20E-14	monocyte	MTMR2
FAM131B.6	8.12E-19	-0.20436	0.003	0.082	1.21E-14	monocyte	FAM131B
CYP2S1.2	8.24E-19	0.100248	0.05	0.013	1.23E-14	monocyte	CYP2S1
IL32.6	8.30E-19	-0.44397	0.018	0.107	1.24E-14	monocyte	IL32
LOXL1.6	8.38E-19	-0.15705	0.004	0.084	1.25E-14	monocyte	LOXL1
NUP107.7	8.44E-19	-0.32956	0.105	0.234	1.26E-14	monocyte	NUP107
TARDBP.3	8.48E-19	-0.11317	0.151	0.307	1.27E-14	monocyte	TARDBP
HYAL2.8	8.56E-19	-0.15982	0.102	0.233	1.28E-14	monocyte	HYAL2
B3GALNT1.8	8.76E-19	-0.21826	0.073	0.193	1.31E-14	monocyte	B3GALNT1
STAT5A.7	8.79E-19	0.247653	0.112	0.046	1.31E-14	monocyte	STAT5A
KIAA0907.8	8.86E-19	-0.19446	0.079	0.204	1.32E-14	monocyte	KIAA0907
DENND5B.7	9.04E-19	-0.19024	0.015	0.103	1.35E-14	monocyte	DENND5B
ARL8A.6	9.20E-19	-0.22515	0.142	0.284	1.38E-14	monocyte	ARL8A
MXI1.4	9.51E-19	-0.23143	0.039	0.141	1.42E-14	monocyte	MXI1
PDE4D.5	9.55E-19	-0.20367	0.016	0.105	1.43E-14	monocyte	PDE4D
ZMYND15.5	9.61E-19	0.26193	0.119	0.051	1.44E-14	monocyte	ZMYND15
RP11-262H	9.86E-19	-0.15674	0.028	0.127	1.47E-14	monocyte	RP11-262H14.4
UQCRFS1.4	9.94E-19	-0.18485	0.367	0.56	1.49E-14	monocyte	UQCRFS1
RIC8A.4	1.02E-18	-0.12675	0.149	0.298	1.52E-14	monocyte	RIC8A
DDX46.4	1.04E-18	-0.12921	0.283	0.461	1.55E-14	monocyte	DDX46
SECISBP2.1	1.05E-18	-0.14417	0.123	0.264	1.58E-14	monocyte	SECISBP2
ZFAND3.3	1.07E-18	-0.14579	0.14	0.284	1.59E-14	monocyte	ZFAND3
DHX40.6	1.09E-18	-0.11835	0.042	0.148	1.63E-14	monocyte	DHX40
CASK.2	1.10E-18	-0.21171	0.032	0.132	1.65E-14	monocyte	CASK
GCA.8	1.11E-18	0.496051	0.398	0.29	1.66E-14	monocyte	GCA
KCNK13.4	1.13E-18	0.169095	0.065	0.02	1.69E-14	monocyte	KCNK13
RAB39B.7	1.14E-18	-0.19571	0.011	0.097	1.71E-14	monocyte	RAB39B
EMC8.4	1.15E-18	-0.17525	0.137	0.284	1.72E-14	monocyte	EMC8
FAM174A.4	1.19E-18	-0.14085	0.101	0.233	1.78E-14	monocyte	FAM174A
AIMP1.4	1.20E-18	-0.11731	0.215	0.385	1.80E-14	monocyte	AIMP1
KLHDC9.6	1.24E-18	-0.20661	0.002	0.079	1.85E-14	monocyte	KLHDC9
MAD2L1BP.1	1.27E-18	-0.12906	0.056	0.169	1.90E-14	monocyte	MAD2L1BP
KAT6B.5	1.27E-18	-0.20268	0.031	0.13	1.90E-14	monocyte	KAT6B
PRKAR1B.5	1.28E-18	-0.21588	0.035	0.136	1.91E-14	monocyte	PRKAR1B
RDH5.5	1.29E-18	-0.19176	0.019	0.11	1.93E-14	monocyte	RDH5
ZNF24.6	1.30E-18	-0.14393	0.162	0.313	1.94E-14	monocyte	ZNF24
SPOCK1.7	1.31E-18	-0.29289	0.006	0.088	1.95E-14	monocyte	SPOCK1
GLIPR1.7	1.31E-18	0.502511	0.43	0.326	1.96E-14	monocyte	GLIPR1
TRMT61B.5	1.33E-18	-0.18114	0.058	0.172	1.98E-14	monocyte	TRMT61B
RNASE3.6	1.33E-18	0.36241	0.081	0.029	1.99E-14	monocyte	RNASE3
ING2.4	1.36E-18	-0.20857	0.092	0.216	2.03E-14	monocyte	ING2
AAMP.3	1.36E-18	-0.10665	0.26	0.442	2.03E-14	monocyte	AAMP
OGG1.2	1.38E-18	-0.17153	0.049	0.159	2.06E-14	monocyte	OGG1
KIAA0895L	1.43E-18	-0.20802	0.013	0.098	2.13E-14	monocyte	KIAA0895L
GIT1.4	1.47E-18	-0.16645	0.021	0.113	2.20E-14	monocyte	GIT1
KANSL1.6	1.47E-18	-0.22203	0.062	0.175	2.20E-14	monocyte	KANSL1

FZD7. 5	1. 49E-18	-0. 19263	0. 017	0. 105	2. 23E-14	monocyte	FZD7
FAM177B. 4	1. 51E-18	0. 271695	0. 077	0. 027	2. 25E-14	monocyte	FAM177B
SH3RF1. 6	1. 52E-18	-0. 18464	0. 022	0. 114	2. 27E-14	monocyte	SH3RF1
RUFY2. 8	1. 57E-18	-0. 16161	0. 049	0. 158	2. 34E-14	monocyte	RUFY2
MKRN1. 7	1. 58E-18	-0. 1791	0. 252	0. 422	2. 36E-14	monocyte	MKRN1
CACNG8. 5	1. 62E-18	-0. 17728	0. 002	0. 079	2. 42E-14	monocyte	CACNG8
CHERP. 4	1. 63E-18	-0. 15095	0. 062	0. 178	2. 43E-14	monocyte	CHERP
PTBP1. 5	1. 65E-18	-0. 15181	0. 177	0. 336	2. 47E-14	monocyte	PTBP1
STUB1. 5	1. 66E-18	-0. 18026	0. 295	0. 476	2. 49E-14	monocyte	STUB1
CLASP2. 7	1. 67E-18	-0. 26217	0. 086	0. 207	2. 49E-14	monocyte	CLASP2
SLC12A2. 7	1. 68E-18	-0. 15974	0. 037	0. 138	2. 51E-14	monocyte	SLC12A2
PDGFD. 6	1. 68E-18	-0. 14442	0. 005	0. 085	2. 51E-14	monocyte	PDGFD
CAND1. 4	1. 68E-18	-0. 12471	0. 113	0. 246	2. 52E-14	monocyte	CAND1
MBD3. 3	1. 70E-18	-0. 14601	0. 058	0. 173	2. 54E-14	monocyte	MBD3
RORA. 5	1. 70E-18	-0. 23891	0. 003	0. 081	2. 54E-14	monocyte	RORA
SRSF12. 6	1. 71E-18	-0. 14493	0. 002	0. 079	2. 55E-14	monocyte	SRSF12
FOSB. 6	1. 74E-18	-0. 22486	0. 253	0. 404	2. 61E-14	monocyte	FOSB
IK. 1	1. 77E-18	-0. 12165	0. 23	0. 403	2. 64E-14	monocyte	IK
HN1L. 6	1. 77E-18	-0. 1543	0. 051	0. 161	2. 65E-14	monocyte	HN1L
TMEM255B. 1	1. 79E-18	0. 312919	0. 117	0. 05	2. 68E-14	monocyte	TMEM255B
COG4. 5	1. 87E-18	-0. 16741	0. 08	0. 201	2. 80E-14	monocyte	COG4
JMY. 5	1. 90E-18	-0. 18782	0. 019	0. 108	2. 84E-14	monocyte	JMY
SF3B4. 1	1. 91E-18	-0. 15016	0. 176	0. 334	2. 86E-14	monocyte	SF3B4
GSK3B. 5	1. 91E-18	-0. 178	0. 085	0. 207	2. 86E-14	monocyte	GSK3B
PSMB10. 8	1. 93E-18	0. 443432	0. 35	0. 247	2. 89E-14	monocyte	PSMB10
NAA35. 3	1. 93E-18	-0. 19175	0. 042	0. 145	2. 89E-14	monocyte	NAA35
GPR37. 5	1. 93E-18	-0. 33747	0. 002	0. 079	2. 89E-14	monocyte	GPR37
ELMOD1. 5	1. 95E-18	-0. 12044	0. 007	0. 089	2. 92E-14	monocyte	ELMOD1
NONO. 7	1. 99E-18	-0. 12102	0. 286	0. 47	2. 97E-14	monocyte	NONO
METTL9. 7	2. 03E-18	-0. 15381	0. 302	0. 483	3. 04E-14	monocyte	METTL9
SEPN1. 6	2. 03E-18	-0. 20849	0. 095	0. 22	3. 04E-14	monocyte	SEPN1
BEST3. 6	2. 05E-18	-0. 32029	0. 01	0. 094	3. 06E-14	monocyte	BEST3
SORBS1. 5	2. 07E-18	-0. 16294	0. 014	0. 1	3. 09E-14	monocyte	SORBS1
PYURF. 4	2. 10E-18	-0. 15035	0. 364	0. 556	3. 14E-14	monocyte	PYURF
PIGF. 6	2. 12E-18	-0. 10165	0. 152	0. 3	3. 17E-14	monocyte	PIGF
FNBP4. 4	2. 17E-18	-0. 10409	0. 121	0. 263	3. 24E-14	monocyte	FNBP4
SH3TC1. 7	2. 20E-18	0. 331063	0. 152	0. 073	3. 29E-14	monocyte	SH3TC1
METTL1. 5	2. 33E-18	-0. 26141	0. 05	0. 156	3. 47E-14	monocyte	METTL1
PLXNA4. 7	2. 36E-18	-0. 21302	0. 004	0. 083	3. 53E-14	monocyte	PLXNA4
SEC61A1. 3	2. 36E-18	-0. 12815	0. 215	0. 379	3. 53E-14	monocyte	SEC61A1
BIRC5. 8	2. 37E-18	-0. 33183	0. 022	0. 112	3. 54E-14	monocyte	BIRC5
YEATS4. 6	2. 44E-18	-0. 22135	0. 129	0. 262	3. 65E-14	monocyte	YEATS4
ATP2A2. 3	2. 47E-18	-0. 11021	0. 146	0. 291	3. 69E-14	monocyte	ATP2A2
CEP89. 5	2. 50E-18	-0. 17144	0. 037	0. 139	3. 74E-14	monocyte	CEP89
COL16A1. 6	2. 53E-18	-0. 19582	0. 003	0. 08	3. 78E-14	monocyte	COL16A1
RFC1. 4	2. 55E-18	-0. 11578	0. 144	0. 288	3. 81E-14	monocyte	RFC1
MAD2L1. 6	2. 58E-18	-0. 26717	0. 037	0. 136	3. 85E-14	monocyte	MAD2L1
ARMCX1. 7	2. 60E-18	-0. 17567	0. 101	0. 223	3. 88E-14	monocyte	ARMCX1
TMTC4. 7	2. 61E-18	-0. 23344	0. 018	0. 106	3. 90E-14	monocyte	TMTC4
SDC3. 4	2. 65E-18	-0. 27265	0. 085	0. 206	3. 96E-14	monocyte	SDC3
RBM4. 6	2. 66E-18	-0. 16564	0. 098	0. 231	3. 98E-14	monocyte	RBM4

LRRC17.5	2.67E-18	-0.21425	0.003	0.08	4.00E-14	monocyte	LRRC17
SYTL2.6	2.70E-18	-0.2939	0.004	0.082	4.04E-14	monocyte	SYTL2
GOSR1.6	2.71E-18	-0.12061	0.136	0.279	4.05E-14	monocyte	GOSR1
ECE1.5	2.73E-18	-0.18986	0.006	0.086	4.08E-14	monocyte	ECE1
ZNF205.5	2.76E-18	-0.20603	0.024	0.116	4.12E-14	monocyte	ZNF205
SCN3B.6	2.76E-18	-0.27355	0.002	0.078	4.12E-14	monocyte	SCN3B
NIP7.6	2.86E-18	-0.18417	0.066	0.182	4.28E-14	monocyte	NIP7
SRRM3.7	2.93E-18	-0.26101	0.002	0.078	4.37E-14	monocyte	SRRM3
WIZ.4	2.93E-18	-0.17908	0.025	0.118	4.38E-14	monocyte	WIZ
EFNB3.6	2.97E-18	-0.17744	0.003	0.08	4.44E-14	monocyte	EFNB3
CEBPB.8	3.03E-18	0.341267	0.523	0.427	4.53E-14	monocyte	CEBPB
NOL11.5	3.13E-18	-0.13583	0.077	0.199	4.67E-14	monocyte	NOL11
ANKS3.6	3.15E-18	-0.12647	0.062	0.178	4.71E-14	monocyte	ANKS3
YIPF5.4	3.16E-18	-0.17544	0.133	0.273	4.72E-14	monocyte	YIPF5
ARPC5L.5	3.21E-18	-0.12505	0.219	0.383	4.79E-14	monocyte	ARPC5L
MAPKAP1.2	3.28E-18	-0.2061	0.127	0.261	4.90E-14	monocyte	MAPKAP1
GABARAP.5	3.31E-18	0.543767	0.528	0.455	4.94E-14	monocyte	GABARAP
PAAF1.5	3.33E-18	-0.15149	0.086	0.209	4.97E-14	monocyte	PAAF1
HGF.2	3.38E-18	0.205706	0.073	0.024	5.05E-14	monocyte	HGF
STK17A.6	3.48E-18	-0.2059	0.163	0.305	5.20E-14	monocyte	STK17A
SSBP3.6	3.53E-18	-0.20269	0.038	0.136	5.28E-14	monocyte	SSBP3
PAFAH1B1.3	3.58E-18	-0.16083	0.217	0.381	5.35E-14	monocyte	PAFAH1B1
RHOU.6	3.59E-18	-0.30609	0.043	0.142	5.36E-14	monocyte	RHOU
C19orf48.3	3.61E-18	-0.1441	0.105	0.238	5.39E-14	monocyte	C19orf48
DMAP1.5	3.64E-18	-0.1325	0.124	0.262	5.44E-14	monocyte	DMAP1
UBTD2.4	3.68E-18	-0.19588	0.022	0.113	5.50E-14	monocyte	UBTD2
DHX29.6	3.79E-18	-0.16112	0.17	0.322	5.67E-14	monocyte	DHX29
FBXO3.5	3.87E-18	-0.16272	0.065	0.18	5.78E-14	monocyte	FBXO3
SNHG10.3	3.89E-18	-0.17388	0.015	0.101	5.82E-14	monocyte	SNHG10
SIRT2.6	3.90E-18	-0.1426	0.261	0.43	5.83E-14	monocyte	SIRT2
ZDHHC4.6	3.97E-18	-0.22003	0.21	0.368	5.93E-14	monocyte	ZDHHC4
CNPY4.5	4.07E-18	-0.16439	0.026	0.12	6.08E-14	monocyte	CNPY4
U2AF2.3	4.16E-18	-0.12777	0.127	0.268	6.22E-14	monocyte	U2AF2
KATNB1.5	4.16E-18	-0.18068	0.031	0.128	6.22E-14	monocyte	KATNB1
PRRC2A.4	4.19E-18	-0.20803	0.12	0.254	6.26E-14	monocyte	PRRC2A
NSRP1.1	4.24E-18	-0.11541	0.204	0.37	6.34E-14	monocyte	NSRP1
TWF1.3	4.28E-18	-0.18405	0.136	0.275	6.40E-14	monocyte	TWF1
NOS1AP.7	4.35E-18	-0.17647	0.006	0.086	6.50E-14	monocyte	NOS1AP
EPM2AIP1.4	4.36E-18	-0.13343	0.084	0.208	6.51E-14	monocyte	EPM2AIP1
SLC9A9.7	4.44E-18	0.398941	0.149	0.072	6.64E-14	monocyte	SLC9A9
PRTFDC1.4	4.44E-18	-0.17293	0.041	0.143	6.64E-14	monocyte	PRTFDC1
GABBR1.7	4.49E-18	-0.20005	0.006	0.085	6.72E-14	monocyte	GABBR1
DDX18.1	4.61E-18	-0.1045	0.322	0.517	6.88E-14	monocyte	DDX18
MIR210HG.4	4.61E-18	-0.22224	0.014	0.098	6.89E-14	monocyte	MIR210HG
NFKBIL1.4	4.62E-18	-0.18407	0.092	0.214	6.91E-14	monocyte	NFKBIL1
WDR47.4	4.64E-18	-0.22149	0.022	0.111	6.93E-14	monocyte	WDR47
C19orf53.4	4.64E-18	-0.1886	0.524	0.697	6.93E-14	monocyte	C19orf53
SH3BGRL3.4	4.67E-18	0.292121	0.781	0.777	6.98E-14	monocyte	SH3BGRL3
TMEM128.5	4.70E-18	-0.14178	0.156	0.303	7.02E-14	monocyte	TMEM128
ISOC1.4	4.90E-18	-0.14877	0.062	0.173	7.33E-14	monocyte	ISOC1
ING1.3	4.91E-18	-0.11866	0.042	0.144	7.34E-14	monocyte	ING1

DYNC2LI1.	5.01E-18	-0.21414	0.062	0.173	7.48E-14	monocyte	DYNC2LI1
GART.3	5.01E-18	-0.15142	0.087	0.21	7.48E-14	monocyte	GART
PPFIA3.6	5.06E-18	-0.15694	0.013	0.096	7.56E-14	monocyte	PPFIA3
RAB11B-AS	5.11E-18	-0.18869	0.04	0.14	7.63E-14	monocyte	RAB11B-AS1
TMEM178A.	5.14E-18	-0.22105	0.031	0.126	7.69E-14	monocyte	TMEM178A
BRWD1.7	5.23E-18	-0.19133	0.119	0.252	7.81E-14	monocyte	BRWD1
PTPRD.7	5.31E-18	-0.26972	0.003	0.079	7.93E-14	monocyte	PTPRD
C12orf73.	5.48E-18	-0.19009	0.055	0.163	8.19E-14	monocyte	C12orf73
RBM18.4	5.50E-18	-0.14835	0.091	0.216	8.22E-14	monocyte	RBM18
MLXIPL.4	5.52E-18	0.303043	0.091	0.035	8.25E-14	monocyte	MLXIPL
DDA1.2	5.58E-18	-0.14216	0.185	0.341	8.33E-14	monocyte	DDA1
NCAN.6	5.69E-18	-0.26268	0.007	0.086	8.51E-14	monocyte	NCAN
ZFP90.7	5.72E-18	-0.20823	0.04	0.139	8.54E-14	monocyte	ZFP90
VANGL2.6	5.76E-18	-0.19004	0.003	0.079	8.61E-14	monocyte	VANGL2
CASP6.6	5.86E-18	-0.14352	0.059	0.172	8.76E-14	monocyte	CASP6
ING3.3	5.94E-18	-0.15779	0.077	0.194	8.87E-14	monocyte	ING3
LRIG1.7	5.97E-18	-0.18633	0.024	0.116	8.92E-14	monocyte	LRIG1
IL3RA.2	6.05E-18	0.105393	0.044	0.01	9.04E-14	monocyte	IL3RA
XXYLT1.6	6.06E-18	-0.17017	0.035	0.134	9.06E-14	monocyte	XXYLT1
ZNF426.5	6.12E-18	-0.20663	0.027	0.12	9.14E-14	monocyte	ZNF426
WBP11.2	6.21E-18	-0.18255	0.158	0.303	9.29E-14	monocyte	WBP11
DMRTA2.5	6.35E-18	-0.15958	0.005	0.083	9.49E-14	monocyte	DMRTA2
ZNF397.6	6.38E-18	-0.16329	0.059	0.172	9.53E-14	monocyte	ZNF397
FBXO44.6	6.45E-18	-0.21358	0.046	0.15	9.64E-14	monocyte	FBXO44
ADRB2.6	6.59E-18	0.306176	0.101	0.041	9.85E-14	monocyte	ADRB2
GRK4.6	6.59E-18	-0.19849	0.018	0.105	9.85E-14	monocyte	GRK4
AIMP2.4	6.63E-18	-0.14635	0.116	0.251	9.91E-14	monocyte	AIMP2
AC004540.	6.64E-18	-0.25141	0.007	0.086	9.92E-14	monocyte	AC004540.5
RRAS2.6	6.88E-18	-0.15218	0.006	0.084	1.03E-13	monocyte	RRAS2
MCFD2.1	6.90E-18	-0.1163	0.15	0.298	1.03E-13	monocyte	MCFD2
CEACAM21.	6.92E-18	0.267483	0.057	0.017	1.03E-13	monocyte	CEACAM21
KHSRP.6	7.01E-18	-0.14795	0.115	0.249	1.05E-13	monocyte	KHSRP
UFSP2.2	7.02E-18	-0.13374	0.1	0.227	1.05E-13	monocyte	UFSP2
CELSR2.6	7.14E-18	-0.17521	0.015	0.099	1.07E-13	monocyte	CELSR2
MPRIP.2	7.24E-18	-0.1607	0.056	0.166	1.08E-13	monocyte	MPRIP
MECR.4	7.27E-18	-0.12237	0.059	0.17	1.09E-13	monocyte	MECR
ILDR2.7	7.35E-18	-0.10794	0.007	0.086	1.10E-13	monocyte	ILDR2
AGPAT1.2	7.47E-18	-0.15504	0.109	0.238	1.12E-13	monocyte	AGPAT1
ALDH2.5	7.59E-18	0.405309	0.451	0.364	1.13E-13	monocyte	ALDH2
EIF5B.4	8.02E-18	-0.13312	0.342	0.538	1.20E-13	monocyte	EIF5B
KCNH2.6	8.17E-18	-0.2254	0	0.072	1.22E-13	monocyte	KCNH2
TBPL1.3	8.27E-18	-0.15042	0.101	0.228	1.24E-13	monocyte	TBPL1
NDUFA13.5	8.62E-18	-0.12437	0.593	0.788	1.29E-13	monocyte	NDUFA13
LPCAT1.3	8.65E-18	-0.16832	0.075	0.191	1.29E-13	monocyte	LPCAT1
AHDC1.6	8.68E-18	-0.16349	0.02	0.109	1.30E-13	monocyte	AHDC1
PTPN4.7	8.70E-18	-0.20637	0.021	0.11	1.30E-13	monocyte	PTPN4
NIPSNAP1.	8.75E-18	-0.16828	0.065	0.176	1.31E-13	monocyte	NIPSNAP1
HOXA2.7	8.81E-18	-0.24935	0.003	0.078	1.32E-13	monocyte	HOXA2
NARFL.3	8.84E-18	-0.1758	0.048	0.154	1.32E-13	monocyte	NARFL
PAK1IP1.5	8.86E-18	-0.14769	0.098	0.226	1.32E-13	monocyte	PAK1IP1
ZBTB43.3	8.89E-18	-0.20166	0.053	0.159	1.33E-13	monocyte	ZBTB43

ZNF566.6	8.92E-18	-0.21717	0.029	0.123	1.33E-13	monocyte	ZNF566
ACSBG1.5	9.02E-18	-0.17683	0.004	0.08	1.35E-13	monocyte	ACSBG1
QPRT.4	9.14E-18	0.343446	0.196	0.108	1.37E-13	monocyte	QPRT
SUPT6H.2	9.21E-18	-0.16369	0.068	0.181	1.38E-13	monocyte	SUPT6H
POMC.8	9.27E-18	0.259566	0.103	0.042	1.39E-13	monocyte	POMC
ENKUR.6	9.32E-18	-0.2223	0.003	0.078	1.39E-13	monocyte	ENKUR
LRRC42.4	9.70E-18	-0.18985	0.049	0.153	1.45E-13	monocyte	LRRC42
LILRB3.6	9.72E-18	0.171344	0.093	0.035	1.45E-13	monocyte	LILRB3
FDFT1.5	1.00E-17	-0.1086	0.169	0.318	1.50E-13	monocyte	FDFT1
SCAF4.2	1.01E-17	-0.18605	0.046	0.149	1.50E-13	monocyte	SCAF4
HGS.4	1.01E-17	-0.16736	0.101	0.226	1.51E-13	monocyte	HGS
PHLPP1.8	1.01E-17	-0.21633	0.01	0.091	1.52E-13	monocyte	PHLPP1
C9orf9.6	1.01E-17	-0.17998	0.026	0.117	1.52E-13	monocyte	C9orf9
TMED1.5	1.02E-17	-0.21216	0.16	0.303	1.52E-13	monocyte	TMED1
NDUFA12.3	1.05E-17	-0.13051	0.382	0.574	1.56E-13	monocyte	NDUFA12
ZCCHC10.3	1.05E-17	-0.17863	0.114	0.244	1.57E-13	monocyte	ZCCHC10
F12.6	1.07E-17	-0.14476	0.006	0.084	1.60E-13	monocyte	F12
PDHX.5	1.10E-17	-0.20966	0.069	0.18	1.65E-13	monocyte	PDHX
MPC1.4	1.10E-17	-0.14562	0.325	0.502	1.65E-13	monocyte	MPC1
TXLNG.5	1.11E-17	-0.20419	0.042	0.142	1.65E-13	monocyte	TXLNG
BOLA3.5	1.11E-17	-0.18342	0.197	0.348	1.65E-13	monocyte	BOLA3
CNPY1.7	1.12E-17	-0.21062	0.006	0.084	1.67E-13	monocyte	CNPY1
SLC29A4.5	1.12E-17	-0.20569	0.009	0.089	1.68E-13	monocyte	SLC29A4
TMEM67.5	1.14E-17	-0.18205	0.017	0.102	1.70E-13	monocyte	TMEM67
IL12RB1.7	1.15E-17	0.243654	0.077	0.027	1.72E-13	monocyte	IL12RB1
GEM.3	1.16E-17	-0.26555	0.018	0.104	1.74E-13	monocyte	GEM
UBQLN2.8	1.16E-17	-0.18453	0.104	0.231	1.74E-13	monocyte	UBQLN2
MTRF1L.5	1.17E-17	-0.12482	0.081	0.199	1.74E-13	monocyte	MTRF1L
RAB33A.6	1.17E-17	-0.30184	0.024	0.113	1.75E-13	monocyte	RAB33A
DALRD3.4	1.17E-17	-0.16271	0.064	0.174	1.75E-13	monocyte	DALRD3
LAMB1.4	1.19E-17	-0.17447	0.021	0.109	1.78E-13	monocyte	LAMB1
EID2.7	1.21E-17	-0.19417	0.027	0.118	1.81E-13	monocyte	EID2
URM1.2	1.23E-17	-0.13581	0.211	0.371	1.83E-13	monocyte	URM1
FANCL.5	1.27E-17	-0.14629	0.048	0.151	1.90E-13	monocyte	FANCL
AP1S2.6	1.27E-17	-0.21774	0.358	0.513	1.90E-13	monocyte	AP1S2
PLCG1.5	1.28E-17	-0.15969	0.02	0.107	1.92E-13	monocyte	PLCG1
TENM1.5	1.32E-17	-0.1674	0.003	0.077	1.97E-13	monocyte	TENM1
SRP68.2	1.34E-17	-0.15845	0.111	0.24	2.00E-13	monocyte	SRP68
C7orf26.6	1.35E-17	-0.22155	0.059	0.166	2.01E-13	monocyte	C7orf26
CLEC12A.5	1.36E-17	0.177959	0.056	0.016	2.04E-13	monocyte	CLEC12A
COQ9.5	1.36E-17	-0.12733	0.119	0.253	2.04E-13	monocyte	COQ9
CNOT7.5	1.38E-17	-0.12371	0.22	0.381	2.06E-13	monocyte	CNOT7
GOLGA2.2	1.38E-17	-0.13568	0.092	0.215	2.07E-13	monocyte	GOLGA2
EMD.2	1.40E-17	-0.17393	0.156	0.295	2.09E-13	monocyte	EMD
KLC2.7	1.40E-17	-0.1535	0.033	0.129	2.09E-13	monocyte	KLC2
RP13-1032	1.40E-17	-0.146	0.007	0.086	2.10E-13	monocyte	RP13-1032I1.7
IWS1.4	1.41E-17	-0.17462	0.097	0.223	2.10E-13	monocyte	IWS1
ASTN1.4	1.41E-17	-0.16969	0.015	0.098	2.10E-13	monocyte	ASTN1
LMAN2L.5	1.42E-17	-0.17926	0.028	0.121	2.12E-13	monocyte	LMAN2L
ZNF414.8	1.42E-17	-0.166	0.078	0.195	2.12E-13	monocyte	ZNF414
RIF1.6	1.43E-17	-0.17019	0.103	0.23	2.13E-13	monocyte	RIF1

TM2D3. 4	1. 43E-17	-0. 11759	0. 189	0. 343	2. 13E-13	monocyte	TM2D3
VAPA. 4	1. 43E-17	-0. 13652	0. 446	0. 65	2. 14E-13	monocyte	VAPA
EHD1. 5	1. 48E-17	-0. 22267	0. 034	0. 129	2. 21E-13	monocyte	EHD1
B4GALT3. 4	1. 51E-17	-0. 11351	0. 102	0. 228	2. 26E-13	monocyte	B4GALT3
SLC1A3. 7	1. 51E-17	0. 361578	0. 544	0. 471	2. 26E-13	monocyte	SLC1A3
ALYREF. 7	1. 57E-17	-0. 17003	0. 05	0. 154	2. 34E-13	monocyte	ALYREF
P2RY11. 6	1. 61E-17	0. 313941	0. 159	0. 08	2. 41E-13	monocyte	P2RY11
M6PR. 8	1. 61E-17	0. 50063	0. 443	0. 377	2. 41E-13	monocyte	M6PR
ZNF12. 6	1. 62E-17	-0. 16113	0. 035	0. 132	2. 42E-13	monocyte	ZNF12
PPP1R12A. 1.	63E-17	-0. 17263	0. 214	0. 372	2. 43E-13	monocyte	PPP1R12A
XPOT. 6	1. 63E-17	-0. 14906	0. 065	0. 177	2. 44E-13	monocyte	XPOT
SMKR1. 5	1. 64E-17	-0. 20945	0. 003	0. 077	2. 45E-13	monocyte	SMKR1
METAP1D. 6	1. 64E-17	-0. 15371	0. 034	0. 132	2. 45E-13	monocyte	METAP1D
RRP9. 2	1. 65E-17	-0. 12814	0. 056	0. 165	2. 47E-13	monocyte	RRP9
PEA15. 4	1. 68E-17	-0. 16173	0. 281	0. 458	2. 50E-13	monocyte	PEA15
SUPT16H. 6	1. 70E-17	-0. 19583	0. 125	0. 259	2. 55E-13	monocyte	SUPT16H
RNF139. 5	1. 71E-17	-0. 25612	0. 136	0. 266	2. 56E-13	monocyte	RNF139
PPP1R14A. 1.	71E-17	-0. 49992	0. 026	0. 114	2. 56E-13	monocyte	PPP1R14A
NBPF1. 8	1. 72E-17	-0. 19477	0. 117	0. 246	2. 57E-13	monocyte	NBPF1
SCAMP5. 6	1. 74E-17	-0. 16122	0. 018	0. 103	2. 59E-13	monocyte	SCAMP5
PLEKHH3. 5	1. 80E-17	-0. 1475	0. 01	0. 09	2. 68E-13	monocyte	PLEKHH3
EPS15L1. 4	1. 81E-17	-0. 12336	0. 064	0. 175	2. 71E-13	monocyte	EPS15L1
PDCL3. 5	1. 83E-17	-0. 12833	0. 16	0. 305	2. 73E-13	monocyte	PDCL3
HOMER1. 7	1. 85E-17	-0. 22728	0. 059	0. 165	2. 77E-13	monocyte	HOMER1
DLG5. 4	1. 92E-17	-0. 16725	0. 006	0. 082	2. 87E-13	monocyte	DLG5
SUSD1. 5	1. 93E-17	0. 261421	0. 114	0. 05	2. 88E-13	monocyte	SUSD1
IGF2BP2. 5	1. 94E-17	-0. 16982	0. 008	0. 087	2. 89E-13	monocyte	IGF2BP2
IL17RA. 8	1. 97E-17	0. 351346	0. 199	0. 112	2. 94E-13	monocyte	IL17RA
LYRM1. 7	1. 98E-17	-0. 24161	0. 078	0. 193	2. 96E-13	monocyte	LYRM1
ATG4D. 4	2. 05E-17	-0. 16177	0. 061	0. 169	3. 07E-13	monocyte	ATG4D
PCOLCE. 7	2. 07E-17	-0. 26706	0. 009	0. 088	3. 10E-13	monocyte	PCOLCE
MRPS23. 5	2. 09E-17	-0. 15098	0. 221	0. 379	3. 13E-13	monocyte	MRPS23
FUZ. 3	2. 10E-17	-0. 2301	0. 063	0. 17	3. 13E-13	monocyte	FUZ
SCN1B. 5	2. 12E-17	0. 382724	0. 135	0. 065	3. 16E-13	monocyte	SCN1B
COPB2. 5	2. 12E-17	-0. 12766	0. 169	0. 318	3. 17E-13	monocyte	COPB2
C16orf52. 2.	12E-17	-0. 14138	0. 018	0. 103	3. 17E-13	monocyte	C16orf52
CIITA. 4	2. 15E-17	0. 253237	0. 088	0. 033	3. 21E-13	monocyte	CIITA
NPRL3. 5	2. 19E-17	-0. 15372	0. 081	0. 2	3. 27E-13	monocyte	NPRL3
CENPH. 5	2. 20E-17	-0. 18108	0. 038	0. 134	3. 28E-13	monocyte	CENPH
FBXW11. 2	2. 23E-17	-0. 12216	0. 073	0. 19	3. 33E-13	monocyte	FBXW11
UCKL1. 3	2. 23E-17	-0. 13473	0. 058	0. 167	3. 33E-13	monocyte	UCKL1
EMB. 8	2. 24E-17	0. 301165	0. 144	0. 069	3. 35E-13	monocyte	EMB
SMAD9. 6	2. 26E-17	-0. 21141	0. 003	0. 076	3. 37E-13	monocyte	SMAD9
DDX42. 5	2. 29E-17	-0. 17444	0. 104	0. 229	3. 42E-13	monocyte	DDX42
LTB4R. 6	2. 31E-17	0. 196664	0. 08	0. 029	3. 45E-13	monocyte	LTB4R
ZNF467. 5	2. 33E-17	0. 169578	0. 081	0. 03	3. 47E-13	monocyte	ZNF467
RAF1. 7	2. 33E-17	-0. 11632	0. 147	0. 288	3. 48E-13	monocyte	RAF1
CHIC2. 3	2. 38E-17	-0. 21083	0. 125	0. 254	3. 56E-13	monocyte	CHIC2
SLC39A14. 2.	42E-17	-0. 26088	0. 018	0. 102	3. 62E-13	monocyte	SLC39A14
MAFF. 6	2. 45E-17	-0. 2475	0. 072	0. 18	3. 66E-13	monocyte	MAFF
RGS3. 5	2. 46E-17	-0. 17273	0. 024	0. 114	3. 67E-13	monocyte	RGS3

SPRYD7. 2	2. 48E-17	-0. 20748	0. 073	0. 185	3. 70E-13	monocyte	SPRYD7
SUCO. 4	2. 48E-17	-0. 12588	0. 054	0. 162	3. 71E-13	monocyte	SUCO
KDM6B. 7	2. 54E-17	-0. 26467	0. 11	0. 233	3. 79E-13	monocyte	KDM6B
RAB40B. 8	2. 63E-17	-0. 18416	0. 04	0. 138	3. 92E-13	monocyte	RAB40B
ANKRD35. 3	2. 63E-17	-0. 18703	0. 045	0. 145	3. 93E-13	monocyte	ANKRD35
ALG14. 3	2. 63E-17	-0. 13287	0. 054	0. 16	3. 93E-13	monocyte	ALG14
RFFL. 8	2. 71E-17	-0. 21886	0. 066	0. 173	4. 06E-13	monocyte	RFFL
RP11-505K	2. 77E-17	-0. 14434	0. 008	0. 086	4. 13E-13	monocyte	RP11-505K9. 1
LINC00526	2. 77E-17	-0. 17652	0. 008	0. 086	4. 14E-13	monocyte	LINC00526
FZR1. 4	2. 80E-17	-0. 13887	0. 056	0. 164	4. 19E-13	monocyte	FZR1
PRDX6. 4	2. 83E-17	-0. 20087	0. 481	0. 637	4. 24E-13	monocyte	PRDX6
AFAP1. 5	2. 84E-17	-0. 15512	0. 011	0. 092	4. 25E-13	monocyte	AFAP1
PPM1N. 3	2. 87E-17	0. 211338	0. 089	0. 034	4. 29E-13	monocyte	PPM1N
SLC4A1AP. 2	2. 88E-17	-0. 16921	0. 071	0. 185	4. 31E-13	monocyte	SLC4A1AP
ZNF436. 5	2. 89E-17	-0. 13963	0. 007	0. 084	4. 31E-13	monocyte	ZNF436
KIF3C. 8	2. 89E-17	-0. 18552	0. 022	0. 109	4. 32E-13	monocyte	KIF3C
EXOG. 7	2. 90E-17	-0. 16976	0. 057	0. 165	4. 33E-13	monocyte	EXOG
PRC1. 7	2. 91E-17	-0. 23807	0. 013	0. 093	4. 35E-13	monocyte	PRC1
ALDH3B1. 6	2. 98E-17	0. 203803	0. 139	0. 065	4. 45E-13	monocyte	ALDH3B1
KANK1. 5	3. 00E-17	-0. 18449	0. 016	0. 099	4. 48E-13	monocyte	KANK1
SLC36A4. 4	3. 02E-17	-0. 19084	0. 086	0. 203	4. 51E-13	monocyte	SLC36A4
SDS. 8	3. 05E-17	0. 338287	0. 121	0. 053	4. 55E-13	monocyte	SDS
SOX15. 6	3. 05E-17	-0. 22505	0. 003	0. 076	4. 56E-13	monocyte	SOX15
MRAS. 5	3. 06E-17	-0. 16504	0. 067	0. 177	4. 57E-13	monocyte	MRAS
NIM1K. 6	3. 10E-17	-0. 20343	0	0. 07	4. 63E-13	monocyte	NIM1K
DPH7. 7	3. 14E-17	-0. 17844	0. 066	0. 176	4. 70E-13	monocyte	DPH7
DUSP15. 6	3. 19E-17	-0. 12079	0. 017	0. 1	4. 77E-13	monocyte	DUSP15
EIF4A2. 5	3. 20E-17	-0. 11086	0. 54	0. 735	4. 79E-13	monocyte	EIF4A2
ZNF692. 4	3. 23E-17	-0. 16439	0. 026	0. 116	4. 83E-13	monocyte	ZNF692
KARS. 3	3. 24E-17	-0. 11779	0. 227	0. 387	4. 84E-13	monocyte	KARS
YPEL1. 8	3. 26E-17	-0. 1677	0. 017	0. 1	4. 87E-13	monocyte	YPEL1
RNASEH2A. 3	2. 8E-17	-0. 138	0. 098	0. 221	4. 91E-13	monocyte	RNASEH2A
ALOX15B. 6	3. 29E-17	0. 23637	0. 068	0. 022	4. 91E-13	monocyte	ALOX15B
U2AF1. 3	3. 32E-17	-0. 11304	0. 452	0. 647	4. 96E-13	monocyte	U2AF1
CERCAM. 6	3. 33E-17	-0. 2322	0. 041	0. 137	4. 98E-13	monocyte	CERCAM
PPIG. 1	3. 38E-17	-0. 11287	0. 35	0. 545	5. 06E-13	monocyte	PPIG
GPR141	3. 45E-17	0. 117705	0. 03	0. 006	5. 16E-13	monocyte	GPR141
EHD2. 6	3. 48E-17	-0. 13829	0. 009	0. 088	5. 21E-13	monocyte	EHD2
GNG3. 6	3. 52E-17	-0. 29693	0. 005	0. 079	5. 26E-13	monocyte	GNG3
FUNDC1. 6	3. 54E-17	-0. 14836	0. 123	0. 257	5. 29E-13	monocyte	FUNDC1
AKT2. 2	3. 56E-17	-0. 13486	0. 079	0. 195	5. 33E-13	monocyte	AKT2
ACACA. 3	3. 71E-17	-0. 15661	0. 017	0. 1	5. 54E-13	monocyte	ACACA
KANSL2. 5	3. 71E-17	-0. 13565	0. 053	0. 158	5. 54E-13	monocyte	KANSL2
ZC3HC1. 5	3. 78E-17	-0. 19277	0. 037	0. 132	5. 64E-13	monocyte	ZC3HC1
SDCBP. 5	3. 79E-17	0. 410704	0. 712	0. 73	5. 66E-13	monocyte	SDCBP
UBE20. 6	3. 86E-17	-0. 17079	0. 031	0. 124	5. 77E-13	monocyte	UBE20
LSM4. 4	3. 92E-17	-0. 14194	0. 394	0. 575	5. 86E-13	monocyte	LSM4
LLGL1. 6	3. 99E-17	-0. 17984	0. 021	0. 107	5. 97E-13	monocyte	LLGL1
YBX1. 4	4. 04E-17	-0. 12868	0. 647	0. 774	6. 04E-13	monocyte	YBX1
SLC25A29. 4	1. 0E-17	-0. 14192	0. 055	0. 161	6. 12E-13	monocyte	SLC25A29
C6orf203. 4	2. 2E-17	-0. 19537	0. 065	0. 174	6. 30E-13	monocyte	C6orf203

SYNM.6	4.23E-17	-0.13344	0.004	0.077	6.33E-13	monocyte	SYNM
RBM5.5	4.40E-17	-0.13401	0.148	0.29	6.58E-13	monocyte	RBM5
RNF165.7	4.41E-17	-0.18857	0.002	0.073	6.59E-13	monocyte	RNF165
TPT1-AS1.4	4.42E-17	-0.10591	0.046	0.147	6.61E-13	monocyte	TPT1-AS1
DOCK7.1	4.53E-17	-0.15732	0.038	0.134	6.77E-13	monocyte	DOCK7
EIF2S1.3	4.60E-17	-0.14932	0.183	0.332	6.87E-13	monocyte	EIF2S1
BBS2.8	4.63E-17	-0.25935	0.071	0.181	6.92E-13	monocyte	BBS2
INTS12.5	4.66E-17	-0.1208	0.064	0.173	6.97E-13	monocyte	INTS12
CANT1.3	4.67E-17	-0.1565	0.072	0.184	6.98E-13	monocyte	CANT1
FAM46A.4	4.71E-17	-0.22241	0.089	0.206	7.04E-13	monocyte	FAM46A
B4GALT2.5	4.78E-17	-0.16471	0.007	0.083	7.15E-13	monocyte	B4GALT2
MTF2.5	4.87E-17	-0.11142	0.132	0.265	7.28E-13	monocyte	MTF2
TSPYL4.5	4.90E-17	-0.16587	0.023	0.11	7.33E-13	monocyte	TSPYL4
ZNF300.7	4.96E-17	-0.18828	0.003	0.075	7.41E-13	monocyte	ZNF300
GNB1.5	4.99E-17	-0.16034	0.262	0.429	7.46E-13	monocyte	GNB1
HIPK2.6	5.04E-17	-0.1803	0.11	0.231	7.53E-13	monocyte	HIPK2
DENR.4	5.13E-17	-0.10675	0.182	0.333	7.67E-13	monocyte	DENR
FBXW7.5	5.21E-17	-0.18965	0.04	0.135	7.79E-13	monocyte	FBXW7
CEP290.5	5.24E-17	-0.14182	0.059	0.166	7.84E-13	monocyte	CEP290
MPP6.5	5.39E-17	-0.16235	0.005	0.079	8.05E-13	monocyte	MPP6
CCDC106.8	5.49E-17	-0.15684	0.116	0.242	8.20E-13	monocyte	CCDC106
LENG8.3	5.58E-17	-0.11441	0.105	0.233	8.34E-13	monocyte	LENG8
XIST.8	5.68E-17	-0.23158	0.139	0.277	8.49E-13	monocyte	XIST
MAP1LC3B.5	5.69E-17	-0.11601	0.383	0.582	8.50E-13	monocyte	MAP1LC3B
C5orf45.4	5.71E-17	-0.17531	0.066	0.177	8.53E-13	monocyte	C5orf45
LMO1.7	5.72E-17	-0.24616	0.006	0.081	8.55E-13	monocyte	LMO1
GALNT11.5	5.76E-17	-0.12574	0.11	0.237	8.60E-13	monocyte	GALNT11
UBL4A.6	5.81E-17	-0.13968	0.077	0.192	8.69E-13	monocyte	UBL4A
TPCN1.6	5.93E-17	0.349341	0.161	0.083	8.86E-13	monocyte	TPCN1
LITAF.8	6.13E-17	0.467081	0.532	0.452	9.16E-13	monocyte	LITAF
ETV4.7	6.45E-17	-0.15902	0.008	0.084	9.65E-13	monocyte	ETV4
KIAA0101.6	6.59E-17	-0.25692	0.033	0.125	9.84E-13	monocyte	KIAA0101
DNAL1.2	6.60E-17	-0.19869	0.024	0.111	9.86E-13	monocyte	DNAL1
TNS3.7	6.62E-17	0.265737	0.141	0.067	9.89E-13	monocyte	TNS3
ING5.3	6.64E-17	-0.1265	0.031	0.124	9.93E-13	monocyte	ING5
BCL7B.4	6.68E-17	-0.17238	0.185	0.334	9.99E-13	monocyte	BCL7B
TARSL2.6	6.72E-17	-0.19042	0.028	0.117	1.00E-12	monocyte	TARSL2
UBE2M.5	6.81E-17	-0.16346	0.116	0.24	1.02E-12	monocyte	UBE2M
EFHD2.8	6.88E-17	0.408452	0.3	0.202	1.03E-12	monocyte	EFHD2
SLC2A9.6	7.02E-17	0.19025	0.066	0.022	1.05E-12	monocyte	SLC2A9
AGPAT5.6	7.10E-17	-0.10497	0.095	0.22	1.06E-12	monocyte	AGPAT5
THAP4.2	7.13E-17	-0.18892	0.062	0.168	1.07E-12	monocyte	THAP4
ZNF583.6	7.15E-17	-0.15005	0.025	0.113	1.07E-12	monocyte	ZNF583
DCAF10.4	7.21E-17	-0.17911	0.075	0.187	1.08E-12	monocyte	DCAF10
CRLS1.4	7.24E-17	-0.12221	0.156	0.295	1.08E-12	monocyte	CRLS1
ACLY.5	7.32E-17	-0.15091	0.102	0.226	1.09E-12	monocyte	ACLY
ZNF226.5	7.37E-17	-0.12687	0.092	0.214	1.10E-12	monocyte	ZNF226
LSM14B.3	7.41E-17	-0.16752	0.022	0.107	1.11E-12	monocyte	LSM14B
CITED2.6	7.43E-17	-0.20834	0.223	0.364	1.11E-12	monocyte	CITED2
TMEFF2.8	7.46E-17	-0.25376	0.008	0.084	1.11E-12	monocyte	TMEFF2
SCCPDH.3	7.57E-17	-0.10724	0.23	0.39	1.13E-12	monocyte	SCCPDH



TMEM219.7	7.92E-17	0.40414	0.585	0.558	1.18E-12	monocyte	TMEM219
PTP4A1.4	7.93E-17	-0.13274	0.252	0.421	1.18E-12	monocyte	PTP4A1
PGRMC2.5	8.02E-17	-0.13002	0.109	0.236	1.20E-12	monocyte	PGRMC2
ZNF579.6	8.09E-17	-0.17986	0.031	0.121	1.21E-12	monocyte	ZNF579
NANOS3.6	8.19E-17	-0.15102	0	0.068	1.22E-12	monocyte	NANOS3
TLR3.3	8.20E-17	0.32214	0.078	0.029	1.23E-12	monocyte	TLR3
DBX2.7	8.29E-17	-0.14621	0.001	0.07	1.24E-12	monocyte	DBX2
PLXND1.7	8.33E-17	0.313845	0.173	0.092	1.25E-12	monocyte	PLXND1
RP11-111M	8.39E-17	-0.16453	0.019	0.102	1.25E-12	monocyte	RP11-111M22.3
HSF2.5	8.43E-17	-0.22675	0.033	0.125	1.26E-12	monocyte	HSF2
CASC3.5	8.64E-17	-0.14096	0.079	0.195	1.29E-12	monocyte	CASC3
SOX21-AS1	8.67E-17	-0.14428	0.001	0.07	1.29E-12	monocyte	SOX21-AS1
COL22A1.4	8.80E-17	-0.15175	0.005	0.078	1.31E-12	monocyte	COL22A1
PRSS23.6	8.82E-17	-0.26679	0.008	0.084	1.32E-12	monocyte	PRSS23
ZNF576.4	9.19E-17	-0.14939	0.046	0.145	1.37E-12	monocyte	ZNF576
RP11-563K	9.20E-17	-0.18272	0.001	0.07	1.38E-12	monocyte	RP11-563K23.1
PDLIM2.5	9.26E-17	-0.19847	0.123	0.251	1.38E-12	monocyte	PDLIM2
AGAP2-AS1	9.41E-17	-0.31916	0.02	0.102	1.41E-12	monocyte	AGAP2-AS1
ZNF599.5	9.44E-17	-0.12686	0.006	0.08	1.41E-12	monocyte	ZNF599
SLC35E2B.	9.67E-17	-0.19924	0.051	0.153	1.44E-12	monocyte	SLC35E2B
FAM126A.3	9.72E-17	-0.1863	0.046	0.144	1.45E-12	monocyte	FAM126A
PODXL.4	9.83E-17	-0.15887	0.004	0.076	1.47E-12	monocyte	PODXL
SNRNP70.5	9.94E-17	-0.12265	0.311	0.49	1.49E-12	monocyte	SNRNP70
PURB.2	1.01E-16	-0.16473	0.069	0.178	1.50E-12	monocyte	PURB
DBNDD1.6	1.02E-16	-0.16006	0.003	0.074	1.52E-12	monocyte	DBNDD1
ANAPC7.5	1.04E-16	-0.16772	0.07	0.181	1.56E-12	monocyte	ANAPC7
RPP40.4	1.05E-16	-0.18802	0.033	0.126	1.56E-12	monocyte	RPP40
GNG2.4	1.06E-16	-0.20305	0.077	0.188	1.58E-12	monocyte	GNG2
CCZ1B.6	1.07E-16	-0.16202	0.056	0.16	1.59E-12	monocyte	CCZ1B
WDR12.3	1.09E-16	-0.15734	0.049	0.151	1.63E-12	monocyte	WDR12
CNIH4.6	1.09E-16	-0.16078	0.229	0.386	1.63E-12	monocyte	CNIH4
NDUFA11.2	1.10E-16	-0.10518	0.576	0.756	1.64E-12	monocyte	NDUFA11
CIB2.5	1.10E-16	-0.12336	0.008	0.084	1.65E-12	monocyte	CIB2
MAP4K5.6	1.11E-16	-0.16541	0.058	0.163	1.66E-12	monocyte	MAP4K5
PDLIM1.5	1.11E-16	-0.18863	0.006	0.079	1.66E-12	monocyte	PDLIM1
CELF3.8	1.14E-16	-0.23578	0.002	0.072	1.70E-12	monocyte	CELF3
GPR37L1.7	1.14E-16	-0.32081	0.013	0.091	1.71E-12	monocyte	GPR37L1
HEY2.4	1.15E-16	-0.14878	0.001	0.069	1.71E-12	monocyte	HEY2
RP11-66N1	1.15E-16	-0.14084	0.014	0.093	1.72E-12	monocyte	RP11-66N11.8
CHCHD7.7	1.17E-16	0.519363	0.371	0.278	1.75E-12	monocyte	CHCHD7
EN1.5	1.17E-16	-0.19368	0.001	0.069	1.75E-12	monocyte	EN1
MRI1.3	1.17E-16	-0.13998	0.028	0.118	1.75E-12	monocyte	MRI1
SLC9A3R2.	1.18E-16	-0.14765	0.029	0.119	1.76E-12	monocyte	SLC9A3R2
PCDH10.6	1.18E-16	-0.16426	0.003	0.074	1.76E-12	monocyte	PCDH10
AZIN1.3	1.19E-16	-0.11272	0.192	0.342	1.77E-12	monocyte	AZIN1
ESF1.5	1.19E-16	-0.14847	0.206	0.358	1.78E-12	monocyte	ESF1
RNF8.5	1.20E-16	-0.13551	0.068	0.176	1.79E-12	monocyte	RNF8
AC007405.	1.21E-16	-0.14868	0.003	0.074	1.81E-12	monocyte	AC007405.6
PET117.3	1.21E-16	-0.14495	0.076	0.189	1.81E-12	monocyte	PET117
MZT2B.4	1.22E-16	-0.1521	0.438	0.607	1.82E-12	monocyte	MZT2B
GJC1.5	1.24E-16	-0.13448	0.001	0.069	1.85E-12	monocyte	GJC1

GOT2. 5	1. 24E-16	-0. 11915	0. 088	0. 207	1. 85E-12	monocyte	GOT2
IP6K1. 5	1. 24E-16	-0. 13553	0. 056	0. 16	1. 86E-12	monocyte	IP6K1
CMTM6. 8	1. 25E-16	0. 500507	0. 485	0. 42	1. 87E-12	monocyte	CMTM6
GLIPR2. 7	1. 25E-16	-0. 16633	0. 146	0. 279	1. 87E-12	monocyte	GLIPR2
REPS1. 6	1. 27E-16	-0. 18753	0. 041	0. 135	1. 90E-12	monocyte	REPS1
SH3BP4. 2	1. 28E-16	-0. 18847	0. 008	0. 083	1. 92E-12	monocyte	SH3BP4
COBL. 6	1. 28E-16	-0. 20814	0. 003	0. 073	1. 92E-12	monocyte	COBL
NEIL2. 6	1. 28E-16	-0. 14994	0. 09	0. 208	1. 92E-12	monocyte	NEIL2
TIPARP. 5	1. 29E-16	-0. 23155	0. 071	0. 177	1. 93E-12	monocyte	TIPARP
AAAS. 3	1. 30E-16	-0. 14956	0. 079	0. 195	1. 94E-12	monocyte	AAAS
ASPSCR1. 3	1. 30E-16	-0. 11417	0. 117	0. 247	1. 94E-12	monocyte	ASPSCR1
ZCCHC3. 7	1. 31E-16	-0. 14845	0. 026	0. 113	1. 95E-12	monocyte	ZCCHC3
HS2ST1. 7	1. 32E-16	-0. 16551	0. 073	0. 183	1. 97E-12	monocyte	HS2ST1
SF3B1. 5	1. 33E-16	-0. 10411	0. 273	0. 451	1. 99E-12	monocyte	SF3B1
GALNT6. 4	1. 33E-16	0. 138223	0. 073	0. 026	1. 99E-12	monocyte	GALNT6
REXO2. 7	1. 36E-16	-0. 18938	0. 187	0. 33	2. 03E-12	monocyte	REXO2
RP11-277F	1. 37E-16	-0. 23036	0. 003	0. 073	2. 05E-12	monocyte	RP11-277P12. 20
VGF. 6	1. 39E-16	-0. 25435	0. 004	0. 075	2. 08E-12	monocyte	VGF
ZNF649. 6	1. 41E-16	-0. 13636	0. 016	0. 096	2. 11E-12	monocyte	ZNF649
MFI2-AS1. 1	1. 43E-16	-0. 15062	0. 007	0. 081	2. 13E-12	monocyte	MFI2-AS1
DNAJA3. 3	1. 43E-16	-0. 11291	0. 071	0. 182	2. 14E-12	monocyte	DNAJA3
DGCR2. 4	1. 45E-16	-0. 15527	0. 056	0. 161	2. 17E-12	monocyte	DGCR2
PPP1R9A. 7	1. 47E-16	-0. 22417	0. 005	0. 077	2. 19E-12	monocyte	PPP1R9A
CTC-524C5	1. 49E-16	-0. 1091	0. 033	0. 125	2. 22E-12	monocyte	CTC-524C5. 2
PNMAL1. 7	1. 51E-16	-0. 17845	0. 02	0. 103	2. 26E-12	monocyte	PNMAL1
TNNI2. 6	1. 53E-16	0. 19875	0. 054	0. 016	2. 29E-12	monocyte	TNNI2
TSPYL2. 4	1. 54E-16	-0. 26705	0. 031	0. 12	2. 31E-12	monocyte	TSPYL2
SIAH2. 4	1. 56E-16	-0. 17204	0. 1	0. 22	2. 34E-12	monocyte	SIAH2
POLR2D. 3	1. 59E-16	-0. 17533	0. 048	0. 147	2. 38E-12	monocyte	POLR2D
CTNBL1. 1	1. 61E-16	-0. 16103	0. 168	0. 308	2. 41E-12	monocyte	CTNBL1
FOSL2. 7	1. 62E-16	-0. 23579	0. 086	0. 195	2. 42E-12	monocyte	FOSL2
WDR82. 5	1. 62E-16	-0. 17405	0. 134	0. 265	2. 42E-12	monocyte	WDR82
Clorf131. 1	1. 64E-16	-0. 10207	0. 091	0. 21	2. 45E-12	monocyte	Clorf131
SLC35E1. 1	1. 67E-16	-0. 17033	0. 064	0. 171	2. 50E-12	monocyte	SLC35E1
CYC1. 6	1. 68E-16	-0. 1436	0. 372	0. 554	2. 51E-12	monocyte	CYC1
DCP1A. 3	1. 70E-16	-0. 15352	0. 113	0. 237	2. 55E-12	monocyte	DCP1A
GAR1. 6	1. 71E-16	-0. 13294	0. 085	0. 2	2. 56E-12	monocyte	GAR1
GTF2F1. 1	1. 72E-16	-0. 10599	0. 156	0. 294	2. 56E-12	monocyte	GTF2F1
SLC35A5. 3	1. 72E-16	-0. 13884	0. 082	0. 196	2. 56E-12	monocyte	SLC35A5
TMEM41B. 3	1. 72E-16	-0. 12082	0. 074	0. 185	2. 57E-12	monocyte	TMEM41B
IL6R. 8	1. 73E-16	0. 250693	0. 158	0. 079	2. 59E-12	monocyte	IL6R
TOX3. 7	1. 73E-16	-0. 23791	0. 003	0. 073	2. 59E-12	monocyte	TOX3
USP53. 8	1. 76E-16	0. 496237	0. 22	0. 134	2. 64E-12	monocyte	USP53
NOL4. 6	1. 77E-16	-0. 18216	0. 002	0. 071	2. 64E-12	monocyte	NOL4
PTGFRN. 3	1. 79E-16	-0. 17358	0. 025	0. 111	2. 67E-12	monocyte	PTGFRN
GPSM1. 7	1. 87E-16	-0. 15441	0. 006	0. 079	2. 79E-12	monocyte	GPSM1
SFSWAP. 5	1. 89E-16	-0. 19149	0. 075	0. 185	2. 82E-12	monocyte	SFSWAP
RP11-156K	1. 92E-16	0. 193804	0. 053	0. 016	2. 87E-12	monocyte	RP11-156K13. 3
VCAM1. 6	1. 94E-16	-0. 33743	0. 006	0. 078	2. 90E-12	monocyte	VCAM1
KCTD6. 2	1. 95E-16	-0. 13293	0. 033	0. 125	2. 91E-12	monocyte	KCTD6
TP53BP2. 1	1. 95E-16	-0. 14086	0. 025	0. 111	2. 91E-12	monocyte	TP53BP2

HMGXB4. 3	1. 96E-16	-0. 13262	0. 109	0. 232	2. 92E-12 monocyte	HMGXB4
RGN. 7	1. 97E-16	-0. 20995	0. 006	0. 078	2. 94E-12 monocyte	RGN
NDUFAF6. 6	1. 98E-16	-0. 16577	0. 077	0. 19	2. 95E-12 monocyte	NDUFAF6
CCDC102B. 2	2. 04E-16	-0. 16862	0. 023	0. 108	3. 06E-12 monocyte	CCDC102B
PLEKHH2. 4	2. 06E-16	-0. 16027	0. 004	0. 075	3. 07E-12 monocyte	PLEKHH2
FMN2. 6	2. 07E-16	-0. 12031	0. 004	0. 074	3. 09E-12 monocyte	FMN2
ARL10. 5	2. 09E-16	-0. 1618	0. 016	0. 095	3. 12E-12 monocyte	ARL10
PAF1. 1	2. 13E-16	-0. 18053	0. 101	0. 22	3. 19E-12 monocyte	PAF1
JMJD1C. 6	2. 14E-16	-0. 13377	0. 195	0. 347	3. 20E-12 monocyte	JMJD1C
KDM4B. 5	2. 17E-16	-0. 17054	0. 044	0. 14	3. 24E-12 monocyte	KDM4B
RAB9A. 4	2. 19E-16	-0. 16676	0. 175	0. 315	3. 27E-12 monocyte	RAB9A
UPF3B. 5	2. 26E-16	-0. 19539	0. 133	0. 262	3. 38E-12 monocyte	UPF3B
RP3-428L1	2. 28E-16	-0. 17721	0. 005	0. 076	3. 41E-12 monocyte	RP3-428L16. 2
MDGA1. 5	2. 34E-16	-0. 12954	0. 005	0. 076	3. 50E-12 monocyte	MDGA1
VCP. 4	2. 37E-16	-0. 12947	0. 277	0. 446	3. 54E-12 monocyte	VCP
PTDSS2. 7	2. 39E-16	-0. 16158	0. 058	0. 16	3. 57E-12 monocyte	PTDSS2
RPRM. 8	2. 40E-16	-0. 26868	0. 003	0. 072	3. 58E-12 monocyte	RPRM
PIAS4. 4	2. 44E-16	-0. 17894	0. 044	0. 139	3. 64E-12 monocyte	PIAS4
GLDC. 4	2. 44E-16	-0. 15011	0. 004	0. 074	3. 65E-12 monocyte	GLDC
DEK. 5	2. 46E-16	-0. 17314	0. 312	0. 477	3. 68E-12 monocyte	DEK
AC093323. 2	2. 47E-16	-0. 11626	0. 02	0. 102	3. 69E-12 monocyte	AC093323. 3
RARS. 3	2. 49E-16	-0. 11323	0. 126	0. 255	3. 72E-12 monocyte	RARS
CTHRC1. 6	2. 51E-16	-0. 13917	0. 002	0. 07	3. 76E-12 monocyte	CTHRC1
IGDCC3. 8	2. 55E-16	-0. 14934	0. 001	0. 068	3. 82E-12 monocyte	IGDCC3
ADAMTS9. 6	2. 57E-16	-0. 16348	0. 009	0. 083	3. 83E-12 monocyte	ADAMTS9
ALDOA. 6	2. 61E-16	-0. 11934	0. 706	0. 858	3. 90E-12 monocyte	ALDOA
CDKN3. 7	2. 62E-16	-0. 2844	0. 019	0. 098	3. 91E-12 monocyte	CDKN3
INO80E. 5	2. 62E-16	-0. 14963	0. 111	0. 236	3. 92E-12 monocyte	INO80E
PRKCSH. 4	2. 65E-16	-0. 18174	0. 28	0. 444	3. 95E-12 monocyte	PRKCSH
STK33. 6	2. 68E-16	-0. 14848	0. 004	0. 074	4. 00E-12 monocyte	STK33
TOP1. 3	2. 68E-16	-0. 13122	0. 244	0. 402	4. 01E-12 monocyte	TOP1
PRR13. 6	2. 74E-16	0. 435019	0. 577	0. 54	4. 09E-12 monocyte	PRR13
SLC26A11. 2	2. 85E-16	-0. 1399	0. 026	0. 112	4. 26E-12 monocyte	SLC26A11
ARMC6. 3	2. 87E-16	-0. 14664	0. 064	0. 169	4. 29E-12 monocyte	ARMC6
EIF2B5. 3	2. 91E-16	-0. 11657	0. 078	0. 193	4. 34E-12 monocyte	EIF2B5
SRSF9. 5	2. 91E-16	-0. 12276	0. 402	0. 575	4. 36E-12 monocyte	SRSF9
FAT1. 5	2. 92E-16	-0. 12348	0. 003	0. 072	4. 36E-12 monocyte	FAT1
LRRC40. 4	2. 92E-16	-0. 14689	0. 051	0. 151	4. 36E-12 monocyte	LRRC40
ITPA. 1	2. 93E-16	-0. 10736	0. 257	0. 417	4. 38E-12 monocyte	ITPA
CEP70. 5	2. 93E-16	-0. 18089	0. 022	0. 104	4. 38E-12 monocyte	CEP70
RP11-733C	2. 95E-16	0. 139435	0. 038	0. 009	4. 41E-12 monocyte	RP11-733018. 1
PMPCB. 3	3. 10E-16	-0. 12397	0. 2	0. 356	4. 64E-12 monocyte	PMPCB
EPB41L1. 6	3. 12E-16	-0. 15285	0. 016	0. 094	4. 67E-12 monocyte	EPB41L1
SREBF2. 4	3. 18E-16	-0. 16596	0. 037	0. 127	4. 75E-12 monocyte	SREBF2
CRTAP. 8	3. 23E-16	0. 447654	0. 315	0. 229	4. 83E-12 monocyte	CRTAP
SMG6. 3	3. 27E-16	-0. 12794	0. 038	0. 13	4. 89E-12 monocyte	SMG6
AGRN. 3	3. 29E-16	-0. 158	0. 02	0. 101	4. 92E-12 monocyte	AGRN
ATXN2. 6	3. 33E-16	-0. 15859	0. 108	0. 232	4. 97E-12 monocyte	ATXN2
CPSF4. 4	3. 34E-16	-0. 17466	0. 092	0. 205	4. 99E-12 monocyte	CPSF4
TIAM2. 7	3. 37E-16	-0. 19831	0. 01	0. 085	5. 04E-12 monocyte	TIAM2
KAZN. 5	3. 49E-16	-0. 17646	0. 006	0. 077	5. 21E-12 monocyte	KAZN

ISOC2.7	3.57E-16	-0.14692	0.211	0.361	5.34E-12	monocyte	ISOC2
BLMH.3	3.59E-16	-0.14856	0.074	0.184	5.37E-12	monocyte	BLMH
IKBKE.7	3.59E-16	0.280558	0.114	0.051	5.37E-12	monocyte	IKBKE
SMC6.5	3.63E-16	-0.12533	0.062	0.165	5.42E-12	monocyte	SMC6
PDE6D.5	3.68E-16	-0.18502	0.086	0.198	5.50E-12	monocyte	PDE6D
TAF9B.5	3.69E-16	-0.10589	0.052	0.153	5.51E-12	monocyte	TAF9B
FAM181A.6	3.71E-16	-0.24214	0.003	0.071	5.55E-12	monocyte	FAM181A
RASSF8-AS	3.74E-16	-0.10448	0.064	0.168	5.58E-12	monocyte	RASSF8-AS1
PITPNC1.4	3.77E-16	-0.16755	0.039	0.131	5.64E-12	monocyte	PITPNC1
IFI16.6	3.78E-16	0.383712	0.478	0.386	5.65E-12	monocyte	IFI16
URI1.5	3.87E-16	-0.11593	0.108	0.231	5.78E-12	monocyte	URI1
SNF8.5	3.87E-16	-0.12539	0.297	0.474	5.79E-12	monocyte	SNF8
RP11-195F	3.88E-16	-0.23046	0.018	0.097	5.80E-12	monocyte	RP11-195F19.5
MOB2.2	3.90E-16	-0.16809	0.084	0.196	5.83E-12	monocyte	MOB2
BAMBI.5	3.92E-16	-0.15703	0.005	0.075	5.85E-12	monocyte	BAMBI
ACIN1.5	3.93E-16	-0.16288	0.143	0.276	5.87E-12	monocyte	ACIN1
TMEM206.6	3.93E-16	-0.16971	0.118	0.241	5.87E-12	monocyte	TMEM206
ARHGEF12.	3.95E-16	-0.17227	0.065	0.169	5.90E-12	monocyte	ARHGEF12
FYTDD1.3	4.03E-16	-0.13926	0.163	0.3	6.03E-12	monocyte	FYTDD1
TMEM170A.	4.04E-16	-0.11996	0.133	0.262	6.04E-12	monocyte	TMEM170A
FKBP7.4	4.05E-16	-0.14306	0.018	0.098	6.05E-12	monocyte	FKBP7
ATP6V1B2.	4.05E-16	0.440131	0.47	0.403	6.06E-12	monocyte	ATP6V1B2
PHACTR4.4	4.06E-16	-0.14167	0.094	0.212	6.06E-12	monocyte	PHACTR4
CSK.8	4.12E-16	0.31509	0.23	0.14	6.16E-12	monocyte	CSK
DNM3.6	4.16E-16	-0.22466	0.017	0.094	6.22E-12	monocyte	DNM3
HNRNPL.5	4.18E-16	-0.14324	0.14	0.275	6.25E-12	monocyte	HNRNPL
SEMA4A.6	4.23E-16	0.180035	0.104	0.044	6.32E-12	monocyte	SEMA4A
ANKRD36C.	4.27E-16	-0.13817	0.065	0.171	6.39E-12	monocyte	ANKRD36C
ATP2B1.3	4.29E-16	-0.17255	0.222	0.366	6.40E-12	monocyte	ATP2B1
SESN1.6	4.32E-16	0.372371	0.173	0.095	6.46E-12	monocyte	SESN1
GNB2.5	4.34E-16	-0.14541	0.397	0.585	6.49E-12	monocyte	GNB2
BRSK1.6	4.37E-16	-0.17352	0.014	0.09	6.53E-12	monocyte	BRSK1
SMIM14.6	4.42E-16	-0.11179	0.194	0.343	6.60E-12	monocyte	SMIM14
STX1A.5	4.43E-16	-0.20002	0.004	0.073	6.62E-12	monocyte	STX1A
GRB10.6	4.43E-16	-0.18722	0.007	0.079	6.62E-12	monocyte	GRB10
TMEM145.6	4.55E-16	-0.17281	0.005	0.075	6.81E-12	monocyte	TMEM145
STAT6.8	4.65E-16	0.209895	0.109	0.047	6.95E-12	monocyte	STAT6
ANKRD11.5	4.66E-16	-0.15071	0.184	0.328	6.97E-12	monocyte	ANKRD11
RABL6.5	4.67E-16	-0.16175	0.128	0.257	6.98E-12	monocyte	RABL6
SHOX2.5	4.75E-16	-0.13879	0.002	0.069	7.10E-12	monocyte	SHOX2
ZNF117.6	4.78E-16	-0.19195	0.027	0.112	7.14E-12	monocyte	ZNF117
CNOT2.3	4.81E-16	-0.15516	0.171	0.309	7.18E-12	monocyte	CNOT2
TSPAN3.6	4.84E-16	-0.12775	0.313	0.473	7.23E-12	monocyte	TSPAN3
ZBED5.7	4.86E-16	-0.156	0.078	0.188	7.27E-12	monocyte	ZBED5
LAMA4.6	4.87E-16	-0.17752	0.006	0.077	7.28E-12	monocyte	LAMA4
FLYWCH1.3	4.97E-16	-0.15727	0.024	0.107	7.43E-12	monocyte	FLYWCH1
UBALD2.4	5.02E-16	-0.15789	0.145	0.27	7.51E-12	monocyte	UBALD2
PCDHB7.6	5.06E-16	-0.18841	0.006	0.077	7.56E-12	monocyte	PCDHB7
SMCHD1.5	5.09E-16	-0.11393	0.082	0.197	7.61E-12	monocyte	SMCHD1
OTUB1	5.12E-16	-0.14302	0.234	0.393	7.65E-12	monocyte	OTUB1
TRMT10C.5	5.15E-16	-0.101	0.129	0.26	7.70E-12	monocyte	TRMT10C

KMT2C.6	5.23E-16	-0.11562	0.14	0.272	7.81E-12	monocyte	KMT2C
HSPA4L.5	5.32E-16	-0.18922	0.007	0.079	7.95E-12	monocyte	HSPA4L
CLEC11A.7	5.33E-16	-0.17593	0.117	0.242	7.96E-12	monocyte	CLEC11A
RAI14.4	5.34E-16	-0.16658	0.005	0.075	7.97E-12	monocyte	RAI14
CD164.7	5.34E-16	0.376719	0.531	0.487	7.98E-12	monocyte	CD164
PARD3.4	5.38E-16	-0.11999	0	0.065	8.05E-12	monocyte	PARD3
ADD3.4	5.41E-16	-0.20038	0.045	0.14	8.08E-12	monocyte	ADD3
CDC5L.6	5.45E-16	-0.12884	0.156	0.292	8.15E-12	monocyte	CDC5L
GBE1.5	5.47E-16	-0.23265	0.085	0.194	8.17E-12	monocyte	GBE1
RASGRP1.6	5.51E-16	-0.14294	0.005	0.074	8.23E-12	monocyte	RASGRP1
EBAG9.4	5.53E-16	-0.15884	0.135	0.263	8.26E-12	monocyte	EBAG9
BAG6.3	5.53E-16	-0.14016	0.195	0.343	8.27E-12	monocyte	BAG6
NGLY1.2	5.55E-16	-0.16072	0.105	0.224	8.30E-12	monocyte	NGLY1
INADL.7	5.56E-16	-0.17922	0.004	0.073	8.31E-12	monocyte	INADL
RAB3GAP2.5	5.81E-16	-0.14581	0.072	0.179	8.68E-12	monocyte	RAB3GAP2
HAX1.2	5.83E-16	-0.10123	0.293	0.46	8.72E-12	monocyte	HAX1
ARHGEF7.6	5.86E-16	-0.17982	0.064	0.166	8.75E-12	monocyte	ARHGEF7
DID01.5	5.91E-16	-0.11397	0.055	0.156	8.83E-12	monocyte	DID01
LANCL1.6	5.94E-16	-0.23883	0.035	0.124	8.88E-12	monocyte	LANCL1
MGRN1.5	6.09E-16	-0.17526	0.101	0.218	9.11E-12	monocyte	MGRN1
DMPK.4	6.15E-16	-0.12951	0.003	0.071	9.19E-12	monocyte	DMPK
C9orf116.6	6.16E-16	-0.14985	0.009	0.082	9.21E-12	monocyte	C9orf116
SMCR5.6	6.18E-16	-0.13699	0.019	0.098	9.23E-12	monocyte	SMCR5
LINC01102	6.38E-16	-0.24384	0.006	0.076	9.53E-12	monocyte	LINC01102
GAS2L1.6	6.54E-16	-0.15846	0.059	0.16	9.78E-12	monocyte	GAS2L1
CPEB4.4	6.58E-16	-0.17801	0.132	0.257	9.84E-12	monocyte	CPEB4
PEG3.6	6.62E-16	-0.19413	0.003	0.07	9.89E-12	monocyte	PEG3
INIP.4	6.72E-16	-0.13979	0.092	0.207	1.00E-11	monocyte	INIP
NLN.6	6.75E-16	-0.13392	0.082	0.194	1.01E-11	monocyte	NLN
DVL2.6	6.79E-16	-0.11792	0.076	0.185	1.01E-11	monocyte	DVL2
MED29	6.88E-16	-0.13294	0.147	0.281	1.03E-11	monocyte	MED29
LDLR.5	6.90E-16	-0.11478	0.023	0.106	1.03E-11	monocyte	LDLR
ANKRD12.3	6.91E-16	-0.12022	0.276	0.439	1.03E-11	monocyte	ANKRD12
MSX1.5	6.95E-16	-0.15837	0.003	0.07	1.04E-11	monocyte	MSX1
NDUFV3.2	6.99E-16	-0.10605	0.26	0.423	1.04E-11	monocyte	NDUFV3
CNOT3.3	7.01E-16	-0.11694	0.066	0.171	1.05E-11	monocyte	CNOT3
NXPH4.6	7.06E-16	-0.21254	0.002	0.068	1.05E-11	monocyte	NXPH4
FOXN3.5	7.09E-16	0.413908	0.342	0.247	1.06E-11	monocyte	FOXN3
SPEG.6	7.12E-16	-0.17163	0.006	0.076	1.06E-11	monocyte	SPEG
SS18L1.4	7.15E-16	-0.15063	0.018	0.096	1.07E-11	monocyte	SS18L1
LRRC24.6	7.24E-16	-0.16219	0.005	0.074	1.08E-11	monocyte	LRRC24
ASXL1.5	7.38E-16	-0.18704	0.077	0.186	1.10E-11	monocyte	ASXL1
MGAT1.8	7.47E-16	0.416116	0.432	0.351	1.12E-11	monocyte	MGAT1
CREBZF.7	7.57E-16	-0.15477	0.044	0.139	1.13E-11	monocyte	CREBZF
HSDL1.7	7.74E-16	-0.17658	0.045	0.138	1.16E-11	monocyte	HSDL1
CENPK.6	7.85E-16	-0.16999	0.024	0.106	1.17E-11	monocyte	CENPK
CKAP2.7	7.99E-16	-0.18029	0.073	0.177	1.19E-11	monocyte	CKAP2
RIC8B.6	8.00E-16	-0.13476	0.02	0.099	1.20E-11	monocyte	RIC8B
KHDC1.7	8.09E-16	-0.19473	0.003	0.07	1.21E-11	monocyte	KHDC1
ASAP1.4	8.11E-16	-0.17439	0.117	0.237	1.21E-11	monocyte	ASAP1
PARP12.4	8.17E-16	0.243536	0.138	0.069	1.22E-11	monocyte	PARP12

PTPRN. 6	8. 23E-16	-0. 22777	0. 008	0. 08	1. 23E-11	monocyte	PTPRN
GNAZ. 6	8. 27E-16	-0. 18273	0. 001	0. 066	1. 24E-11	monocyte	GNAZ
COA5. 3	8. 42E-16	-0. 13586	0. 176	0. 317	1. 26E-11	monocyte	COA5
RAB30. 6	8. 45E-16	-0. 15725	0. 009	0. 081	1. 26E-11	monocyte	RAB30
CUL5. 5	8. 61E-16	-0. 13496	0. 112	0. 232	1. 29E-11	monocyte	CUL5
PLLP. 7	8. 79E-16	-0. 34161	0. 005	0. 074	1. 31E-11	monocyte	PLLP
GTF2IRD2. 8	8. 93E-16	-0. 14647	0. 034	0. 123	1. 34E-11	monocyte	GTF2IRD2
FAM179B. 5	9. 05E-16	-0. 14275	0. 037	0. 126	1. 35E-11	monocyte	FAM179B
RP11-536K7. 3	9. 20E-16	0. 378635	0. 084	0. 033	1. 38E-11	monocyte	RP11-536K7. 3
RGS16. 6	9. 25E-16	-0. 14864	0. 153	0. 286	1. 38E-11	monocyte	RGS16
TUG1. 6	9. 26E-16	-0. 10978	0. 075	0. 184	1. 38E-11	monocyte	TUG1
FBXO11. 6	9. 26E-16	-0. 14498	0. 099	0. 215	1. 38E-11	monocyte	FBXO11
LARP1B. 5	9. 36E-16	-0. 163	0. 038	0. 127	1. 40E-11	monocyte	LARP1B
UQCRC1. 4	9. 38E-16	-0. 10591	0. 326	0. 503	1. 40E-11	monocyte	UQCRC1
SYDE1. 4	9. 39E-16	-0. 12598	0. 006	0. 076	1. 40E-11	monocyte	SYDE1
DMD. 4	9. 42E-16	-0. 1638	0. 015	0. 091	1. 41E-11	monocyte	DMD
CENPU. 7	9. 79E-16	-0. 17385	0. 028	0. 112	1. 46E-11	monocyte	CENPU
KLHL20. 4	9. 83E-16	-0. 15691	0. 05	0. 147	1. 47E-11	monocyte	KLHL20
BLOC1S4. 8	9. 84E-16	-0. 12487	0. 126	0. 253	1. 47E-11	monocyte	BLOC1S4
BBIP1. 3	1. 00E-15	-0. 19246	0. 079	0. 187	1. 49E-11	monocyte	BBIP1
SCN3A. 7	1. 00E-15	-0. 19417	0. 007	0. 078	1. 50E-11	monocyte	SCN3A
MAU2. 2	1. 01E-15	-0. 1816	0. 04	0. 13	1. 52E-11	monocyte	MAU2
ARL5A. 4	1. 03E-15	0. 396234	0. 538	0. 515	1. 54E-11	monocyte	ARL5A
MEX3C. 4	1. 03E-15	-0. 15469	0. 021	0. 101	1. 55E-11	monocyte	MEX3C
CRAT. 3	1. 04E-15	-0. 14705	0. 066	0. 169	1. 55E-11	monocyte	CRAT
S100A13. 6	1. 05E-15	-0. 34632	0. 178	0. 306	1. 57E-11	monocyte	S100A13
TBC1D4. 5	1. 06E-15	0. 293269	0. 1	0. 043	1. 58E-11	monocyte	TBC1D4
BAIAP2. 3	1. 07E-15	-0. 19359	0. 094	0. 206	1. 60E-11	monocyte	BAIAP2
CHST8. 6	1. 07E-15	-0. 1571	0. 005	0. 073	1. 60E-11	monocyte	CHST8
PIK3R1. 6	1. 08E-15	-0. 18133	0. 183	0. 318	1. 61E-11	monocyte	PIK3R1
SLC27A3. 3	1. 08E-15	-0. 14439	0. 039	0. 13	1. 62E-11	monocyte	SLC27A3
NELFA. 5	1. 09E-15	-0. 14044	0. 051	0. 148	1. 63E-11	monocyte	NELFA
SENP2. 4	1. 10E-15	-0. 14744	0. 046	0. 14	1. 64E-11	monocyte	SENP2
PARVB. 8	1. 10E-15	0. 360804	0. 244	0. 157	1. 64E-11	monocyte	PARVB
R3HDM4. 4	1. 10E-15	-0. 14077	0. 094	0. 21	1. 64E-11	monocyte	R3HDM4
EVA1C. 7	1. 11E-15	-0. 15466	0. 007	0. 077	1. 66E-11	monocyte	EVA1C
RRP1B. 5	1. 11E-15	-0. 13258	0. 063	0. 164	1. 66E-11	monocyte	RRP1B
LSM12. 3	1. 12E-15	-0. 12976	0. 141	0. 27	1. 67E-11	monocyte	LSM12
FAM216A. 4	1. 13E-15	-0. 13751	0. 039	0. 129	1. 69E-11	monocyte	FAM216A
TNKS1BP1. 1	1. 14E-15	-0. 14836	0. 008	0. 079	1. 70E-11	monocyte	TNKS1BP1
CXCL2. 5	1. 14E-15	-0. 40438	0. 017	0. 093	1. 70E-11	monocyte	CXCL2
MATN2. 5	1. 15E-15	-0. 15903	0. 004	0. 072	1. 71E-11	monocyte	MATN2
PCDH19. 5	1. 16E-15	-0. 13425	0. 001	0. 065	1. 74E-11	monocyte	PCDH19
AP2A1. 3	1. 18E-15	-0. 11766	0. 122	0. 246	1. 76E-11	monocyte	AP2A1
UNG. 5	1. 18E-15	-0. 10222	0. 039	0. 129	1. 77E-11	monocyte	UNG
CCDC137. 4	1. 19E-15	-0. 11568	0. 095	0. 211	1. 77E-11	monocyte	CCDC137
RBM26. 6	1. 20E-15	-0. 17638	0. 104	0. 222	1. 79E-11	monocyte	RBM26
UBE2D2. 5	1. 20E-15	-0. 11752	0. 416	0. 603	1. 80E-11	monocyte	UBE2D2
EPHA3. 7	1. 21E-15	-0. 12483	0. 008	0. 079	1. 80E-11	monocyte	EPHA3
SCMH1. 3	1. 21E-15	-0. 16132	0. 011	0. 084	1. 82E-11	monocyte	SCMH1
TUBG2. 6	1. 22E-15	-0. 13138	0. 031	0. 117	1. 82E-11	monocyte	TUBG2

ITGB3BP. 6	1. 22E-15	-0. 15128	0. 053	0. 151	1. 83E-11	monocyte	ITGB3BP
LINC0090C	1. 25E-15	0. 117673	0. 044	0. 012	1. 87E-11	monocyte	LINC00900
MSANTD3. 5	1. 26E-15	-0. 16169	0. 017	0. 093	1. 89E-11	monocyte	MSANTD3
GTF2IRD2E	1. 27E-15	-0. 16643	0. 049	0. 145	1. 90E-11	monocyte	GTF2IRD2B
UNK. 2	1. 28E-15	-0. 15385	0. 042	0. 134	1. 92E-11	monocyte	UNK
IFT27. 6	1. 28E-15	-0. 11022	0. 139	0. 267	1. 92E-11	monocyte	IFT27
GPX7. 4	1. 29E-15	-0. 11338	0. 076	0. 186	1. 93E-11	monocyte	GPX7
IMP3. 1	1. 30E-15	-0. 13823	0. 223	0. 372	1. 94E-11	monocyte	IMP3
SLFN12. 4	1. 31E-15	0. 206719	0. 065	0. 022	1. 95E-11	monocyte	SLFN12
INSR. 6	1. 31E-15	-0. 15269	0. 054	0. 153	1. 95E-11	monocyte	INSR
RNF34. 5	1. 31E-15	-0. 13365	0. 091	0. 204	1. 96E-11	monocyte	RNF34
MKLN1. 5	1. 33E-15	-0. 15919	0. 118	0. 239	1. 99E-11	monocyte	MKLN1
TTC28. 6	1. 36E-15	-0. 15446	0. 022	0. 102	2. 04E-11	monocyte	TTC28
TMEM199. 4	1. 38E-15	-0. 11841	0. 127	0. 252	2. 06E-11	monocyte	TMEM199
MSH6. 5	1. 38E-15	-0. 14548	0. 042	0. 134	2. 07E-11	monocyte	MSH6
ARHGEF25. 1	1. 39E-15	-0. 19228	0. 004	0. 071	2. 07E-11	monocyte	ARHGEF25
ZNF567. 3	1. 40E-15	-0. 10528	0. 022	0. 102	2. 09E-11	monocyte	ZNF567
NCOA1. 5	1. 41E-15	-0. 16216	0. 067	0. 169	2. 10E-11	monocyte	NCOA1
DNAJA2. 2	1. 43E-15	-0. 11252	0. 197	0. 342	2. 14E-11	monocyte	DNAJA2
CHEK1. 3	1. 44E-15	-0. 14009	0. 013	0. 086	2. 16E-11	monocyte	CHEK1
NFATC2. 5	1. 44E-15	0. 234123	0. 098	0. 042	2. 16E-11	monocyte	NFATC2
SLC25A14. 1	1. 46E-15	-0. 14309	0. 019	0. 097	2. 18E-11	monocyte	SLC25A14
PSMC2. 4	1. 46E-15	-0. 11976	0. 301	0. 473	2. 18E-11	monocyte	PSMC2
GAB1. 6	1. 48E-15	-0. 18608	0. 026	0. 108	2. 21E-11	monocyte	GAB1
FADS3. 4	1. 50E-15	-0. 15959	0. 058	0. 157	2. 24E-11	monocyte	FADS3
PACSN3. 6	1. 52E-15	-0. 13287	0. 006	0. 075	2. 26E-11	monocyte	PACSN3
PROCR. 7	1. 52E-15	0. 268446	0. 132	0. 063	2. 27E-11	monocyte	PROCR
RP11-263K	1. 52E-15	-0. 1615	0. 004	0. 071	2. 27E-11	monocyte	RP11-263K19. 4
SNTB2. 3	1. 52E-15	-0. 15733	0. 022	0. 101	2. 27E-11	monocyte	SNTB2
SULF2. 3	1. 53E-15	-0. 19497	0. 068	0. 167	2. 28E-11	monocyte	SULF2
ZNF430. 4	1. 53E-15	-0. 11857	0. 087	0. 198	2. 29E-11	monocyte	ZNF430
PMEPA1. 7	1. 53E-15	-0. 13954	0. 098	0. 21	2. 29E-11	monocyte	PMEPA1
BRINP2. 6	1. 55E-15	-0. 17064	0. 008	0. 078	2. 32E-11	monocyte	BRINP2
GPRASP2. 6	1. 56E-15	-0. 17942	0. 004	0. 07	2. 33E-11	monocyte	GPRASP2
ABCA8. 6	1. 57E-15	-0. 24915	0. 009	0. 08	2. 34E-11	monocyte	ABCA8
RP11-212F	1. 59E-15	-0. 10115	0. 02	0. 098	2. 38E-11	monocyte	RP11-212P7. 2
PGAP2. 3	1. 59E-15	-0. 11365	0. 035	0. 124	2. 38E-11	monocyte	PGAP2
TASP1. 3	1. 60E-15	-0. 12959	0. 02	0. 099	2. 39E-11	monocyte	TASP1
DNM1. 4	1. 60E-15	-0. 11983	0. 008	0. 079	2. 39E-11	monocyte	DNM1
CRB1. 5	1. 60E-15	-0. 20417	0. 005	0. 073	2. 39E-11	monocyte	CRB1
IGSF11. 5	1. 61E-15	-0. 16567	0. 005	0. 073	2. 40E-11	monocyte	IGSF11
CDK14. 4	1. 65E-15	-0. 16133	0. 011	0. 084	2. 47E-11	monocyte	CDK14
HAT1. 3	1. 66E-15	-0. 11001	0. 172	0. 307	2. 47E-11	monocyte	HAT1
ADAMTS6. 4	1. 67E-15	-0. 13152	0. 004	0. 071	2. 50E-11	monocyte	ADAMTS6
ZNF638. 6	1. 67E-15	-0. 10186	0. 134	0. 262	2. 50E-11	monocyte	ZNF638
WDR48. 5	1. 68E-15	-0. 13796	0. 05	0. 146	2. 52E-11	monocyte	WDR48
TECR. 5	1. 70E-15	-0. 13333	0. 387	0. 556	2. 54E-11	monocyte	TECR
CTU2. 3	1. 71E-15	-0. 11035	0. 046	0. 141	2. 55E-11	monocyte	CTU2
KDM4A. 2	1. 71E-15	-0. 14086	0. 033	0. 12	2. 56E-11	monocyte	KDM4A
CCP110. 6	1. 71E-15	-0. 12606	0. 041	0. 131	2. 56E-11	monocyte	CCP110
PMS2. 6	1. 72E-15	-0. 1726	0. 043	0. 135	2. 57E-11	monocyte	PMS2

SNTA1. 6	1. 73E-15	-0. 12061	0. 016	0. 091	2. 59E-11 monocyte	SNTA1
CBR3. 4	1. 74E-15	-0. 19471	0. 029	0. 112	2. 59E-11 monocyte	CBR3
PNISR. 5	1. 75E-15	-0. 12766	0. 436	0. 627	2. 62E-11 monocyte	PNISR
MICU2. 4	1. 76E-15	-0. 13699	0. 121	0. 244	2. 63E-11 monocyte	MICU2
BCL7C. 4	1. 78E-15	-0. 17892	0. 14	0. 265	2. 67E-11 monocyte	BCL7C
GATAD2A	1. 79E-15	-0. 16483	0. 044	0. 136	2. 67E-11 monocyte	GATAD2A
MEN1. 3	1. 79E-15	-0. 15923	0. 037	0. 124	2. 68E-11 monocyte	MEN1
TCERG1. 5	1. 81E-15	-0. 16476	0. 099	0. 214	2. 71E-11 monocyte	TCERG1
GCLM. 3	1. 82E-15	-0. 20488	0. 067	0. 166	2. 71E-11 monocyte	GCLM
JAGN1. 5	1. 83E-15	-0. 13752	0. 188	0. 332	2. 73E-11 monocyte	JAGN1
PPP1R18. 8	1. 85E-15	0. 415276	0. 372	0. 286	2. 76E-11 monocyte	PPP1R18
PRKCA. 4	1. 86E-15	-0. 12276	0. 095	0. 208	2. 78E-11 monocyte	PRKCA
WDR43. 2	1. 88E-15	-0. 17787	0. 092	0. 203	2. 81E-11 monocyte	WDR43
NOL10. 3	1. 91E-15	-0. 13469	0. 063	0. 163	2. 85E-11 monocyte	NOL10
EMC10. 3	1. 91E-15	-0. 13137	0. 295	0. 464	2. 85E-11 monocyte	EMC10
YARS. 2	1. 93E-15	-0. 13684	0. 11	0. 227	2. 89E-11 monocyte	YARS
ZFAND2B. 2	1. 95E-15	-0. 14592	0. 101	0. 216	2. 92E-11 monocyte	ZFAND2B
DIRAS2. 6	1. 97E-15	-0. 17063	0. 003	0. 068	2. 94E-11 monocyte	DIRAS2
EGLN3. 4	1. 99E-15	-0. 25776	0. 003	0. 068	2. 97E-11 monocyte	EGLN3
SUZ12. 4	2. 00E-15	-0. 10347	0. 091	0. 204	2. 99E-11 monocyte	SUZ12
MRC1. 1	2. 02E-15	0. 165617	0. 032	0. 007	3. 02E-11 monocyte	MRC1
LMO3. 5	2. 04E-15	-0. 2144	0. 015	0. 089	3. 04E-11 monocyte	LMO3
ACO74289. 2	2. 05E-15	0. 38026	0. 118	0. 056	3. 07E-11 monocyte	ACO74289. 1
UBE2E1. 4	2. 10E-15	-0. 14148	0. 293	0. 465	3. 14E-11 monocyte	UBE2E1
GGA2. 8	2. 12E-15	0. 31258	0. 22	0. 132	3. 17E-11 monocyte	GGA2
NPRL2. 5	2. 20E-15	-0. 15356	0. 065	0. 166	3. 29E-11 monocyte	NPRL2
MAPK7. 5	2. 21E-15	-0. 14554	0. 042	0. 132	3. 31E-11 monocyte	MAPK7
POLR1C. 5	2. 22E-15	-0. 18133	0. 04	0. 129	3. 32E-11 monocyte	POLR1C
ARFGAP1. 2	2. 25E-15	-0. 12395	0. 056	0. 156	3. 36E-11 monocyte	ARFGAP1
PLAGL1. 5	2. 27E-15	0. 257841	0. 089	0. 037	3. 40E-11 monocyte	PLAGL1
BRMS1L. 4	2. 27E-15	-0. 18552	0. 024	0. 104	3. 40E-11 monocyte	BRMS1L
HRK. 6	2. 27E-15	-0. 20466	0. 003	0. 068	3. 40E-11 monocyte	HRK
GPR161. 8	2. 28E-15	-0. 11716	0. 015	0. 089	3. 40E-11 monocyte	GPR161
LMNB2. 7	2. 32E-15	-0. 1601	0. 037	0. 124	3. 47E-11 monocyte	LMNB2
HTRA1. 8	2. 36E-15	0. 381638	0. 514	0. 455	3. 53E-11 monocyte	HTRA1
ABCA2. 8	2. 37E-15	-0. 28545	0. 023	0. 102	3. 55E-11 monocyte	ABCA2
ICT1. 2	2. 38E-15	-0. 1104	0. 123	0. 247	3. 55E-11 monocyte	ICT1
GATS. 5	2. 46E-15	-0. 19048	0. 003	0. 068	3. 68E-11 monocyte	GATS
CEP95. 4	2. 51E-15	-0. 12173	0. 041	0. 131	3. 75E-11 monocyte	CEP95
CNR1. 6	2. 56E-15	-0. 13269	0. 009	0. 079	3. 82E-11 monocyte	CNR1
CACNA2D4. 2	2. 56E-15	0. 256241	0. 139	0. 068	3. 82E-11 monocyte	CACNA2D4
C5AR1. 7	2. 57E-15	0. 401291	0. 351	0. 228	3. 84E-11 monocyte	C5AR1
ANKMY2. 4	2. 59E-15	-0. 20625	0. 038	0. 125	3. 87E-11 monocyte	ANKMY2
FAM98A. 5	2. 59E-15	-0. 12657	0. 053	0. 149	3. 87E-11 monocyte	FAM98A
BCS1L. 5	2. 63E-15	-0. 1316	0. 07	0. 174	3. 93E-11 monocyte	BCS1L
ST3GAL3. 5	2. 64E-15	-0. 11559	0. 017	0. 093	3. 94E-11 monocyte	ST3GAL3
UTP11L. 3	2. 64E-15	-0. 13934	0. 167	0. 302	3. 95E-11 monocyte	UTP11L
ARHGAP32. 2	2. 68E-15	-0. 15758	0. 016	0. 091	4. 00E-11 monocyte	ARHGAP32
CLEC4E. 6	2. 81E-15	0. 34688	0. 114	0. 053	4. 20E-11 monocyte	CLEC4E
ORC6. 6	2. 82E-15	-0. 17688	0. 02	0. 097	4. 21E-11 monocyte	ORC6
GMCL1. 5	2. 83E-15	-0. 12339	0. 067	0. 167	4. 23E-11 monocyte	GMCL1



DENND1C.6	2.86E-15	0.18523	0.078	0.03	4.27E-11	monocyte	DENND1C
HERC2.3	2.86E-15	-0.1018	0.087	0.197	4.28E-11	monocyte	HERC2
MGMT.8	2.89E-15	0.33135	0.237	0.144	4.31E-11	monocyte	MGMT
SAMD14.5	2.92E-15	-0.16348	0.004	0.07	4.36E-11	monocyte	SAMD14
CCDC112.7	2.99E-15	-0.18583	0.146	0.271	4.47E-11	monocyte	CCDC112
LMBR1.6	3.09E-15	-0.15153	0.032	0.117	4.61E-11	monocyte	LMBR1
COL5A2.6	3.10E-15	-0.12252	0.003	0.068	4.63E-11	monocyte	COL5A2
HAP1.5	3.13E-15	-0.16609	0.006	0.074	4.67E-11	monocyte	HAP1
VNN2.5	3.17E-15	0.145925	0.064	0.022	4.73E-11	monocyte	VNN2
MED9.4	3.17E-15	-0.15162	0.021	0.099	4.74E-11	monocyte	MED9
BDNF-AS.6	3.21E-15	-0.1534	0.004	0.069	4.79E-11	monocyte	BDNF-AS
BNIP1.6	3.25E-15	-0.18104	0.04	0.127	4.85E-11	monocyte	BNIP1
CCDC43.4	3.30E-15	-0.19119	0.097	0.208	4.93E-11	monocyte	CCDC43
ACO04951.3	3.30E-15	-0.18454	0.065	0.164	4.94E-11	monocyte	ACO04951.6
RBM27.5	3.33E-15	-0.13066	0.116	0.236	4.97E-11	monocyte	RBM27
TOB2.3	3.36E-15	-0.13307	0.095	0.206	5.01E-11	monocyte	TOB2
NUDT4	3.38E-15	-0.18471	0.101	0.212	5.06E-11	monocyte	NUDT4
AGPAT4.5	3.47E-15	-0.14652	0.028	0.109	5.19E-11	monocyte	AGPAT4
PFKP.4	3.52E-15	-0.10061	0.062	0.159	5.26E-11	monocyte	PFKP
EEA1.4	3.54E-15	-0.16693	0.133	0.255	5.28E-11	monocyte	EEA1
AHCY.4	3.54E-15	-0.10535	0.174	0.305	5.29E-11	monocyte	AHCY
RP11-115C	3.58E-15	-0.19387	0.017	0.091	5.34E-11	monocyte	RP11-115C21.2
PNPT1.5	3.61E-15	-0.11806	0.094	0.206	5.40E-11	monocyte	PNPT1
PDPK1.5	3.68E-15	-0.1806	0.089	0.196	5.50E-11	monocyte	PDPK1
NAA15.5	3.72E-15	-0.14227	0.108	0.225	5.57E-11	monocyte	NAA15
CHI3L2.4	3.73E-15	-0.58699	0.087	0.189	5.58E-11	monocyte	CHI3L2
ANK3.7	3.79E-15	-0.22053	0.002	0.065	5.66E-11	monocyte	ANK3
CYSLTR1.6	3.80E-15	0.219565	0.063	0.022	5.67E-11	monocyte	CYSLTR1
RNF144B.7	3.84E-15	0.33558	0.172	0.092	5.73E-11	monocyte	RNF144B
HTRA2.3	3.86E-15	-0.11355	0.114	0.234	5.77E-11	monocyte	HTRA2
EFNA3.5	3.88E-15	-0.20427	0.002	0.065	5.79E-11	monocyte	EFNA3
OSBPL2.4	4.04E-15	-0.12661	0.048	0.141	6.04E-11	monocyte	OSBPL2
ZNF584.4	4.09E-15	-0.15806	0.018	0.092	6.12E-11	monocyte	ZNF584
CENPJ.4	4.11E-15	-0.17458	0.005	0.071	6.14E-11	monocyte	CENPJ
CREB3L1.4	4.14E-15	-0.11847	0.003	0.067	6.19E-11	monocyte	CREB3L1
TP53INP2.4	4.18E-15	-0.16701	0.023	0.101	6.24E-11	monocyte	TP53INP2
BIVM.6	4.20E-15	-0.13406	0.032	0.117	6.27E-11	monocyte	BIVM
ALDH1L1.7	4.20E-15	-0.28679	0.004	0.069	6.28E-11	monocyte	ALDH1L1
ZNF775.7	4.23E-15	-0.17847	0.023	0.101	6.32E-11	monocyte	ZNF775
CTNNA2.6	4.30E-15	-0.2087	0.001	0.063	6.43E-11	monocyte	CTNNA2
ZNF582-AS	4.35E-15	-0.22311	0.011	0.082	6.50E-11	monocyte	ZNF582-AS1
ANKRD37.4	4.41E-15	-0.14714	0.054	0.149	6.59E-11	monocyte	ANKRD37
TYW1.2	4.44E-15	-0.12621	0.039	0.126	6.64E-11	monocyte	TYW1
GPI.5	4.46E-15	-0.14308	0.224	0.368	6.66E-11	monocyte	GPI
FLRT3.6	4.49E-15	-0.15567	0.001	0.063	6.71E-11	monocyte	FLRT3
TFDP2.3	4.61E-15	-0.14616	0.105	0.222	6.88E-11	monocyte	TFDP2
GNAI1.6	4.71E-15	-0.2182	0.03	0.112	7.03E-11	monocyte	GNAI1
CSRP1.5	4.72E-15	-0.24158	0.129	0.248	7.06E-11	monocyte	CSRP1
TMEM68.5	4.75E-15	-0.10635	0.072	0.175	7.10E-11	monocyte	TMEM68
PEX13	4.75E-15	-0.19717	0.075	0.178	7.10E-11	monocyte	PEX13
VPS16.2	4.75E-15	-0.14987	0.079	0.183	7.10E-11	monocyte	VPS16

ABI1. 8	4. 76E-15	0. 559681	0. 316	0. 234	7. 11E-11	monocyte	ABI1
IGF1R. 5	4. 76E-15	-0. 17929	0. 007	0. 075	7. 11E-11	monocyte	IGF1R
DCUN1D4. 4	4. 83E-15	-0. 13263	0. 026	0. 106	7. 22E-11	monocyte	DCUN1D4
RFX2. 2	4. 85E-15	-0. 12523	0. 023	0. 102	7. 25E-11	monocyte	RFX2
GON4L. 5	4. 88E-15	-0. 11103	0. 108	0. 224	7. 30E-11	monocyte	GON4L
TTF1. 4	4. 89E-15	-0. 10046	0. 098	0. 212	7. 31E-11	monocyte	TTF1
ZBTB22. 2	4. 90E-15	-0. 1202	0. 017	0. 091	7. 33E-11	monocyte	ZBTB22
SIPA1L1. 1	4. 91E-15	-0. 18133	0. 071	0. 173	7. 34E-11	monocyte	SIPA1L1
ALDH6A1. 5	4. 94E-15	-0. 16384	0. 103	0. 216	7. 39E-11	monocyte	ALDH6A1
DPP4. 5	4. 96E-15	-0. 10817	0. 013	0. 083	7. 41E-11	monocyte	DPP4
NCOA4. 8	5. 04E-15	0. 420148	0. 335	0. 256	7. 53E-11	monocyte	NCOA4
MPP2. 7	5. 09E-15	-0. 14333	0. 002	0. 065	7. 60E-11	monocyte	MPP2
MIS18BP1. 5	5. 13E-15	0. 374682	0. 223	0. 14	7. 67E-11	monocyte	MIS18BP1
PITHD1. 6	5. 18E-15	-0. 12449	0. 211	0. 358	7. 74E-11	monocyte	PITHD1
PIP5K1A. 1	5. 18E-15	-0. 12777	0. 057	0. 154	7. 74E-11	monocyte	PIP5K1A
FAM102A. 5	5. 21E-15	-0. 1963	0. 025	0. 104	7. 78E-11	monocyte	FAM102A
IMPAD1. 3	5. 22E-15	-0. 19356	0. 089	0. 195	7. 80E-11	monocyte	IMPAD1
COPG2. 4	5. 27E-15	-0. 13429	0. 038	0. 124	7. 88E-11	monocyte	COPG2
MARCH9. 7	5. 33E-15	-0. 26647	0. 067	0. 162	7. 96E-11	monocyte	9-Mar
MZF1. 3	5. 38E-15	-0. 12357	0. 021	0. 098	8. 04E-11	monocyte	MZF1
DHX38. 3	5. 38E-15	-0. 17517	0. 037	0. 122	8. 05E-11	monocyte	DHX38
EFTUD2. 3	5. 42E-15	-0. 12214	0. 108	0. 224	8. 09E-11	monocyte	EFTUD2
ZNF263. 2	5. 43E-15	-0. 1576	0. 045	0. 135	8. 11E-11	monocyte	ZNF263
MTA1. 5	5. 43E-15	-0. 14669	0. 09	0. 199	8. 11E-11	monocyte	MTA1
TEX261. 4	5. 47E-15	-0. 14503	0. 072	0. 174	8. 17E-11	monocyte	TEX261
MMP15. 7	5. 47E-15	-0. 12901	0. 004	0. 068	8. 18E-11	monocyte	MMP15
SAA1. 5	5. 49E-15	-0. 83354	0. 041	0. 126	8. 20E-11	monocyte	SAA1
CENPF. 8	5. 56E-15	-0. 30451	0. 028	0. 108	8. 31E-11	monocyte	CENPF
DENND5A. 3	5. 64E-15	-0. 16378	0. 081	0. 187	8. 43E-11	monocyte	DENND5A
IRAK3. 8	5. 65E-15	0. 234267	0. 138	0. 068	8. 44E-11	monocyte	IRAK3
CDH6. 6	5. 72E-15	-0. 14184	0. 007	0. 074	8. 55E-11	monocyte	CDH6
GLRB. 5	5. 80E-15	-0. 14165	0. 002	0. 064	8. 67E-11	monocyte	GLRB
RP11-597D13. 8	5. 81E-15	0. 250711	0. 059	0. 02	8. 68E-11	monocyte	RP11-597D13. 8
YJEFN3. 6	5. 89E-15	-0. 15266	0. 004	0. 068	8. 80E-11	monocyte	YJEFN3
CIZ1. 3	6. 13E-15	-0. 10776	0. 081	0. 188	9. 16E-11	monocyte	CIZ1
SETBP1. 6	6. 17E-15	-0. 15315	0. 01	0. 08	9. 22E-11	monocyte	SETBP1
MYLK. 5	6. 20E-15	-0. 26174	0. 002	0. 064	9. 26E-11	monocyte	MYLK
DXO. 3	6. 33E-15	-0. 12066	0. 041	0. 129	9. 46E-11	monocyte	DXO
ZFP36L1. 4	6. 35E-15	0. 342861	0. 603	0. 556	9. 49E-11	monocyte	ZFP36L1
METTL3. 3	6. 37E-15	-0. 1857	0. 042	0. 13	9. 51E-11	monocyte	METTL3
EFNB1. 4	6. 46E-15	-0. 17889	0. 024	0. 102	9. 66E-11	monocyte	EFNB1
DFFA. 3	6. 47E-15	-0. 10918	0. 112	0. 229	9. 68E-11	monocyte	DFFA
SLC36A1. 2	6. 67E-15	0. 159958	0. 071	0. 026	9. 96E-11	monocyte	SLC36A1
LRRC1. 6	6. 96E-15	-0. 16303	0. 008	0. 075	1. 04E-10	monocyte	LRRC1
BYSL. 4	6. 97E-15	-0. 12149	0. 031	0. 114	1. 04E-10	monocyte	BYSL
ARID1A. 5	7. 00E-15	-0. 13522	0. 129	0. 252	1. 05E-10	monocyte	ARID1A
ZNF322. 6	7. 01E-15	-0. 15667	0. 049	0. 141	1. 05E-10	monocyte	ZNF322
CD5L. 1	7. 11E-15	0. 168104	0. 021	0. 003	1. 06E-10	monocyte	CD5L
HMOX2. 4	7. 16E-15	-0. 15442	0. 17	0. 306	1. 07E-10	monocyte	HMOX2
ZMYM5. 2	7. 27E-15	-0. 17044	0. 058	0. 155	1. 09E-10	monocyte	ZMYM5
TMEM131. 6	7. 34E-15	-0. 15183	0. 058	0. 154	1. 10E-10	monocyte	TMEM131

SLC25A38.	7. 34E-15	-0. 1671	0. 058	0. 153	1. 10E-10	monocyte	SLC25A38
PDZRN3.	6 7. 38E-15	-0. 17207	0. 001	0. 062	1. 10E-10	monocyte	PDZRN3
XXbac-B13	7. 40E-15	0. 132499	0. 052	0. 016	1. 11E-10	monocyte	XXbac-B135H6. 15
ARFGAP3.	1 7. 41E-15	-0. 1761	0. 12	0. 238	1. 11E-10	monocyte	ARFGAP3
SPSB4.	6 7. 77E-15	-0. 12871	0. 002	0. 064	1. 16E-10	monocyte	SPSB4
CTPS1.	5 7. 81E-15	-0. 12259	0. 03	0. 113	1. 17E-10	monocyte	CTPS1
HS6ST2.	4 7. 88E-15	-0. 10823	0. 004	0. 068	1. 18E-10	monocyte	HS6ST2
AC011043.	7. 91E-15	-0. 1501	0. 004	0. 068	1. 18E-10	monocyte	AC011043. 1
AKAP1.	3 8. 00E-15	-0. 12467	0. 041	0. 129	1. 20E-10	monocyte	AKAP1
GORASP2.	4 8. 00E-15	-0. 14242	0. 169	0. 304	1. 20E-10	monocyte	GORASP2
RAB22A.	5 8. 07E-15	-0. 12137	0. 128	0. 248	1. 21E-10	monocyte	RAB22A
KCTD1.	6 8. 08E-15	-0. 14915	0. 005	0. 07	1. 21E-10	monocyte	KCTD1
LRRC49.	4 8. 10E-15	-0. 1584	0. 002	0. 064	1. 21E-10	monocyte	LRRC49
SULT1A1.	6 8. 12E-15	0. 309793	0. 101	0. 045	1. 21E-10	monocyte	SULT1A1
RUNDC1.	4 8. 13E-15	-0. 16129	0. 051	0. 143	1. 22E-10	monocyte	RUNDC1
DLL1.	5 8. 19E-15	-0. 2182	0. 009	0. 077	1. 22E-10	monocyte	DLL1
CTCF.	5 8. 40E-15	-0. 13579	0. 071	0. 172	1. 25E-10	monocyte	CTCF
PRKAR2A.	3 8. 52E-15	-0. 13817	0. 136	0. 259	1. 27E-10	monocyte	PRKAR2A
CEP78.	7 8. 55E-15	-0. 12134	0. 035	0. 121	1. 28E-10	monocyte	CEP78
NKX2-5.	6 8. 74E-15	-0. 19781	0. 005	0. 07	1. 31E-10	monocyte	NKX2-5
KPNA6.	2 8. 81E-15	-0. 15276	0. 125	0. 244	1. 32E-10	monocyte	KPNA6
C5orf30.	5 9. 02E-15	-0. 15705	0. 011	0. 081	1. 35E-10	monocyte	C5orf30
CCNE2.	5 9. 09E-15	-0. 20874	0. 002	0. 063	1. 36E-10	monocyte	CCNE2
ITGA2.	6 9. 20E-15	-0. 13708	0. 004	0. 067	1. 37E-10	monocyte	ITGA2
MAML2.	7 9. 28E-15	-0. 10619	0. 095	0. 207	1. 39E-10	monocyte	MAML2
RNF135.	8 9. 32E-15	0. 332647	0. 183	0. 104	1. 39E-10	monocyte	RNF135
UBE2G1.	7 9. 44E-15	-0. 13659	0. 143	0. 268	1. 41E-10	monocyte	UBE2G1
CSNK1G2.	3 9. 48E-15	-0. 10953	0. 055	0. 151	1. 42E-10	monocyte	CSNK1G2
CHMP7.	6 9. 57E-15	-0. 13838	0. 081	0. 185	1. 43E-10	monocyte	CHMP7
FRYL.	7 9. 57E-15	-0. 11315	0. 089	0. 196	1. 43E-10	monocyte	FRYL
MVB12A.	4 9. 92E-15	-0. 11611	0. 18	0. 313	1. 48E-10	monocyte	MVB12A
RP11-448A	1. 00E-14	-0. 14419	0. 022	0. 098	1. 50E-10	monocyte	RP11-448A19. 1
ANP32A.	8 1. 00E-14	0. 443352	0. 477	0. 424	1. 50E-10	monocyte	ANP32A
WDR25.	3 1. 00E-14	-0. 17462	0. 026	0. 104	1. 50E-10	monocyte	WDR25
AARSD1.	5 1. 02E-14	-0. 1363	0. 03	0. 112	1. 53E-10	monocyte	AARSD1
ERBB4.	7 1. 04E-14	-0. 19961	0. 002	0. 063	1. 55E-10	monocyte	ERBB4
C20orf96.	1. 05E-14	-0. 11119	0. 061	0. 158	1. 56E-10	monocyte	C20orf96
CAPRIN2.	5 1. 06E-14	-0. 10446	0. 029	0. 111	1. 59E-10	monocyte	CAPRIN2
LZTS1.	7 1. 08E-14	-0. 14357	0. 003	0. 065	1. 62E-10	monocyte	LZTS1
CDIP1.	3 1. 09E-14	-0. 15386	0. 089	0. 195	1. 63E-10	monocyte	CDIP1
RPP25.	2 1. 09E-14	0. 106893	0. 069	0. 025	1. 63E-10	monocyte	RPP25
TCTA.	2 1. 12E-14	-0. 16706	0. 071	0. 169	1. 68E-10	monocyte	TCTA
ABCE1.	3 1. 13E-14	-0. 10183	0. 135	0. 26	1. 69E-10	monocyte	ABCE1
SAPCD2.	6 1. 15E-14	-0. 16674	0. 001	0. 061	1. 72E-10	monocyte	SAPCD2
CHST3.	5 1. 16E-14	-0. 11571	0. 005	0. 069	1. 73E-10	monocyte	CHST3
RP11-698N	1. 20E-14	-0. 16525	0. 002	0. 063	1. 80E-10	monocyte	RP11-698N11. 2
SIKE1.	2 1. 23E-14	-0. 14331	0. 089	0. 197	1. 83E-10	monocyte	SIKE1
RUNDC3A.	8 1. 23E-14	-0. 24859	0. 027	0. 104	1. 84E-10	monocyte	RUNDC3A
DPH2.	4 1. 28E-14	-0. 13496	0. 038	0. 123	1. 92E-10	monocyte	DPH2
KCNJ16.	6 1. 30E-14	-0. 1372	0	0. 059	1. 94E-10	monocyte	KCNJ16
RBFA.	2 1. 30E-14	-0. 11856	0. 073	0. 176	1. 94E-10	monocyte	RBFA

ARL6IP5.3	1.32E-14	0.321088	0.649	0.65	1.97E-10	monocyte	ARL6IP5
MARK1.5	1.32E-14	-0.13091	0.007	0.072	1.97E-10	monocyte	MARK1
MIEF1.2	1.33E-14	-0.14864	0.058	0.153	1.99E-10	monocyte	MIEF1
CCDC69.6	1.36E-14	0.142755	0.08	0.032	2.03E-10	monocyte	CCDC69
TREM1.7	1.37E-14	-0.30895	0.076	0.172	2.04E-10	monocyte	TREM1
CNKSR2.6	1.37E-14	-0.12312	0.004	0.067	2.05E-10	monocyte	CNKSR2
MFSD10.3	1.40E-14	-0.17765	0.18	0.312	2.09E-10	monocyte	MFSD10
HSPA6.4	1.40E-14	0.312493	0.17	0.093	2.09E-10	monocyte	HSPA6
SCARF1.6	1.44E-14	0.21278	0.065	0.023	2.14E-10	monocyte	SCARF1
NAV1.5	1.44E-14	-0.15813	0.071	0.171	2.15E-10	monocyte	NAV1
ZNF260.5	1.44E-14	-0.15251	0.027	0.106	2.15E-10	monocyte	ZNF260
NEO1.5	1.47E-14	-0.1503	0.01	0.078	2.19E-10	monocyte	NEO1
VRK3.5	1.47E-14	-0.10109	0.112	0.228	2.20E-10	monocyte	VRK3
YY1AP1.2	1.50E-14	-0.13209	0.076	0.179	2.24E-10	monocyte	YY1AP1
NRSN1.6	1.53E-14	-0.15661	0.003	0.065	2.28E-10	monocyte	NRSN1
DNMT1.7	1.54E-14	-0.19971	0.167	0.297	2.31E-10	monocyte	DNMT1
TNFRSF21.1	1.54E-14	-0.13788	0.072	0.171	2.31E-10	monocyte	TNFRSF21
ACO05082.1	1.55E-14	0.122885	0.033	0.008	2.31E-10	monocyte	ACO05082.12
PWWP2A.5	1.57E-14	-0.13221	0.045	0.134	2.34E-10	monocyte	PWWP2A
NCAM2.6	1.59E-14	-0.19407	0.007	0.073	2.37E-10	monocyte	NCAM2
ZNF273.6	1.59E-14	-0.16426	0.018	0.09	2.38E-10	monocyte	ZNF273
MNS1.5	1.60E-14	-0.13093	0.011	0.08	2.39E-10	monocyte	MNS1
C10orf10.1	1.61E-14	-0.38379	0.022	0.097	2.41E-10	monocyte	C10orf10
HENMT1.7	1.61E-14	0.241086	0.074	0.029	2.41E-10	monocyte	HENMT1
RP11-398K	1.62E-14	-0.16285	0.013	0.082	2.42E-10	monocyte	RP11-398K22.12
NKAIN4.6	1.62E-14	-0.29549	0.029	0.107	2.42E-10	monocyte	NKAIN4
E2F5.4	1.63E-14	-0.10649	0.006	0.07	2.43E-10	monocyte	E2F5
PRPF40A.4	1.64E-14	-0.10764	0.301	0.463	2.46E-10	monocyte	PRPF40A
HPCA.6	1.68E-14	-0.19057	0.003	0.065	2.51E-10	monocyte	HPCA
PTPRG.5	1.70E-14	-0.14495	0.01	0.078	2.53E-10	monocyte	PTPRG
RFC3.5	1.75E-14	-0.13104	0.02	0.094	2.61E-10	monocyte	RFC3
RGCC.6	1.76E-14	-0.17704	0.147	0.259	2.63E-10	monocyte	RGCC
FRMD5.4	1.78E-14	-0.1132	0.002	0.062	2.66E-10	monocyte	FRMD5
IRF2BP1.7	1.83E-14	-0.10884	0.031	0.113	2.73E-10	monocyte	IRF2BP1
ADM.6	1.83E-14	-0.26929	0.094	0.193	2.74E-10	monocyte	ADM
NSMF.4	1.84E-14	-0.13064	0.039	0.123	2.75E-10	monocyte	NSMF
ABCG1.6	1.87E-14	0.245486	0.211	0.124	2.79E-10	monocyte	ABCG1
CBX2.4	1.87E-14	-0.14924	0.007	0.072	2.80E-10	monocyte	CBX2
SMIM18.7	1.88E-14	-0.21174	0.004	0.066	2.81E-10	monocyte	SMIM18
TOM1L1.5	1.90E-14	-0.10716	0.002	0.062	2.84E-10	monocyte	TOM1L1
GAL3ST3.6	1.91E-14	-0.13205	0.003	0.064	2.85E-10	monocyte	GAL3ST3
VHL.3	1.92E-14	-0.12446	0.072	0.171	2.86E-10	monocyte	VHL
MUT.5	1.96E-14	-0.17317	0.068	0.165	2.93E-10	monocyte	MUT
PLCD3.4	1.99E-14	-0.11744	0.007	0.072	2.98E-10	monocyte	PLCD3
SHC4.4	2.02E-14	-0.12635	0.002	0.062	3.01E-10	monocyte	SHC4
TAF13.3	2.02E-14	-0.15168	0.053	0.144	3.02E-10	monocyte	TAF13
PDP1.5	2.03E-14	-0.14843	0.046	0.133	3.03E-10	monocyte	PDP1
BGN.7	2.05E-14	-0.27519	0.006	0.07	3.06E-10	monocyte	BGN
PLXNB1.6	2.06E-14	-0.17533	0.013	0.081	3.08E-10	monocyte	PLXNB1
C16orf87.2	2.12E-14	-0.12101	0.103	0.214	3.17E-10	monocyte	C16orf87
STK19.1	2.14E-14	-0.12055	0.046	0.133	3.20E-10	monocyte	STK19

CCER2.7	2.18E-14	-0.22074	0.001	0.06	3.26E-10	monocyte	CCER2
SPPL3.6	2.19E-14	-0.1049	0.096	0.206	3.27E-10	monocyte	SPPL3
UNC119B.3	2.21E-14	-0.1381	0.005	0.068	3.30E-10	monocyte	UNC119B
PRADC1.6	2.27E-14	-0.12503	0.112	0.226	3.39E-10	monocyte	PRADC1
SEPT3.7	2.29E-14	-0.206	0.008	0.073	3.43E-10	monocyte	3-Sep
JADE1.3	2.31E-14	-0.13878	0.044	0.131	3.46E-10	monocyte	JADE1
IZUM04.4	2.32E-14	-0.14654	0.007	0.072	3.47E-10	monocyte	IZUM04
CHRN1.7	2.35E-14	-0.15884	0.062	0.156	3.51E-10	monocyte	CHRN1
CPSF7.2	2.37E-14	-0.11363	0.09	0.195	3.53E-10	monocyte	CPSF7
CDC42EP3.	2.37E-14	-0.19494	0.045	0.131	3.54E-10	monocyte	CDC42EP3
SIX1.6	2.39E-14	-0.15511	0.002	0.062	3.58E-10	monocyte	SIX1
RAB6B.7	2.44E-14	-0.13596	0.006	0.07	3.64E-10	monocyte	RAB6B
GMIP.7	2.45E-14	0.26144	0.135	0.069	3.66E-10	monocyte	GMIP
MYT1L.8	2.46E-14	-0.22578	0.003	0.064	3.67E-10	monocyte	MYT1L
LIN7B.6	2.50E-14	-0.10493	0.043	0.129	3.73E-10	monocyte	LIN7B
RASAL3.7	2.50E-14	0.173005	0.113	0.052	3.74E-10	monocyte	RASAL3
TMUB2.2	2.51E-14	-0.13279	0.144	0.27	3.75E-10	monocyte	TMUB2
FGD3.4	2.52E-14	0.182797	0.086	0.035	3.76E-10	monocyte	FGD3
IL13RA2.6	2.54E-14	-0.27107	0.001	0.06	3.79E-10	monocyte	IL13RA2
PPP2R3A.4	2.58E-14	-0.15682	0.004	0.065	3.86E-10	monocyte	PPP2R3A
TRAF3IP2.	2.60E-14	-0.19604	0.026	0.102	3.89E-10	monocyte	TRAF3IP2
RAB3IL1.5	2.61E-14	0.202788	0.075	0.029	3.90E-10	monocyte	RAB3IL1
CACFD1.6	2.61E-14	-0.14657	0.02	0.093	3.90E-10	monocyte	CACFD1
TTI1.4	2.61E-14	-0.13278	0.026	0.103	3.90E-10	monocyte	TTI1
TLR10.6	2.62E-14	0.194882	0.061	0.021	3.91E-10	monocyte	TLR10
ZDHHC15.6	2.64E-14	-0.11299	0.004	0.066	3.94E-10	monocyte	ZDHHC15
B4GALT1.8	2.64E-14	0.380448	0.195	0.114	3.95E-10	monocyte	B4GALT1
DLEU1.2	2.67E-14	-0.12074	0.021	0.095	3.99E-10	monocyte	DLEU1
PARP10.4	2.69E-14	0.309267	0.15	0.081	4.02E-10	monocyte	PARP10
RALBP1.3	2.71E-14	-0.13405	0.178	0.314	4.04E-10	monocyte	RALBP1
CDADC1.3	2.73E-14	-0.16961	0.032	0.113	4.08E-10	monocyte	CDADC1
CD63.7	2.74E-14	0.22985	0.943	0.923	4.09E-10	monocyte	CD63
CDK5RAP1.	2.75E-14	-0.11966	0.068	0.166	4.10E-10	monocyte	CDK5RAP1
GTF3C5.5	2.80E-14	-0.10217	0.089	0.195	4.18E-10	monocyte	GTF3C5
TPX2.7	2.83E-14	-0.24382	0.018	0.088	4.23E-10	monocyte	TPX2
ETFDH.4	2.84E-14	-0.23131	0.044	0.129	4.24E-10	monocyte	ETFDH
MZT1.4	2.84E-14	-0.12433	0.144	0.265	4.25E-10	monocyte	MZT1
POGZ.6	2.89E-14	-0.10355	0.105	0.22	4.31E-10	monocyte	POGZ
LAYN.6	2.89E-14	-0.1286	0.002	0.061	4.32E-10	monocyte	LAYN
PPP1R11.2	2.90E-14	-0.11394	0.225	0.372	4.33E-10	monocyte	PPP1R11
ARL13B.6	2.95E-14	-0.16807	0.057	0.15	4.40E-10	monocyte	ARL13B
PHF23.6	2.96E-14	-0.13696	0.105	0.216	4.42E-10	monocyte	PHF23
HOXA5.4	2.97E-14	-0.20614	0.004	0.065	4.44E-10	monocyte	HOXA5
STX7.7	2.99E-14	0.430709	0.348	0.261	4.48E-10	monocyte	STX7
ABCB8.4	3.00E-14	-0.14762	0.056	0.149	4.49E-10	monocyte	ABCB8
ARHGAP33.	3.01E-14	-0.14129	0.017	0.088	4.49E-10	monocyte	ARHGAP33
HTATIP2.8	3.01E-14	0.391281	0.222	0.14	4.50E-10	monocyte	HTATIP2
SLBP.6	3.02E-14	-0.14808	0.189	0.322	4.51E-10	monocyte	SLBP
BCAP31.4	3.03E-14	0.343059	0.614	0.619	4.53E-10	monocyte	BCAP31
SLC30A5.4	3.07E-14	-0.10046	0.103	0.214	4.58E-10	monocyte	SLC30A5
GFOD1.2	3.07E-14	-0.17754	0.008	0.073	4.59E-10	monocyte	GFOD1

FAM69B.5	3.11E-14	-0.11498	0.003	0.063	4.65E-10	monocyte	FAM69B
GTPBP6.3	3.17E-14	-0.10712	0.109	0.221	4.73E-10	monocyte	GTPBP6
SSBP4.4	3.17E-14	-0.14626	0.158	0.28	4.74E-10	monocyte	SSBP4
PCDHB14.4	3.19E-14	-0.1671	0.001	0.059	4.76E-10	monocyte	PCDHB14
FAM200A.5	3.22E-14	-0.17869	0.026	0.102	4.81E-10	monocyte	FAM200A
DPP7.8	3.25E-14	0.366055	0.495	0.464	4.86E-10	monocyte	DPP7
ZBED3.5	3.26E-14	-0.1556	0.021	0.094	4.87E-10	monocyte	ZBED3
SH3BP1.8	3.29E-14	0.317195	0.182	0.106	4.92E-10	monocyte	SH3BP1
CENPN.5	3.30E-14	-0.21548	0.021	0.093	4.93E-10	monocyte	CENPN
CEP85L.4	3.31E-14	-0.171	0.038	0.12	4.94E-10	monocyte	CEP85L
NDRG1.4	3.40E-14	-0.35743	0.085	0.179	5.08E-10	monocyte	NDRG1
NT5E.3	3.44E-14	-0.16677	0.005	0.067	5.15E-10	monocyte	NT5E
KLF12.6	3.55E-14	-0.14596	0.019	0.091	5.31E-10	monocyte	KLF12
NDUFB4.3	3.61E-14	-0.11324	0.511	0.695	5.39E-10	monocyte	NDUFB4
RNF219.4	3.62E-14	-0.14916	0.039	0.121	5.41E-10	monocyte	RNF219
C1QTNF4.6	3.62E-14	-0.1779	0.002	0.061	5.42E-10	monocyte	C1QTNF4
PDLIM4.6	3.63E-14	-0.25866	0.011	0.078	5.42E-10	monocyte	PDLIM4
NEK1.5	3.67E-14	-0.10654	0.046	0.133	5.48E-10	monocyte	NEK1
VPS37D.6	3.67E-14	-0.14658	0.004	0.065	5.49E-10	monocyte	VPS37D
ZNF268.6	3.72E-14	-0.17649	0.041	0.124	5.56E-10	monocyte	ZNF268
OTUD6B.5	3.88E-14	-0.13995	0.042	0.126	5.79E-10	monocyte	OTUD6B
CACNA1A.7	3.90E-14	-0.23728	0.026	0.102	5.82E-10	monocyte	CACNA1A
MAFG-AS1.3	3.90E-14	-0.11215	0.007	0.071	5.82E-10	monocyte	MAFG-AS1
PSMC3IP.7	3.93E-14	-0.18388	0.01	0.076	5.87E-10	monocyte	PSMC3IP
ARHGEF4.5	3.97E-14	-0.13129	0.001	0.059	5.93E-10	monocyte	ARHGEF4
OGFRL1.8	4.00E-14	0.339402	0.263	0.174	5.97E-10	monocyte	OGFRL1
MSH2.5	4.03E-14	-0.11239	0.04	0.123	6.02E-10	monocyte	MSH2
PHIP.5	4.04E-14	-0.14439	0.207	0.343	6.04E-10	monocyte	PHIP
BLM.3	4.05E-14	-0.12787	0.016	0.086	6.05E-10	monocyte	BLM
NF1.4	4.06E-14	-0.10108	0.117	0.233	6.07E-10	monocyte	NF1
PCDH1.5	4.14E-14	-0.14251	0.004	0.064	6.18E-10	monocyte	PCDH1
MTMR11.3	4.21E-14	-0.1531	0.01	0.076	6.30E-10	monocyte	MTMR11
STRBP.8	4.23E-14	-0.15414	0.047	0.133	6.32E-10	monocyte	STRBP
PPM1M.8	4.24E-14	0.274465	0.135	0.069	6.33E-10	monocyte	PPM1M
LINC00685	4.28E-14	-0.15384	0.063	0.157	6.40E-10	monocyte	LINC00685
CBX4.8	4.31E-14	-0.13987	0.039	0.122	6.43E-10	monocyte	CBX4
HOXA3.7	4.37E-14	-0.18873	0.002	0.061	6.52E-10	monocyte	HOXA3
PIK3CG.5	4.38E-14	0.132714	0.056	0.019	6.55E-10	monocyte	PIK3CG
AASDH.4	4.41E-14	-0.10569	0.074	0.172	6.59E-10	monocyte	AASDH
MIS12.5	4.49E-14	-0.11124	0.057	0.149	6.71E-10	monocyte	MIS12
SPC25.7	4.53E-14	-0.18705	0.005	0.067	6.77E-10	monocyte	SPC25
GTPBP4.1	4.54E-14	-0.12424	0.109	0.222	6.79E-10	monocyte	GTPBP4
CROT.5	4.55E-14	-0.17316	0.051	0.139	6.80E-10	monocyte	CROT
SPA17.6	4.66E-14	-0.18838	0.017	0.086	6.96E-10	monocyte	SPA17
NUP35.3	4.66E-14	-0.14378	0.037	0.119	6.97E-10	monocyte	NUP35
UBE2Q2.3	4.77E-14	-0.10386	0.104	0.214	7.13E-10	monocyte	UBE2Q2
NFAM1.6	4.78E-14	0.199519	0.076	0.03	7.14E-10	monocyte	NFAM1
AADAT.5	4.79E-14	-0.12824	0	0.056	7.15E-10	monocyte	AADAT
SRPX2.6	4.80E-14	-0.21357	0.003	0.063	7.17E-10	monocyte	SRPX2
RNF13.6	4.85E-14	0.433294	0.514	0.478	7.25E-10	monocyte	RNF13
EIF4G1.3	4.87E-14	-0.11484	0.16	0.288	7.28E-10	monocyte	EIF4G1

ZNF568.6	5.01E-14	-0.12304	0.027	0.104	7.49E-10	monocyte	ZNF568
PWAR6.5	5.02E-14	-0.14394	0.011	0.078	7.50E-10	monocyte	PWAR6
NUP160.5	5.04E-14	-0.13918	0.072	0.17	7.53E-10	monocyte	NUP160
NDUF4F4.5	5.11E-14	-0.12565	0.116	0.231	7.64E-10	monocyte	NDUF4F4
ZNF639.7	5.16E-14	-0.16276	0.054	0.144	7.71E-10	monocyte	ZNF639
HES1.5	5.38E-14	-0.19041	0.099	0.205	8.05E-10	monocyte	HES1
GDPD1.6	5.41E-14	-0.14038	0.008	0.072	8.09E-10	monocyte	GDPD1
MBIP.6	5.59E-14	-0.17621	0.087	0.188	8.36E-10	monocyte	MBIP
IFT46.4	5.63E-14	-0.14815	0.035	0.116	8.42E-10	monocyte	IFT46
DNAJB5.3	5.67E-14	-0.15657	0.017	0.086	8.48E-10	monocyte	DNAJB5
FAF1.2	5.68E-14	-0.12501	0.074	0.173	8.49E-10	monocyte	FAF1
FXR1.1	5.78E-14	-0.12054	0.199	0.338	8.63E-10	monocyte	FXR1
AGBL5.2	5.79E-14	-0.13574	0.019	0.089	8.65E-10	monocyte	AGBL5
FBXL3.4	5.95E-14	-0.1551	0.082	0.184	8.89E-10	monocyte	FBXL3
MKS1.1	6.22E-14	-0.15985	0.023	0.096	9.29E-10	monocyte	MKS1
SAMD10.4	6.24E-14	-0.12536	0.003	0.062	9.32E-10	monocyte	SAMD10
RRM2.7	6.26E-14	-0.24584	0.006	0.068	9.36E-10	monocyte	RRM2
CCL4.7	6.39E-14	0.576064	0.416	0.316	9.55E-10	monocyte	CCL4
ZNF577.6	6.46E-14	-0.12872	0.024	0.098	9.65E-10	monocyte	ZNF577
RILP.8	6.57E-14	0.293549	0.169	0.097	9.82E-10	monocyte	RILP
SHROOM1.1	6.83E-14	-0.14919	0.006	0.068	1.02E-09	monocyte	SHROOM1
TACC2.5	6.83E-14	-0.1465	0.003	0.062	1.02E-09	monocyte	TACC2
KLF7.6	6.84E-14	-0.10897	0.104	0.215	1.02E-09	monocyte	KLF7
GSG1L.5	6.85E-14	-0.19296	0.004	0.064	1.02E-09	monocyte	GSG1L
MLH1.3	6.93E-14	-0.17571	0.066	0.16	1.04E-09	monocyte	MLH1
ANLN.7	7.00E-14	-0.26101	0.006	0.067	1.05E-09	monocyte	ANLN
CHMP6.3	7.02E-14	-0.13769	0.098	0.204	1.05E-09	monocyte	CHMP6
ITGB5.6	7.06E-14	0.254457	0.11	0.052	1.05E-09	monocyte	ITGB5
METTL6.1	7.16E-14	-0.17227	0.032	0.11	1.07E-09	monocyte	METTL6
CACNB3.5	7.17E-14	-0.14697	0.005	0.065	1.07E-09	monocyte	CACNB3
AMH.6	7.22E-14	-0.13251	0.003	0.062	1.08E-09	monocyte	AMH
RP11-1114	7.29E-14	-0.13942	0.019	0.09	1.09E-09	monocyte	RP11-1114A5.4
CREBL2.6	7.43E-14	0.439432	0.265	0.182	1.11E-09	monocyte	CREBL2
PTGDS.5	7.43E-14	-0.56989	0.084	0.178	1.11E-09	monocyte	PTGDS
CEP170.4	7.56E-14	-0.15653	0.151	0.271	1.13E-09	monocyte	CEP170
GFAP.5	7.56E-14	-0.20939	0.222	0.361	1.13E-09	monocyte	GFAP
MARC1.6	7.58E-14	-0.12256	0.004	0.064	1.13E-09	monocyte	1-Mar
BRAT1.3	7.60E-14	-0.1273	0.088	0.192	1.14E-09	monocyte	BRAT1
TSKU.5	7.62E-14	-0.13602	0.02	0.091	1.14E-09	monocyte	TSKU
DLX6.8	7.67E-14	-0.21908	0.003	0.062	1.15E-09	monocyte	DLX6
LILRA1.1	7.74E-14	0.165963	0.045	0.013	1.16E-09	monocyte	LILRA1
UBA5.3	7.91E-14	-0.13629	0.091	0.193	1.18E-09	monocyte	UBA5
PHTF1.3	7.93E-14	-0.11436	0.043	0.128	1.18E-09	monocyte	PHTF1
NCDN.4	8.54E-14	-0.11458	0.023	0.096	1.28E-09	monocyte	NCDN
JOSD2.6	8.69E-14	-0.14907	0.21	0.346	1.30E-09	monocyte	JOSD2
ANKLE2.2	8.75E-14	-0.12003	0.086	0.188	1.31E-09	monocyte	ANKLE2
LARP1.3	8.81E-14	-0.14096	0.144	0.262	1.32E-09	monocyte	LARP1
KLF4.8	8.81E-14	-0.23568	0.112	0.215	1.32E-09	monocyte	KLF4
ANKZF1.5	8.82E-14	-0.19145	0.053	0.141	1.32E-09	monocyte	ANKZF1
KIF22.4	8.85E-14	-0.12841	0.099	0.205	1.32E-09	monocyte	KIF22
CHMP1A.4	8.93E-14	-0.13281	0.158	0.284	1.33E-09	monocyte	CHMP1A

NFS1. 3	8. 97E-14	-0. 12388	0. 052	0. 141	1. 34E-09	monocyte	NFS1
HEBP2. 4	8. 98E-14	-0. 13162	0. 118	0. 228	1. 34E-09	monocyte	HEBP2
MPG. 2	9. 02E-14	-0. 11086	0. 217	0. 356	1. 35E-09	monocyte	MPG
LDOC1L. 6	9. 48E-14	-0. 11826	0. 021	0. 092	1. 42E-09	monocyte	LDOC1L
LTF. 5	9. 50E-14	-0. 61065	0. 068	0. 158	1. 42E-09	monocyte	LTF
AZGP1. 6	9. 54E-14	-0. 26287	0. 003	0. 061	1. 43E-09	monocyte	AZGP1
FUT8. 4	9. 77E-14	-0. 1868	0. 047	0. 131	1. 46E-09	monocyte	FUT8
RAB9B. 5	9. 77E-14	-0. 16375	0. 001	0. 057	1. 46E-09	monocyte	RAB9B
UCK1. 3	1. 00E-13	-0. 11925	0. 089	0. 193	1. 50E-09	monocyte	UCK1
COG6. 2	1. 01E-13	-0. 12135	0. 026	0. 101	1. 50E-09	monocyte	COG6
FOPNL. 3	1. 01E-13	-0. 12647	0. 097	0. 202	1. 51E-09	monocyte	FOPNL
RBM15B. 6	1. 01E-13	-0. 13553	0. 08	0. 179	1. 51E-09	monocyte	RBM15B
FGF9. 7	1. 01E-13	-0. 19738	0	0. 055	1. 52E-09	monocyte	FGF9
GMPS. 3	1. 02E-13	-0. 11242	0. 091	0. 193	1. 52E-09	monocyte	GMPS
MIR4458HG	1. 03E-13	-0. 25126	0. 075	0. 168	1. 54E-09	monocyte	MIR4458HG
RAB13. 7	1. 03E-13	-0. 25669	0. 248	0. 382	1. 54E-09	monocyte	RAB13
CSRNP2. 3	1. 07E-13	-0. 11877	0. 021	0. 092	1. 60E-09	monocyte	CSRNP2
AAR2. 3	1. 07E-13	-0. 12472	0. 054	0. 144	1. 60E-09	monocyte	AAR2
ZNF181. 5	1. 09E-13	-0. 17848	0. 028	0. 103	1. 62E-09	monocyte	ZNF181
ABCA3. 5	1. 11E-13	-0. 12814	0. 015	0. 082	1. 65E-09	monocyte	ABCA3
EGR2. 5	1. 11E-13	-0. 11597	0. 097	0. 2	1. 66E-09	monocyte	EGR2
TOP2A. 8	1. 12E-13	-0. 31286	0. 022	0. 092	1. 68E-09	monocyte	TOP2A
FKBP1B. 3	1. 13E-13	-0. 15365	0. 046	0. 129	1. 69E-09	monocyte	FKBP1B
NUP54. 4	1. 13E-13	-0. 13407	0. 085	0. 186	1. 69E-09	monocyte	NUP54
PURA. 6	1. 15E-13	-0. 13189	0. 109	0. 217	1. 72E-09	monocyte	PURA
IPP. 5	1. 15E-13	-0. 12107	0. 005	0. 065	1. 72E-09	monocyte	IPP
ZNF420. 6	1. 17E-13	-0. 1652	0. 034	0. 113	1. 75E-09	monocyte	ZNF420
SERP1. 6	1. 18E-13	0. 307421	0. 593	0. 605	1. 76E-09	monocyte	SERP1
TANC2. 4	1. 18E-13	-0. 1169	0. 092	0. 197	1. 77E-09	monocyte	TANC2
CDC20. 6	1. 20E-13	-0. 25092	0. 01	0. 073	1. 79E-09	monocyte	CDC20
FAM219A. 4	1. 20E-13	-0. 11609	0. 024	0. 097	1. 79E-09	monocyte	FAM219A
IL2RA. 6	1. 21E-13	0. 451156	0. 072	0. 028	1. 81E-09	monocyte	IL2RA
ZNF227. 3	1. 22E-13	-0. 15141	0. 029	0. 105	1. 82E-09	monocyte	ZNF227
MAP3K7. 4	1. 22E-13	-0. 11509	0. 105	0. 214	1. 83E-09	monocyte	MAP3K7
SHMT2. 5	1. 23E-13	-0. 17534	0. 126	0. 24	1. 84E-09	monocyte	SHMT2
SLC16A4. 2	1. 23E-13	-0. 12158	0. 006	0. 067	1. 84E-09	monocyte	SLC16A4
UBQLN1. 4	1. 23E-13	-0. 15039	0. 167	0. 292	1. 84E-09	monocyte	UBQLN1
NFAT5. 2	1. 24E-13	-0. 10028	0. 054	0. 143	1. 85E-09	monocyte	NFAT5
TMEM259. 3	1. 26E-13	-0. 11789	0. 206	0. 347	1. 88E-09	monocyte	TMEM259
CLIC2. 5	1. 26E-13	0. 245358	0. 091	0. 04	1. 89E-09	monocyte	CLIC2
KAT5. 3	1. 27E-13	-0. 10965	0. 141	0. 261	1. 89E-09	monocyte	KAT5
TRPC4AP. 5	1. 29E-13	-0. 11908	0. 139	0. 26	1. 93E-09	monocyte	TRPC4AP
RAD54L2. 5	1. 29E-13	-0. 13041	0. 034	0. 113	1. 93E-09	monocyte	RAD54L2
DNAJC6. 4	1. 32E-13	-0. 15808	0. 001	0. 057	1. 97E-09	monocyte	DNAJC6
PRKAA2. 7	1. 32E-13	-0. 12785	0. 001	0. 056	1. 97E-09	monocyte	PRKAA2
HDLBP. 4	1. 33E-13	-0. 12058	0. 208	0. 347	1. 98E-09	monocyte	HDLBP
KCND3. 6	1. 34E-13	-0. 12746	0. 004	0. 063	2. 00E-09	monocyte	KCND3
DPF2. 4	1. 34E-13	-0. 13342	0. 119	0. 233	2. 00E-09	monocyte	DPF2
ERC1. 2	1. 35E-13	-0. 125	0. 045	0. 128	2. 02E-09	monocyte	ERC1
ASIC1. 6	1. 36E-13	-0. 16744	0. 001	0. 056	2. 03E-09	monocyte	ASIC1
ATRN. 3	1. 37E-13	-0. 11309	0. 046	0. 131	2. 04E-09	monocyte	ATRN



CLK4.4	1.38E-13	-0.15184	0.074	0.17	2.06E-09	monocyte	CLK4
SCAMP1.6	1.40E-13	-0.14832	0.114	0.223	2.09E-09	monocyte	SCAMP1
ASB8.5	1.40E-13	-0.15713	0.117	0.226	2.09E-09	monocyte	ASB8
FTSJ1.1	1.41E-13	-0.13224	0.055	0.144	2.10E-09	monocyte	FTSJ1
ZNF708.5	1.42E-13	-0.1205	0.028	0.104	2.12E-09	monocyte	ZNF708
WDR92.4	1.44E-13	-0.14858	0.017	0.085	2.15E-09	monocyte	WDR92
LRCH3.5	1.44E-13	-0.13634	0.056	0.145	2.15E-09	monocyte	LRCH3
GTSE1.6	1.46E-13	-0.19138	0.004	0.062	2.18E-09	monocyte	GTSE1
ZC3H14.5	1.46E-13	-0.12248	0.103	0.212	2.18E-09	monocyte	ZC3H14
SEMA3E.4	1.51E-13	-0.12791	0.001	0.056	2.26E-09	monocyte	SEMA3E
PLCE1.5	1.53E-13	-0.12304	0.008	0.07	2.28E-09	monocyte	PLCE1
SERPINB9.1	1.53E-13	0.322426	0.228	0.139	2.29E-09	monocyte	SERPINB9
SLC35E3.7	1.54E-13	-0.22284	0.096	0.195	2.30E-09	monocyte	SLC35E3
PPP1R37.5	1.57E-13	-0.16945	0.054	0.141	2.34E-09	monocyte	PPP1R37
KCNJ10.6	1.57E-13	-0.19989	0.001	0.056	2.35E-09	monocyte	KCNJ10
SEMA3A.2	1.59E-13	-0.10015	0	0.054	2.38E-09	monocyte	SEMA3A
FOXO1.4	1.59E-13	-0.1566	0.014	0.079	2.38E-09	monocyte	FOXO1
DACT3.6	1.60E-13	-0.16051	0.016	0.082	2.39E-09	monocyte	DACT3
PFDN5.6	1.65E-13	0.253085	0.841	0.888	2.46E-09	monocyte	PFDN5
PTPN18.8	1.65E-13	0.400934	0.285	0.204	2.47E-09	monocyte	PTPN18
REV1.5	1.67E-13	-0.13738	0.078	0.175	2.49E-09	monocyte	REV1
RP11-379H	1.67E-13	-0.13862	0.013	0.077	2.49E-09	monocyte	RP11-379H18.1
TUBE1.3	1.67E-13	-0.15266	0.026	0.1	2.50E-09	monocyte	TUBE1
RNF40.2	1.69E-13	-0.12296	0.084	0.184	2.53E-09	monocyte	RNF40
RMND5B.4	1.71E-13	-0.14932	0.076	0.172	2.55E-09	monocyte	RMND5B
DDHD2.5	1.71E-13	-0.15577	0.034	0.112	2.55E-09	monocyte	DDHD2
CLIP1.1	1.73E-13	-0.16494	0.115	0.223	2.58E-09	monocyte	CLIP1
GOLT1B.5	1.73E-13	-0.10407	0.132	0.247	2.58E-09	monocyte	GOLT1B
SLC9A3R1.1	1.74E-13	-0.19763	0.067	0.157	2.59E-09	monocyte	SLC9A3R1
POM121C.5	1.75E-13	-0.10796	0.058	0.148	2.61E-09	monocyte	POM121C
TMEM52B.8	1.76E-13	0.286004	0.095	0.043	2.63E-09	monocyte	TMEM52B
HECTD4.4	1.76E-13	-0.15192	0.024	0.096	2.63E-09	monocyte	HECTD4
PIP4K2B.3	1.76E-13	-0.10477	0.032	0.109	2.63E-09	monocyte	PIP4K2B
ADAM22.7	1.78E-13	-0.16137	0.007	0.068	2.66E-09	monocyte	ADAM22
FHOD1.8	1.78E-13	0.238501	0.108	0.052	2.66E-09	monocyte	FHOD1
DNASE1.5	1.78E-13	-0.173	0.019	0.087	2.67E-09	monocyte	DNASE1
UROD.4	1.79E-13	-0.10917	0.225	0.371	2.67E-09	monocyte	UROD
CASP2.3	1.79E-13	-0.13677	0.03	0.106	2.67E-09	monocyte	CASP2
MCAT.6	1.79E-13	-0.14554	0.05	0.136	2.67E-09	monocyte	MCAT
MANSC1.4	1.80E-13	-0.13406	0.004	0.062	2.69E-09	monocyte	MANSC1
TP53BP1.4	1.81E-13	-0.12239	0.028	0.103	2.71E-09	monocyte	TP53BP1
GPX8.7	1.84E-13	-0.13708	0.007	0.068	2.75E-09	monocyte	GPX8
C1orf216.1	1.85E-13	-0.12061	0.05	0.135	2.76E-09	monocyte	C1orf216
NACC2.5	1.87E-13	-0.14167	0.032	0.109	2.79E-09	monocyte	NACC2
ITM2A.7	1.93E-13	-0.26848	0.003	0.06	2.88E-09	monocyte	ITM2A
MCHR1.5	1.97E-13	-0.12242	0.005	0.063	2.95E-09	monocyte	MCHR1
FAM222B.6	1.98E-13	-0.13135	0.04	0.12	2.96E-09	monocyte	FAM222B
ACBD3.3	2.03E-13	-0.17135	0.085	0.182	3.04E-09	monocyte	ACBD3
DLG4.3	2.03E-13	-0.14204	0.014	0.079	3.04E-09	monocyte	DLG4
CCNB1.6	2.05E-13	-0.2388	0.025	0.096	3.06E-09	monocyte	CCNB1
YY1.6	2.06E-13	-0.11592	0.213	0.351	3.08E-09	monocyte	YY1

PTPRK. 5	2.09E-13	-0.22485	0.004	0.061	3.12E-09	monocyte	PTPRK
ZC3H6. 6	2.10E-13	-0.10463	0.063	0.154	3.14E-09	monocyte	ZC3H6
ZNF253. 6	2.10E-13	-0.13099	0.02	0.089	3.14E-09	monocyte	ZNF253
PDGFB. 5	2.12E-13	0.192242	0.094	0.041	3.16E-09	monocyte	PDGFB
RP1-79C4. 2	2.12E-13	-0.11316	0.001	0.056	3.17E-09	monocyte	RP1-79C4. 4
CA8. 7	2.14E-13	-0.21889	0.003	0.06	3.20E-09	monocyte	CA8
MED16. 4	2.18E-13	-0.12096	0.072	0.167	3.26E-09	monocyte	MED16
ELMO2. 5	2.18E-13	-0.10117	0.049	0.135	3.26E-09	monocyte	ELMO2
STK32A. 5	2.20E-13	-0.10736	0.003	0.06	3.28E-09	monocyte	STK32A
TPD52. 6	2.26E-13	-0.22804	0.134	0.245	3.38E-09	monocyte	TPD52
FH. 4	2.27E-13	-0.12955	0.121	0.235	3.39E-09	monocyte	FH
ID3. 7	2.27E-13	-0.27348	0.165	0.273	3.39E-09	monocyte	ID3
MOXD1. 6	2.27E-13	-0.13677	0.002	0.058	3.40E-09	monocyte	MOXD1
TMEM160. 7	2.32E-13	-0.1281	0.323	0.478	3.46E-09	monocyte	TMEM160
MIF. 5	2.32E-13	-0.16281	0.518	0.684	3.47E-09	monocyte	MIF
XKR4. 6	2.34E-13	-0.16306	0.004	0.061	3.50E-09	monocyte	XKR4
SCAF1. 5	2.34E-13	-0.11316	0.068	0.161	3.50E-09	monocyte	SCAF1
CCAR2. 3	2.36E-13	-0.1207	0.063	0.154	3.53E-09	monocyte	CCAR2
SENP5. 4	2.37E-13	-0.13291	0.057	0.145	3.54E-09	monocyte	SENP5
FAM184A. 4	2.37E-13	-0.12237	0.001	0.055	3.54E-09	monocyte	FAM184A
GTF2H3. 3	2.38E-13	-0.1293	0.058	0.149	3.55E-09	monocyte	GTF2H3
SMPD1. 5	2.39E-13	-0.14157	0.133	0.246	3.58E-09	monocyte	SMPD1
SHROOM2. 7	2.40E-13	-0.12485	0.005	0.064	3.58E-09	monocyte	SHROOM2
MSL1. 3	2.41E-13	-0.12277	0.072	0.166	3.61E-09	monocyte	MSL1
NEDD4L. 6	2.49E-13	-0.14498	0.041	0.119	3.72E-09	monocyte	NEDD4L
PDK2. 3	2.49E-13	-0.16652	0.077	0.172	3.72E-09	monocyte	PDK2
TMEM184B. 2	2.51E-13	-0.15449	0.057	0.145	3.76E-09	monocyte	TMEM184B
EIF2S2. 5	2.54E-13	-0.10179	0.435	0.601	3.80E-09	monocyte	EIF2S2
SWAP70. 8	2.59E-13	0.429751	0.295	0.216	3.87E-09	monocyte	SWAP70
ATP1A2. 5	2.59E-13	-0.2943	0.007	0.067	3.87E-09	monocyte	ATP1A2
DDR2. 6	2.60E-13	-0.1444	0.004	0.061	3.88E-09	monocyte	DDR2
RDH10. 7	2.60E-13	-0.15036	0.022	0.091	3.89E-09	monocyte	RDH10
IGFBP6. 5	2.65E-13	-0.22641	0.009	0.071	3.97E-09	monocyte	IGFBP6
SMAD5. 5	2.68E-13	-0.12944	0.08	0.179	4.00E-09	monocyte	SMAD5
TBC1D2B. 6	2.70E-13	0.233732	0.101	0.047	4.04E-09	monocyte	TBC1D2B
ZNF334. 5	2.71E-13	-0.14086	0.014	0.078	4.04E-09	monocyte	ZNF334
LRRK1. 2	2.72E-13	0.178899	0.044	0.013	4.06E-09	monocyte	LRRK1
DUSP8. 6	2.74E-13	-0.159	0.001	0.055	4.10E-09	monocyte	DUSP8
RND1. 4	2.84E-13	-0.15891	0.008	0.069	4.24E-09	monocyte	RND1
FAT3. 5	2.85E-13	-0.1238	0.004	0.061	4.25E-09	monocyte	FAT3
BPNT1. 3	2.90E-13	-0.16821	0.035	0.113	4.33E-09	monocyte	BPNT1
KATNAL1. 3	2.91E-13	-0.10929	0.019	0.087	4.34E-09	monocyte	KATNAL1
DSCAM. 5	2.92E-13	-0.1763	0.015	0.08	4.37E-09	monocyte	DSCAM
DDX6. 3	3.00E-13	-0.10735	0.1	0.206	4.49E-09	monocyte	DDX6
ELK1. 2	3.01E-13	-0.13361	0.031	0.106	4.49E-09	monocyte	ELK1
AMN1. 3	3.13E-13	-0.12534	0.047	0.131	4.68E-09	monocyte	AMN1
RFXAP. 4	3.20E-13	-0.15074	0.028	0.101	4.78E-09	monocyte	RFXAP
TMEM178B. 3	2.26E-13	-0.13848	0.004	0.061	4.87E-09	monocyte	TMEM178B
TOX4	3.29E-13	-0.12097	0.152	0.272	4.92E-09	monocyte	TOX4
RAB21. 3	3.29E-13	-0.15142	0.108	0.212	4.92E-09	monocyte	RAB21
SYNE1. 4	3.29E-13	-0.16927	0.047	0.129	4.92E-09	monocyte	SYNE1

ZNF136.6	3.41E-13	-0.15303	0.029	0.103	5.09E-09	monocyte	ZNF136
ZNF48.6	3.41E-13	-0.11891	0.029	0.102	5.09E-09	monocyte	ZNF48
PBK.8	3.47E-13	-0.25888	0.015	0.079	5.19E-09	monocyte	PBK
CPNE1.1	3.57E-13	-0.10629	0.212	0.35	5.34E-09	monocyte	CPNE1
OARD1.4	3.58E-13	-0.13331	0.127	0.241	5.35E-09	monocyte	OARD1
MICALL2.3	3.59E-13	-0.11712	0.011	0.074	5.36E-09	monocyte	MICALL2
PAK1.7	3.59E-13	0.464505	0.246	0.163	5.37E-09	monocyte	PAK1
PRPF3.2	3.64E-13	-0.13936	0.041	0.121	5.43E-09	monocyte	PRPF3
NFU1.1	3.69E-13	-0.10694	0.182	0.311	5.51E-09	monocyte	NFU1
MPHOSPH9.3	3.71E-13	-0.13742	0.043	0.124	5.54E-09	monocyte	MPHOSPH9
FRS2.6	3.86E-13	-0.16618	0.04	0.118	5.77E-09	monocyte	FRS2
TMPO.7	3.86E-13	-0.16725	0.1	0.202	5.77E-09	monocyte	TMPO
MCCC2.3	3.89E-13	-0.1373	0.054	0.14	5.82E-09	monocyte	MCCC2
MVB12B.7	3.94E-13	-0.17973	0.031	0.106	5.89E-09	monocyte	MVB12B
PDCD2.6	3.98E-13	-0.10627	0.176	0.305	5.94E-09	monocyte	PDCD2
KIAA1958.4	4.06E-13	-0.11114	0.01	0.072	6.07E-09	monocyte	KIAA1958
DBF4.6	4.06E-13	-0.1964	0.047	0.128	6.07E-09	monocyte	DBF4
LRRN2.2	4.08E-13	-0.10126	0.004	0.061	6.10E-09	monocyte	LRRN2
XPO1.2	4.11E-13	-0.11383	0.148	0.268	6.14E-09	monocyte	XPO1
SPAST.6	4.12E-13	-0.14041	0.04	0.118	6.15E-09	monocyte	SPAST
SERTAD2.3	4.17E-13	-0.10545	0.045	0.127	6.23E-09	monocyte	SERTAD2
CLASRP.2	4.26E-13	-0.11765	0.066	0.156	6.36E-09	monocyte	CLASRP
PVRL1.7	4.26E-13	-0.17621	0.007	0.066	6.37E-09	monocyte	PVRL1
PUS3.5	4.34E-13	-0.13895	0.041	0.12	6.49E-09	monocyte	PUS3
MEX3B.6	4.37E-13	-0.17868	0.008	0.067	6.53E-09	monocyte	MEX3B
KRBOX4.3	4.39E-13	-0.11407	0.042	0.122	6.56E-09	monocyte	KRBOX4
SCAP.6	4.42E-13	-0.11192	0.071	0.165	6.60E-09	monocyte	SCAP
ZNF385A.8	4.44E-13	0.269668	0.211	0.13	6.63E-09	monocyte	ZNF385A
MKI67.7	4.52E-13	-0.22683	0.008	0.067	6.75E-09	monocyte	MKI67
SLC16A2.4	4.55E-13	-0.10864	0.003	0.058	6.81E-09	monocyte	SLC16A2
SGOL1.6	4.73E-13	-0.18632	0.005	0.062	7.07E-09	monocyte	SGOL1
ZFP1.4	4.76E-13	-0.13422	0.01	0.072	7.11E-09	monocyte	ZFP1
CSPP1.5	4.90E-13	-0.14147	0.035	0.112	7.32E-09	monocyte	CSPP1
TOR4A.6	4.93E-13	0.131073	0.061	0.022	7.37E-09	monocyte	TOR4A
SEMA6B.3	4.94E-13	0.131582	0.098	0.045	7.39E-09	monocyte	SEMA6B
LSG1.5	4.97E-13	-0.17114	0.051	0.135	7.42E-09	monocyte	LSG1
TRAPPC2L.5	5.05E-13	-0.12828	0.283	0.432	7.55E-09	monocyte	TRAPPC2L
TLK2.2	5.08E-13	-0.14905	0.048	0.13	7.59E-09	monocyte	TLK2
TCF7L2.3	5.08E-13	-0.14128	0.027	0.1	7.60E-09	monocyte	TCF7L2
MED6	5.09E-13	-0.12655	0.085	0.183	7.60E-09	monocyte	MED6
FAM3A.1	5.09E-13	-0.10707	0.119	0.23	7.61E-09	monocyte	FAM3A
NRAS.1	5.13E-13	-0.16118	0.094	0.193	7.67E-09	monocyte	NRAS
MLH3.4	5.13E-13	-0.15353	0.035	0.112	7.67E-09	monocyte	MLH3
EXOC1.4	5.15E-13	-0.14892	0.144	0.258	7.70E-09	monocyte	EXOC1
LSS.6	5.16E-13	-0.1881	0.031	0.104	7.70E-09	monocyte	LSS
FGFRL1.2	5.28E-13	-0.10438	0.004	0.06	7.89E-09	monocyte	FGFRL1
UBAP2L.1	5.31E-13	-0.15619	0.118	0.226	7.94E-09	monocyte	UBAP2L
NDRG2.5	5.32E-13	-0.2717	0.251	0.369	7.95E-09	monocyte	NDRG2
TMEM63B.3	5.34E-13	-0.10831	0.056	0.143	7.98E-09	monocyte	TMEM63B
N4BP2.4	5.34E-13	-0.1353	0.044	0.123	7.98E-09	monocyte	N4BP2
ARRB1.6	5.45E-13	0.245197	0.086	0.037	8.14E-09	monocyte	ARRB1

APMAP. 4	5. 45E-13	0. 447187	0. 528	0. 517	8. 14E-09	monocyte	APMAP
ATG4B. 2	5. 52E-13	-0. 10542	0. 162	0. 286	8. 26E-09	monocyte	ATG4B
IQCE. 5	5. 54E-13	-0. 1391	0. 045	0. 125	8. 28E-09	monocyte	IQCE
TSHZ2. 6	5. 57E-13	-0. 21848	0. 001	0. 054	8. 33E-09	monocyte	TSHZ2
ABHD14A. 4	5. 63E-13	-0. 10588	0. 12	0. 231	8. 42E-09	monocyte	ABHD14A
TMTC3. 2	5. 72E-13	-0. 1187	0. 025	0. 096	8. 54E-09	monocyte	TMTC3
LRRC8C. 7	5. 72E-13	0. 226606	0. 111	0. 054	8. 55E-09	monocyte	LRRC8C
DUS3L. 3	5. 84E-13	-0. 12859	0. 062	0. 15	8. 73E-09	monocyte	DUS3L
RHBDF1. 4	5. 93E-13	-0. 11072	0. 002	0. 056	8. 86E-09	monocyte	RHBDF1
PBRM1. 6	6. 04E-13	-0. 11828	0. 136	0. 249	9. 03E-09	monocyte	PBRM1
ABHD17A. 7	6. 14E-13	-0. 11827	0. 135	0. 244	9. 17E-09	monocyte	ABHD17A
CASP10. 4	6. 14E-13	0. 209064	0. 061	0. 022	9. 18E-09	monocyte	CASP10
ANKRD28. 4	6. 14E-13	-0. 22902	0. 043	0. 119	9. 18E-09	monocyte	ANKRD28
ZDHHC19. 1	6. 26E-13	0. 120938	0. 027	0. 006	9. 36E-09	monocyte	ZDHHC19
ARVCF. 6	6. 27E-13	-0. 12495	0. 004	0. 06	9. 38E-09	monocyte	ARVCF
IGFLR1. 5	6. 27E-13	0. 332892	0. 105	0. 05	9. 38E-09	monocyte	IGFLR1
EPB41L4A. 6	6. 28E-13	-0. 10119	0. 18	0. 303	9. 38E-09	monocyte	EPB41L4A-AS1
TMEM38B. 3	6. 32E-13	-0. 19384	0. 081	0. 174	9. 45E-09	monocyte	TMEM38B
PLOD3. 5	6. 34E-13	-0. 19721	0. 121	0. 226	9. 48E-09	monocyte	PLOD3
EBF4. 4	6. 41E-13	-0. 11316	0. 004	0. 06	9. 58E-09	monocyte	EBF4
NTRK3. 4	6. 46E-13	-0. 14582	0. 01	0. 071	9. 65E-09	monocyte	NTRK3
NUF2. 8	6. 53E-13	-0. 20749	0. 008	0. 067	9. 76E-09	monocyte	NUF2
GTPBP10. 2	6. 53E-13	-0. 18425	0. 029	0. 102	9. 76E-09	monocyte	GTPBP10
LRTOMT. 4	6. 60E-13	-0. 14818	0. 014	0. 076	9. 86E-09	monocyte	LRTOMT
DUSP2. 7	6. 62E-13	-0. 34645	0. 042	0. 116	9. 89E-09	monocyte	DUSP2
RBBP8. 3	6. 66E-13	-0. 13879	0. 021	0. 088	9. 95E-09	monocyte	RBBP8
ADPGK. 8	6. 71E-13	0. 401544	0. 332	0. 255	1. 00E-08	monocyte	ADPGK
TMEM8B. 4	6. 79E-13	-0. 10686	0. 008	0. 067	1. 02E-08	monocyte	TMEM8B
MAPK11. 4	6. 86E-13	-0. 10557	0. 004	0. 059	1. 02E-08	monocyte	MAPK11
TPGS1. 3	6. 87E-13	-0. 12308	0. 19	0. 321	1. 03E-08	monocyte	TPGS1
SLC39A3. 5	6. 97E-13	-0. 11231	0. 216	0. 349	1. 04E-08	monocyte	SLC39A3
TMBIM1. 5	7. 04E-13	0. 452382	0. 318	0. 238	1. 05E-08	monocyte	TMBIM1
ARMC8. 3	7. 06E-13	-0. 13695	0. 104	0. 209	1. 05E-08	monocyte	ARMC8
EFNA2. 6	7. 26E-13	-0. 12337	0. 002	0. 055	1. 08E-08	monocyte	EFNA2
GTPBP3. 4	7. 26E-13	-0. 14769	0. 041	0. 119	1. 09E-08	monocyte	GTPBP3
MFAP3L. 6	7. 27E-13	-0. 13344	0. 004	0. 059	1. 09E-08	monocyte	MFAP3L
CTA-445C9. 7	7. 30E-13	-0. 11558	0. 005	0. 061	1. 09E-08	monocyte	CTA-445C9. 14
RBAK-RBAK. 7	7. 52E-13	-0. 19806	0. 033	0. 107	1. 12E-08	monocyte	RBAK-RBAKDN
LRP4. 5	7. 58E-13	-0. 14815	0. 006	0. 063	1. 13E-08	monocyte	LRP4
TMEM17. 2	7. 65E-13	-0. 13021	0. 004	0. 059	1. 14E-08	monocyte	TMEM17
TMEM231. 5	7. 77E-13	-0. 13958	0. 008	0. 067	1. 16E-08	monocyte	TMEM231
ZFP37. 5	7. 97E-13	-0. 14421	0. 002	0. 055	1. 19E-08	monocyte	ZFP37
SMC2. 6	8. 04E-13	-0. 15594	0. 108	0. 208	1. 20E-08	monocyte	SMC2
IDS. 2	8. 20E-13	-0. 12797	0. 244	0. 38	1. 23E-08	monocyte	IDS
PGBD1. 4	8. 30E-13	-0. 12651	0. 014	0. 076	1. 24E-08	monocyte	PGBD1
EFCAB7. 4	8. 38E-13	-0. 13139	0. 013	0. 074	1. 25E-08	monocyte	EFCAB7
CAB39L. 6	8. 44E-13	-0. 15797	0. 016	0. 079	1. 26E-08	monocyte	CAB39L
CLOCK. 6	8. 46E-13	-0. 14347	0. 052	0. 135	1. 26E-08	monocyte	CLOCK
GRSF1. 4	8. 56E-13	-0. 12085	0. 2	0. 333	1. 28E-08	monocyte	GRSF1
KCTD5. 3	8. 74E-13	-0. 10616	0. 111	0. 216	1. 31E-08	monocyte	KCTD5
ATF2. 2	8. 76E-13	-0. 14703	0. 076	0. 167	1. 31E-08	monocyte	ATF2

CHI3L1.7	8.85E-13	-0.30554	0.385	0.537	1.32E-08	monocyte	CHI3L1
RNF182.6	9.05E-13	-0.13136	0.001	0.053	1.35E-08	monocyte	RNF182
RLF.2	9.18E-13	-0.13086	0.035	0.111	1.37E-08	monocyte	RLF
RALGAPA2.	9.21E-13	-0.12132	0.04	0.117	1.38E-08	monocyte	RALGAPA2
FTO.4	9.30E-13	-0.11461	0.055	0.141	1.39E-08	monocyte	FTO
CDK5.5	9.43E-13	-0.10105	0.135	0.247	1.41E-08	monocyte	CDK5
USP34.4	9.45E-13	-0.10967	0.112	0.219	1.41E-08	monocyte	USP34
CALCOCO1.	9.46E-13	-0.12811	0.066	0.155	1.41E-08	monocyte	CALCOCO1
AP3M2.5	9.53E-13	-0.14033	0.027	0.097	1.42E-08	monocyte	AP3M2
ACTR1B.2	9.66E-13	-0.11853	0.113	0.218	1.44E-08	monocyte	ACTR1B
SSFA2.6	9.78E-13	-0.10967	0.094	0.194	1.46E-08	monocyte	SSFA2
MED30.3	9.79E-13	-0.156	0.151	0.263	1.46E-08	monocyte	MED30
CSTB.6	9.80E-13	0.295776	0.656	0.693	1.46E-08	monocyte	CSTB
TMEM169.6	9.85E-13	-0.13745	0.006	0.063	1.47E-08	monocyte	TMEM169
CST3.5	9.96E-13	0.155603	0.789	0.786	1.49E-08	monocyte	CST3
SPINT1.7	1.03E-12	0.164307	0.073	0.03	1.54E-08	monocyte	SPINT1
DIAPH1.5	1.04E-12	-0.14419	0.059	0.146	1.56E-08	monocyte	DIAPH1
POLR3D.6	1.06E-12	-0.13311	0.05	0.132	1.58E-08	monocyte	POLR3D
ACY3.4	1.06E-12	0.270816	0.049	0.017	1.59E-08	monocyte	ACY3
CCDC74A.5	1.07E-12	-0.13648	0.001	0.053	1.60E-08	monocyte	CCDC74A
MFAP4.5	1.08E-12	-0.19548	0.004	0.058	1.61E-08	monocyte	MFAP4
B3GALT1.5	1.08E-12	-0.10259	0.002	0.055	1.61E-08	monocyte	B3GALT1
LUZP2.4	1.09E-12	-0.17713	0.001	0.053	1.63E-08	monocyte	LUZP2
COQ5.4	1.09E-12	-0.1285	0.101	0.204	1.63E-08	monocyte	COQ5
POM121.3	1.10E-12	-0.14657	0.073	0.164	1.64E-08	monocyte	POM121
JOSD1.8	1.10E-12	-0.14248	0.074	0.165	1.64E-08	monocyte	JOSD1
PSMC1.5	1.10E-12	-0.10544	0.256	0.396	1.65E-08	monocyte	PSMC1
ZNF446.3	1.11E-12	-0.13882	0.017	0.081	1.66E-08	monocyte	ZNF446
HECTD1.3	1.13E-12	-0.10658	0.126	0.237	1.68E-08	monocyte	HECTD1
UBN1.5	1.14E-12	-0.12247	0.08	0.174	1.70E-08	monocyte	UBN1
DNPEP.2	1.15E-12	-0.11354	0.138	0.251	1.73E-08	monocyte	DNPEP
HID1.5	1.16E-12	-0.1336	0.003	0.057	1.73E-08	monocyte	HID1
RAD50.4	1.16E-12	-0.10053	0.156	0.275	1.74E-08	monocyte	RAD50
PPOX.3	1.20E-12	-0.13086	0.039	0.115	1.79E-08	monocyte	PPOX
PRRC2C.5	1.20E-12	-0.10144	0.333	0.495	1.80E-08	monocyte	PRRC2C
CTB-113I2	1.22E-12	-0.11143	0.007	0.064	1.82E-08	monocyte	CTB-113I20.2
DOK2.7	1.24E-12	0.109662	0.108	0.051	1.85E-08	monocyte	DOK2
NMT2.6	1.24E-12	-0.13911	0.031	0.104	1.85E-08	monocyte	NMT2
ZNF121.2	1.29E-12	-0.13874	0.04	0.117	1.93E-08	monocyte	ZNF121
ADCK4.4	1.30E-12	-0.11943	0.051	0.133	1.95E-08	monocyte	ADCK4
FKBP11.3	1.32E-12	-0.1193	0.044	0.123	1.97E-08	monocyte	FKBP11
PGAM2.7	1.33E-12	-0.239	0.001	0.052	1.99E-08	monocyte	PGAM2
TARS.3	1.35E-12	-0.11246	0.126	0.235	2.02E-08	monocyte	TARS
SGIP1.5	1.37E-12	-0.18752	0.002	0.054	2.04E-08	monocyte	SGIP1
RNF26.4	1.38E-12	-0.1074	0.073	0.165	2.06E-08	monocyte	RNF26
OPHN1.6	1.38E-12	-0.18147	0.015	0.076	2.06E-08	monocyte	OPHN1
GPC4.2	1.38E-12	-0.1241	0.003	0.056	2.06E-08	monocyte	GPC4
NAPB.4	1.38E-12	-0.13743	0.019	0.084	2.07E-08	monocyte	NAPB
UBE2R2.5	1.39E-12	-0.13146	0.173	0.296	2.08E-08	monocyte	UBE2R2
APITD1.3	1.40E-12	-0.12051	0.021	0.087	2.09E-08	monocyte	APITD1
RWDD4.3	1.40E-12	-0.16041	0.129	0.236	2.09E-08	monocyte	RWDD4

GTPBP1.3	1.40E-12	-0.11928	0.033	0.107	2.10E-08	monocyte	GTPBP1
DDIT4.7	1.41E-12	0.397193	0.473	0.403	2.11E-08	monocyte	DDIT4
FAM210A.3	1.42E-12	-0.13527	0.062	0.148	2.12E-08	monocyte	FAM210A
ZNF532.5	1.48E-12	-0.12061	0.028	0.098	2.21E-08	monocyte	ZNF532
CCDC8.3	1.51E-12	-0.10706	0.001	0.052	2.25E-08	monocyte	CCDC8
CTC-459F4	1.51E-12	-0.14103	0.01	0.07	2.26E-08	monocyte	CTC-459F4.3
DVL3.4	1.52E-12	-0.10524	0.071	0.161	2.27E-08	monocyte	DVL3
LRRTM3.5	1.54E-12	-0.10388	0.003	0.056	2.29E-08	monocyte	LRRTM3
GTF3C1.2	1.54E-12	-0.11647	0.038	0.113	2.31E-08	monocyte	GTF3C1
EIF2B2.3	1.55E-12	-0.12486	0.086	0.181	2.31E-08	monocyte	EIF2B2
MED25.1	1.55E-12	-0.14345	0.049	0.13	2.32E-08	monocyte	MED25
LRFN4.3	1.56E-12	-0.10541	0.016	0.078	2.34E-08	monocyte	LRFN4
RYR1.2	1.61E-12	0.15689	0.043	0.013	2.40E-08	monocyte	RYR1
PPIL6.7	1.61E-12	-0.14608	0.001	0.052	2.41E-08	monocyte	PPIL6
SETD2.4	1.62E-12	-0.1161	0.064	0.151	2.42E-08	monocyte	SETD2
ARHGAP21.	1.64E-12	-0.10952	0.143	0.26	2.45E-08	monocyte	ARHGAP21
SEPHS1.4	1.65E-12	-0.10904	0.042	0.119	2.46E-08	monocyte	SEPHS1
CELF1.5	1.65E-12	-0.12194	0.192	0.318	2.46E-08	monocyte	CELF1
CPQ.6	1.67E-12	0.340778	0.254	0.171	2.50E-08	monocyte	CPQ
KIF5B.5	1.67E-12	-0.10063	0.359	0.525	2.50E-08	monocyte	KIF5B
GCFC2.2	1.68E-12	-0.10566	0.047	0.127	2.51E-08	monocyte	GCFC2
CARD8.7	1.70E-12	0.43787	0.216	0.143	2.54E-08	monocyte	CARD8
GJA1.5	1.70E-12	-0.27417	0.02	0.084	2.54E-08	monocyte	GJA1
ZNF232.6	1.72E-12	-0.11173	0.02	0.085	2.57E-08	monocyte	ZNF232
SPRY4.5	1.80E-12	-0.13197	0.013	0.072	2.69E-08	monocyte	SPRY4
CACNG4.5	1.84E-12	-0.12859	0.002	0.054	2.75E-08	monocyte	CACNG4
NCS1.4	1.85E-12	-0.12434	0.008	0.065	2.76E-08	monocyte	NCS1
ANKRD13B.	1.86E-12	-0.12437	0.002	0.054	2.77E-08	monocyte	ANKRD13B
TOM1L2.5	1.89E-12	-0.12005	0.047	0.126	2.83E-08	monocyte	TOM1L2
ZBTB16.4	1.91E-12	-0.11019	0.072	0.163	2.85E-08	monocyte	ZBTB16
TRIP10.2	1.99E-12	-0.15158	0.032	0.104	2.97E-08	monocyte	TRIP10
KLHL25.2	2.00E-12	-0.12173	0.004	0.057	2.99E-08	monocyte	KLHL25
DNAJC9.4	2.05E-12	-0.11873	0.078	0.169	3.06E-08	monocyte	DNAJC9
CDR2L.4	2.06E-12	-0.10133	0.01	0.069	3.08E-08	monocyte	CDR2L
JAK3.3	2.07E-12	0.170382	0.063	0.024	3.09E-08	monocyte	JAK3
ELAVL1.4	2.07E-12	-0.11796	0.219	0.355	3.10E-08	monocyte	ELAVL1
TCTN3.1	2.10E-12	-0.17215	0.065	0.151	3.14E-08	monocyte	TCTN3
C17orf89.	2.12E-12	-0.10634	0.289	0.433	3.16E-08	monocyte	C17orf89
ZKSCAN5.5	2.15E-12	-0.13018	0.011	0.07	3.21E-08	monocyte	ZKSCAN5
RGAG4.5	2.16E-12	-0.10783	0.009	0.067	3.23E-08	monocyte	RGAG4
PDPN.4	2.17E-12	-0.16269	0.315	0.461	3.24E-08	monocyte	PDPN
FGR.8	2.22E-12	0.206139	0.145	0.078	3.32E-08	monocyte	FGR
ABLIM1.6	2.25E-12	-0.13129	0.004	0.057	3.36E-08	monocyte	ABLIM1
AKAP8.2	2.29E-12	-0.16072	0.058	0.142	3.42E-08	monocyte	AKAP8
CCNB2.7	2.30E-12	-0.22171	0.01	0.068	3.44E-08	monocyte	CCNB2
FMNL3.6	2.32E-12	0.301663	0.133	0.072	3.47E-08	monocyte	FMNL3
MIR497HG.	2.35E-12	-0.16925	0.013	0.072	3.51E-08	monocyte	MIR497HG
GADD45G.7	2.36E-12	-0.20755	0.161	0.264	3.52E-08	monocyte	GADD45G
MEX3D.4	2.38E-12	-0.11378	0.009	0.067	3.56E-08	monocyte	MEX3D
ADO.5	2.41E-12	-0.10742	0.051	0.133	3.61E-08	monocyte	ADO
ATAD2.5	2.42E-12	-0.11651	0.018	0.081	3.62E-08	monocyte	ATAD2

SCRN3.4	2.44E-12	-0.12312	0.034	0.107	3.65E-08	monocyte	SCRN3
RP11-66B2	2.44E-12	0.162229	0.035	0.01	3.65E-08	monocyte	RP11-66B24.2
SETD4.4	2.49E-12	-0.11175	0.051	0.132	3.73E-08	monocyte	SETD4
DIS3.4	2.52E-12	-0.1242	0.069	0.157	3.77E-08	monocyte	DIS3
PRKD1.4	2.61E-12	-0.10379	0.003	0.055	3.90E-08	monocyte	PRKD1
SGPP1.5	2.62E-12	0.272731	0.135	0.074	3.92E-08	monocyte	SGPP1
HSPB6.6	2.63E-12	-0.13856	0.008	0.065	3.93E-08	monocyte	HSPB6
CLSTN3.5	2.65E-12	-0.11923	0.007	0.063	3.96E-08	monocyte	CLSTN3
NME5.5	2.69E-12	-0.11137	0.002	0.053	4.02E-08	monocyte	NME5
ZNF275.4	2.71E-12	-0.13787	0.006	0.061	4.05E-08	monocyte	ZNF275
STRIP1.5	2.74E-12	-0.13583	0.051	0.131	4.09E-08	monocyte	STRIP1
DZIP3.6	2.79E-12	-0.12331	0.055	0.137	4.16E-08	monocyte	DZIP3
HIST2H2BE	2.79E-12	-0.1211	0.067	0.154	4.17E-08	monocyte	HIST2H2BE
SRD5A1.3	2.81E-12	-0.10488	0.041	0.116	4.19E-08	monocyte	SRD5A1
TF.8	2.81E-12	-0.36418	0.017	0.078	4.20E-08	monocyte	TF
CUL3.5	2.84E-12	-0.12851	0.108	0.208	4.24E-08	monocyte	CUL3
RP3-47704	2.86E-12	0.228481	0.064	0.025	4.27E-08	monocyte	RP3-47704.14
SLPI.5	2.86E-12	-0.78318	0.075	0.156	4.27E-08	monocyte	SLPI
MR1.6	2.89E-12	0.300137	0.148	0.083	4.31E-08	monocyte	MR1
STK32B.2	2.90E-12	-0.11186	0.009	0.066	4.33E-08	monocyte	STK32B
TMTC2.3	2.91E-12	-0.167	0.003	0.055	4.35E-08	monocyte	TMTC2
IFT88.5	2.92E-12	-0.14492	0.04	0.114	4.36E-08	monocyte	IFT88
KIAA0232.	2.92E-12	-0.10227	0.071	0.159	4.37E-08	monocyte	KIAA0232
ZNF587.2	2.93E-12	-0.12071	0.023	0.089	4.38E-08	monocyte	ZNF587
AC113189.	2.93E-12	-0.10769	0.011	0.07	4.38E-08	monocyte	AC113189.5
SORBS2.6	2.94E-12	-0.17844	0.003	0.055	4.39E-08	monocyte	SORBS2
SLC44A2.6	2.94E-12	-0.1038	0.106	0.211	4.40E-08	monocyte	SLC44A2
NACC1.3	2.95E-12	-0.13737	0.07	0.158	4.41E-08	monocyte	NACC1
DHRS11.6	2.95E-12	-0.10652	0.035	0.108	4.41E-08	monocyte	DHRS11
ZNF558.4	2.95E-12	-0.12033	0.019	0.082	4.41E-08	monocyte	ZNF558
NAPEPLD.4	3.04E-12	-0.13779	0.033	0.105	4.54E-08	monocyte	NAPEPLD
YME1L1.6	3.06E-12	-0.14268	0.156	0.27	4.58E-08	monocyte	YME1L1
SEMA4B.1	3.07E-12	-0.11077	0.004	0.057	4.59E-08	monocyte	SEMA4B
ACOX2.2	3.09E-12	-0.10533	0.004	0.057	4.62E-08	monocyte	ACOX2
LTBP1.5	3.11E-12	-0.11216	0.003	0.055	4.65E-08	monocyte	LTBP1
ST3GAL2.3	3.18E-12	-0.10392	0.033	0.105	4.75E-08	monocyte	ST3GAL2
MAP7D1.6	3.20E-12	-0.12224	0.222	0.357	4.77E-08	monocyte	MAP7D1
TMEM51.7	3.21E-12	0.298315	0.183	0.113	4.80E-08	monocyte	TMEM51
CENPM.7	3.22E-12	-0.13247	0.017	0.079	4.81E-08	monocyte	CENPM
GOLGA5.1	3.26E-12	-0.141	0.069	0.155	4.87E-08	monocyte	GOLGA5
RBMXL1.2	3.27E-12	-0.13269	0.072	0.16	4.89E-08	monocyte	RBMXL1
DHX58.2	3.28E-12	0.171391	0.082	0.037	4.90E-08	monocyte	DHX58
RP11-783K	3.28E-12	-0.16333	0.002	0.053	4.91E-08	monocyte	RP11-783K16.5
DUOX1.8	3.34E-12	-0.14822	0.01	0.068	4.99E-08	monocyte	DUOX1
PTCH1.2	3.35E-12	-0.12044	0.003	0.055	5.00E-08	monocyte	PTCH1
BTBD17.7	3.45E-12	-0.18488	0.004	0.056	5.16E-08	monocyte	BTBD17
EPC2.4	3.46E-12	-0.12082	0.03	0.101	5.17E-08	monocyte	EPC2
PIGL	3.49E-12	-0.10511	0.024	0.091	5.22E-08	monocyte	PIGL
SLC22A23.	3.49E-12	-0.11464	0.013	0.072	5.22E-08	monocyte	SLC22A23
PAK7.7	3.51E-12	-0.15652	0.001	0.05	5.25E-08	monocyte	PAK7
RITA1.4	3.57E-12	-0.13222	0.056	0.139	5.34E-08	monocyte	RITA1

TMF1. 3	3. 58E-12	-0. 12649	0. 122	0. 227	5. 35E-08	monocyte	TMF1
TEAD4. 5	3. 60E-12	-0. 10056	0. 004	0. 056	5. 37E-08	monocyte	TEAD4
ZCCHC7. 5	3. 87E-12	-0. 1093	0. 065	0. 15	5. 79E-08	monocyte	ZCCHC7
PLP1. 7	3. 88E-12	-0. 45735	0. 089	0. 178	5. 79E-08	monocyte	PLP1
ARPP21. 6	3. 89E-12	-0. 15645	0. 003	0. 054	5. 81E-08	monocyte	ARPP21
UBN2. 5	3. 99E-12	-0. 15022	0. 041	0. 115	5. 96E-08	monocyte	UBN2
NUDT10. 5	4. 01E-12	-0. 15346	0. 003	0. 054	5. 99E-08	monocyte	NUDT10
ZNF682. 5	4. 03E-12	-0. 14305	0. 019	0. 081	6. 02E-08	monocyte	ZNF682
ZNF211. 3	4. 05E-12	-0. 16034	0. 013	0. 071	6. 05E-08	monocyte	ZNF211
HSPH1. 4	4. 12E-12	-0. 11342	0. 234	0. 372	6. 16E-08	monocyte	HSPH1
ZNF789. 3	4. 13E-12	-0. 12045	0. 021	0. 085	6. 16E-08	monocyte	ZNF789
TMEM246. 6	4. 20E-12	-0. 16569	0. 002	0. 052	6. 28E-08	monocyte	TMEM246
LEMD1. 5	4. 23E-12	-0. 14693	0. 001	0. 05	6. 33E-08	monocyte	LEMD1
HOXC10. 6	4. 25E-12	-0. 16946	0. 005	0. 058	6. 35E-08	monocyte	HOXC10
BACE1. 5	4. 25E-12	-0. 14834	0. 047	0. 124	6. 35E-08	monocyte	BACE1
SH2B2. 6	4. 25E-12	-0. 13141	0. 041	0. 115	6. 35E-08	monocyte	SH2B2
SDC1. 4	4. 30E-12	-0. 10809	0. 002	0. 052	6. 42E-08	monocyte	SDC1
ARAP3. 5	4. 33E-12	-0. 10706	0. 011	0. 069	6. 47E-08	monocyte	ARAP3
FRMD3. 5	4. 34E-12	-0. 16674	0. 006	0. 06	6. 49E-08	monocyte	FRMD3
ACOT11	4. 34E-12	0. 146227	0. 072	0. 03	6. 49E-08	monocyte	ACOT11
BOLA1. 4	4. 37E-12	-0. 13255	0. 071	0. 158	6. 53E-08	monocyte	BOLA1
ACOT8. 2	4. 44E-12	-0. 10815	0. 113	0. 214	6. 63E-08	monocyte	ACOT8
CCDC93. 4	4. 44E-12	-0. 1185	0. 054	0. 134	6. 63E-08	monocyte	CCDC93
MON1A. 5	4. 49E-12	-0. 10711	0. 025	0. 091	6. 70E-08	monocyte	MON1A
HUWE1. 2	4. 49E-12	-0. 11071	0. 087	0. 18	6. 71E-08	monocyte	HUWE1
TRIB3. 5	4. 54E-12	-0. 18329	0. 018	0. 079	6. 78E-08	monocyte	TRIB3
ISG20. 4	4. 59E-12	-0. 27766	0. 051	0. 128	6. 86E-08	monocyte	ISG20
RAD17. 4	4. 63E-12	-0. 11929	0. 055	0. 136	6. 92E-08	monocyte	RAD17
LIPE. 3	4. 63E-12	-0. 14188	0. 009	0. 065	6. 92E-08	monocyte	LIPE
FBXL16. 4	4. 67E-12	-0. 11439	0	0. 048	6. 98E-08	monocyte	FBXL16
SART3. 4	4. 77E-12	-0. 12819	0. 052	0. 132	7. 12E-08	monocyte	SART3
TFPI. 3	4. 84E-12	-0. 16518	0. 005	0. 058	7. 23E-08	monocyte	TFPI
ALPK1. 3	4. 85E-12	0. 194886	0. 076	0. 033	7. 25E-08	monocyte	ALPK1
CCDC126. 4	4. 86E-12	-0. 14518	0. 046	0. 122	7. 27E-08	monocyte	CCDC126
FERMT1. 5	4. 87E-12	-0. 18665	0. 003	0. 054	7. 28E-08	monocyte	FERMT1
LYAR. 3	4. 89E-12	-0. 14513	0. 089	0. 182	7. 31E-08	monocyte	LYAR
LGALS1. 6	4. 90E-12	-0. 12842	0. 01	0. 067	7. 32E-08	monocyte	LGALS1
AK3. 1	4. 90E-12	-0. 12256	0. 138	0. 246	7. 33E-08	monocyte	AK3
ATG9A. 5	4. 97E-12	-0. 10495	0. 046	0. 123	7. 43E-08	monocyte	ATG9A
GRIA1. 2	5. 01E-12	-0. 1007	0. 002	0. 052	7. 49E-08	monocyte	GRIA1
PPP1R14C. 5	5. 06E-12	-0. 11619	0. 009	0. 065	7. 56E-08	monocyte	PPP1R14C
PUS7. 2	5. 08E-12	-0. 1072	0. 009	0. 066	7. 59E-08	monocyte	PUS7
ZNF286A. 5	5. 13E-12	-0. 13246	0. 008	0. 063	7. 67E-08	monocyte	ZNF286A
RP11-802E16. 3	5. 20E-12	0. 178608	0. 041	0. 013	7. 77E-08	monocyte	RP11-802E16. 3
CLHC1. 4	5. 21E-12	-0. 10995	0. 014	0. 073	7. 78E-08	monocyte	CLHC1
COG8. 5	5. 23E-12	-0. 12314	0. 029	0. 097	7. 81E-08	monocyte	COG8
PDE8B. 3	5. 26E-12	-0. 10806	0. 002	0. 052	7. 85E-08	monocyte	PDE8B
GSE1. 7	5. 32E-12	-0. 15048	0. 029	0. 097	7. 96E-08	monocyte	GSE1
IRGQ. 4	5. 41E-12	-0. 12054	0. 026	0. 092	8. 08E-08	monocyte	IRGQ
RP11-486G15. 2	5. 43E-12	-0. 13049	0. 001	0. 05	8. 11E-08	monocyte	RP11-486G15. 2
EEF1D. 7	5. 44E-12	0. 239485	0. 81	0. 848	8. 13E-08	monocyte	EEF1D



HEXB. 8	5. 52E-12	0. 336861	0. 444	0. 402	8. 25E-08	monocyte	HEXB
ATP5D. 7	5. 61E-12	-0. 10815	0. 479	0. 626	8. 38E-08	monocyte	ATP5D
PARP2. 5	5. 61E-12	-0. 17154	0. 043	0. 117	8. 39E-08	monocyte	PARP2
CLDN10. 6	5. 67E-12	-0. 19292	0. 006	0. 059	8. 48E-08	monocyte	CLDN10
KIAA0319L	5. 70E-12	-0. 14624	0. 096	0. 192	8. 52E-08	monocyte	KIAA0319L
CDT1. 5	5. 70E-12	-0. 13042	0. 009	0. 065	8. 52E-08	monocyte	CDT1
LRRC39	5. 73E-12	0. 239486	0. 025	0. 006	8. 56E-08	monocyte	LRRC39
CTDNEP1. 4	5. 76E-12	-0. 12721	0. 201	0. 323	8. 61E-08	monocyte	CTDNEP1
CEP97. 5	5. 96E-12	-0. 12379	0. 019	0. 081	8. 91E-08	monocyte	CEP97
TSC2. 4	6. 02E-12	-0. 12896	0. 059	0. 142	8. 99E-08	monocyte	TSC2
SLC41A3. 1	6. 02E-12	-0. 13888	0. 068	0. 153	9. 00E-08	monocyte	SLC41A3
SNN. 8	6. 15E-12	-0. 13998	0. 134	0. 234	9. 19E-08	monocyte	SNN
LSP1. 8	6. 15E-12	0. 32675	0. 247	0. 159	9. 19E-08	monocyte	LSP1
TBC1D22A.	6. 15E-12	0. 296321	0. 187	0. 117	9. 19E-08	monocyte	TBC1D22A
SPG20. 3	6. 16E-12	-0. 12498	0. 14	0. 246	9. 20E-08	monocyte	SPG20
MAPKAPK3.	6. 31E-12	0. 326925	0. 241	0. 164	9. 44E-08	monocyte	MAPKAPK3
NADK2. 3	6. 42E-12	-0. 11589	0. 034	0. 105	9. 60E-08	monocyte	NADK2
RGS11. 5	6. 47E-12	-0. 13322	0. 002	0. 051	9. 67E-08	monocyte	RGS11
RP11-192H	6. 50E-12	-0. 13093	0. 045	0. 12	9. 71E-08	monocyte	RP11-192H23. 6
RAI1. 3	6. 50E-12	-0. 13278	0. 014	0. 072	9. 71E-08	monocyte	RAI1
CDK20. 5	6. 51E-12	-0. 12422	0. 008	0. 063	9. 73E-08	monocyte	CDK20
CDCA5. 6	6. 52E-12	-0. 13652	0. 001	0. 049	9. 74E-08	monocyte	CDCA5
FAM19A5. 5	6. 54E-12	-0. 12984	0. 002	0. 051	9. 77E-08	monocyte	FAM19A5
MCM4. 6	6. 56E-12	-0. 11989	0. 032	0. 101	9. 80E-08	monocyte	MCM4
ACSL5. 7	6. 83E-12	0. 199538	0. 073	0. 031	1. 02E-07	monocyte	ACSL5
ZNF454. 6	6. 84E-12	-0. 11773	0. 002	0. 051	1. 02E-07	monocyte	ZNF454
PSMG1. 1	6. 87E-12	-0. 13778	0. 122	0. 224	1. 03E-07	monocyte	PSMG1
SNAI3. 2	6. 91E-12	0. 144218	0. 042	0. 013	1. 03E-07	monocyte	SNAI3
RINT1. 5	6. 92E-12	-0. 10856	0. 031	0. 101	1. 03E-07	monocyte	RINT1
CPNE5. 4	6. 96E-12	-0. 10667	0. 004	0. 055	1. 04E-07	monocyte	CPNE5
ZNF7. 4	6. 97E-12	-0. 10123	0. 079	0. 168	1. 04E-07	monocyte	ZNF7
TOP1MT. 3	6. 99E-12	-0. 1233	0. 018	0. 078	1. 04E-07	monocyte	TOP1MT
ADAM23. 4	7. 36E-12	-0. 10261	0. 003	0. 053	1. 10E-07	monocyte	ADAM23
CHRNA9. 5	7. 37E-12	-0. 13166	0. 003	0. 053	1. 10E-07	monocyte	CHRNA9
E2F1. 5	7. 42E-12	-0. 10824	0. 006	0. 059	1. 11E-07	monocyte	E2F1
TRO. 4	7. 46E-12	-0. 13857	0. 01	0. 066	1. 12E-07	monocyte	TRO
MKL2. 4	7. 47E-12	-0. 12558	0. 02	0. 082	1. 12E-07	monocyte	MKL2
CAPN7. 2	7. 49E-12	-0. 12819	0. 045	0. 12	1. 12E-07	monocyte	CAPN7
PDZD4. 6	7. 50E-12	-0. 12957	0. 002	0. 051	1. 12E-07	monocyte	PDZD4
SEC11A. 7	7. 51E-12	0. 35938	0. 595	0. 591	1. 12E-07	monocyte	SEC11A
PIGH. 3	8. 06E-12	-0. 11698	0. 115	0. 216	1. 20E-07	monocyte	PIGH
MANBA. 8	8. 14E-12	0. 325664	0. 186	0. 115	1. 22E-07	monocyte	MANBA
B4GALNT4.	8. 17E-12	-0. 11763	0. 001	0. 049	1. 22E-07	monocyte	B4GALNT4
KATNA1. 2	8. 45E-12	-0. 10499	0. 063	0. 145	1. 26E-07	monocyte	KATNA1
NUSAP1. 7	8. 66E-12	-0. 22056	0. 04	0. 11	1. 29E-07	monocyte	NUSAP1
MORN4. 4	8. 80E-12	-0. 11143	0. 004	0. 055	1. 31E-07	monocyte	MORN4
PDGFA. 5	8. 99E-12	-0. 10479	0. 033	0. 103	1. 34E-07	monocyte	PDGFA
OMG. 6	9. 02E-12	-0. 19592	0. 022	0. 085	1. 35E-07	monocyte	OMG
DSCC1. 4	9. 13E-12	-0. 12015	0. 009	0. 064	1. 36E-07	monocyte	DSCC1
ABCB4. 1	9. 18E-12	0. 123637	0. 031	0. 008	1. 37E-07	monocyte	ABCB4
COG1. 5	9. 22E-12	-0. 11501	0. 042	0. 116	1. 38E-07	monocyte	COG1

TBCE. 2	9. 34E-12	-0. 15976	0. 041	0. 113	1. 40E-07	monocyte	TBCE
NDFIP1. 8	9. 41E-12	-0. 10884	0. 448	0. 615	1. 41E-07	monocyte	NDFIP1
MAST2. 3	9. 43E-12	-0. 13613	0. 016	0. 074	1. 41E-07	monocyte	MAST2
GKAP1. 7	9. 45E-12	-0. 10476	0. 028	0. 095	1. 41E-07	monocyte	GKAP1
C5orf42. 6	9. 49E-12	-0. 1143	0. 031	0. 1	1. 42E-07	monocyte	C5orf42
HAS2. 5	9. 51E-12	-0. 10516	0. 005	0. 057	1. 42E-07	monocyte	HAS2
ARHGAP23. 9	9. 56E-12	-0. 11636	0. 005	0. 056	1. 43E-07	monocyte	ARHGAP23
AR. 4	9. 61E-12	-0. 10838	0. 002	0. 051	1. 44E-07	monocyte	AR
PPP4R1. 2	9. 68E-12	-0. 11282	0. 044	0. 118	1. 45E-07	monocyte	PPP4R1
NELFB. 4	9. 69E-12	-0. 11606	0. 07	0. 156	1. 45E-07	monocyte	NELFB
ST8SIA5. 5	9. 80E-12	-0. 1347	0	0. 046	1. 46E-07	monocyte	ST8SIA5
CSNK2A2	9. 96E-12	-0. 13795	0. 046	0. 121	1. 49E-07	monocyte	CSNK2A2
KPNA5. 4	1. 00E-11	-0. 12339	0. 03	0. 098	1. 50E-07	monocyte	KPNA5
FOXM1. 6	1. 02E-11	-0. 15494	0. 005	0. 056	1. 53E-07	monocyte	FOXM1
PARP6. 4	1. 03E-11	-0. 11418	0. 038	0. 109	1. 53E-07	monocyte	PARP6
FAXDC2. 5	1. 03E-11	-0. 1589	0. 008	0. 062	1. 54E-07	monocyte	FAXDC2
MARK4. 4	1. 04E-11	-0. 12478	0. 018	0. 077	1. 55E-07	monocyte	MARK4
NOM1. 5	1. 04E-11	-0. 13336	0. 047	0. 122	1. 56E-07	monocyte	NOM1
WNT5A. 8	1. 05E-11	0. 260007	0. 106	0. 054	1. 57E-07	monocyte	WNT5A
BCL11A. 5	1. 07E-11	-0. 14418	0. 003	0. 052	1. 60E-07	monocyte	BCL11A
C8orf82. 6	1. 07E-11	-0. 10224	0. 088	0. 178	1. 60E-07	monocyte	C8orf82
ZNF620. 5	1. 07E-11	-0. 12273	0. 009	0. 064	1. 61E-07	monocyte	ZNF620
GPD1. 7	1. 08E-11	-0. 22087	0. 003	0. 052	1. 61E-07	monocyte	GPD1
METTL16. 4	1. 10E-11	-0. 10445	0. 042	0. 115	1. 64E-07	monocyte	METTL16
FOSL1. 3	1. 12E-11	-0. 10863	0. 002	0. 05	1. 68E-07	monocyte	FOSL1
PSMD5. 1	1. 12E-11	-0. 11558	0. 044	0. 118	1. 68E-07	monocyte	PSMD5
ZBTB17. 3	1. 13E-11	-0. 1208	0. 044	0. 117	1. 69E-07	monocyte	ZBTB17
CEP41. 3	1. 14E-11	-0. 10542	0. 071	0. 158	1. 71E-07	monocyte	CEP41
SLC35A1. 2	1. 15E-11	-0. 10757	0. 061	0. 143	1. 71E-07	monocyte	SLC35A1
ZNF408. 5	1. 18E-11	-0. 15409	0. 02	0. 08	1. 76E-07	monocyte	ZNF408
VLDLR. 1	1. 18E-11	-0. 10178	0. 003	0. 052	1. 77E-07	monocyte	VLDLR
HRASLS. 4	1. 20E-11	-0. 10825	0. 003	0. 052	1. 79E-07	monocyte	HRASLS
MFN1	1. 22E-11	-0. 10491	0. 031	0. 099	1. 82E-07	monocyte	MFN1
SLC20A2. 3	1. 22E-11	-0. 11242	0. 045	0. 119	1. 83E-07	monocyte	SLC20A2
ZNF714. 3	1. 23E-11	-0. 11653	0. 038	0. 109	1. 83E-07	monocyte	ZNF714
PANK4	1. 24E-11	-0. 12807	0. 017	0. 076	1. 86E-07	monocyte	PANK4
CHST7. 6	1. 25E-11	-0. 10149	0. 042	0. 115	1. 87E-07	monocyte	CHST7
PRMT3. 3	1. 25E-11	-0. 12484	0. 028	0. 095	1. 87E-07	monocyte	PRMT3
C17orf96. 1	1. 26E-11	-0. 11442	0. 007	0. 06	1. 89E-07	monocyte	C17orf96
C5orf28. 4	1. 28E-11	-0. 10845	0. 049	0. 125	1. 91E-07	monocyte	C5orf28
RNF214. 2	1. 28E-11	-0. 11353	0. 04	0. 112	1. 92E-07	monocyte	RNF214
B3GALNT2. 1	1. 28E-11	-0. 10772	0. 029	0. 096	1. 92E-07	monocyte	B3GALNT2
NFE2L2. 6	1. 33E-11	-0. 11273	0. 324	0. 481	1. 99E-07	monocyte	NFE2L2
TXLNA. 3	1. 35E-11	-0. 10485	0. 064	0. 146	2. 01E-07	monocyte	TXLNA
LRP12. 5	1. 35E-11	-0. 12999	0. 031	0. 098	2. 02E-07	monocyte	LRP12
UGDH. 3	1. 37E-11	-0. 12029	0. 078	0. 165	2. 04E-07	monocyte	UGDH
ITGAL. 3	1. 38E-11	0. 186594	0. 056	0. 021	2. 06E-07	monocyte	ITGAL
RAB20. 7	1. 40E-11	0. 382765	0. 318	0. 229	2. 10E-07	monocyte	RAB20
CHPT1. 6	1. 40E-11	-0. 11745	0. 196	0. 312	2. 10E-07	monocyte	CHPT1
CDK1. 6	1. 41E-11	-0. 2388	0. 034	0. 102	2. 10E-07	monocyte	CDK1
ATG16L2. 7	1. 41E-11	0. 322496	0. 143	0. 082	2. 11E-07	monocyte	ATG16L2

CTSA. 8	1. 42E-11	0. 339561	0. 436	0. 396	2. 12E-07	monocyte	CTSA
RPUSD1. 4	1. 43E-11	-0. 10682	0. 059	0. 141	2. 14E-07	monocyte	RPUSD1
RCOR2. 6	1. 44E-11	-0. 14465	0. 002	0. 05	2. 15E-07	monocyte	RCOR2
ADCYAP1R1	1. 45E-11	-0. 1302	0. 003	0. 052	2. 16E-07	monocyte	ADCYAP1R1
NPB. 4	1. 46E-11	-0. 12138	0. 015	0. 072	2. 19E-07	monocyte	NPB
MCUR1. 5	1. 47E-11	-0. 10187	0. 158	0. 271	2. 19E-07	monocyte	MCUR1
TATDN1. 2	1. 48E-11	-0. 12426	0. 137	0. 245	2. 22E-07	monocyte	TATDN1
ZNF668. 3	1. 52E-11	-0. 14608	0. 025	0. 088	2. 27E-07	monocyte	ZNF668
FAM159A. 7	1. 53E-11	0. 247895	0. 088	0. 041	2. 29E-07	monocyte	FAM159A
FGF12. 5	1. 54E-11	-0. 18451	0. 003	0. 052	2. 31E-07	monocyte	FGF12
ZNF395. 4	1. 55E-11	-0. 1446	0. 013	0. 069	2. 32E-07	monocyte	ZNF395
USP42. 6	1. 55E-11	-0. 11952	0. 052	0. 129	2. 32E-07	monocyte	USP42
OAF. 2	1. 57E-11	-0. 11027	0. 015	0. 072	2. 35E-07	monocyte	OAF
CAP2. 5	1. 59E-11	-0. 1281	0. 008	0. 061	2. 37E-07	monocyte	CAP2
IL17RB. 6	1. 59E-11	-0. 15373	0. 002	0. 05	2. 38E-07	monocyte	IL17RB
CXXC1. 2	1. 60E-11	-0. 11256	0. 09	0. 181	2. 38E-07	monocyte	CXXC1
OPTN. 6	1. 61E-11	-0. 18938	0. 063	0. 142	2. 41E-07	monocyte	OPTN
VKORC1L1. 1	1. 65E-11	-0. 11029	0. 058	0. 138	2. 47E-07	monocyte	VKORC1L1
WDR75	1. 67E-11	-0. 12137	0. 037	0. 107	2. 49E-07	monocyte	WDR75
NARS2. 2	1. 68E-11	-0. 12071	0. 047	0. 12	2. 51E-07	monocyte	NARS2
ZNF853. 5	1. 69E-11	-0. 10102	0. 003	0. 052	2. 53E-07	monocyte	ZNF853
SP140. 7	1. 70E-11	0. 224203	0. 067	0. 028	2. 54E-07	monocyte	SP140
NAB1. 4	1. 75E-11	-0. 10822	0. 054	0. 132	2. 62E-07	monocyte	NAB1
ARRDC2. 6	1. 76E-11	0. 296405	0. 142	0. 081	2. 63E-07	monocyte	ARRDC2
NVL. 5	1. 77E-11	-0. 11516	0. 042	0. 114	2. 65E-07	monocyte	NVL
JPH4. 5	1. 83E-11	-0. 16209	0. 01	0. 064	2. 73E-07	monocyte	JPH4
NUDT16. 8	1. 84E-11	0. 403596	0. 288	0. 213	2. 75E-07	monocyte	NUDT16
PAQR6. 6	1. 87E-11	-0. 14191	0. 018	0. 077	2. 79E-07	monocyte	PAQR6
PIFO. 6	1. 87E-11	-0. 22388	0. 004	0. 053	2. 79E-07	monocyte	PIFO
RNFT2. 6	1. 94E-11	-0. 11074	0. 016	0. 073	2. 90E-07	monocyte	RNFT2
CLSPN. 5	1. 96E-11	-0. 12288	0. 011	0. 066	2. 94E-07	monocyte	CLSPN
NBAS. 1	1. 97E-11	-0. 10031	0. 04	0. 111	2. 95E-07	monocyte	NBAS
RPS6KA2. 2	2. 00E-11	-0. 16652	0. 045	0. 118	2. 99E-07	monocyte	RPS6KA2
POC1A. 5	2. 02E-11	-0. 12495	0. 008	0. 061	3. 01E-07	monocyte	POC1A
TMEM177. 5	2. 02E-11	-0. 13259	0. 022	0. 083	3. 02E-07	monocyte	TMEM177
FAM64A. 8	2. 03E-11	-0. 22874	0. 017	0. 074	3. 03E-07	monocyte	FAM64A
TLE4. 5	2. 04E-11	-0. 16992	0. 085	0. 17	3. 04E-07	monocyte	TLE4
PLB1. 7	2. 04E-11	0. 189596	0. 084	0. 038	3. 06E-07	monocyte	PLB1
IFNLR1. 4	2. 08E-11	0. 239595	0. 055	0. 021	3. 10E-07	monocyte	IFNLR1
SCD. 7	2. 08E-11	-0. 2684	0. 125	0. 22	3. 11E-07	monocyte	SCD
CA14. 7	2. 09E-11	-0. 1403	0. 005	0. 055	3. 12E-07	monocyte	CA14
MCM2. 3	2. 13E-11	-0. 12612	0. 014	0. 07	3. 19E-07	monocyte	MCM2
MVK. 1	2. 20E-11	-0. 11116	0. 022	0. 083	3. 29E-07	monocyte	MVK
ASMTL. 1	2. 21E-11	-0. 10145	0. 084	0. 172	3. 31E-07	monocyte	ASMTL
SERINC5. 2	2. 22E-11	-0. 12858	0. 015	0. 071	3. 31E-07	monocyte	SERINC5
ZC3H18. 5	2. 26E-11	-0. 10396	0. 077	0. 164	3. 38E-07	monocyte	ZC3H18
GPHN. 4	2. 29E-11	-0. 1292	0. 015	0. 071	3. 42E-07	monocyte	GPHN
GINS1. 3	2. 30E-11	-0. 10462	0. 007	0. 059	3. 43E-07	monocyte	GINS1
ERCC6L2. 4	2. 31E-11	-0. 14153	0. 027	0. 091	3. 46E-07	monocyte	ERCC6L2
FMN1. 7	2. 32E-11	0. 157198	0. 069	0. 029	3. 47E-07	monocyte	FMN1
CORO1B. 7	2. 36E-11	0. 411483	0. 401	0. 358	3. 53E-07	monocyte	CORO1B

PSD2.5	2.38E-11	-0.15012	0	0.045	3.56E-07	monocyte	PSD2
CYB561A3.	2.39E-11	0.373252	0.212	0.145	3.57E-07	monocyte	CYB561A3
RP11-24F1	2.40E-11	0.136669	0.041	0.013	3.59E-07	monocyte	RP11-24F11.2
ZFP64.3	2.43E-11	-0.10539	0.021	0.082	3.63E-07	monocyte	ZFP64
SMIM1.1	2.44E-11	0.128832	0.044	0.015	3.64E-07	monocyte	SMIM1
SMAP2.7	2.44E-11	0.354532	0.309	0.23	3.65E-07	monocyte	SMAP2
SPEN.4	2.55E-11	-0.11953	0.08	0.166	3.82E-07	monocyte	SPEN
BRF1.4	2.57E-11	-0.10633	0.039	0.109	3.85E-07	monocyte	BRF1
CHDH.2	2.58E-11	-0.12197	0.015	0.071	3.85E-07	monocyte	CHDH
PARD6A.4	2.59E-11	-0.1247	0.033	0.1	3.87E-07	monocyte	PARD6A
TSPAN15.7	2.60E-11	0.2289	0.134	0.073	3.88E-07	monocyte	TSPAN15
RNF168.5	2.67E-11	-0.12529	0.072	0.155	3.99E-07	monocyte	RNF168
RAB11FIP1	2.69E-11	0.118887	0.061	0.024	4.02E-07	monocyte	RAB11FIP1
GPR137C.5	2.73E-11	-0.11017	0.004	0.053	4.08E-07	monocyte	GPR137C
MAP4K3.1	2.74E-11	-0.10476	0.023	0.085	4.09E-07	monocyte	MAP4K3
GRIK3.4	2.77E-11	-0.11252	0.002	0.049	4.13E-07	monocyte	GRIK3
SH2B3.8	2.85E-11	0.232787	0.171	0.103	4.25E-07	monocyte	SH2B3
CAPS.4	2.86E-11	-0.12455	0.018	0.076	4.28E-07	monocyte	CAPS
FLCN.3	2.91E-11	-0.11239	0.063	0.142	4.35E-07	monocyte	FLCN
ZNF574.5	2.93E-11	-0.11971	0.028	0.092	4.37E-07	monocyte	ZNF574
GFPT2.4	2.95E-11	-0.13646	0.006	0.056	4.40E-07	monocyte	GFPT2
ZNRD1.2	2.97E-11	-0.10995	0.12	0.219	4.43E-07	monocyte	ZNRD1
FAH.7	3.00E-11	0.312524	0.225	0.152	4.49E-07	monocyte	FAH
LNX1.5	3.17E-11	-0.17989	0.017	0.073	4.74E-07	monocyte	LNX1
TRIP6.7	3.18E-11	-0.11587	0.15	0.258	4.75E-07	monocyte	TRIP6
ICK.4	3.18E-11	-0.11673	0.027	0.09	4.76E-07	monocyte	ICK
TROAP.7	3.21E-11	-0.14342	0.003	0.05	4.80E-07	monocyte	TROAP
RP11-1398	3.31E-11	0.108783	0.042	0.014	4.95E-07	monocyte	RP11-1398P2.1
NECAB3.3	3.31E-11	-0.10274	0.035	0.103	4.95E-07	monocyte	NECAB3
PILRB.4	3.32E-11	-0.10088	0.08	0.168	4.96E-07	monocyte	PILRB
SP9.7	3.36E-11	-0.16492	0	0.044	5.02E-07	monocyte	SP9
CDC16.4	3.39E-11	-0.10302	0.109	0.204	5.07E-07	monocyte	CDC16
MND1.3	3.40E-11	-0.13457	0.002	0.048	5.09E-07	monocyte	MND1
RALGAPA1.	3.43E-11	-0.1193	0.058	0.136	5.13E-07	monocyte	RALGAPA1
SLC35C2.2	3.53E-11	-0.10599	0.154	0.262	5.28E-07	monocyte	SLC35C2
SAAL1.3	3.59E-11	-0.12163	0.057	0.134	5.36E-07	monocyte	SAAL1
GPR82.5	3.65E-11	0.34519	0.197	0.129	5.45E-07	monocyte	GPR82
PRRT3.2	3.70E-11	-0.10774	0.016	0.072	5.52E-07	monocyte	PRRT3
RP11-353N	3.72E-11	0.192777	0.051	0.019	5.55E-07	monocyte	RP11-353N4.5
RNF25.2	3.75E-11	-0.10059	0.039	0.108	5.60E-07	monocyte	RNF25
ERP44.6	3.78E-11	0.405368	0.443	0.391	5.66E-07	monocyte	ERP44
SPIN2B.6	3.80E-11	-0.14271	0.042	0.112	5.68E-07	monocyte	SPIN2B
SPATA2L.2	3.82E-11	-0.12801	0.04	0.109	5.70E-07	monocyte	SPATA2L
SMIM10.3	3.91E-11	-0.11765	0.004	0.052	5.84E-07	monocyte	SMIM10
CTD-2015H	3.92E-11	-0.12139	0.001	0.046	5.86E-07	monocyte	CTD-2015H6.3
RXR2.2	4.05E-11	-0.14677	0.087	0.174	6.05E-07	monocyte	RXR2
THAP3.5	4.06E-11	-0.10587	0.062	0.141	6.07E-07	monocyte	THAP3
SLC41A1.1	4.19E-11	-0.11145	0.016	0.072	6.26E-07	monocyte	SLC41A1
MID1.4	4.24E-11	-0.10041	0.005	0.054	6.33E-07	monocyte	MID1
SDC4.3	4.36E-11	-0.1852	0.035	0.101	6.52E-07	monocyte	SDC4
ACVR2A.3	4.38E-11	-0.10464	0.017	0.073	6.55E-07	monocyte	ACVR2A

CRB2. 6	4. 40E-11	-0. 16964	0. 002	0. 048	6. 58E-07	monocyte	CRB2
RP11-539L	4. 41E-11	-0. 11842	0. 034	0. 101	6. 59E-07	monocyte	RP11-539L10. 3
ARSA. 6	4. 46E-11	0. 423417	0. 197	0. 129	6. 67E-07	monocyte	ARSA
NINJ2. 7	4. 46E-11	0. 175867	0. 146	0. 082	6. 67E-07	monocyte	NINJ2
EPHB1. 5	4. 49E-11	-0. 14432	0. 003	0. 05	6. 71E-07	monocyte	EPHB1
ADNP2. 1	4. 49E-11	-0. 10177	0. 022	0. 082	6. 71E-07	monocyte	ADNP2
DHODH. 3	4. 50E-11	-0. 10891	0. 025	0. 087	6. 72E-07	monocyte	DHODH
FAM169A. 4	4. 51E-11	-0. 11165	0. 004	0. 052	6. 74E-07	monocyte	FAM169A
GTF3C3	4. 52E-11	-0. 12692	0. 037	0. 104	6. 75E-07	monocyte	GTF3C3
MICAL3. 3	4. 52E-11	-0. 14031	0. 021	0. 08	6. 75E-07	monocyte	MICAL3
ARHGAP1. 2	4. 52E-11	-0. 10616	0. 08	0. 167	6. 75E-07	monocyte	ARHGAP1
CSMD2. 1	4. 54E-11	-0. 11943	0. 002	0. 048	6. 78E-07	monocyte	CSMD2
SHC1. 2	4. 60E-11	-0. 14334	0. 058	0. 136	6. 87E-07	monocyte	SHC1
EXD2. 2	4. 64E-11	-0. 12123	0. 033	0. 1	6. 93E-07	monocyte	EXD2
RP11-182L	4. 67E-11	-0. 11475	0. 017	0. 074	6. 98E-07	monocyte	RP11-182L21. 6
IFT80. 3	4. 71E-11	-0. 10488	0. 018	0. 075	7. 05E-07	monocyte	IFT80
CARKD. 6	4. 72E-11	-0. 10543	0. 058	0. 136	7. 05E-07	monocyte	CARKD
URGCP. 5	4. 79E-11	-0. 10124	0. 048	0. 122	7. 16E-07	monocyte	URGCP
PTPRO. 7	4. 93E-11	0. 315686	0. 132	0. 074	7. 37E-07	monocyte	PTPRO
IL17RC. 2	4. 96E-11	-0. 10525	0. 049	0. 122	7. 41E-07	monocyte	IL17RC
GPR162. 6	5. 02E-11	-0. 15696	0. 04	0. 107	7. 49E-07	monocyte	GPR162
MAN2B1. 6	5. 02E-11	0. 284845	0. 116	0. 063	7. 50E-07	monocyte	MAN2B1
SPRED2. 3	5. 10E-11	-0. 12658	0. 047	0. 119	7. 62E-07	monocyte	SPRED2
RP3-522D1	5. 13E-11	0. 204078	0. 075	0. 034	7. 66E-07	monocyte	RP3-522D1. 1
SYT5. 6	5. 26E-11	-0. 15357	0. 002	0. 047	7. 86E-07	monocyte	SYT5
BCKDHB. 2	5. 27E-11	-0. 1171	0. 029	0. 093	7. 88E-07	monocyte	BCKDHB
CCNA2. 7	5. 28E-11	-0. 15926	0. 009	0. 06	7. 89E-07	monocyte	CCNA2
DUS4L. 5	5. 42E-11	-0. 12475	0. 024	0. 084	8. 09E-07	monocyte	DUS4L
FTL. 8	5. 50E-11	0. 204021	1	0. 993	8. 21E-07	monocyte	FTL
AC018647.	5. 51E-11	-0. 22509	0. 001	0. 045	8. 23E-07	monocyte	AC018647. 3
AURKA. 5	5. 55E-11	-0. 18624	0. 023	0. 082	8. 29E-07	monocyte	AURKA
DISC1. 5	5. 62E-11	0. 211322	0. 088	0. 042	8. 40E-07	monocyte	DISC1
WDYHV1. 3	5. 64E-11	-0. 15038	0. 053	0. 127	8. 43E-07	monocyte	WDYHV1
CAV2. 3	5. 70E-11	-0. 14282	0. 002	0. 047	8. 51E-07	monocyte	CAV2
UBXN6. 4	5. 77E-11	-0. 10824	0. 191	0. 309	8. 62E-07	monocyte	UBXN6
SENP7. 5	5. 87E-11	-0. 1049	0. 028	0. 092	8. 78E-07	monocyte	SENP7
FGFR2. 6	5. 98E-11	-0. 19018	0. 004	0. 051	8. 93E-07	monocyte	FGFR2
RGS2. 6	5. 98E-11	0. 523723	0. 501	0. 44	8. 93E-07	monocyte	RGS2
ARCN1. 1	5. 99E-11	-0. 11247	0. 093	0. 183	8. 95E-07	monocyte	ARCN1
GPR137. 5	6. 08E-11	-0. 1103	0. 12	0. 216	9. 09E-07	monocyte	GPR137
ONECUT2. 5	6. 18E-11	-0. 13453	0. 002	0. 047	9. 24E-07	monocyte	ONECUT2
THBS4. 5	6. 26E-11	-0. 10777	0. 006	0. 055	9. 35E-07	monocyte	THBS4
SYNJ2. 3	6. 27E-11	-0. 1165	0. 003	0. 049	9. 38E-07	monocyte	SYNJ2
BBS7. 3	6. 43E-11	-0. 12576	0. 035	0. 102	9. 61E-07	monocyte	BBS7
NCAPG2. 3	6. 44E-11	-0. 11081	0. 014	0. 067	9. 62E-07	monocyte	NCAPG2
PRKAR2B. 6	6. 49E-11	-0. 17426	0. 018	0. 073	9. 69E-07	monocyte	PRKAR2B
UPP1. 7	6. 52E-11	-0. 19159	0. 163	0. 263	9. 74E-07	monocyte	UPP1
SLU7. 2	6. 58E-11	-0. 11056	0. 203	0. 323	9. 84E-07	monocyte	SLU7
PHF13. 2	6. 96E-11	-0. 11685	0. 015	0. 069	1. 04E-06	monocyte	PHF13
DDX25. 5	7. 02E-11	-0. 12985	0	0. 043	1. 05E-06	monocyte	DDX25
PCK2. 6	7. 03E-11	0. 22027	0. 119	0. 065	1. 05E-06	monocyte	PCK2

ZNF516.1	7.04E-11	-0.13981	0.034	0.099	1.05E-06	monocyte	ZNF516
AP1G1.3	7.12E-11	-0.1188	0.055	0.13	1.06E-06	monocyte	AP1G1
CDK7.2	7.18E-11	-0.1507	0.033	0.098	1.07E-06	monocyte	CDK7
BAX.8	7.22E-11	0.352148	0.563	0.566	1.08E-06	monocyte	BAX
SLC4A8.3	7.25E-11	-0.14292	0.021	0.079	1.08E-06	monocyte	SLC4A8
RNF213.8	7.34E-11	0.431733	0.322	0.256	1.10E-06	monocyte	RNF213
WDFY4.7	7.36E-11	0.143083	0.058	0.023	1.10E-06	monocyte	WDFY4
SLC05A1.6	7.42E-11	-0.1478	0.001	0.045	1.11E-06	monocyte	SLC05A1
SLC9B2.2	7.49E-11	-0.1356	0.003	0.049	1.12E-06	monocyte	SLC9B2
WWOX.2	7.72E-11	-0.16148	0.038	0.104	1.15E-06	monocyte	WWOX
MEPCE.1	7.80E-11	-0.14549	0.058	0.134	1.17E-06	monocyte	MEPCE
CPPED1.8	7.84E-11	0.248867	0.118	0.063	1.17E-06	monocyte	CPPED1
GLI4.5	7.95E-11	-0.11684	0.046	0.117	1.19E-06	monocyte	GLI4
ZC4H2.5	8.00E-11	-0.12657	0.007	0.056	1.19E-06	monocyte	ZC4H2
TTC39C.3	8.13E-11	-0.1205	0.025	0.085	1.22E-06	monocyte	TTC39C
RP11-127E	8.24E-11	-0.11026	0.004	0.05	1.23E-06	monocyte	RP11-127B20.2
NUDT14.8	8.33E-11	0.355762	0.261	0.186	1.24E-06	monocyte	NUDT14
FAM20C.6	8.34E-11	-0.14736	0.134	0.231	1.25E-06	monocyte	FAM20C
PKP4.4	8.46E-11	-0.11988	0.008	0.058	1.26E-06	monocyte	PKP4
SALL2.1	8.57E-11	-0.12153	0.001	0.044	1.28E-06	monocyte	SALL2
F11R.7	8.61E-11	0.223761	0.103	0.053	1.29E-06	monocyte	F11R
DIP2C.4	9.20E-11	-0.12154	0.028	0.09	1.38E-06	monocyte	DIP2C
HCG18.5	9.35E-11	-0.10335	0.047	0.118	1.40E-06	monocyte	HCG18
AGO2.1	9.42E-11	-0.12678	0.019	0.075	1.41E-06	monocyte	AGO2
FBLIM1.3	9.88E-11	-0.10243	0.03	0.094	1.48E-06	monocyte	FBLIM1
ATP6AP2.4	9.89E-11	0.357728	0.621	0.659	1.48E-06	monocyte	ATP6AP2
DCBLD1.2	9.94E-11	-0.10871	0.03	0.093	1.49E-06	monocyte	DCBLD1
ZNF470	1.02E-10	-0.10174	0.005	0.052	1.52E-06	monocyte	ZNF470
KHK.1	1.05E-10	-0.12248	0.026	0.087	1.57E-06	monocyte	KHK
GNPNAT1.2	1.06E-10	-0.1248	0.04	0.107	1.58E-06	monocyte	GNPNAT1
DIAPH2.4	1.06E-10	0.228257	0.114	0.061	1.59E-06	monocyte	DIAPH2
NMRK1.6	1.06E-10	0.414483	0.204	0.134	1.59E-06	monocyte	NMRK1
CAHM.6	1.07E-10	-0.10262	0.032	0.097	1.59E-06	monocyte	CAHM
KITLG.2	1.07E-10	-0.10143	0.002	0.046	1.60E-06	monocyte	KITLG
DUSP5.1	1.08E-10	-0.14388	0.021	0.078	1.61E-06	monocyte	DUSP5
EMP3.7	1.09E-10	-0.15086	0.333	0.459	1.62E-06	monocyte	EMP3
ZNF71.6	1.09E-10	-0.12178	0.028	0.09	1.63E-06	monocyte	ZNF71
GOLGA8B.3	1.09E-10	-0.10739	0.006	0.054	1.63E-06	monocyte	GOLGA8B
MAPK8IP2.1	1.10E-10	-0.12673	0.002	0.046	1.64E-06	monocyte	MAPK8IP2
KAT6A.3	1.13E-10	-0.10247	0.081	0.165	1.68E-06	monocyte	KAT6A
SERPINI1.1	1.13E-10	-0.18303	0.008	0.057	1.69E-06	monocyte	SERPINI1
MKRN3.5	1.15E-10	-0.12537	0.003	0.048	1.72E-06	monocyte	MKRN3
CTH.3	1.16E-10	-0.11236	0.009	0.059	1.73E-06	monocyte	CTH
DOK4.6	1.16E-10	-0.10845	0.004	0.05	1.74E-06	monocyte	DOK4
DUSP10.1	1.17E-10	-0.18017	0.102	0.186	1.75E-06	monocyte	DUSP10
AKNA.6	1.18E-10	0.219924	0.123	0.068	1.77E-06	monocyte	AKNA
SASH1.5	1.18E-10	-0.14684	0.019	0.074	1.77E-06	monocyte	SASH1
SECISBP2L.1	1.20E-10	-0.13388	0.094	0.181	1.79E-06	monocyte	SECISBP2L
FABP6.7	1.21E-10	-0.16128	0	0.042	1.80E-06	monocyte	FABP6
ATF7IP2.7	1.21E-10	0.214413	0.081	0.038	1.81E-06	monocyte	ATF7IP2
IMMP2L.6	1.23E-10	-0.15078	0.072	0.151	1.84E-06	monocyte	IMMP2L

MELK. 4	1. 25E-10	-0. 11958	0. 004	0. 05	1. 87E-06	monocyte	MELK
KLHL28. 6	1. 26E-10	-0. 12016	0. 053	0. 125	1. 88E-06	monocyte	KLHL28
CTC-338M1	1. 26E-10	-0. 1496	0. 018	0. 073	1. 88E-06	monocyte	CTC-338M12. 5
BMP1. 2	1. 27E-10	-0. 11066	0. 015	0. 068	1. 90E-06	monocyte	BMP1
CLCN4. 7	1. 29E-10	-0. 1446	0. 009	0. 059	1. 93E-06	monocyte	CLCN4
CDKN2AIP.	1. 33E-10	-0. 17783	0. 075	0. 153	1. 99E-06	monocyte	CDKN2AIP
MFSD2A. 4	1. 37E-10	-0. 14579	0. 039	0. 104	2. 04E-06	monocyte	MFSD2A
ASF1B. 5	1. 38E-10	-0. 12758	0. 013	0. 064	2. 06E-06	monocyte	ASF1B
PHF10. 1	1. 39E-10	-0. 10079	0. 027	0. 088	2. 07E-06	monocyte	PHF10
BAG5. 6	1. 39E-10	-0. 15431	0. 104	0. 192	2. 08E-06	monocyte	BAG5
PPM1D. 3	1. 41E-10	-0. 10506	0. 035	0. 1	2. 11E-06	monocyte	PPM1D
POMT2. 2	1. 42E-10	-0. 11834	0. 02	0. 076	2. 12E-06	monocyte	POMT2
UBR7. 4	1. 43E-10	-0. 10545	0. 051	0. 123	2. 14E-06	monocyte	UBR7
CNOT10. 2	1. 45E-10	-0. 10466	0. 055	0. 128	2. 16E-06	monocyte	CNOT10
CA9. 4	1. 46E-10	-0. 18405	0. 001	0. 043	2. 18E-06	monocyte	CA9
SMYD2. 2	1. 46E-10	-0. 1208	0. 069	0. 147	2. 18E-06	monocyte	SMYD2
MSANTD2. 2	1. 51E-10	-0. 10698	0. 013	0. 064	2. 25E-06	monocyte	MSANTD2
ARX. 7	1. 51E-10	-0. 15233	0. 001	0. 043	2. 25E-06	monocyte	ARX
CPLX1. 5	1. 51E-10	-0. 14805	0. 002	0. 045	2. 26E-06	monocyte	CPLX1
BIRC3. 4	1. 52E-10	-0. 24094	0. 016	0. 068	2. 27E-06	monocyte	BIRC3
RP11-1275	1. 53E-10	-0. 11246	0. 013	0. 064	2. 28E-06	monocyte	RP11-1275H24. 1
SPTLC2. 8	1. 53E-10	0. 374018	0. 277	0. 204	2. 29E-06	monocyte	SPTLC2
PPFIA2. 4	1. 54E-10	-0. 15475	0. 004	0. 049	2. 30E-06	monocyte	PPFIA2
CXCL3. 5	1. 56E-10	-0. 26977	0. 021	0. 077	2. 33E-06	monocyte	CXCL3
AURKB. 7	1. 60E-10	-0. 18836	0. 006	0. 052	2. 39E-06	monocyte	AURKB
KCTD15. 3	1. 60E-10	-0. 11527	0. 004	0. 049	2. 40E-06	monocyte	KCTD15
IQCG. 5	1. 64E-10	-0. 1191	0. 055	0. 128	2. 45E-06	monocyte	IQCG
ADRBK2. 6	1. 68E-10	0. 189458	0. 097	0. 049	2. 51E-06	monocyte	ADRBK2
CMTM3. 8	1. 72E-10	0. 345787	0. 37	0. 32	2. 57E-06	monocyte	CMTM3
LIN7A. 3	1. 75E-10	-0. 10258	0. 002	0. 045	2. 61E-06	monocyte	LIN7A
PDZD2. 3	1. 77E-10	-0. 13183	0. 003	0. 047	2. 64E-06	monocyte	PDZD2
RACGAP1. 4	1. 79E-10	-0. 14655	0. 028	0. 088	2. 68E-06	monocyte	RACGAP1
TXNL4B. 2	1. 80E-10	-0. 11757	0. 037	0. 101	2. 69E-06	monocyte	TXNL4B
LOH12CR2.	1. 85E-10	-0. 13444	0. 009	0. 058	2. 76E-06	monocyte	LOH12CR2
ACO91729.	1. 85E-10	-0. 1017	0. 026	0. 085	2. 77E-06	monocyte	ACO91729. 9
INSIG1. 7	1. 87E-10	-0. 19379	0. 141	0. 234	2. 79E-06	monocyte	INSIG1
HYOU1. 4	1. 91E-10	-0. 12046	0. 068	0. 145	2. 86E-06	monocyte	HYOU1
DTD2. 3	1. 96E-10	-0. 12443	0. 02	0. 075	2. 93E-06	monocyte	DTD2
RIPPLY2. 3	1. 97E-10	-0. 10591	0	0. 041	2. 94E-06	monocyte	RIPPLY2
STRN3. 2	2. 01E-10	-0. 10477	0. 061	0. 136	3. 00E-06	monocyte	STRN3
EXOC4. 3	2. 02E-10	-0. 12323	0. 088	0. 171	3. 03E-06	monocyte	EXOC4
WDR86. 3	2. 04E-10	-0. 10876	0. 003	0. 047	3. 04E-06	monocyte	WDR86
TPT1. 6	2. 05E-10	0. 207119	0. 937	0. 954	3. 06E-06	monocyte	TPT1
ATG16L1. 1	2. 06E-10	-0. 13749	0. 018	0. 072	3. 08E-06	monocyte	ATG16L1
RSAD2. 1	2. 08E-10	0. 254694	0. 068	0. 03	3. 10E-06	monocyte	RSAD2
ZNF22. 6	2. 10E-10	-0. 10069	0. 175	0. 284	3. 14E-06	monocyte	ZNF22
SLC32A1. 6	2. 17E-10	-0. 16249	0	0. 041	3. 24E-06	monocyte	SLC32A1
ZNF569. 4	2. 18E-10	-0. 12618	0. 019	0. 073	3. 26E-06	monocyte	ZNF569
AFF3. 5	2. 18E-10	-0. 12188	0. 008	0. 056	3. 26E-06	monocyte	AFF3
SLC31A2. 8	2. 24E-10	0. 279158	0. 269	0. 185	3. 34E-06	monocyte	SLC31A2
TUBA4A. 4	2. 24E-10	-0. 22168	0. 009	0. 058	3. 34E-06	monocyte	TUBA4A

NRP2. 5	2. 27E-10	-0. 14094	0. 137	0. 229	3. 40E-06	monocyte	NRP2
TMEM150C. 2.	2. 29E-10	-0. 13261	0. 004	0. 048	3. 42E-06	monocyte	TMEM150C
RP5-1177M 2.	2. 36E-10	-0. 18577	0. 004	0. 049	3. 53E-06	monocyte	RP5-1177M21. 1
POLI. 2	2. 38E-10	-0. 12291	0. 032	0. 095	3. 55E-06	monocyte	POLI
VSIG10. 1	2. 41E-10	-0. 13078	0. 015	0. 067	3. 59E-06	monocyte	VSIG10
ZNF419. 3	2. 44E-10	-0. 14376	0. 015	0. 066	3. 65E-06	monocyte	ZNF419
CASKIN2. 2	2. 44E-10	-0. 10957	0. 004	0. 048	3. 65E-06	monocyte	CASKIN2
NR2F2. 5	2. 50E-10	-0. 14025	0. 004	0. 048	3. 74E-06	monocyte	NR2F2
UBALD1. 6	2. 53E-10	-0. 10158	0. 089	0. 174	3. 78E-06	monocyte	UBALD1
LRRC20. 1	2. 55E-10	-0. 10718	0. 006	0. 052	3. 82E-06	monocyte	LRRC20
SALL3. 4	2. 56E-10	-0. 10312	0. 002	0. 044	3. 83E-06	monocyte	SALL3
SUSD4. 5	2. 58E-10	-0. 12861	0. 002	0. 044	3. 85E-06	monocyte	SUSD4
COQ10A. 5	2. 69E-10	-0. 12037	0. 041	0. 106	4. 02E-06	monocyte	COQ10A
PHF11. 7	2. 72E-10	0. 329204	0. 201	0. 136	4. 07E-06	monocyte	PHF11
RNF112. 2	2. 77E-10	-0. 10395	0	0. 04	4. 14E-06	monocyte	RNF112
RRAGB. 5	2. 79E-10	-0. 10146	0. 048	0. 117	4. 16E-06	monocyte	RRAGB
RCHY1. 4	2. 90E-10	-0. 10355	0. 117	0. 207	4. 33E-06	monocyte	RCHY1
FKBPL. 4	3. 01E-10	-0. 11494	0. 017	0. 069	4. 49E-06	monocyte	FKBPL
MUC12. 3	3. 03E-10	-0. 18042	0. 003	0. 046	4. 53E-06	monocyte	MUC12
NYAP1. 5	3. 06E-10	-0. 12407	0	0. 04	4. 57E-06	monocyte	NYAP1
SLC1A5. 7	3. 15E-10	0. 352036	0. 197	0. 133	4. 70E-06	monocyte	SLC1A5
SNRNP35. 3	3. 16E-10	-0. 11813	0. 112	0. 203	4. 72E-06	monocyte	SNRNP35
RABL2A. 5	3. 24E-10	-0. 1217	0. 024	0. 081	4. 84E-06	monocyte	RABL2A
EFHD1. 5	3. 25E-10	-0. 24245	0. 013	0. 062	4. 85E-06	monocyte	EFHD1
TMEM151A. 3.	2. 8E-10	-0. 16892	0. 003	0. 046	4. 90E-06	monocyte	TMEM151A
VRK2. 8	3. 30E-10	0. 197327	0. 099	0. 051	4. 94E-06	monocyte	VRK2
PDK4. 7	3. 31E-10	0. 398746	0. 234	0. 164	4. 95E-06	monocyte	PDK4
NDC80. 6	3. 32E-10	-0. 14031	0. 006	0. 052	4. 96E-06	monocyte	NDC80
SPRTN. 4	3. 34E-10	-0. 11851	0. 059	0. 132	4. 99E-06	monocyte	SPRTN
TTC8. 3	3. 35E-10	-0. 11443	0. 031	0. 092	5. 01E-06	monocyte	TTC8
ZNF550. 5	3. 37E-10	-0. 13526	0. 006	0. 052	5. 04E-06	monocyte	ZNF550
ANAPC16. 6	3. 44E-10	0. 415434	0. 548	0. 523	5. 13E-06	monocyte	ANAPC16
HOOK3. 4	3. 52E-10	-0. 10348	0. 181	0. 293	5. 26E-06	monocyte	HOOK3
SPAG5. 4	3. 55E-10	-0. 11465	0. 004	0. 048	5. 30E-06	monocyte	SPAG5
CXorf21. 8	3. 61E-10	0. 2138	0. 129	0. 071	5. 39E-06	monocyte	CXorf21
DDX19A. 2	3. 62E-10	-0. 10221	0. 081	0. 165	5. 42E-06	monocyte	DDX19A
PCNXL4	3. 64E-10	-0. 11535	0. 057	0. 129	5. 44E-06	monocyte	PCNXL4
ASUN. 3	3. 64E-10	-0. 11093	0. 048	0. 116	5. 44E-06	monocyte	ASUN
FKBP5. 8	3. 71E-10	0. 398304	0. 374	0. 312	5. 55E-06	monocyte	FKBP5
ADRBK1. 8	3. 74E-10	0. 247851	0. 146	0. 088	5. 59E-06	monocyte	ADRBK1
FBXO31. 1	3. 79E-10	-0. 11594	0. 01	0. 059	5. 67E-06	monocyte	FBXO31
ABTB1. 7	3. 80E-10	0. 268094	0. 162	0. 099	5. 67E-06	monocyte	ABTB1
PCF11. 5	3. 86E-10	-0. 11097	0. 119	0. 211	5. 77E-06	monocyte	PCF11
C21orf58. 3.	3. 90E-10	-0. 1089	0. 009	0. 057	5. 82E-06	monocyte	C21orf58
ATF7IP. 3	3. 95E-10	-0. 11381	0. 049	0. 118	5. 91E-06	monocyte	ATF7IP
FBXO16. 3	3. 98E-10	-0. 11952	0. 002	0. 043	5. 95E-06	monocyte	FBXO16
RP11-430H 4.	4. 09E-10	-0. 10356	0. 001	0. 041	6. 11E-06	monocyte	RP11-430H10. 1
FO XK1. 4	4. 09E-10	-0. 13252	0. 061	0. 133	6. 12E-06	monocyte	FO XK1
RAB3C. 4	4. 11E-10	-0. 13622	0. 001	0. 041	6. 15E-06	monocyte	RAB3C
NDUFA4L2. 4.	4. 13E-10	-0. 17607	0. 002	0. 043	6. 16E-06	monocyte	NDUFA4L2
TSEN2. 7	4. 16E-10	-0. 12747	0. 032	0. 093	6. 21E-06	monocyte	TSEN2



FCH02.5	4.16E-10	0.190694	0.123	0.07	6.22E-06	monocyte	FCH02
ABL1.1	4.19E-10	-0.12228	0.035	0.098	6.27E-06	monocyte	ABL1
CDCA3.7	4.28E-10	-0.17696	0.009	0.056	6.40E-06	monocyte	CDCA3
PCDH8.4	4.28E-10	-0.10926	0.006	0.051	6.40E-06	monocyte	PCDH8
NRG2.5	4.30E-10	-0.10408	0.002	0.043	6.43E-06	monocyte	NRG2
ACO02456.4	4.38E-10	-0.14779	0.004	0.047	6.55E-06	monocyte	ACO02456.2
TFEB.6	4.39E-10	0.210177	0.127	0.073	6.57E-06	monocyte	TFEB
CKAP2L.7	4.43E-10	-0.13821	0.005	0.049	6.62E-06	monocyte	CKAP2L
ST8SIA4.8	4.44E-10	0.219451	0.181	0.114	6.63E-06	monocyte	ST8SIA4
STOML1.4	4.47E-10	-0.15831	0.042	0.106	6.67E-06	monocyte	STOML1
ARMC9.4	4.51E-10	-0.10485	0.02	0.074	6.75E-06	monocyte	ARMC9
MASP1.4	4.53E-10	-0.15933	0.002	0.043	6.76E-06	monocyte	MASP1
COPA.5	4.55E-10	-0.10118	0.208	0.322	6.80E-06	monocyte	COPA
LDHD.1	4.63E-10	0.145516	0.049	0.019	6.92E-06	monocyte	LDHD
HBEGF.8	4.68E-10	-0.1828	0.137	0.222	6.99E-06	monocyte	HBEGF
TCN2.4	4.71E-10	0.359808	0.153	0.094	7.03E-06	monocyte	TCN2
POMZP3.6	4.83E-10	-0.10679	0.031	0.091	7.21E-06	monocyte	POMZP3
LINC00672.4	4.89E-10	-0.12912	0.008	0.055	7.30E-06	monocyte	LINC00672
TOPORS.5	4.89E-10	-0.10594	0.101	0.185	7.31E-06	monocyte	TOPORS
DLGAP1.5	4.97E-10	-0.10756	0.005	0.049	7.42E-06	monocyte	DLGAP1
C6orf52.3	5.11E-10	-0.10734	0.005	0.049	7.64E-06	monocyte	C6orf52
RORB.5	5.15E-10	-0.14679	0.001	0.041	7.70E-06	monocyte	RORB
ZCCHC24.6	5.26E-10	-0.15707	0.041	0.105	7.86E-06	monocyte	ZCCHC24
NSUN2.2	5.26E-10	-0.1253	0.066	0.14	7.87E-06	monocyte	NSUN2
NCAPG.6	5.30E-10	-0.12081	0.003	0.045	7.92E-06	monocyte	NCAPG
SMAD4.3	5.34E-10	-0.10452	0.056	0.128	7.98E-06	monocyte	SMAD4
VWA3B.3	5.54E-10	-0.10751	0.001	0.041	8.28E-06	monocyte	VWA3B
RPUSD2.2	5.62E-10	-0.10124	0.019	0.072	8.40E-06	monocyte	RPUSD2
TNFRSF1A.5	5.75E-10	0.328123	0.414	0.368	8.59E-06	monocyte	TNFRSF1A
LIMS1.8	5.81E-10	0.371894	0.475	0.436	8.68E-06	monocyte	LIMS1
PDE1C.3	5.86E-10	-0.13488	0.002	0.043	8.76E-06	monocyte	PDE1C
NCAPH.2	6.07E-10	-0.1104	0	0.039	9.06E-06	monocyte	NCAPH
CLCF1.4	6.08E-10	-0.16427	0.003	0.045	9.09E-06	monocyte	CLCF1
NECAB1.6	6.35E-10	-0.18438	0.001	0.041	9.48E-06	monocyte	NECAB1
ASPM.8	6.41E-10	-0.14015	0.006	0.05	9.58E-06	monocyte	ASPM
FARP2.8	6.44E-10	-0.1337	0.019	0.071	9.62E-06	monocyte	FARP2
DHRS4.5	6.53E-10	0.23363	0.133	0.077	9.75E-06	monocyte	DHRS4
SPDL1.4	6.77E-10	-0.11101	0.018	0.069	1.01E-05	monocyte	SPDL1
DIS3L2.2	6.88E-10	-0.15521	0.043	0.107	1.03E-05	monocyte	DIS3L2
CERS6.5	7.11E-10	-0.11765	0.062	0.132	1.06E-05	monocyte	CERS6
RAP1GDS1.7	7.36E-10	-0.102	0.097	0.18	1.10E-05	monocyte	RAP1GDS1
NLRC4.2	7.45E-10	0.156337	0.034	0.011	1.11E-05	monocyte	NLRC4
TMIGD2.4	7.46E-10	0.260188	0.046	0.017	1.12E-05	monocyte	TMIGD2
PFN1.7	7.47E-10	0.163131	0.783	0.811	1.12E-05	monocyte	PFN1
CADM1.6	7.47E-10	-0.16753	0.224	0.334	1.12E-05	monocyte	CADM1
EFCAB2.1	7.62E-10	-0.13374	0.04	0.102	1.14E-05	monocyte	EFCAB2
CADPS.6	7.81E-10	-0.20339	0.004	0.046	1.17E-05	monocyte	CADPS
UBXN7.2	8.01E-10	-0.10414	0.053	0.122	1.20E-05	monocyte	UBXN7
PKMYT1.5	8.10E-10	-0.11908	0.004	0.046	1.21E-05	monocyte	PKMYT1
LINC00599.8	8.13E-10	-0.14485	0	0.038	1.22E-05	monocyte	LINC00599
APOBEC3G.8	8.41E-10	0.27285	0.176	0.113	1.26E-05	monocyte	APOBEC3G

CTBS. 5	8. 49E-10	0. 335174	0. 215	0. 151	1. 27E-05	monocyte	CTBS
PDCD2L. 5	8. 65E-10	-0. 11668	0. 045	0. 11	1. 29E-05	monocyte	PDCD2L
GINS4. 1	8. 65E-10	-0. 10337	0. 005	0. 048	1. 29E-05	monocyte	GINS4
FMNL2. 6	8. 68E-10	-0. 1136	0. 169	0. 274	1. 30E-05	monocyte	FMNL2
PLK1. 6	8. 73E-10	-0. 17972	0. 011	0. 058	1. 30E-05	monocyte	PLK1
ERBB2. 3	8. 88E-10	-0. 10204	0. 014	0. 062	1. 33E-05	monocyte	ERBB2
UGT8. 6	8. 90E-10	-0. 21524	0. 008	0. 053	1. 33E-05	monocyte	UGT8
LYVE1. 6	8. 94E-10	0. 55928	0. 073	0. 035	1. 34E-05	monocyte	LYVE1
IRF1. 6	9. 00E-10	-0. 18191	0. 125	0. 213	1. 35E-05	monocyte	IRF1
SIN3B. 1	9. 02E-10	-0. 12235	0. 039	0. 101	1. 35E-05	monocyte	SIN3B
CNFN. 3	9. 13E-10	0. 196108	0. 057	0. 024	1. 37E-05	monocyte	CNFN
TSTD2. 3	9. 43E-10	-0. 12092	0. 025	0. 08	1. 41E-05	monocyte	TSTD2
FHL2. 5	9. 49E-10	-0. 1185	0. 006	0. 05	1. 42E-05	monocyte	FHL2
MYADM. 6	9. 75E-10	-0. 13535	0. 114	0. 2	1. 46E-05	monocyte	MYADM
CCNF. 2	9. 89E-10	-0. 10392	0. 001	0. 04	1. 48E-05	monocyte	CCNF
ACTN2. 3	9. 95E-10	-0. 11968	0. 004	0. 046	1. 49E-05	monocyte	ACTN2
NQO1. 5	1. 00E-09	-0. 17212	0. 049	0. 114	1. 49E-05	monocyte	NQO1
MXD3. 7	1. 01E-09	-0. 12552	0. 017	0. 067	1. 50E-05	monocyte	MXD3
ABHD5. 3	1. 02E-09	-0. 14499	0. 051	0. 116	1. 53E-05	monocyte	ABHD5
ATP5E. 5	1. 02E-09	0. 255384	0. 902	0. 915	1. 53E-05	monocyte	ATP5E
UBA6-AS1. 1	1. 04E-09	-0. 14041	0. 03	0. 088	1. 56E-05	monocyte	UBA6-AS1
GJB2. 4	1. 05E-09	-0. 16138	0. 008	0. 053	1. 57E-05	monocyte	GJB2
SLC35G2. 7	1. 07E-09	-0. 13296	0. 054	0. 123	1. 60E-05	monocyte	SLC35G2
INA. 5	1. 07E-09	-0. 13894	0. 004	0. 046	1. 60E-05	monocyte	INA
ZNF781. 3	1. 07E-09	-0. 11584	0. 005	0. 047	1. 60E-05	monocyte	ZNF781
FGF14-AS2	1. 07E-09	-0. 10819	0. 009	0. 055	1. 61E-05	monocyte	FGF14-AS2
MYOZ2	1. 08E-09	0. 146293	0. 018	0. 004	1. 62E-05	monocyte	MYOZ2
SAMD9L. 2	1. 09E-09	0. 284451	0. 152	0. 095	1. 63E-05	monocyte	SAMD9L
ATMIN. 7	1. 09E-09	-0. 11537	0. 053	0. 121	1. 63E-05	monocyte	ATMIN
SNAPC2. 1	1. 10E-09	-0. 10072	0. 12	0. 211	1. 64E-05	monocyte	SNAPC2
IGSF21. 6	1. 13E-09	0. 310717	0. 228	0. 158	1. 69E-05	monocyte	IGSF21
SUN2. 4	1. 16E-09	-0. 12746	0. 136	0. 226	1. 73E-05	monocyte	SUN2
USP54. 5	1. 18E-09	-0. 15829	0. 007	0. 051	1. 76E-05	monocyte	USP54
TPD52L2. 5	1. 18E-09	-0. 11597	0. 218	0. 333	1. 76E-05	monocyte	TPD52L2
PDZRN4. 5	1. 20E-09	-0. 14775	0. 002	0. 041	1. 80E-05	monocyte	PDZRN4
CYP3A5. 5	1. 21E-09	-0. 10175	0. 015	0. 063	1. 82E-05	monocyte	CYP3A5
AKAP17A. 4	1. 22E-09	-0. 11086	0. 093	0. 174	1. 83E-05	monocyte	AKAP17A
NEK11. 4	1. 23E-09	-0. 12151	0. 007	0. 051	1. 84E-05	monocyte	NEK11
RCAN2. 5	1. 25E-09	-0. 15063	0. 005	0. 047	1. 87E-05	monocyte	RCAN2
NR1D1. 5	1. 25E-09	-0. 10628	0. 008	0. 053	1. 87E-05	monocyte	NR1D1
ZDHHC17. 3	1. 25E-09	-0. 11794	0. 046	0. 11	1. 88E-05	monocyte	ZDHHC17
HSPA1A. 4	1. 29E-09	0. 426601	0. 527	0. 489	1. 93E-05	monocyte	HSPA1A
CNTNAP3B. 1	1. 32E-09	-0. 10448	0	0. 037	1. 98E-05	monocyte	CNTNAP3B
SLITRK2. 3	1. 32E-09	-0. 1164	0	0. 037	1. 98E-05	monocyte	SLITRK2
FAM13C. 5	1. 33E-09	-0. 12802	0. 003	0. 043	1. 99E-05	monocyte	FAM13C
SAA2. 5	1. 37E-09	-0. 64677	0. 01	0. 055	2. 04E-05	monocyte	SAA2
C16orf54. 1	1. 37E-09	0. 138985	0. 04	0. 014	2. 05E-05	monocyte	C16orf54
PKNOX1. 1	1. 38E-09	-0. 11458	0. 049	0. 114	2. 06E-05	monocyte	PKNOX1
DNAJC30. 6	1. 42E-09	-0. 10437	0. 082	0. 16	2. 13E-05	monocyte	DNAJC30
FEM1A. 1	1. 42E-09	-0. 1071	0. 062	0. 131	2. 13E-05	monocyte	FEM1A
AP5Z1. 2	1. 43E-09	-0. 14136	0. 065	0. 134	2. 14E-05	monocyte	AP5Z1

AC006129.	1.	4.4E-09	0.133484	0.034	0.011	2.15E-05	monocyte	AC006129.	2
DPYD.	6	1.46E-09	0.213414	0.156	0.096	2.17E-05	monocyte	DPYD	
NKIRAS1.	3	1.47E-09	-0.10228	0.044	0.107	2.19E-05	monocyte	NKIRAS1	
MAST4.	4	1.48E-09	-0.15082	0.01	0.056	2.21E-05	monocyte	MAST4	
SERPINF2.	1.	5.6E-09	0.172785	0.055	0.023	2.33E-05	monocyte	SERPINF2	
MCCC1.	2	1.56E-09	-0.1001	0.077	0.153	2.34E-05	monocyte	MCCC1	
KBTBD2.	2	1.57E-09	-0.10068	0.053	0.12	2.35E-05	monocyte	KBTBD2	
P4HA2.	3	1.59E-09	-0.11712	0.029	0.085	2.38E-05	monocyte	P4HA2	
LINGO1.	5	1.60E-09	-0.11663	0.001	0.039	2.40E-05	monocyte	LINGO1	
CDK5R2.	5	1.61E-09	-0.13252	0	0.037	2.41E-05	monocyte	CDK5R2	
HOXC8.	4	1.61E-09	-0.13651	0	0.037	2.41E-05	monocyte	HOXC8	
MIR7-3HG.	1.	6.1E-09	-0.19068	0	0.037	2.41E-05	monocyte	MIR7-3HG	
CTD-3138E	1.	6.4E-09	-0.11058	0.029	0.086	2.45E-05	monocyte	CTD-3138B	18. 5
GNB4.	6	1.65E-09	0.408696	0.287	0.228	2.46E-05	monocyte	GNB4	
CERK.	4	1.65E-09	-0.11029	0.048	0.113	2.47E-05	monocyte	CERK	
ZDHHC22.	6	1.66E-09	-0.1215	0.005	0.047	2.48E-05	monocyte	ZDHHC22	
NIPBL.	3	1.66E-09	-0.11436	0.15	0.247	2.48E-05	monocyte	NIPBL	
ERBB3.	6	1.67E-09	-0.1289	0.002	0.041	2.50E-05	monocyte	ERBB3	
DOCK11.	7	1.67E-09	0.18522	0.096	0.05	2.50E-05	monocyte	DOCK11	
BMPER.	3	1.69E-09	-0.10553	0.001	0.039	2.53E-05	monocyte	BMPER	
CDCA8.	5	1.69E-09	-0.13858	0.003	0.043	2.53E-05	monocyte	CDCA8	
KCNN2.	5	1.72E-09	-0.10481	0.001	0.039	2.57E-05	monocyte	KCNN2	
TYW5.	2	1.72E-09	-0.11598	0.037	0.096	2.57E-05	monocyte	TYW5	
RP11-635N	1.	7.2E-09	-0.10908	0.014	0.061	2.57E-05	monocyte	RP11-635N	19. 1
DEPDC1B.	2	1.76E-09	-0.1002	0.001	0.039	2.64E-05	monocyte	DEPDC1B	
ZNF140.	4	1.77E-09	-0.1127	0.048	0.112	2.64E-05	monocyte	ZNF140	
BOLA3-AS1	1.	7.7E-09	-0.1049	0.003	0.043	2.65E-05	monocyte	BOLA3-AS1	
GPR19.	4	1.80E-09	-0.14608	0.006	0.048	2.68E-05	monocyte	GPR19	
EAF2.	8	1.83E-09	0.281052	0.145	0.088	2.74E-05	monocyte	EAF2	
PRCD.	5	1.86E-09	-0.18334	0	0.036	2.79E-05	monocyte	PRCD	
MLKL.	5	1.89E-09	0.147013	0.058	0.025	2.83E-05	monocyte	MLKL	
SGOL2.	6	1.90E-09	-0.17402	0.037	0.095	2.84E-05	monocyte	SGOL2	
GLUL.	4	1.90E-09	0.247576	0.749	0.79	2.84E-05	monocyte	GLUL	
SYN1.	2	1.90E-09	-0.11986	0.002	0.04	2.85E-05	monocyte	SYN1	
TMEM115.	3	1.94E-09	-0.12071	0.125	0.215	2.90E-05	monocyte	TMEM115	
MAML1.	6	1.98E-09	0.41171	0.168	0.113	2.96E-05	monocyte	MAML1	
ZBED1.	4	2.00E-09	-0.15957	0.074	0.145	3.00E-05	monocyte	ZBED1	
TSHZ1.	5	2.01E-09	-0.13218	0.025	0.078	3.00E-05	monocyte	TSHZ1	
FAM124A.	3	2.04E-09	-0.13193	0.002	0.04	3.06E-05	monocyte	FAM124A	
CHST15.	3	2.10E-09	0.13217	0.075	0.036	3.14E-05	monocyte	CHST15	
FHIT.	4	2.14E-09	0.348738	0.173	0.111	3.20E-05	monocyte	FHIT	
GPC6.	4	2.16E-09	-0.11295	0.004	0.044	3.22E-05	monocyte	GPC6	
SERPINB6.	2.	2.1E-09	0.353883	0.495	0.476	3.31E-05	monocyte	SERPINB6	
BET1.	5	2.22E-09	-0.10216	0.137	0.229	3.32E-05	monocyte	BET1	
ARRDC1.	7	2.23E-09	0.325682	0.19	0.129	3.34E-05	monocyte	ARRDC1	
IL1ORB.	8	2.25E-09	0.403614	0.301	0.238	3.36E-05	monocyte	IL1ORB	
RP11-403I	2.	2.6E-09	0.301525	0.067	0.031	3.38E-05	monocyte	RP11-403I	13. 5
C11orf95.	2.	3.2E-09	-0.10038	0.005	0.046	3.47E-05	monocyte	C11orf95	
ZNF274.	4	2.33E-09	-0.14048	0.052	0.117	3.48E-05	monocyte	ZNF274	
ZSCAN30	2.	3.4E-09	-0.10089	0.014	0.06	3.50E-05	monocyte	ZSCAN30	
ZNF585A.	5	2.38E-09	-0.10392	0.016	0.064	3.55E-05	monocyte	ZNF585A	

SCN9A.5	2.39E-09	-0.13936	0.001	0.038	3.57E-05	monocyte	SCN9A
RNF220.4	2.44E-09	-0.11019	0.079	0.154	3.65E-05	monocyte	RNF220
EGLN1.3	2.45E-09	-0.11074	0.111	0.194	3.66E-05	monocyte	EGLN1
LINC01114	2.50E-09	-0.12296	0	0.036	3.73E-05	monocyte	LINC01114
BCL11B.5	2.50E-09	-0.14233	0	0.036	3.73E-05	monocyte	BCL11B
CRYZ.7	2.55E-09	-0.13047	0.061	0.129	3.81E-05	monocyte	CRYZ
AC005618.2	2.55E-09	-0.1272	0.005	0.046	3.81E-05	monocyte	AC005618.6
KRT7.4	2.56E-09	-0.14847	0.003	0.042	3.83E-05	monocyte	KRT7
SCARB1.3	2.60E-09	0.276023	0.16	0.103	3.88E-05	monocyte	SCARB1
PIP4K2C.5	2.70E-09	-0.16901	0.051	0.114	4.03E-05	monocyte	PIP4K2C
LINC00910	2.73E-09	-0.10527	0.028	0.083	4.07E-05	monocyte	LINC00910
RAPGEF5.6	2.74E-09	-0.21454	0.005	0.045	4.09E-05	monocyte	RAPGEF5
TNR.6	2.83E-09	-0.16006	0.013	0.059	4.23E-05	monocyte	TNR
PPP1R12B.2	2.86E-09	-0.12237	0.016	0.063	4.27E-05	monocyte	PPP1R12B
PLXNA3.4	2.86E-09	-0.14459	0.02	0.07	4.28E-05	monocyte	PLXNA3
SMAGP.1	2.86E-09	-0.139	0.033	0.09	4.28E-05	monocyte	SMAGP
TNFRSF10C.2	2.89E-09	0.10211	0.022	0.005	4.32E-05	monocyte	TNFRSF10C
OXNAD1.1	2.90E-09	-0.12041	0.022	0.073	4.33E-05	monocyte	OXNAD1
L1CAM.5	2.91E-09	-0.13757	0.001	0.038	4.34E-05	monocyte	L1CAM
SRGAP3.6	2.92E-09	-0.14211	0.078	0.151	4.36E-05	monocyte	SRGAP3
PTPN11.2	3.01E-09	-0.10395	0.08	0.154	4.49E-05	monocyte	PTPN11
PACRG.4	3.09E-09	-0.12619	0.002	0.04	4.61E-05	monocyte	PACRG
IGLON5.4	3.10E-09	-0.12561	0.008	0.051	4.63E-05	monocyte	IGLON5
NGRN.4	3.14E-09	-0.10266	0.029	0.084	4.69E-05	monocyte	NGRN
B3GALT2.3	3.15E-09	-0.1232	0.001	0.038	4.71E-05	monocyte	B3GALT2
NGFR.5	3.18E-09	-0.13278	0.002	0.04	4.75E-05	monocyte	NGFR
PRRG4.6	3.19E-09	0.210084	0.082	0.042	4.76E-05	monocyte	PRRG4
FOLR1.4	3.23E-09	-0.20484	0.001	0.037	4.83E-05	monocyte	FOLR1
ZFR2.5	3.25E-09	-0.13191	0.003	0.041	4.86E-05	monocyte	ZFR2
RHPN2.2	3.28E-09	-0.11103	0.003	0.042	4.89E-05	monocyte	RHPN2
STARD10.3	3.29E-09	-0.12428	0.028	0.082	4.91E-05	monocyte	STARD10
CAMKMT.5	3.43E-09	-0.10413	0.026	0.079	5.12E-05	monocyte	CAMKMT
TIMELESS.3	3.47E-09	-0.10598	0.018	0.066	5.18E-05	monocyte	TIMELESS
CLGN.3	3.54E-09	-0.11705	0.002	0.039	5.30E-05	monocyte	CLGN
HAAO.7	3.64E-09	0.115874	0.05	0.02	5.44E-05	monocyte	HAAO
NEU4.5	3.68E-09	-0.18192	0.019	0.067	5.50E-05	monocyte	NEU4
PINX1.2	3.74E-09	-0.10963	0.043	0.104	5.58E-05	monocyte	PINX1
SLC45A4.3	3.76E-09	0.124019	0.039	0.014	5.61E-05	monocyte	SLC45A4
COL8A2.2	3.79E-09	0.150201	0.05	0.021	5.67E-05	monocyte	COL8A2
UNC80.2	3.80E-09	-0.10074	0.004	0.043	5.69E-05	monocyte	UNC80
PLBD2.4	3.82E-09	0.124403	0.099	0.053	5.70E-05	monocyte	PLBD2
GPR84.8	3.86E-09	0.198593	0.122	0.069	5.77E-05	monocyte	GPR84
HELLS.3	3.88E-09	-0.13421	0.019	0.068	5.80E-05	monocyte	HELLS
APLN.4	4.06E-09	-0.14241	0	0.035	6.07E-05	monocyte	APLN
SBF2.2	4.11E-09	-0.13169	0.108	0.189	6.15E-05	monocyte	SBF2
RP11-930P	4.23E-09	0.129375	0.017	0.003	6.32E-05	monocyte	RP11-930P14.1
EMILIN3.3	4.27E-09	-0.10865	0	0.035	6.38E-05	monocyte	EMILIN3
NEUROD1.5	4.33E-09	-0.14514	0.003	0.041	6.47E-05	monocyte	NEUROD1
TSGA10.4	4.33E-09	-0.12308	0.018	0.066	6.47E-05	monocyte	TSGA10
HSBP1L1.5	4.52E-09	0.213375	0.12	0.07	6.76E-05	monocyte	HSBP1L1
AC084219.4	4.57E-09	-0.1061	0.002	0.039	6.83E-05	monocyte	AC084219.4

PLEKHA8.3	4.69E-09	-0.11055	0.019	0.067	7.01E-05	monocyte	PLEKHA8
MYBL2.6	4.71E-09	-0.10476	0.007	0.048	7.03E-05	monocyte	MYBL2
COCH.3	4.73E-09	-0.13545	0.002	0.039	7.06E-05	monocyte	COCH
HOTAIRM1.4	4.83E-09	-0.22233	0.113	0.188	7.22E-05	monocyte	HOTAIRM1
TCEAL6.4	4.90E-09	-0.15815	0.002	0.039	7.33E-05	monocyte	TCEAL6
WIPI1.6	4.91E-09	0.420952	0.244	0.18	7.34E-05	monocyte	WIPI1
RP11-455F	4.96E-09	-0.1072	0.001	0.037	7.41E-05	monocyte	RP11-455F5.3
CXCR4.6	5.08E-09	0.411927	0.442	0.384	7.59E-05	monocyte	CXCR4
CAAP1.1	5.09E-09	-0.10037	0.037	0.094	7.60E-05	monocyte	CAAP1
EEPDI.5	5.09E-09	0.175137	0.118	0.068	7.61E-05	monocyte	EEPDI
STC2.3	5.17E-09	-0.15942	0.005	0.045	7.72E-05	monocyte	STC2
RARA.3	5.20E-09	-0.12229	0.042	0.101	7.78E-05	monocyte	RARA
TAP1.3	5.24E-09	-0.11642	0.165	0.261	7.83E-05	monocyte	TAP1
HAUS6.3	5.24E-09	-0.11958	0.037	0.094	7.83E-05	monocyte	HAUS6
IFIT1.4	5.36E-09	0.452855	0.117	0.069	8.01E-05	monocyte	IFIT1
HJURP.6	5.41E-09	-0.12928	0.004	0.042	8.08E-05	monocyte	HJURP
C5orf38.2	5.44E-09	-0.11431	0	0.034	8.13E-05	monocyte	C5orf38
DIO2.3	5.52E-09	-0.14911	0.002	0.038	8.25E-05	monocyte	DIO2
KLF15.3	5.54E-09	-0.10842	0.004	0.042	8.28E-05	monocyte	KLF15
SLC35F5.2	5.58E-09	-0.10712	0.074	0.145	8.33E-05	monocyte	SLC35F5
SOWAHC.4	5.60E-09	-0.11207	0.022	0.072	8.37E-05	monocyte	SOWAHC
EHD4.8	5.61E-09	0.204803	0.142	0.087	8.38E-05	monocyte	EHD4
JAKMIP1.3	5.71E-09	-0.12105	0	0.034	8.54E-05	monocyte	JAKMIP1
ARHGAP26.5	5.71E-09	0.223225	0.143	0.087	8.54E-05	monocyte	ARHGAP26
INHBB.2	6.30E-09	-0.10706	0	0.034	9.41E-05	monocyte	INHBB
DLGAP5.7	6.33E-09	-0.11696	0.002	0.038	9.45E-05	monocyte	DLGAP5
CHD3.4	6.50E-09	-0.12296	0.056	0.121	9.72E-05	monocyte	CHD3
BCAS1.4	6.54E-09	-0.20494	0.006	0.046	9.77E-05	monocyte	BCAS1
SLC04A1.4	6.56E-09	-0.12823	0.002	0.038	9.80E-05	monocyte	SLC04A1
KIFC1.6	6.62E-09	-0.11296	0.017	0.063	9.89E-05	monocyte	KIFC1
PHF1.4	6.64E-09	-0.11968	0.098	0.176	9.93E-05	monocyte	PHF1
APOBEC3C.6	6.72E-09	0.288046	0.184	0.123	0.0001	monocyte	APOBEC3C
RP11-315A	6.76E-09	-0.10218	0.002	0.038	0.000101	monocyte	RP11-315A16.1
ORC5.6	6.87E-09	-0.14316	0.045	0.104	0.000103	monocyte	ORC5
UIMC1.2	6.89E-09	-0.1014	0.051	0.114	0.000103	monocyte	UIMC1
SNRPN.8	6.94E-09	-0.10631	0.044	0.103	0.000104	monocyte	SNRPN
PCP4.6	6.94E-09	-0.19503	0.004	0.042	0.000104	monocyte	PCP4
RRAGC.3	6.95E-09	-0.11279	0.16	0.254	0.000104	monocyte	RRAGC
MYT1.6	7.06E-09	-0.12356	0.004	0.042	0.000106	monocyte	MYT1
ZBTB7A.3	7.14E-09	-0.113	0.104	0.185	0.000107	monocyte	ZBTB7A
ST6GAL2.5	7.14E-09	-0.10986	0.003	0.04	0.000107	monocyte	ST6GAL2
CNTN1.2	7.16E-09	-0.12861	0.004	0.042	0.000107	monocyte	CNTN1
C10orf35.7	7.25E-09	-0.12357	0.016	0.061	0.000108	monocyte	C10orf35
GPR153.1	7.29E-09	-0.10027	0.004	0.042	0.000109	monocyte	GPR153
AGPAT2.8	7.35E-09	0.324009	0.234	0.174	0.00011	monocyte	AGPAT2
WASF2.7	7.39E-09	0.393112	0.465	0.436	0.00011	monocyte	WASF2
TSPAN14.4	7.51E-09	0.322801	0.271	0.207	0.000112	monocyte	TSPAN14
WDR81.2	7.56E-09	0.149416	0.084	0.043	0.000113	monocyte	WDR81
CEP57L1.6	7.56E-09	0.11378	0.051	0.116	0.000113	monocyte	CEP57L1
SDCBP2.3	7.64E-09	-0.12087	0.007	0.047	0.000114	monocyte	SDCBP2
TMEM64.2	7.71E-09	-0.10408	0.02	0.068	0.000115	monocyte	TMEM64

RFWD2.4	7.99E-09	-0.10425	0.095	0.171	0.000119	monocyte	RFWD2
ZNF573.5	8.09E-09	-0.10658	0.02	0.068	0.000121	monocyte	ZNF573
ECHDC2.4	8.16E-09	-0.12005	0.113	0.195	0.000122	monocyte	ECHDC2
DICER1-AS	8.27E-09	-0.14623	0.014	0.057	0.000124	monocyte	DICER1-AS1
CCHCR1.1	8.55E-09	-0.11983	0.028	0.08	0.000128	monocyte	CCHCR1
TRNAU1AP.	8.69E-09	-0.10765	0.124	0.209	0.00013	monocyte	TRNAU1AP
CLVS1.4	8.85E-09	-0.12465	0	0.033	0.000132	monocyte	CLVS1
ANGPTL6.1	8.90E-09	0.117154	0.033	0.011	0.000133	monocyte	ANGPTL6
SETMAR.3	8.94E-09	-0.12917	0.015	0.059	0.000134	monocyte	SETMAR
ZFP14.6	8.97E-09	-0.1018	0.053	0.117	0.000134	monocyte	ZFP14
TFAP2A.5	9.04E-09	-0.12529	0.003	0.04	0.000135	monocyte	TFAP2A
NENF.4	9.06E-09	-0.13519	0.365	0.505	0.000135	monocyte	NENF
ZHX2	9.21E-09	-0.13145	0.011	0.054	0.000138	monocyte	ZHX2
ADAMTS1.1	9.75E-09	-0.1045	0	0.033	0.000146	monocyte	ADAMTS1
GALNT13.4	9.82E-09	-0.11599	0.007	0.047	0.000147	monocyte	GALNT13
PRKAB2.3	1.00E-08	-0.10439	0.018	0.064	0.00015	monocyte	PRKAB2
METTL7A.4	1.01E-08	0.311867	0.281	0.215	0.00015	monocyte	METTL7A
ZNF212.5	1.01E-08	-0.10186	0.023	0.072	0.000151	monocyte	ZNF212
METTL21B.	1.01E-08	-0.1173	0.021	0.069	0.000151	monocyte	METTL21B
PTCD1	1.02E-08	-0.12476	0.032	0.086	0.000152	monocyte	PTCD1
MGA.1	1.03E-08	-0.10696	0.046	0.106	0.000153	monocyte	MGA
UBQLN4.3	1.03E-08	-0.10817	0.047	0.107	0.000154	monocyte	UBQLN4
SPC24.7	1.04E-08	-0.10762	0.01	0.052	0.000155	monocyte	SPC24
SLC22A18.	1.05E-08	0.264659	0.176	0.119	0.000156	monocyte	SLC22A18
ZNF415.1	1.05E-08	-0.11304	0.001	0.035	0.000157	monocyte	ZNF415
COQ2.7	1.06E-08	0.347758	0.233	0.175	0.000158	monocyte	COQ2
LINC-PINT	1.11E-08	-0.10499	0.05	0.111	0.000166	monocyte	LINC-PINT
SPIRE1.3	1.11E-08	-0.10106	0.044	0.103	0.000167	monocyte	SPIRE1
MAP2K5.1	1.12E-08	-0.10343	0.042	0.099	0.000167	monocyte	MAP2K5
LINC00882	1.24E-08	-0.13558	0	0.033	0.000186	monocyte	LINC00882
APOLD1.3	1.28E-08	-0.10146	0.01	0.052	0.000191	monocyte	APOLD1
SLC25A19.	1.29E-08	0.349766	0.229	0.163	0.000193	monocyte	SLC25A19
BST1.3	1.30E-08	0.116596	0.071	0.035	0.000194	monocyte	BST1
MAL.7	1.30E-08	-0.25551	0.005	0.042	0.000195	monocyte	MAL
MSRA.6	1.31E-08	-0.114	0.171	0.264	0.000195	monocyte	MSRA
S1PR3.1	1.31E-08	-0.14153	0.011	0.054	0.000196	monocyte	S1PR3
ECT2.6	1.32E-08	-0.12738	0.011	0.053	0.000197	monocyte	ECT2
CNTN2.5	1.34E-08	-0.2611	0.006	0.044	0.0002	monocyte	CNTN2
LOX.5	1.37E-08	-0.15825	0.008	0.048	0.000205	monocyte	LOX
IL33.6	1.41E-08	-0.10981	0.008	0.048	0.000211	monocyte	IL33
CRTC3.2	1.44E-08	-0.10948	0.058	0.121	0.000215	monocyte	CRTC3
ORAI3.6	1.46E-08	0.282626	0.194	0.137	0.000218	monocyte	ORAI3
CMPK2.4	1.47E-08	0.229876	0.096	0.053	0.000219	monocyte	CMPK2
MYH9.8	1.47E-08	0.276539	0.246	0.183	0.000219	monocyte	MYH9
CDC37L1.6	1.51E-08	-0.11321	0.076	0.144	0.000225	monocyte	CDC37L1
MIR22HG.6	1.53E-08	-0.11064	0.056	0.118	0.000229	monocyte	MIR22HG
C10orf128	1.60E-08	0.176523	0.061	0.028	0.000239	monocyte	C10orf128
GCC1.3	1.65E-08	-0.10397	0.025	0.074	0.000246	monocyte	GCC1
G2E3.1	1.66E-08	-0.11544	0.049	0.109	0.000247	monocyte	G2E3
APCDD1.1	1.67E-08	-0.11144	0.003	0.038	0.00025	monocyte	APCDD1
NR4A2.8	1.67E-08	-0.1105	0.178	0.258	0.00025	monocyte	NR4A2

NEAT1.5	1.69E-08	0.233248	0.797	0.76	0.000253	monocyte	NEAT1
ZNF536.6	1.71E-08	-0.1352	0.007	0.046	0.000256	monocyte	ZNF536
YARS2.1	1.74E-08	-0.11492	0.05	0.11	0.00026	monocyte	YARS2
SPAG4.4	1.78E-08	-0.18009	0.01	0.051	0.000266	monocyte	SPAG4
RNF166.5	1.84E-08	0.336537	0.239	0.18	0.000275	monocyte	RNF166
RP11-84C1	1.89E-08	0.232966	0.042	0.016	0.000283	monocyte	RP11-84C10.2
MKNK2.2	1.92E-08	-0.1042	0.114	0.191	0.000286	monocyte	MKNK2
GALNT15.4	1.94E-08	-0.15154	0.005	0.042	0.00029	monocyte	GALNT15
CLDN11.6	2.02E-08	-0.27744	0.009	0.049	0.000302	monocyte	CLDN11
TULP4.7	2.03E-08	-0.11165	0.079	0.148	0.000303	monocyte	TULP4
ABCA5.4	2.08E-08	-0.11766	0.038	0.091	0.000311	monocyte	ABCA5
SCN2A.4	2.12E-08	-0.11568	0	0.032	0.000317	monocyte	SCN2A
RP11-111M	2.14E-08	-0.10232	0.007	0.046	0.000319	monocyte	RP11-111M22.2
FBXL15.7	2.14E-08	0.303371	0.251	0.19	0.00032	monocyte	FBXL15
COL4A5.3	2.18E-08	-0.10885	0.001	0.034	0.000327	monocyte	COL4A5
RP11-676J	2.19E-08	-0.11633	0.001	0.034	0.000328	monocyte	RP11-676J15.1
TAGLN.5	2.25E-08	-0.29935	0.026	0.074	0.000336	monocyte	TAGLN
ZNF529.4	2.25E-08	-0.10297	0.018	0.063	0.000337	monocyte	ZNF529
SRRM4.5	2.29E-08	-0.12381	0.001	0.034	0.000343	monocyte	SRRM4
CEP19.6	2.35E-08	-0.11796	0.03	0.081	0.000352	monocyte	CEP19
ACSL6.2	2.36E-08	-0.12144	0.01	0.051	0.000353	monocyte	ACSL6
MAST1.1	2.40E-08	-0.10418	0.009	0.049	0.000359	monocyte	MAST1
GPR132.5	2.43E-08	0.114872	0.061	0.028	0.000363	monocyte	GPR132
KLK6.6	2.46E-08	-0.27551	0.001	0.034	0.000368	monocyte	KLK6
UNC13D.7	2.60E-08	0.152075	0.086	0.045	0.000388	monocyte	UNC13D
PLXNA2.2	2.66E-08	-0.10651	0.011	0.052	0.000398	monocyte	PLXNA2
SRCIN1.6	2.69E-08	-0.13924	0.001	0.033	0.000402	monocyte	SRCIN1
BEX5.6	2.73E-08	-0.20871	0.046	0.101	0.000408	monocyte	BEX5
ATG2A.2	2.76E-08	-0.12774	0.029	0.079	0.000413	monocyte	ATG2A
PYGL.7	2.78E-08	0.332857	0.251	0.187	0.000415	monocyte	PYGL
C4orf47.2	2.80E-08	-0.11124	0.001	0.033	0.000419	monocyte	C4orf47
DOCK1.2	2.81E-08	-0.10551	0.014	0.055	0.00042	monocyte	DOCK1
MROH8.2	2.89E-08	-0.12838	0.005	0.041	0.000431	monocyte	MROH8
KIAA0930.	3.02E-08	0.240225	0.199	0.14	0.000451	monocyte	KIAA0930
KIF23.5	3.10E-08	-0.10326	0.006	0.043	0.000463	monocyte	KIF23
SLC17A9.7	3.26E-08	0.128628	0.058	0.027	0.000487	monocyte	SLC17A9
WFDC2.4	3.41E-08	-0.10821	0.001	0.033	0.00051	monocyte	WFDC2
KCNMB2.3	3.46E-08	-0.10858	0.002	0.035	0.000517	monocyte	KCNMB2
HOXB2.5	3.62E-08	-0.13324	0.037	0.088	0.000541	monocyte	HOXB2
ITPR1.3	3.63E-08	0.131174	0.066	0.032	0.000543	monocyte	ITPR1
RASL11B.7	3.68E-08	-0.18865	0.016	0.057	0.00055	monocyte	RASL11B
NSUN6.2	3.73E-08	-0.10133	0.029	0.079	0.000557	monocyte	NSUN6
DMXL2.5	3.82E-08	0.141087	0.126	0.077	0.000571	monocyte	DMXL2
DRAM1.5	3.88E-08	0.172294	0.116	0.07	0.00058	monocyte	DRAM1
CREB3L2.7	3.88E-08	0.236681	0.175	0.119	0.00058	monocyte	CREB3L2
NBEA.4	3.96E-08	-0.10315	0.013	0.053	0.000592	monocyte	NBEA
MITF.7	3.98E-08	0.285954	0.142	0.089	0.000595	monocyte	MITF
SLC5A6.1	4.16E-08	-0.10237	0.052	0.111	0.000622	monocyte	SLC5A6
LHX1.4	4.20E-08	-0.1158	0.001	0.033	0.000627	monocyte	LHX1
SIK1.7	4.29E-08	-0.16447	0.049	0.105	0.000641	monocyte	SIK1
CDK18.5	4.32E-08	-0.19135	0.032	0.082	0.000646	monocyte	CDK18

ABHD12.5	4.36E-08	0.33933	0.392	0.38	0.000652	monocyte	ABHD12
ADAT1.2	4.49E-08	-0.10388	0.053	0.112	0.00067	monocyte	ADAT1
PCSK1.5	4.52E-08	-0.1418	0.003	0.036	0.000676	monocyte	PCSK1
CTDSP2.4	4.52E-08	-0.11547	0.193	0.284	0.000676	monocyte	CTDSP2
SLC25A45.4	4.56E-08	0.226315	0.08	0.043	0.000682	monocyte	SLC25A45
ANTXR2.2	4.94E-08	-0.10837	0.017	0.059	0.000739	monocyte	ANTXR2
RP11-483F	5.07E-08	0.103711	0.021	0.006	0.000758	monocyte	RP11-483P21.2
ACSL1.8	5.08E-08	0.345526	0.29	0.222	0.000759	monocyte	ACSL1
HOXA-AS2.5	5.35E-08	-0.12891	0.005	0.04	0.000799	monocyte	HOXA-AS2
SESN2.5	5.40E-08	-0.13658	0.052	0.109	0.000806	monocyte	SESN2
SLC8B1.8	5.50E-08	0.19326	0.145	0.093	0.000823	monocyte	SLC8B1
SERGEF.3	5.56E-08	-0.11626	0.1	0.174	0.000831	monocyte	SERGEF
FAM222A.3	5.89E-08	-0.10243	0.001	0.032	0.00088	monocyte	FAM222A
RP3-508I1	6.08E-08	-0.10374	0.001	0.032	0.000909	monocyte	RP3-508I15.14
PRDM8.3	6.17E-08	-0.10581	0.001	0.032	0.000923	monocyte	PRDM8
HOXA9.4	6.40E-08	-0.12087	0.004	0.037	0.000956	monocyte	HOXA9
IFIT2.5	6.53E-08	0.363491	0.124	0.078	0.000976	monocyte	IFIT2
ZCCHC12.1	6.64E-08	-0.11621	0.001	0.032	0.000992	monocyte	ZCCHC12
WBP1L.7	6.80E-08	0.236163	0.159	0.105	0.001016	monocyte	WBP1L
HAUS4.8	6.81E-08	0.168788	0.101	0.058	0.001017	monocyte	HAUS4
LACTB.8	6.86E-08	0.280067	0.22	0.161	0.001025	monocyte	LACTB
SPOCK3.5	6.92E-08	-0.21735	0.003	0.036	0.001034	monocyte	SPOCK3
SNCB.2	7.03E-08	-0.10972	0.002	0.034	0.00105	monocyte	SNCB
ATP6AP1L.7	7.12E-08	-0.11116	0.01	0.048	0.001064	monocyte	ATP6AP1L
PICALM.8	7.39E-08	0.315862	0.33	0.277	0.001104	monocyte	PICALM
SLFN11.5	7.56E-08	0.183727	0.076	0.04	0.00113	monocyte	SLFN11
CAMKK2.2	7.69E-08	-0.10665	0.027	0.074	0.001149	monocyte	CAMKK2
ATP6V1F.4	7.79E-08	0.269736	0.725	0.808	0.001165	monocyte	ATP6V1F
CDK5RAP2.7	7.88E-08	-0.11147	0.058	0.118	0.001177	monocyte	CDK5RAP2
KIF2C.6	7.89E-08	-0.11105	0.009	0.046	0.00118	monocyte	KIF2C
SPNS3.5	7.91E-08	0.157742	0.048	0.021	0.001182	monocyte	SPNS3
TSEN54.3	8.42E-08	-0.11894	0.061	0.12	0.001259	monocyte	TSEN54
WNT3.3	8.45E-08	-0.10027	0.001	0.031	0.001262	monocyte	WNT3
AC114730.8	8.74E-08	-0.13987	0.001	0.031	0.001306	monocyte	AC114730.3
SFRP4.4	9.15E-08	-0.11598	0.018	0.06	0.001367	monocyte	SFRP4
RP11-445F	9.53E-08	-0.12498	0.001	0.031	0.001424	monocyte	RP11-445F12.1
AGAP2.5	9.79E-08	-0.12409	0.018	0.059	0.001463	monocyte	AGAP2
FKBP15.7	9.91E-08	0.347233	0.187	0.134	0.001481	monocyte	FKBP15
FBXL2.1	9.98E-08	-0.10619	0.004	0.037	0.001491	monocyte	FBXL2
SRGAP2.5	1.01E-07	0.386921	0.278	0.229	0.001514	monocyte	SRGAP2
OSGEPL1.3	1.03E-07	-0.10409	0.026	0.072	0.001535	monocyte	OSGEPL1
RPH3A.3	1.03E-07	-0.10928	0.003	0.035	0.001545	monocyte	RPH3A
AC016700.1	1.04E-07	-0.10937	0.003	0.035	0.001562	monocyte	AC016700.5
NAF1.5	1.06E-07	-0.1332	0.057	0.114	0.001586	monocyte	NAF1
CRIP1.6	1.08E-07	-0.22092	0.007	0.042	0.001614	monocyte	CRIP1
GDF15.7	1.08E-07	-0.21931	0.028	0.074	0.00162	monocyte	GDF15
RALYL.3	1.09E-07	-0.10182	0.002	0.033	0.001632	monocyte	RALYL
ZFPM2.3	1.11E-07	-0.11336	0.001	0.031	0.001652	monocyte	ZFPM2
CAMK2G.2	1.11E-07	-0.14145	0.05	0.105	0.001653	monocyte	CAMK2G
ST14.8	1.11E-07	0.183835	0.115	0.069	0.001666	monocyte	ST14
UNC5B.7	1.15E-07	0.207372	0.128	0.08	0.001723	monocyte	UNC5B



FSD1L. 4	1. 15E-07	-0. 11128	0. 015	0. 054	0. 001724	monocyte	FSD1L
PIK3CD. 5	1. 16E-07	0. 197687	0. 058	0. 028	0. 001729	monocyte	PIK3CD
TXNIP. 4	1. 18E-07	0. 273855	0. 482	0. 443	0. 00176	monocyte	TXNIP
VASH1. 5	1. 21E-07	0. 29312	0. 178	0. 125	0. 001812	monocyte	VASH1
KLHL6. 7	1. 23E-07	0. 193521	0. 087	0. 047	0. 001835	monocyte	KLHL6
IL15. 6	1. 24E-07	0. 189098	0. 068	0. 034	0. 001847	monocyte	IL15
NDUFA7. 6	1. 27E-07	-0. 18787	0. 009	0. 046	0. 001891	monocyte	NDUFA7
AHR. 7	1. 27E-07	0. 135115	0. 102	0. 059	0. 001905	monocyte	AHR
MYBPC1. 5	1. 31E-07	-0. 1458	0. 01	0. 047	0. 001955	monocyte	MYBPC1
INSIG2. 1	1. 31E-07	-0. 1021	0. 132	0. 209	0. 001962	monocyte	INSIG2
MOB3B. 5	1. 32E-07	-0. 1788	0. 047	0. 098	0. 001965	monocyte	MOB3B
NUPR1. 6	1. 33E-07	0. 35441	0. 371	0. 32	0. 001986	monocyte	NUPR1
NOP10. 8	1. 34E-07	0. 310035	0. 585	0. 608	0. 002	monocyte	NOP10
C6orf141. 1	1. 35E-07	-0. 1178	0. 002	0. 032	0. 002018	monocyte	C6orf141
WIPF1. 8	1. 40E-07	0. 356287	0. 273	0. 215	0. 002099	monocyte	WIPF1
CA10. 4	1. 41E-07	-0. 1224	0. 003	0. 034	0. 002102	monocyte	CA10
C1orf53. 4	1. 41E-07	-0. 11636	0. 038	0. 087	0. 002104	monocyte	C1orf53
RNU12. 4	1. 48E-07	0. 332695	0. 068	0. 035	0. 002205	monocyte	RNU12
GALM. 7	1. 48E-07	0. 286536	0. 174	0. 12	0. 002211	monocyte	GALM
SASS6. 2	1. 51E-07	-0. 10867	0. 022	0. 065	0. 002256	monocyte	SASS6
CTD-2035E	1. 51E-07	-0. 10059	0. 006	0. 04	0. 002257	monocyte	CTD-2035E11. 3
ITPR2. 6	1. 54E-07	0. 317445	0. 178	0. 127	0. 002304	monocyte	ITPR2
RSPH1. 2	1. 54E-07	-0. 11317	0	0. 028	0. 002308	monocyte	RSPH1
PIM1. 3	1. 59E-07	0. 245877	0. 183	0. 125	0. 002371	monocyte	PIM1
AVIL. 6	1. 61E-07	-0. 16195	0. 043	0. 093	0. 002404	monocyte	AVIL
ATXN1. 3	1. 62E-07	-0. 11774	0. 099	0. 169	0. 002427	monocyte	ATXN1
ZNF548. 3	1. 63E-07	-0. 11123	0. 027	0. 072	0. 002432	monocyte	ZNF548
SEMA4D. 7	1. 67E-07	0. 214275	0. 123	0. 077	0. 002496	monocyte	SEMA4D
NDST1. 3	1. 69E-07	-0. 11874	0. 041	0. 091	0. 002519	monocyte	NDST1
NEUROD2. 4	1. 73E-07	-0. 1144	0. 002	0. 032	0. 002584	monocyte	NEUROD2
ICAM2. 7	1. 74E-07	0. 20572	0. 064	0. 032	0. 002602	monocyte	ICAM2
ACHE. 5	1. 74E-07	-0. 10536	0. 01	0. 046	0. 002607	monocyte	ACHE
ELF1. 8	1. 76E-07	0. 351941	0. 302	0. 239	0. 002631	monocyte	ELF1
ZNF134. 1	1. 76E-07	-0. 11028	0. 033	0. 081	0. 002634	monocyte	ZNF134
THSD4. 3	1. 79E-07	-0. 10972	0	0. 028	0. 002668	monocyte	THSD4
TANGO2. 8	1. 82E-07	0. 269758	0. 127	0. 082	0. 002716	monocyte	TANGO2
KIAA1107. 1	1. 83E-07	-0. 12933	0. 01	0. 046	0. 00274	monocyte	KIAA1107
RNF19B. 3	1. 86E-07	0. 113942	0. 088	0. 049	0. 002777	monocyte	RNF19B
FGD4. 7	1. 86E-07	0. 288591	0. 198	0. 142	0. 002784	monocyte	FGD4
ERMN. 6	1. 89E-07	-0. 34629	0. 007	0. 041	0. 002826	monocyte	ERMN
ARPC4. 8	1. 90E-07	0. 3398	0. 502	0. 515	0. 002832	monocyte	ARPC4
ATP6AP1. 6	1. 90E-07	0. 269609	0. 486	0. 493	0. 002847	monocyte	ATP6AP1
ZMIZ2. 5	1. 92E-07	-0. 12229	0. 05	0. 103	0. 002868	monocyte	ZMIZ2
PI3. 4	1. 97E-07	-0. 35982	0. 017	0. 056	0. 002938	monocyte	PI3
FBR1. 1	1. 98E-07	-0. 10808	0. 061	0. 118	0. 002956	monocyte	FBR1
CA3. 4	1. 98E-07	-0. 22736	0. 008	0. 043	0. 002965	monocyte	CA3
PLAU. 8	2. 07E-07	0. 257289	0. 214	0. 159	0. 003091	monocyte	PLAU
DGKB. 2	2. 09E-07	-0. 10061	0. 004	0. 036	0. 003124	monocyte	DGKB
PAXIP1	2. 10E-07	-0. 1063	0. 017	0. 056	0. 003145	monocyte	PAXIP1
IPO13. 4	2. 13E-07	-0. 12746	0. 056	0. 112	0. 003183	monocyte	IPO13
OXA1L. 7	2. 14E-07	0. 398802	0. 347	0. 297	0. 003201	monocyte	OXA1L

SETD7.3	2.16E-07	-0.12094	0.053	0.107	0.003225	monocyte	SETD7
FBLN5.3	2.17E-07	-0.17135	0.008	0.043	0.00324	monocyte	FBLN5
ZDHHC2.2	2.18E-07	0.143348	0.102	0.06	0.003256	monocyte	ZDHHC2
TFAP2B.4	2.19E-07	-0.1095	0.002	0.031	0.003273	monocyte	TFAP2B
PCSK2.4	2.22E-07	-0.11642	0.001	0.029	0.003322	monocyte	PCSK2
FA2H.5	2.23E-07	-0.14944	0.001	0.029	0.003334	monocyte	FA2H
HNRNPU-AS	2.24E-07	-0.10214	0.049	0.103	0.003346	monocyte	HNRNPU-AS1
MMP14.6	2.33E-07	0.307671	0.269	0.218	0.003477	monocyte	MMP14
EHBP1L1.7	2.34E-07	0.194306	0.11	0.067	0.003493	monocyte	EHBP1L1
IFI27.3	2.47E-07	0.416648	0.158	0.109	0.003684	monocyte	IFI27
SLC2A3.7	2.53E-07	-0.11737	0.183	0.261	0.003777	monocyte	SLC2A3
ATP1B1.6	2.56E-07	-0.16985	0.168	0.24	0.003826	monocyte	ATP1B1
ZNF431	2.56E-07	-0.10178	0.039	0.088	0.003829	monocyte	ZNF431
ANGEL2.1	2.56E-07	-0.1008	0.061	0.118	0.003833	monocyte	ANGEL2
SCNN1A.2	2.61E-07	-0.18101	0.016	0.054	0.003898	monocyte	SCNN1A
MAP4K1.6	2.71E-07	0.131762	0.056	0.027	0.00405	monocyte	MAP4K1
PPP2R1B	2.76E-07	-0.10143	0.028	0.073	0.004121	monocyte	PPP2R1B
ZNF219	2.84E-07	-0.1043	0.026	0.069	0.004239	monocyte	ZNF219
MIF4GD.6	2.85E-07	0.376311	0.295	0.248	0.004263	monocyte	MIF4GD
NCEH1.6	2.89E-07	0.185083	0.106	0.065	0.004317	monocyte	NCEH1
CALHM2.6	3.03E-07	0.172109	0.097	0.057	0.004523	monocyte	CALHM2
ZNRF2.1	3.05E-07	0.146655	0.055	0.027	0.004553	monocyte	ZNRF2
SLC43A2.7	3.06E-07	0.378953	0.292	0.241	0.004574	monocyte	SLC43A2
ARPC5.7	3.18E-07	0.24569	0.621	0.677	0.004759	monocyte	ARPC5
TJP2.3	3.25E-07	-0.11576	0.018	0.056	0.004864	monocyte	TJP2
IFIT3.6	3.33E-07	0.396622	0.152	0.104	0.004976	monocyte	IFIT3
JDP2.8	3.42E-07	0.215197	0.111	0.067	0.005116	monocyte	JDP2
ORMDL2.6	3.67E-07	0.356576	0.322	0.268	0.005483	monocyte	ORMDL2
ANGPT2.3	3.69E-07	-0.13059	0.013	0.048	0.005511	monocyte	ANGPT2
IFI6.5	3.86E-07	0.36877	0.427	0.405	0.005773	monocyte	IFI6
RREB1.8	4.00E-07	0.216393	0.111	0.068	0.00598	monocyte	RREB1
SERINC2.4	4.12E-07	-0.11531	0.068	0.125	0.006158	monocyte	SERINC2
S100Z.2	4.12E-07	0.162137	0.029	0.011	0.006161	monocyte	S100Z
GNG10.4	4.15E-07	0.391378	0.113	0.07	0.006199	monocyte	GNG10
ATG7.5	4.27E-07	0.299731	0.156	0.107	0.006377	monocyte	ATG7
CCDC151.5	4.47E-07	0.161114	0.1	0.059	0.006683	monocyte	CCDC151
SLC24A2.6	4.49E-07	-0.11769	0.004	0.034	0.006711	monocyte	SLC24A2
C12orf75.4	4.60E-07	0.470862	0.233	0.189	0.006868	monocyte	C12orf75
TRIM14.5	4.72E-07	0.262949	0.133	0.089	0.007056	monocyte	TRIM14
MTF1.1	4.80E-07	-0.10626	0.058	0.113	0.007167	monocyte	MTF1
TTC7A.8	4.89E-07	0.194977	0.115	0.071	0.007302	monocyte	TTC7A
SERAC1.1	5.02E-07	-0.10718	0.025	0.067	0.007503	monocyte	SERAC1
RELT.7	5.29E-07	0.167395	0.126	0.081	0.007905	monocyte	RELT
SYNDIG1.6	5.35E-07	0.36302	0.128	0.086	0.007991	monocyte	SYNDIG1
TMEM220.6	5.51E-07	0.24052	0.106	0.066	0.008239	monocyte	TMEM220
FABP5.6	5.86E-07	-0.25932	0.323	0.398	0.008761	monocyte	FABP5
ZNF277.2	5.94E-07	0.419058	0.215	0.169	0.008883	monocyte	ZNF277
PERP.2	6.04E-07	-0.10235	0.007	0.039	0.009021	monocyte	PERP
HAPLN2.6	6.09E-07	-0.16289	0.005	0.035	0.009097	monocyte	HAPLN2
APOL4.4	6.49E-07	-0.12214	0.011	0.046	0.009692	monocyte	APOL4
KCNQ3.3	6.58E-07	0.163491	0.072	0.039	0.00984	monocyte	KCNQ3

C7orf61.2	6.95E-07	-0.10728	0.005	0.035	0.010392	monocyte	C7orf61
CCL20.7	7.16E-07	-0.1747	0.024	0.064	0.010703	monocyte	CCL20
TWF2.8	7.30E-07	0.342596	0.375	0.338	0.01091	monocyte	TWF2
RP11-452F	7.42E-07	0.328012	0.173	0.123	0.011085	monocyte	RP11-452F19.3
AK5.3	7.50E-07	-0.12963	0.001	0.027	0.011211	monocyte	AK5
DGCR5.4	7.73E-07	-0.10592	0.003	0.031	0.011551	monocyte	DGCR5
CYB5R2.3	7.82E-07	-0.11283	0.004	0.033	0.011683	monocyte	CYB5R2
CASP8.7	8.03E-07	0.161962	0.079	0.045	0.012002	monocyte	CASP8
DTX2.4	8.37E-07	0.178134	0.098	0.059	0.012508	monocyte	DTX2
NUDT18.1	8.62E-07	0.157532	0.067	0.036	0.012877	monocyte	NUDT18
FAM107A.3	8.66E-07	-0.14314	0.015	0.05	0.012944	monocyte	FAM107A
CARNS1.6	8.91E-07	-0.22481	0.003	0.031	0.013318	monocyte	CARNS1
STAT5B.1	8.94E-07	-0.10082	0.035	0.08	0.013358	monocyte	STAT5B
PPP1R1C.5	8.96E-07	-0.11525	0.002	0.029	0.013392	monocyte	PPP1R1C
MTRNR2L12	8.98E-07	0.637914	0.241	0.192	0.013419	monocyte	MTRNR2L12
IPCEF1.4	9.18E-07	0.17051	0.044	0.02	0.013712	monocyte	IPCEF1
DSCR3.2	9.21E-07	-0.12788	0.105	0.17	0.013765	monocyte	DSCR3
CELF2.8	9.36E-07	0.370503	0.41	0.381	0.013982	monocyte	CELF2
PNPLA4.5	9.56E-07	0.260244	0.099	0.059	0.014282	monocyte	PNPLA4
CLMN.2	9.80E-07	-0.11643	0.01	0.043	0.014642	monocyte	CLMN
DEDD2.3	1.02E-06	-0.11602	0.113	0.177	0.015238	monocyte	DEDD2
ACTR2.8	1.08E-06	0.36049	0.458	0.459	0.016143	monocyte	ACTR2
PRR5.7	1.09E-06	0.202375	0.078	0.044	0.016252	monocyte	PRR5
C16orf86.	1.09E-06	0.175739	0.067	0.036	0.016341	monocyte	C16orf86
RAMP3.4	1.11E-06	-0.12764	0.002	0.028	0.016584	monocyte	RAMP3
NUP214.7	1.11E-06	0.49503	0.24	0.191	0.016585	monocyte	NUP214
CSGALNACT1	1.14E-06	0.240273	0.112	0.071	0.017078	monocyte	CSGALNACT1
C6orf15.5	1.15E-06	-0.15078	0.003	0.03	0.017193	monocyte	C6orf15
CLN6.6	1.19E-06	0.243487	0.173	0.126	0.017832	monocyte	CLN6
APIG2.6	1.21E-06	0.219795	0.084	0.048	0.018022	monocyte	APIG2
F13A1.5	1.27E-06	0.269737	0.213	0.154	0.018997	monocyte	F13A1
MAPT-AS1.	1.29E-06	-0.10636	0	0.024	0.019331	monocyte	MAPT-AS1
ST3GAL1.7	1.38E-06	0.147178	0.148	0.098	0.020655	monocyte	ST3GAL1
IFITM3.3	1.39E-06	0.196211	0.552	0.499	0.020822	monocyte	IFITM3
RP11-701F	1.43E-06	0.134277	0.031	0.012	0.0213	monocyte	RP11-701F16.2
MAP3K7CL.	1.53E-06	-0.1151	0.013	0.045	0.022874	monocyte	MAP3K7CL
SH3KBP1.8	1.54E-06	0.293678	0.286	0.237	0.022973	monocyte	SH3KBP1
CTGF.3	1.55E-06	-0.14082	0.004	0.031	0.023236	monocyte	CTGF
FAM198B.5	1.57E-06	0.200059	0.096	0.058	0.023398	monocyte	FAM198B
USF2.4	1.57E-06	0.32732	0.354	0.323	0.02345	monocyte	USF2
RUNX2.4	1.58E-06	0.104312	0.053	0.026	0.023571	monocyte	RUNX2
PDE7A.4	1.61E-06	-0.10553	0.041	0.086	0.023986	monocyte	PDE7A
PHOSPHO2.	1.74E-06	-0.10483	0.014	0.047	0.026057	monocyte	PHOSPHO2
BCL2A1.8	1.75E-06	0.273635	0.216	0.152	0.02615	monocyte	BCL2A1
PRKCB.7	1.75E-06	0.109264	0.072	0.039	0.026188	monocyte	PRKCB
GIT2.6	1.77E-06	0.299735	0.197	0.149	0.026431	monocyte	GIT2
FICD.2	1.77E-06	-0.10525	0.038	0.082	0.026484	monocyte	FICD
TEP1	1.79E-06	0.133745	0.041	0.018	0.026692	monocyte	TEP1
PI4K2A.7	1.84E-06	0.194824	0.1	0.062	0.027447	monocyte	PI4K2A
CCL4L2.6	1.94E-06	0.666243	0.125	0.083	0.028958	monocyte	CCL4L2
LAPTM4A.4	1.99E-06	0.262284	0.729	0.776	0.029729	monocyte	LAPTM4A

LAMTOR1. 5	2. 02E-06	0. 246226	0. 616	0. 658	0. 030137	monocyte	LAMTOR1
GLA. 7	2. 12E-06	0. 403515	0. 264	0. 211	0. 031623	monocyte	GLA
TBC1D9. 6	2. 17E-06	0. 114951	0. 087	0. 051	0. 032426	monocyte	TBC1D9
NR4A3. 7	2. 26E-06	-0. 11731	0. 098	0. 155	0. 033803	monocyte	NR4A3
ETV5. 5	2. 31E-06	0. 308227	0. 293	0. 255	0. 034519	monocyte	ETV5
GSTK1. 6	2. 36E-06	0. 335765	0. 524	0. 53	0. 035231	monocyte	GSTK1
ATP5L. 2	2. 40E-06	0. 234489	0. 797	0. 865	0. 035913	monocyte	ATP5L
ITGA4. 7	2. 46E-06	0. 115617	0. 072	0. 04	0. 036732	monocyte	ITGA4
CENPE. 7	2. 65E-06	-0. 12778	0. 022	0. 058	0. 039618	monocyte	CENPE
ABHD6. 1	2. 67E-06	-0. 10368	0. 057	0. 106	0. 03989	monocyte	ABHD6
LAMP1. 6	2. 87E-06	0. 257933	0. 496	0. 523	0. 042936	monocyte	LAMP1
HS3ST1. 7	2. 91E-06	0. 160028	0. 129	0. 084	0. 043452	monocyte	HS3ST1
BHLHE40. 6	2. 93E-06	-0. 12461	0. 133	0. 199	0. 043793	monocyte	BHLHE40
PEX5L. 4	2. 93E-06	-0. 13055	0. 001	0. 024	0. 043853	monocyte	PEX5L
EPAS1. 5	2. 96E-06	-0. 17073	0. 061	0. 109	0. 044306	monocyte	EPAS1
AATK. 5	3. 04E-06	-0. 1645	0. 007	0. 035	0. 045424	monocyte	AATK
ADAMTS4. 4	3. 07E-06	-0. 11407	0. 006	0. 034	0. 045874	monocyte	ADAMTS4
STEAP1. 3	3. 12E-06	-0. 12008	0. 003	0. 028	0. 046681	monocyte	STEAP1
CP. 3	3. 13E-06	-0. 11195	0. 004	0. 03	0. 046837	monocyte	CP
ASS1. 2	3. 14E-06	-0. 1063	0. 004	0. 03	0. 046859	monocyte	ASS1
CCDC57. 8	3. 16E-06	0. 296206	0. 147	0. 104	0. 047235	monocyte	CCDC57
SEPT6. 6	3. 16E-06	0. 26949	0. 212	0. 162	0. 047295	monocyte	6-Sep
XRCC6BP1. 3	3. 21E-06	-0. 10743	0. 041	0. 083	0. 047939	monocyte	XRCC6BP1
ACER3. 7	3. 22E-06	0. 277985	0. 231	0. 181	0. 048194	monocyte	ACER3
RNF144A. 3	3. 29E-06	-0. 11022	0. 014	0. 045	0. 049208	monocyte	RNF144A
AMDHD2. 6	3. 31E-06	0. 24133	0. 164	0. 119	0. 049473	monocyte	AMDHD2
ACO68535. 3	3. 35E-06	-0. 10016	0. 001	0. 024	0. 050103	monocyte	ACO68535. 2
SAMD9. 1	3. 38E-06	0. 203109	0. 114	0. 074	0. 050469	monocyte	SAMD9
CRABP2. 1	3. 39E-06	-0. 10713	0. 003	0. 028	0. 050728	monocyte	CRABP2
LRRC61. 6	3. 44E-06	-0. 10786	0. 029	0. 067	0. 051446	monocyte	LRRC61
TPMT. 6	3. 51E-06	0. 246761	0. 237	0. 188	0. 052423	monocyte	TPMT
MYO15B. 1	3. 60E-06	0. 164611	0. 049	0. 024	0. 053819	monocyte	MYO15B
LY6E. 3	3. 63E-06	0. 335102	0. 398	0. 374	0. 054177	monocyte	LY6E
TLN1. 8	3. 70E-06	0. 339823	0. 318	0. 282	0. 055356	monocyte	TLN1
HHIP. 5	3. 71E-06	-0. 13603	0. 003	0. 028	0. 05537	monocyte	HHIP
TPSAB1. 3	3. 79E-06	0. 176599	0. 043	0. 02	0. 056657	monocyte	TPSAB1
JAK2. 2	3. 84E-06	0. 175694	0. 058	0. 031	0. 057366	monocyte	JAK2
PPARG. 5	3. 86E-06	0. 153847	0. 047	0. 023	0. 057758	monocyte	PPARG
ATP5G2. 3	3. 90E-06	0. 188687	0. 813	0. 874	0. 058349	monocyte	ATP5G2
GRM3. 3	3. 92E-06	-0. 12782	0. 001	0. 024	0. 058571	monocyte	GRM3
MYRF. 6	4. 08E-06	-0. 17506	0. 006	0. 033	0. 060916	monocyte	MYRF
PRKCG. 4	4. 12E-06	-0. 16004	0	0. 022	0. 061534	monocyte	PRKCG
RAB5C. 4	4. 16E-06	0. 349139	0. 594	0. 658	0. 062139	monocyte	RAB5C
MT1A. 5	4. 28E-06	-0. 10297	0. 005	0. 031	0. 063902	monocyte	MT1A
MMD. 5	4. 36E-06	0. 290044	0. 284	0. 241	0. 065124	monocyte	MMD
GCHFR. 7	4. 38E-06	0. 176675	0. 114	0. 073	0. 065415	monocyte	GCHFR
MAG. 6	4. 38E-06	-0. 31497	0. 01	0. 04	0. 065438	monocyte	MAG
SPPL2A. 8	4. 49E-06	0. 265631	0. 225	0. 18	0. 067053	monocyte	SPPL2A
GPX3. 7	4. 54E-06	0. 316378	0. 198	0. 149	0. 067862	monocyte	GPX3
SOX10. 5	4. 68E-06	-0. 15177	0. 005	0. 031	0. 069885	monocyte	SOX10
RASSF3. 6	4. 82E-06	0. 109067	0. 07	0. 039	0. 072034	monocyte	RASSF3

MAP3K5.3	5.15E-06	0.145456	0.079	0.047	0.07695	monocyte	MAP3K5
MYO7A.6	5.18E-06	0.178206	0.058	0.031	0.077395	monocyte	MYO7A
BNC2.4	5.42E-06	0.111943	0.048	0.024	0.08101	monocyte	BNC2
PACS2.3	5.50E-06	-0.13276	0.086	0.139	0.082145	monocyte	PACS2
SLC8A1.7	5.53E-06	0.27517	0.187	0.141	0.082655	monocyte	SLC8A1
TREML1.5	5.62E-06	0.129512	0.042	0.02	0.083971	monocyte	TREML1
GBP1.4	5.88E-06	-0.17734	0.102	0.158	0.087906	monocyte	GBP1
PLEKHH1.5	5.96E-06	-0.12126	0.007	0.034	0.089045	monocyte	PLEKHH1
CR1.2	6.02E-06	0.108858	0.025	0.009	0.089917	monocyte	CR1
FRZB.4	6.04E-06	-0.11977	0.016	0.048	0.090212	monocyte	FRZB
FAM107B.5	6.40E-06	-0.15266	0.077	0.126	0.095623	monocyte	FAM107B
NFKBIZ.8	6.40E-06	-0.16804	0.123	0.18	0.095638	monocyte	NFKBIZ
C9orf66	6.50E-06	0.106231	0.023	0.008	0.097111	monocyte	C9orf66
KCNK1.2	6.67E-06	-0.10166	0	0.021	0.099682	monocyte	KCNK1
PDIA3.8	6.73E-06	0.242309	0.556	0.585	0.100587	monocyte	PDIA3
RNPEP.8	6.95E-06	0.342472	0.262	0.22	0.103811	monocyte	RNPEP
NPPA.5	7.13E-06	-0.11581	0.005	0.03	0.106581	monocyte	NPPA
NAV3.2	7.19E-06	0.211351	0.05	0.026	0.10743	monocyte	NAV3
ATM.5	7.23E-06	0.362054	0.229	0.185	0.108007	monocyte	ATM
HHATL.3	7.35E-06	-0.12184	0	0.021	0.10978	monocyte	HHATL
MTHFD1L.7	7.60E-06	0.292776	0.174	0.132	0.113569	monocyte	MTHFD1L
EIF3J.4	7.69E-06	0.116427	0.279	0.386	0.114944	monocyte	EIF3J
PPCS.5	7.78E-06	0.340126	0.352	0.318	0.116212	monocyte	PPCS
LINC0032C	7.99E-06	-0.16256	0.002	0.024	0.119428	monocyte	LINC00320
DAPK1.4	8.38E-06	0.108294	0.091	0.056	0.125171	monocyte	DAPK1
TP53I11.5	8.40E-06	0.217655	0.106	0.07	0.125514	monocyte	TP53I11
ERMAP.2	8.43E-06	0.210906	0.072	0.042	0.12591	monocyte	ERMAP
LGI3.4	8.43E-06	-0.11984	0.001	0.022	0.125948	monocyte	LGI3
PARP14.6	8.47E-06	0.317989	0.195	0.153	0.126518	monocyte	PARP14
SH3D19.1	8.58E-06	0.100755	0.028	0.066	0.128232	monocyte	SH3D19
UQCR10.5	9.08E-06	0.252012	0.694	0.746	0.135626	monocyte	UQCR10
RP11-386I	9.38E-06	0.230341	0.099	0.063	0.14016	monocyte	RP11-386I14.4
TPM3.8	9.40E-06	0.326571	0.533	0.56	0.140544	monocyte	TPM3
ESYT1.7	9.56E-06	0.261271	0.16	0.117	0.142931	monocyte	ESYT1
SLC31A1.6	9.85E-06	0.439058	0.207	0.164	0.147205	monocyte	SLC31A1
SMOC1.3	1.02E-05	-0.11971	0.009	0.036	0.152735	monocyte	SMOC1
AC147651.1	1.04E-05	0.11392	0.062	0.034	0.156114	monocyte	AC147651.4
RAP2B.7	1.04E-05	0.210597	0.208	0.161	0.156153	monocyte	RAP2B
TAC3.3	1.08E-05	-0.10667	0.003	0.026	0.161717	monocyte	TAC3
TMEM125.4	1.10E-05	-0.14416	0.002	0.024	0.164079	monocyte	TMEM125
FOLH1.4	1.19E-05	-0.10444	0	0.02	0.177853	monocyte	FOLH1
SFT2D1.8	1.23E-05	0.325905	0.495	0.502	0.183392	monocyte	SFT2D1
FXYD1.3	1.24E-05	-0.12757	0.008	0.034	0.185224	monocyte	FXYD1
RP11-11N9	1.25E-05	0.135779	0.085	0.051	0.18731	monocyte	RP11-11N9.4
EDIL3.5	1.35E-05	-0.19861	0.008	0.034	0.201432	monocyte	EDIL3
CISD3.7	1.36E-05	0.304592	0.288	0.251	0.203718	monocyte	CISD3
GNS.6	1.42E-05	0.298075	0.237	0.196	0.21157	monocyte	GNS
GDI2.8	1.42E-05	0.345498	0.481	0.489	0.212394	monocyte	GDI2
MAP3K8.8	1.56E-05	0.211025	0.237	0.179	0.233003	monocyte	MAP3K8
ZDHHC13.1	1.57E-05	-0.11121	0.029	0.064	0.234241	monocyte	ZDHHC13
PTCH2.1	1.69E-05	0.15898	0.05	0.027	0.252846	monocyte	PTCH2

RP11-100C	1. 71E-05	0. 172691	0. 066	0. 038	0. 255438	monocyte	RP11-1000B6. 3
KBTBD12	1. 76E-05	0. 107308	0. 014	0. 004	0. 263429	monocyte	KBTBD12
CCND1. 4	1. 85E-05	0. 253566	0. 26	0. 215	0. 276616	monocyte	CCND1
ACAA2. 6	1. 85E-05	0. 349258	0. 252	0. 206	0. 277041	monocyte	ACAA2
SNX18. 4	1. 89E-05	0. 242529	0. 15	0. 11	0. 282701	monocyte	SNX18
CD2. 6	1. 94E-05	-0. 17601	0. 001	0. 021	0. 289292	monocyte	CD2
DAAM2. 3	1. 94E-05	-0. 13537	0. 002	0. 023	0. 290356	monocyte	DAAM2
PAQR8. 5	1. 96E-05	0. 186339	0. 134	0. 093	0. 293171	monocyte	PAQR8
COR07. 7	2. 06E-05	0. 230501	0. 2	0. 154	0. 307883	monocyte	COR07
ICOSLG. 8	2. 13E-05	0. 145533	0. 128	0. 088	0. 317782	monocyte	ICOSLG
SH3D21. 3	2. 14E-05	0. 141492	0. 044	0. 022	0. 319829	monocyte	SH3D21
NANS. 8	2. 25E-05	0. 466037	0. 387	0. 357	0. 335932	monocyte	NANS
NPTN. 4	2. 27E-05	0. 166451	0. 092	0. 059	0. 339336	monocyte	NPTN
NKX6-2. 6	2. 30E-05	-0. 16694	0. 004	0. 026	0. 344087	monocyte	NKX6-2
NUDT3. 6	2. 43E-05	0. 376885	0. 406	0. 399	0. 363674	monocyte	NUDT3
SIRPB1. 3	2. 56E-05	0. 10381	0. 025	0. 01	0. 383102	monocyte	SIRPB1
PLA2G2A. 3	2. 57E-05	-0. 29792	0. 013	0. 04	0. 383473	monocyte	PLA2G2A
PSME1. 7	2. 59E-05	0. 254537	0. 579	0. 584	0. 387325	monocyte	PSME1
COX4I1. 4	2. 62E-05	0. 179475	0. 854	0. 916	0. 391193	monocyte	COX4I1
CDC26. 3	2. 63E-05	0. 13862	0. 191	0. 269	0. 392319	monocyte	CDC26
ARSB. 2	2. 64E-05	0. 137699	0. 076	0. 047	0. 394515	monocyte	ARSB
CNDP1. 6	2. 65E-05	-0. 19973	0. 01	0. 036	0. 395388	monocyte	CNDP1
RP11-254F	2. 67E-05	0. 139208	0. 043	0. 022	0. 399384	monocyte	RP11-254F7. 2
HSPBAP1. 3	2. 71E-05	0. 252984	0. 103	0. 069	0. 404322	monocyte	HSPBAP1
GAL. 4	2. 81E-05	-0. 14687	0. 013	0. 039	0. 420571	monocyte	GAL
KLHDC8B. 4	2. 97E-05	0. 208789	0. 138	0. 1	0. 444388	monocyte	KLHDC8B
CD247. 1	3. 13E-05	-0. 1017	0	0. 018	0. 467072	monocyte	CD247
PFKFB2. 1	3. 34E-05	0. 104594	0. 059	0. 034	0. 498776	monocyte	PFKFB2
HPS6	3. 35E-05	0. 12264	0. 061	0. 035	0. 500316	monocyte	HPS6
ZFP36L2. 7	3. 61E-05	0. 192904	0. 528	0. 514	0. 538966	monocyte	ZFP36L2
XAF1. 3	3. 77E-05	0. 252709	0. 145	0. 105	0. 563607	monocyte	XAF1
DEPTOR. 4	3. 83E-05	0. 169936	0. 07	0. 042	0. 572278	monocyte	DEPTOR
DENND6B. 8	3. 86E-05	0. 242359	0. 138	0. 099	0. 577412	monocyte	DENND6B
LRRK2. 7	3. 90E-05	0. 166827	0. 09	0. 058	0. 582707	monocyte	LRRK2
GNG7. 7	3. 96E-05	0. 394127	0. 329	0. 296	0. 591291	monocyte	GNG7
SMPDL3A. 6	4. 29E-05	0. 305152	0. 162	0. 122	0. 641332	monocyte	SMPDL3A
MED28. 4	4. 31E-05	0. 106228	0. 253	0. 346	0. 644516	monocyte	MED28
STK10. 7	4. 66E-05	0. 155082	0. 103	0. 069	0. 69605	monocyte	STK10
BEST1. 5	4. 73E-05	0. 317179	0. 309	0. 272	0. 707519	monocyte	BEST1
PCDH12. 2	4. 79E-05	0. 134594	0. 031	0. 014	0. 71516	monocyte	PCDH12
RILPL2. 8	4. 83E-05	0. 351671	0. 305	0. 254	0. 722499	monocyte	RILPL2
NHLH1. 3	4. 84E-05	-0. 11013	0. 005	0. 026	0. 723383	monocyte	NHLH1
MOBP. 7	4. 91E-05	-0. 2616	0. 013	0. 038	0. 733302	monocyte	MOBP
GJB1. 6	5. 09E-05	-0. 15926	0. 005	0. 026	0. 759927	monocyte	GJB1
AREG. 8	5. 19E-05	0. 127818	0. 033	0. 068	0. 775508	monocyte	AREG
DUSP22. 8	5. 44E-05	0. 24562	0. 146	0. 108	0. 812356	monocyte	DUSP22
LAMP2. 5	5. 57E-05	0. 350551	0. 471	0. 471	0. 832147	monocyte	LAMP2
GDE1. 4	5. 70E-05	0. 145354	0. 217	0. 306	0. 851915	monocyte	GDE1
FPR2. 6	5. 91E-05	0. 138434	0. 035	0. 017	0. 883191	monocyte	FPR2
GSDMD. 7	5. 93E-05	0. 372525	0. 222	0. 181	0. 886735	monocyte	GSDMD
IFI35. 6	6. 02E-05	0. 285624	0. 269	0. 228	0. 899106	monocyte	IFI35

SNX2. 8	6. 08E-05	0. 378247	0. 418	0. 409	0. 909208	monocyte	SNX2
MMP7. 3	6. 35E-05	-0. 17858	0. 008	0. 031	0. 948817	monocyte	MMP7
CD58. 8	6. 45E-05	0. 345056	0. 263	0. 224	0. 964422	monocyte	CD58
SLC46A1. 3	6. 57E-05	0. 146	0. 089	0. 058	0. 98177	monocyte	SLC46A1
CTC-479C5	6. 91E-05	0. 204418	0. 077	0. 049		1 monocyte	CTC-479C5. 12
FAM213A. 6	7. 04E-05	0. 110688	0. 295	0. 39		1 monocyte	FAM213A
TAGAP. 8	7. 12E-05	0. 203193	0. 141	0. 097		1 monocyte	TAGAP
ST18. 4	7. 32E-05	-0. 11878	0. 016	0. 041		1 monocyte	ST18
NSL1. 4	7. 39E-05	0. 150414	0. 258	0. 354		1 monocyte	NSL1
LIMD2. 5	7. 76E-05	0. 368313	0. 277	0. 246		1 monocyte	LIMD2
APOL1. 3	7. 80E-05	0. 139948	0. 063	0. 037		1 monocyte	APOL1
OAS3. 2	7. 85E-05	0. 143553	0. 079	0. 051		1 monocyte	OAS3
FOXP1. 5	8. 09E-05	0. 100789	0. 171	0. 236		1 monocyte	FOXP1
FAM72B. 2	8. 46E-05	0. 11986	0. 039	0. 02		1 monocyte	FAM72B
CD1D. 6	8. 50E-05	0. 211203	0. 061	0. 036		1 monocyte	CD1D
SDSL. 7	8. 79E-05	0. 237081	0. 221	0. 184		1 monocyte	SDSL
SGK3. 5	8. 83E-05	0. 138371	0. 097	0. 065		1 monocyte	SGK3
COMMD10. 3	9. 04E-05	0. 15525	0. 162	0. 231		1 monocyte	COMMD10
CD7. 5	9. 11E-05	0. 188577	0. 068	0. 041		1 monocyte	CD7
MYOF. 5	9. 31E-05	0. 171068	0. 068	0. 042		1 monocyte	MYOF
FGFR10P2. 9	9. 49E-05	0. 115112	0. 239	0. 325		1 monocyte	FGFR10P2
SLC17A5. 5	9. 53E-05	0. 223873	0. 141	0. 103		1 monocyte	SLC17A5
GPR183. 8	9. 62E-05	0. 409226	0. 354	0. 284		1 monocyte	GPR183
UQCRB. 6	9. 62E-05	0. 180964	0. 616	0. 684		1 monocyte	UQCRB
RP11-46H1	9. 69E-05	-0. 15558	0. 007	0. 029		1 monocyte	RP11-46H11. 3
FUCA2. 8	0. 000102	0. 272503	0. 273	0. 24		1 monocyte	FUCA2
PFKFB3. 7	0. 000109	0. 257378	0. 28	0. 241		1 monocyte	PFKFB3
NDUFAF1. 1	0. 00011	0. 107946	0. 12	0. 18		1 monocyte	NDUFAF1
HRH2. 5	0. 000112	0. 140761	0. 063	0. 038		1 monocyte	HRH2
ABCC4. 4	0. 000112	0. 152072	0. 069	0. 043		1 monocyte	ABCC4
ZDHHC12. 8	0. 000113	0. 339143	0. 287	0. 258		1 monocyte	ZDHHC12
RTN2. 5	0. 000118	0. 313987	0. 115	0. 081		1 monocyte	RTN2
PDCD4. 8	0. 000119	0. 229204	0. 187	0. 145		1 monocyte	PDCD4
LAMTOR2. 6	0. 000119	0. 283361	0. 552	0. 59		1 monocyte	LAMTOR2
CITED4. 1	0. 000124	0. 163413	0. 042	0. 022		1 monocyte	CITED4
ANAPC10. 2	0. 000124	0. 119522	0. 123	0. 182		1 monocyte	ANAPC10
NUMB. 7	0. 000125	0. 352491	0. 204	0. 168		1 monocyte	NUMB
H2AFJ. 8	0. 00013	0. 298268	0. 292	0. 256		1 monocyte	H2AFJ
CD3E. 4	0. 000131	-0. 14956	0. 002	0. 019		1 monocyte	CD3E
ATF6B. 3	0. 000142	0. 115488	0. 295	0. 395		1 monocyte	ATF6B
RP11-1143	0. 000143	0. 216204	0. 077	0. 049		1 monocyte	RP11-1143G9. 4
SNX29. 4	0. 00015	0. 243789	0. 139	0. 103		1 monocyte	SNX29
SLAMF9. 4	0. 000156	-0. 11033	0. 003	0. 021		1 monocyte	SLAMF9
FAM102B. 3	0. 000156	0. 124969	0. 048	0. 027		1 monocyte	FAM102B
CYP19A1. 3	0. 000159	0. 132468	0. 043	0. 023		1 monocyte	CYP19A1
ANXA4. 6	0. 000159	0. 30898	0. 23	0. 191		1 monocyte	ANXA4
PIP5K1B. 1	0. 000165	0. 153163	0. 043	0. 023		1 monocyte	PIP5K1B
ZEB2-AS1. 0	0. 000179	0. 117947	0. 055	0. 032		1 monocyte	ZEB2-AS1
PPP1R7. 3	0. 000182	0. 181158	0. 27	0. 361		1 monocyte	PPP1R7
SLC38A6. 4	0. 000182	0. 153412	0. 132	0. 097		1 monocyte	SLC38A6
TMEM14C. 6	0. 000191	0. 307307	0. 549	0. 595		1 monocyte	TMEM14C

HIGD2A.6	0.000192	0.24	0.578	0.622	1 monocyte	HIGD2A
MED15.3	0.000196	0.100267	0.097	0.147	1 monocyte	MED15
KIAA1033.	0.000196	0.337566	0.264	0.236	1 monocyte	KIAA1033
GAB3.6	0.000207	0.144514	0.053	0.031	1 monocyte	GAB3
FAM72A.3	0.000215	0.173834	0.064	0.039	1 monocyte	FAM72A
DAGLB.6	0.00022	0.294429	0.152	0.118	1 monocyte	DAGLB
MBD6.4	0.00022	-0.12661	0.099	0.143	1 monocyte	MBD6
APEX2.4	0.00022	0.283129	0.123	0.091	1 monocyte	APEX2
ATP5EP2.6	0.000239	0.40131	0.453	0.446	1 monocyte	ATP5EP2
TSPAN33.6	0.000245	0.127583	0.065	0.04	1 monocyte	TSPAN33
ACSL4.6	0.000245	0.125927	0.114	0.081	1 monocyte	ACSL4
NMI.7	0.000245	0.305434	0.216	0.179	1 monocyte	NMI
GNG5.6	0.000247	0.201941	0.641	0.644	1 monocyte	GNG5
GLB1.5	0.000249	0.294638	0.272	0.242	1 monocyte	GLB1
MSRB2.6	0.000256	0.271715	0.283	0.252	1 monocyte	MSRB2
SMIM20.2	0.000258	0.100482	0.26	0.347	1 monocyte	SMIM20
GZMA.5	0.000264	-0.15493	0.001	0.016	1 monocyte	GZMA
ADCK2.5	0.000265	0.268013	0.17	0.137	1 monocyte	ADCK2
CIB1.7	0.000269	0.267562	0.491	0.492	1 monocyte	CIB1
DYRK4.3	0.000271	0.154192	0.158	0.222	1 monocyte	DYRK4
IFI44.4	0.000278	0.320817	0.216	0.182	1 monocyte	IFI44
IFIH1.2	0.000284	0.171742	0.07	0.045	1 monocyte	IFIH1
SP140L.4	0.000284	0.172732	0.106	0.075	1 monocyte	SP140L
CASP4.8	0.000288	0.239114	0.267	0.224	1 monocyte	CASP4
DISP1.1	0.000289	0.166678	0.055	0.033	1 monocyte	DISP1
WIPF3.7	0.0003	0.243678	0.121	0.09	1 monocyte	WIPF3
ISG15.6	0.000305	0.374804	0.37	0.356	1 monocyte	ISG15
CHN2.4	0.000314	0.290218	0.127	0.095	1 monocyte	CHN2
TRIM21.1	0.000333	0.189387	0.063	0.039	1 monocyte	TRIM21
LTA4H.6	0.000348	0.339916	0.26	0.227	1 monocyte	LTA4H
HIST2H2AA	0.000359	0.22023	0.089	0.061	1 monocyte	HIST2H2AA3
ARL6IP4.7	0.00036	0.2192	0.579	0.628	1 monocyte	ARL6IP4
TSPAN4.4	0.00036	0.314363	0.207	0.178	1 monocyte	TSPAN4
ITPRIPL2.	0.000372	0.192269	0.099	0.071	1 monocyte	ITPRIPL2
IRF2.2	0.000377	0.316946	0.225	0.196	1 monocyte	IRF2
PTEN.7	0.000382	0.170661	0.162	0.126	1 monocyte	PTEN
CAMK1D.6	0.000383	0.176849	0.142	0.108	1 monocyte	CAMK1D
SLC39A4.6	0.000391	0.190892	0.12	0.087	1 monocyte	SLC39A4
C2orf47.1	0.000394	0.102712	0.084	0.127	1 monocyte	C2orf47
SLC25A6.3	0.000398	0.211658	0.799	0.863	1 monocyte	SLC25A6
TUBA1B.4	0.000409	0.199275	0.877	0.897	1 monocyte	TUBA1B
EEF1G.2	0.000409	0.339243	0.133	0.1	1 monocyte	EEF1G
MICAL1.7	0.000417	0.16636	0.176	0.138	1 monocyte	MICAL1
ZNF846.5	0.000436	0.271677	0.096	0.068	1 monocyte	ZNF846
THNSL2	0.000437	0.102097	0.038	0.02	1 monocyte	THNSL2
MOG.6	0.000468	-0.19521	0.013	0.033	1 monocyte	MOG
MTHFR.5	0.00047	0.208949	0.105	0.076	1 monocyte	MTHFR
CD3D.5	0.000475	-0.19677	0.004	0.02	1 monocyte	CD3D
SH3BP2.7	0.000481	0.157125	0.171	0.135	1 monocyte	SH3BP2
GNAI2.8	0.000492	0.202293	0.458	0.485	1 monocyte	GNAI2
APOL2.5	0.000495	-0.1401	0.066	0.102	1 monocyte	APOL2



RABGAP1L. 0.	0.000506	0.276781	0.139	0.107	1 monocyte	RABGAP1L
TNFAIP3. 8	0.000522	-0.18121	0.128	0.166	1 monocyte	TNFAIP3
MSN. 8	0.000528	0.249389	0.385	0.375	1 monocyte	MSN
MRO. 4	0.000545	0.122173	0.035	0.019	1 monocyte	MRO
COLGALT1.	0.00055	0.294101	0.221	0.189	1 monocyte	COLGALT1
LINC00324	0.000556	0.103313	0.043	0.025	1 monocyte	LINC00324
B3GNT7. 1	0.000568	0.110301	0.045	0.026	1 monocyte	B3GNT7
JKAMP. 3	0.000582	0.155195	0.225	0.306	1 monocyte	JKAMP
NR1H2. 7	0.000605	0.155532	0.23	0.31	1 monocyte	NR1H2
TMEM2. 3	0.00061	-0.10967	0.039	0.067	1 monocyte	TMEM2
CAPN3. 5	0.000612	-0.20029	0.022	0.045	1 monocyte	CAPN3
RP3-475N1	0.000622	0.136848	0.025	0.012	1 monocyte	RP3-475N16. 1
LOXL3. 2	0.000622	0.176773	0.099	0.071	1 monocyte	LOXL3
VPS4B. 3	0.000635	0.112833	0.187	0.254	1 monocyte	VPS4B
PTBP3. 4	0.000643	0.250803	0.141	0.108	1 monocyte	PTBP3
SUFU. 1	0.000646	0.127418	0.046	0.027	1 monocyte	SUFU
RAB4B. 3	0.00066	0.105024	0.199	0.268	1 monocyte	RAB4B
APOL3. 2	0.000683	0.115391	0.055	0.034	1 monocyte	APOL3
PTPRCAP. 5	0.000684	-0.1425	0.009	0.028	1 monocyte	PTPRCAP
POLR3GL. 1	0.000686	0.11452	0.273	0.357	1 monocyte	POLR3GL
KIAA0226L	0.000755	0.25554	0.123	0.093	1 monocyte	KIAA0226L
HNRNPA3. 3	0.000757	0.101868	0.446	0.564	1 monocyte	HNRNPA3
FAM118A. 5	0.000811	0.101188	0.092	0.136	1 monocyte	FAM118A
EMILIN2. 7	0.000854	0.119693	0.108	0.078	1 monocyte	EMILIN2
FMO4	0.000863	0.150492	0.022	0.01	1 monocyte	FMO4
APRT. 6	0.000888	0.264251	0.519	0.532	1 monocyte	APRT
XPNPEP1. 3	0.000911	0.122195	0.101	0.147	1 monocyte	XPNPEP1
TPST2. 6	0.000928	0.214953	0.196	0.165	1 monocyte	TPST2
MYSM1. 2	0.000938	0.103958	0.05	0.083	1 monocyte	MYSM1
TMCC3. 6	0.00098	0.163713	0.098	0.071	1 monocyte	TMCC3
DBNL. 7	0.001008	0.34858	0.415	0.426	1 monocyte	DBNL
HP. 3	0.001093	-0.1327	0.008	0.025	1 monocyte	HP
GRINA. 5	0.001105	0.263833	0.411	0.439	1 monocyte	GRINA
C11orf31.	0.001109	0.239234	0.606	0.673	1 monocyte	C11orf31
TSC22D3. 6	0.001112	0.288703	0.447	0.457	1 monocyte	TSC22D3
REL. 8	0.001118	0.24525	0.331	0.295	1 monocyte	REL
PDE1B. 3	0.001118	0.127535	0.034	0.019	1 monocyte	PDE1B
MARCH2. 6	0.001137	0.254192	0.253	0.231	1 monocyte	2-Mar
PABPC4. 8	0.001213	0.232156	0.342	0.327	1 monocyte	PABPC4
SELM. 6	0.001234	0.238271	0.219	0.186	1 monocyte	SELM
CD55. 8	0.001244	0.205907	0.149	0.115	1 monocyte	CD55
IBSP. 6	0.001244	0.316536	0.039	0.022	1 monocyte	IBSP
ITSN2. 7	0.001262	0.261104	0.209	0.179	1 monocyte	ITSN2
HEBP1. 4	0.001281	0.177752	0.219	0.187	1 monocyte	HEBP1
STXBP3. 2	0.00131	0.122279	0.145	0.198	1 monocyte	STXBP3
VASP. 8	0.001341	0.250171	0.263	0.238	1 monocyte	VASP
ABHD15. 7	0.001358	0.2017	0.079	0.056	1 monocyte	ABHD15
C3orf38	0.001409	0.117673	0.136	0.186	1 monocyte	C3orf38
CIR1. 2	0.00141	0.11948	0.257	0.335	1 monocyte	CIR1
CCDC28A. 7	0.00148	0.256994	0.188	0.156	1 monocyte	CCDC28A
UCHL3. 4	0.001492	0.12655	0.193	0.252	1 monocyte	UCHL3

RFC2. 3	0.001526	0.125059	0.187	0.247	1 monocyte RFC2
SYNGR1. 5	0.001528	0.239241	0.138	0.109	1 monocyte SYNGR1
TIFA. 3	0.001584	0.169199	0.079	0.056	1 monocyte TIFA
MBNL1. 8	0.00164	0.254197	0.248	0.222	1 monocyte MBNL1
PLA2G4A. 4	0.001759	0.172015	0.049	0.031	1 monocyte PLA2G4A
OSGEP. 4	0.001761	0.248177	0.229	0.2	1 monocyte OSGEP
OPALIN. 4	0.001799	-0.16206	0.002	0.014	1 monocyte OPALIN
OASL. 4	0.001827	0.126874	0.045	0.027	1 monocyte OASL
UBAC2. 7	0.001833	0.105581	0.213	0.276	1 monocyte UBAC2
MYL12B. 6	0.001901	0.223371	0.664	0.733	1 monocyte MYL12B
GPR137B. 5	0.001909	0.24963	0.248	0.228	1 monocyte GPR137B
GPR155. 7	0.001913	0.139505	0.14	0.191	1 monocyte GPR155
C16orf89. 0	0.001939	0.105783	0.031	0.017	1 monocyte C16orf89
MTHFD2. 7	0.001959	0.325659	0.315	0.286	1 monocyte MTHFD2
CYB5R1. 2	0.002013	0.325618	0.277	0.256	1 monocyte CYB5R1
PTPN7. 8	0.002079	0.162635	0.103	0.076	1 monocyte PTPN7
UQCC2. 4	0.002087	0.101338	0.34	0.434	1 monocyte UQCC2
ZC3H12A. 6	0.002111	-0.13856	0.052	0.078	1 monocyte ZC3H12A
LRP10. 4	0.002208	0.251887	0.267	0.25	1 monocyte LRP10
NIPSNAP3E. 0	0.002212	0.123963	0.027	0.015	1 monocyte NIPSNAP3B
CAT. 7	0.002249	0.366182	0.32	0.303	1 monocyte CAT
RP11-386G. 0	0.002271	0.111773	0.106	0.147	1 monocyte RP11-386G11. 10
GALC. 4	0.002366	0.156772	0.127	0.1	1 monocyte GALC
ALDH9A1. 3	0.002375	0.121444	0.265	0.345	1 monocyte ALDH9A1
TRABD. 8	0.002406	0.282577	0.279	0.257	1 monocyte TRABD
PREX1. 7	0.00245	0.258885	0.242	0.216	1 monocyte PREX1
TIPIN. 4	0.002519	0.105035	0.103	0.144	1 monocyte TIPIN
NAT1. 2	0.002556	0.102093	0.035	0.021	1 monocyte NAT1
MINOS1. 6	0.002566	0.244352	0.586	0.644	1 monocyte MINOS1
RCBTB2. 7	0.002608	0.183637	0.17	0.139	1 monocyte RCBTB2
FNTA. 2	0.002615	0.112277	0.301	0.393	1 monocyte FNTA
ZNF641. 0	0.002616	0.18236	0.072	0.051	1 monocyte ZNF641
DAZAP2. 6	0.002653	0.315856	0.501	0.539	1 monocyte DAZAP2
UTP6. 3	0.002662	0.119918	0.158	0.214	1 monocyte UTP6
GCLC. 5	0.002723	0.154498	0.122	0.095	1 monocyte GCLC
NBL1. 6	0.002856	0.261451	0.201	0.176	1 monocyte NBL1
RP11-488L. 0	0.002886	0.168999	0.072	0.051	1 monocyte RP11-488L18. 10
LLGL2. 1	0.002895	0.119349	0.025	0.013	1 monocyte LLGL2
CD59. 4	0.002919	0.281718	0.509	0.557	1 monocyte CD59
GLTSCR2. 7	0.002941	0.20125	0.522	0.568	1 monocyte GLTSCR2
IL6ST. 7	0.002969	0.147917	0.193	0.259	1 monocyte IL6ST
ANKRD44. 4	0.003019	0.168449	0.121	0.093	1 monocyte ANKRD44
ELMO1. 6	0.003152	0.25485	0.219	0.187	1 monocyte ELMO1
ATXN3. 2	0.003232	0.105456	0.116	0.16	1 monocyte ATXN3
PTPRJ. 4	0.003306	0.11398	0.045	0.028	1 monocyte PTPRJ
KIAA0141. 0	0.003334	0.325025	0.144	0.119	1 monocyte KIAA0141
IDUA. 1	0.00336	0.150689	0.067	0.047	1 monocyte IDUA
HADHB. 4	0.003399	0.113664	0.371	0.469	1 monocyte HADHB
FAU. 6	0.00341	0.150919	0.929	0.96	1 monocyte FAU
LRCH1. 2	0.003414	0.164288	0.078	0.057	1 monocyte LRCH1
NFKBIA. 7	0.00345	0.172405	0.509	0.499	1 monocyte NFKBIA

CDC123.4	0.003508	0.147863	0.263	0.343	1 monocyte	CDC123
DOPEY2.4	0.003514	0.142848	0.089	0.066	1 monocyte	DOPEY2
FOS.6	0.003696	0.219399	0.803	0.844	1 monocyte	FOS
ZFHx3.4	0.003702	0.243729	0.218	0.193	1 monocyte	ZFHx3
C21orf33.0	0.003707	0.108784	0.285	0.37	1 monocyte	C21orf33
ABR.4	0.003754	0.234842	0.17	0.143	1 monocyte	ABR
ZMAT5.3	0.003771	0.174383	0.182	0.24	1 monocyte	ZMAT5
AP2S1.6	0.003833	0.223434	0.584	0.668	1 monocyte	AP2S1
IL10.8	0.003914	0.11606	0.138	0.103	1 monocyte	IL10
AIP.2	0.003971	0.101457	0.241	0.309	1 monocyte	AIP
RNPEPL1.6	0.004167	0.169491	0.154	0.128	1 monocyte	RNPEPL1
PTDSS1.4	0.004197	0.101446	0.158	0.206	1 monocyte	PTDSS1
MAP7.5	0.004256	-0.12638	0.022	0.04	1 monocyte	MAP7
RPS6KA4.7	0.004315	0.219062	0.144	0.12	1 monocyte	RPS6KA4
OPLAH	0.004438	0.100612	0.037	0.022	1 monocyte	OPLAH
TES.8	0.004517	0.120279	0.065	0.044	1 monocyte	TES
PLEC.6	0.00455	0.223902	0.209	0.185	1 monocyte	PLEC
TMEM33.4	0.004563	0.126214	0.222	0.291	1 monocyte	TMEM33
SETDB2	0.004572	0.129399	0.076	0.055	1 monocyte	SETDB2
EIF3E.5	0.00473	0.271103	0.581	0.653	1 monocyte	EIF3E
GNPTG.3	0.004786	0.262356	0.273	0.256	1 monocyte	GNPTG
GHDC.4	0.005317	0.148661	0.116	0.091	1 monocyte	GHDC
SEC24D.3	0.005371	0.141496	0.115	0.09	1 monocyte	SEC24D
TBC1D12.6	0.005437	0.172844	0.13	0.105	1 monocyte	TBC1D12
PSME2.6	0.005565	0.224361	0.528	0.56	1 monocyte	PSME2
ZNF330.3	0.005578	0.342257	0.238	0.214	1 monocyte	ZNF330
PQLC3.7	0.005589	0.236152	0.206	0.183	1 monocyte	PQLC3
UBL7.3	0.005821	0.11707	0.182	0.235	1 monocyte	UBL7
PWP2.4	0.005884	0.279842	0.145	0.122	1 monocyte	PWP2
LEPROTL1.0	0.006065	0.152079	0.309	0.395	1 monocyte	LEPROTL1
RASGRP3.6	0.006103	0.146339	0.091	0.066	1 monocyte	RASGRP3
SKIL.6	0.006124	0.264613	0.303	0.284	1 monocyte	SKIL
ADAM17.5	0.006135	0.101064	0.2	0.26	1 monocyte	ADAM17
MTRNR2L6.0	0.006211	0.174833	0.021	0.011	1 monocyte	MTRNR2L6
PRDX3.6	0.00625	0.31639	0.448	0.468	1 monocyte	PRDX3
NUCB1.7	0.006406	0.34486	0.425	0.447	1 monocyte	NUCB1
PTPMT1.2	0.006424	0.105663	0.279	0.359	1 monocyte	PTPMT1
PSMB9.6	0.006451	0.25863	0.407	0.405	1 monocyte	PSMB9
UGP2.3	0.006575	0.150848	0.37	0.469	1 monocyte	UGP2
FAM204A.5	0.006763	0.191717	0.203	0.262	1 monocyte	FAM204A
PPP2R5C.4	0.006802	0.154465	0.203	0.262	1 monocyte	PPP2R5C
ERP29.5	0.006966	0.225698	0.558	0.616	1 monocyte	ERP29
EIF3K.6	0.006974	0.190415	0.686	0.765	1 monocyte	EIF3K
APH1B.5	0.00702	0.222229	0.151	0.125	1 monocyte	APH1B
DPAGT1.2	0.007155	0.165001	0.106	0.146	1 monocyte	DPAGT1
GRB2.8	0.007201	0.217094	0.441	0.484	1 monocyte	GRB2
BRE.1	0.007439	0.11012	0.178	0.23	1 monocyte	BRE
CMTM2	0.007735	0.106821	0.011	0.005	1 monocyte	CMTM2
ISY1.2	0.007881	0.121033	0.137	0.177	1 monocyte	ISY1
TRMT1.5	0.007883	0.408519	0.267	0.256	1 monocyte	TRMT1
PARP9.3	0.007941	0.274261	0.19	0.168	1 monocyte	PARP9

TMEM59. 2	0. 008065	0. 217101	0. 703	0. 793	1 monocyte	TMEM59
GZMK. 2	0. 008084	-0. 11146	0. 002	0. 011	1 monocyte	GZMK
MTAP. 5	0. 008108	0. 138933	0. 091	0. 069	1 monocyte	MTAP
TNF. 5	0. 008149	0. 107719	0. 059	0. 041	1 monocyte	TNF
MAML3. 5	0. 008754	0. 125875	0. 05	0. 034	1 monocyte	MAML3
CCDC115. 1	0. 008799	0. 166789	0. 267	0. 338	1 monocyte	CCDC115
C19orf66. 0.	0. 008864	0. 118425	0. 203	0. 261	1 monocyte	C19orf66
RTP4. 1	0. 008942	0. 131131	0. 047	0. 032	1 monocyte	RTP4
ETV6. 4	0. 009127	0. 278664	0. 167	0. 146	1 monocyte	ETV6
MICA. 1	0. 009165	0. 12793	0. 061	0. 043	1 monocyte	MICA
SMS. 3	0. 009193	0. 115035	0. 466	0. 582	1 monocyte	SMS
TALDO1. 7	0. 009213	0. 230866	0. 531	0. 603	1 monocyte	TALDO1
FCH01. 3	0. 009673	0. 141323	0. 054	0. 038	1 monocyte	FCH01
TCEAL8. 1	0. 009716	0. 107584	0. 354	0. 45	1 monocyte	TCEAL8
CCDC91. 4	0. 00976	0. 127555	0. 158	0. 2	1 monocyte	CCDC91
PRKAG2-AS	0. 009963	0. 278437	0. 146	0. 123	1 monocyte	PRKAG2-AS1
PLP1. 8	0	2. 692355	0. 991	0. 14	0 Oligo	PLP1
MAG. 7	0	2. 493666	0. 887	0. 005	0 Oligo	MAG
ERMN. 7	0	2. 411022	0. 84	0. 008	0 Oligo	ERMN
PTGDS. 6	0	2. 374976	0. 981	0. 139	0 Oligo	PTGDS
TF. 9	0	2. 373353	0. 899	0. 042	0 Oligo	TF
PPP1R14A.	0	2. 304921	0. 894	0. 077	0 Oligo	PPP1R14A
MOBP. 8	0	2. 284968	0. 781	0. 008	0 Oligo	MOBP
MBP. 4	0	2. 265916	0. 969	0. 21	0 Oligo	MBP
CLDN11. 7	0	2. 205274	0. 774	0. 018	0 Oligo	CLDN11
SEPT4. 8	0	2. 202802	0. 871	0. 102	0 Oligo	4-Sep
APOD. 8	0	2. 186383	0. 972	0. 13	0 Oligo	APOD
KLK6. 7	0	2. 17025	0. 753	0. 004	0 Oligo	KLK6
TMEM144. 4	0	2. 1679	0. 807	0. 05	0 Oligo	TMEM144
LHPP. 5	0	2. 16246	0. 833	0. 078	0 Oligo	LHPP
CAPN3. 6	0	2. 103345	0. 732	0. 017	0 Oligo	CAPN3
CNDP1. 7	0	2. 096899	0. 76	0. 007	0 Oligo	CNDP1
MOG. 7	0	2. 046184	0. 739	0. 005	0 Oligo	MOG
ABCA2. 9	0	2. 038166	0. 781	0. 07	0 Oligo	ABCA2
TUBB4A. 9	0	2. 035814	0. 819	0. 092	0 Oligo	TUBB4A
CNTN2. 6	0	2. 020448	0. 711	0. 016	0 Oligo	CNTN2
MAL. 8	0	2. 009081	0. 739	0. 013	0 Oligo	MAL
CNP. 7	0	2. 002554	0. 981	0. 354	0 Oligo	CNP
RNASE1. 6	0	1. 996828	0. 927	0. 141	0 Oligo	RNASE1
CARNS1. 7	0	1. 969271	0. 692	0. 003	0 Oligo	CARNS1
ENPP2. 3	0	1. 959504	0. 706	0. 02	0 Oligo	ENPP2
CMTM5. 7	0	1. 937523	0. 788	0. 074	0 Oligo	CMTM5
SPOCK3. 6	0	1. 909305	0. 699	0. 008	0 Oligo	SPOCK3
HSPA2. 6	0	1. 887203	0. 802	0. 099	0 Oligo	HSPA2
S100A1. 3	0	1. 871414	0. 551	0. 019	0 Oligo	S100A1
EDIL3. 6	0	1. 866857	0. 649	0. 009	0 Oligo	EDIL3
PLL. 8	0	1. 866743	0. 72	0. 043	0 Oligo	PLL
PLEKHB1. 7	0	1. 81831	0. 859	0. 189	0 Oligo	PLEKHB1
AMER2. 8	0	1. 815185	0. 732	0. 091	0 Oligo	AMER2
AC018647.	0	1. 798101	0. 612	0. 02	0 Oligo	AC018647. 3
NKX6-2. 7	0	1. 776817	0. 631	0. 002	0 Oligo	NKX6-2

GJB1. 7	0	1.776712	0.605	0.003	0 Oligo	GJB1
MYRF. 7	0	1.74865	0.631	0.008	0 Oligo	MYRF
ANLN. 8	0	1.732384	0.659	0.04	0 Oligo	ANLN
OPALIN. 5	0	1.715486	0.332	0.001	0 Oligo	OPALIN
UGT8. 7	0	1.71395	0.661	0.027	0 Oligo	UGT8
AATK. 6	0	1.701408	0.614	0.011	0 Oligo	AATK
EFHD1. 6	0	1.688193	0.64	0.036	0 Oligo	EFHD1
MAP7. 6	0	1.66902	0.565	0.019	0 Oligo	MAP7
GPR37. 6	0	1.667582	0.649	0.051	0 Oligo	GPR37
RAPGEF5. 7	0	1.627971	0.555	0.023	0 Oligo	RAPGEF5
MYLK. 6	0	1.614365	0.548	0.041	0 Oligo	MYLK
TMEM125. 5	0	1.589985	0.553	0.002	0 Oligo	TMEM125
HAPLN2. 7	0	1.57413	0.56	0.013	0 Oligo	HAPLN2
FGFR2. 7	0	1.545498	0.536	0.029	0 Oligo	FGFR2
ANKS1B. 8	0	1.516097	0.64	0.088	0 Oligo	ANKS1B
SLC24A2. 7	0	1.505362	0.548	0.012	0 Oligo	SLC24A2
NECAB1. 7	0	1.497165	0.546	0.018	0 Oligo	NECAB1
BOK. 9	0	1.495493	0.576	0.057	0 Oligo	BOK
FA2H. 6	0	1.483972	0.539	0.008	0 Oligo	FA2H
CDK18. 6	0	1.483304	0.614	0.057	0 Oligo	CDK18
SOX10. 6	0	1.476572	0.541	0.01	0 Oligo	SOX10
LGI3. 5	0	1.453747	0.487	0.003	0 Oligo	LGI3
HHIP. 6	0	1.453457	0.508	0.008	0 Oligo	HHIP
CHADL. 5	0	1.44177	0.541	0.023	0 Oligo	CHADL
ERBB3. 7	0	1.431634	0.539	0.019	0 Oligo	ERBB3
BCAS1. 5	0	1.424145	0.529	0.024	0 Oligo	BCAS1
LINC0032C	0	1.414375	0.414	0.008	0 Oligo	LINC00320
B3GAT1. 7	0	1.405356	0.595	0.071	0 Oligo	B3GAT1
PEX5L. 5	0	1.404763	0.485	0.005	0 Oligo	PEX5L
TMEM151A.	0	1.399619	0.527	0.024	0 Oligo	TMEM151A
DAAM2. 4	0	1.381555	0.428	0.006	0 Oligo	DAAM2
ADAMTS4. 5	0	1.363212	0.485	0.015	0 Oligo	ADAMTS4
GRM3. 4	0	1.357564	0.452	0.006	0 Oligo	GRM3
PLEKHH1. 6	0	1.332904	0.489	0.015	0 Oligo	PLEKHH1
HHATL. 4	0	1.332311	0.412	0.004	0 Oligo	HHATL
KCNJ10. 7	0	1.328091	0.466	0.036	0 Oligo	KCNJ10
ASPA. 1	0	1.309518	0.419	0.011	0 Oligo	ASPA
FOLH1. 5	0	1.293621	0.452	0.002	0 Oligo	FOLH1
AK5. 4	0	1.28146	0.424	0.01	0 Oligo	AK5
PCSK6. 2	0	1.26499	0.416	0.002	0 Oligo	PCSK6
NKAIN2. 3	0	1.252584	0.438	0.001	0 Oligo	NKAIN2
SRCIN1. 7	0	1.23367	0.402	0.017	0 Oligo	SRCIN1
SLC01A2. 2	0	1.191881	0.379	0.004	0 Oligo	SLC01A2
DOCK5. 8	0	1.163608	0.48	0.039	0 Oligo	DOCK5
PDE1C. 4	0	1.13461	0.4	0.026	0 Oligo	PDE1C
KCNK1. 3	0	1.116547	0.379	0.006	0 Oligo	KCNK1
SLC03A1. 2	0	1.105771	0.393	0.018	0 Oligo	SLC03A1
RP11-809C	0	1.096491	0.235	0.001	0 Oligo	RP11-809C18. 3
ATP8A1. 4	0	1.076216	0.407	0.029	0 Oligo	ATP8A1
CNTNAP4	0	1.055515	0.341	0.005	0 Oligo	CNTNAP4
HCN2. 1	0	1.012361	0.365	0.016	0 Oligo	HCN2

PRRG1. 1	0	1.011341	0.339	0.014	0	Oligo	PRRG1
GPIHBP1	0	1.011108	0.249	0	0	Oligo	GPIHBP1
GJC2	0	0.984297	0.32	0.003	0	Oligo	GJC2
FAM53B-AS	0	0.979117	0.158	0.001	0	Oligo	FAM53B-AS1
GREM1. 1	0	0.977568	0.365	0.02	0	Oligo	GREM1
PPP1R16B	0	0.974146	0.315	0.004	0	Oligo	PPP1R16B
SLC45A3	0	0.934153	0.32	0.006	0	Oligo	SLC45A3
SH3GL3	0	0.933752	0.318	0.009	0	Oligo	SH3GL3
GPR62	0	0.932405	0.296	0.001	0	Oligo	GPR62
LDB3	0	0.921673	0.296	0.004	0	Oligo	LDB3
GAL3ST1	0	0.916764	0.329	0.007	0	Oligo	GAL3ST1
SLC5A11	0	0.872978	0.273	0.001	0	Oligo	SLC5A11
TMEM235	0	0.863597	0.242	0.001	0	Oligo	TMEM235
SEC14L5	0	0.86349	0.273	0.001	0	Oligo	SEC14L5
CD22	0	0.852824	0.259	0.007	0	Oligo	CD22
ADARB2	0	0.808795	0.193	0.001	0	Oligo	ADARB2
MYO1D	0	0.807963	0.256	0.009	0	Oligo	MYO1D
LRP2	0	0.752335	0.249	0.002	0	Oligo	LRP2
TPPP	0	0.732988	0.186	0.003	0	Oligo	TPPP
ZNF488	0	0.710853	0.224	0.005	0	Oligo	ZNF488
PIEZO2	0	0.668256	0.219	0.002	0	Oligo	PIEZO2
RP11-298C	0	0.667609	0.205	0	0	Oligo	RP11-298D21. 1
AC007163.	0	0.593709	0.141	0.001	0	Oligo	AC007163. 3
TMEM63A. 4	#####	1.317165	0.511	0.054	#####	Oligo	TMEM63A
NINJ2. 8	#####	1.54991	0.574	0.069	#####	Oligo	NINJ2
OMG. 7	#####	1.36059	0.548	0.062	#####	Oligo	OMG
PRR18	#####	0.852452	0.169	0.002	#####	Oligo	PRR18
ST18. 5	#####	1.00911	0.381	0.027	#####	Oligo	ST18
PLCL1. 2	#####	0.987993	0.341	0.02	#####	Oligo	PLCL1
PTPRD. 8	#####	1.255814	0.513	0.056	#####	Oligo	PTPRD
NFASC. 7	#####	1.453622	0.607	0.084	#####	Oligo	NFASC
RP4-613B2	#####	1.030885	0.351	0.022	#####	Oligo	RP4-613B23. 1
UNC5C	#####	0.713668	0.186	0.004	#####	Oligo	UNC5C
RP11-286E	#####	0.764417	0.219	0.006	#####	Oligo	RP11-286E11. 1
CLDND1. 6	#####	1.807552	0.972	0.372	#####	Oligo	CLDND1
SLAIN1. 9	#####	1.715457	0.786	0.181	#####	Oligo	SLAIN1
RBP7. 4	#####	1.292789	0.402	0.032	#####	Oligo	RBP7
SCD. 8	#####	1.822638	0.795	0.19	#####	Oligo	SCD
CLMN. 3	#####	1.032794	0.372	0.028	#####	Oligo	CLMN
FAM222A. 4	#####	0.857899	0.315	0.019	#####	Oligo	FAM222A
TMCC2. 1	#####	0.858351	0.308	0.018	#####	Oligo	TMCC2
PLEKHG3. 2	#####	0.941901	0.308	0.018	#####	Oligo	PLEKHG3
CA2. 7	#####	1.681768	0.826	0.203	#####	Oligo	CA2
SLC48A1. 5	#####	1.535529	0.649	0.113	#####	Oligo	SLC48A1
CLCA4	#####	0.416151	0.115	0	#####	Oligo	CLCA4
COL4A5. 4	#####	0.884936	0.32	0.02	#####	Oligo	COL4A5
DNAJC6. 5	#####	1.070786	0.414	0.038	#####	Oligo	DNAJC6
LINC00323	#####	0.501886	0.169	0.003	#####	Oligo	LINC00323
ADAP1. 3	#####	0.930827	0.369	0.028	#####	Oligo	ADAP1
FAM107B. 6	#####	1.459942	0.628	0.103	#####	Oligo	FAM107B
OLIG1. 9	#####	1.516881	0.751	0.158	#####	Oligo	OLIG1

PIP4K2A. 5	#####	1.463409	0.652	0.118	#####	Oligo	PIP4K2A
STXBP6	#####	0.733996	0.233	0.009	#####	Oligo	STXBP6
KCNMB4. 8	#####	1.520691	0.616	0.105	#####	Oligo	KCNMB4
KLHL32	#####	0.807417	0.247	0.011	#####	Oligo	KLHL32
PLCH2	#####	0.496897	0.174	0.004	#####	Oligo	PLCH2
NTM. 7	#####	1.3166	0.593	0.093	#####	Oligo	NTM
VSTM2B	#####	0.700227	0.24	0.011	#####	Oligo	VSTM2B
ARHGAP23.	#####	1.069874	0.4	0.039	#####	Oligo	ARHGAP23
USH1C	#####	0.544738	0.129	0.001	#####	Oligo	USH1C
SMIM6	#####	0.513242	0.122	0.001	#####	Oligo	SMIM6
AIF1L. 8	#####	1.349196	0.593	0.095	#####	Oligo	AIF1L
TTYH2. 7	#####	1.535046	0.586	0.098	#####	Oligo	TTYH2
LPAR1. 3	#####	1.05662	0.386	0.036	#####	Oligo	LPAR1
MAP6D1. 7	#####	1.262854	0.496	0.067	#####	Oligo	MAP6D1
TP53TG5	#####	0.60429	0.136	0.002	#####	Oligo	TP53TG5
QDPR. 7	#####	1.633294	0.901	0.34	#####	Oligo	QDPR
SLC12A2. 8	#####	1.44718	0.612	0.112	#####	Oligo	SLC12A2
PDIA2	#####	0.747393	0.174	0.005	#####	Oligo	PDIA2
MEGF10	#####	0.673564	0.226	0.01	#####	Oligo	MEGF10
LINC00844	#####	1.480552	0.565	0.089	#####	Oligo	LINC00844
ABCA8. 7	#####	1.335266	0.473	0.059	#####	Oligo	ABCA8
JAKMIP3	#####	0.41458	0.12	0.001	#####	Oligo	JAKMIP3
TPPP3. 9	#####	1.624793	0.673	0.134	#####	Oligo	TPPP3
FAM131C	#####	0.557714	0.16	0.004	#####	Oligo	FAM131C
EVI2A. 8	#####	1.427044	0.819	0.201	#####	Oligo	EVI2A
SERPINI1.	#####	1.175201	0.393	0.04	#####	Oligo	SERPINI1
LARP6. 7	#####	1.555053	0.706	0.173	#####	Oligo	LARP6
C10orf90	#####	0.709981	0.214	0.009	#####	Oligo	C10orf90
APLP1. 9	#####	1.625266	0.864	0.332	#####	Oligo	APLP1
NIPAL4	#####	0.523917	0.125	0.001	#####	Oligo	NIPAL4
ANK3. 8	#####	1.106957	0.416	0.047	#####	Oligo	ANK3
SMIM5	#####	0.783423	0.212	0.009	#####	Oligo	SMIM5
IP6K3	#####	0.564116	0.134	0.002	#####	Oligo	IP6K3
ATP10B. 1	#####	0.738391	0.268	0.017	#####	Oligo	ATP10B
LANCL1. 7	#####	1.364539	0.569	0.1	#####	Oligo	LANCL1
RP11-953E	#####	0.544602	0.092	0	#####	Oligo	RP11-953B20. 1
ENPP6	#####	0.685447	0.205	0.008	#####	Oligo	ENPP6
S1PR5	#####	0.763277	0.209	0.009	#####	Oligo	S1PR5
CDH19	#####	0.515141	0.146	0.003	#####	Oligo	CDH19
FEZ1. 8	#####	1.385636	0.913	0.411	#####	Oligo	FEZ1
FGF1. 7	#####	1.214672	0.508	0.078	#####	Oligo	FGF1
ST6GALNAC	#####	0.630985	0.219	0.011	#####	Oligo	ST6GALNAC3
TTLL7. 9	#####	1.49177	0.751	0.218	#####	Oligo	TTLL7
PDE1A	#####	0.566408	0.198	0.008	#####	Oligo	PDE1A
TSC22D4. 9	#####	1.308929	0.946	0.452	#####	Oligo	TSC22D4
SEPP1. 5	#####	1.346623	0.896	0.307	#####	Oligo	SEPP1
C21orf91.	#####	0.701889	0.271	0.018	#####	Oligo	C21orf91
DNAH17	#####	0.627447	0.172	0.006	#####	Oligo	DNAH17
HOXD1	#####	0.580552	0.205	0.009	#####	Oligo	HOXD1
GPRC5B. 7	#####	1.499748	0.72	0.2	#####	Oligo	GPRC5B
RAB40B. 9	#####	1.297497	0.581	0.113	#####	Oligo	RAB40B

PAQR8.6	#####	1.226147	0.506	0.081	#####	Oligo	PAQR8
SVIP.5	#####	1.463741	0.654	0.151	#####	Oligo	SVIP
SEPT8.9	#####	1.489431	0.685	0.177	#####	Oligo	8-Sep
CERCAM.7	#####	1.369081	0.572	0.113	#####	Oligo	CERCAM
RHOU.7	#####	1.293117	0.588	0.117	#####	Oligo	RHOU
PLA2G16.7	#####	1.47806	0.901	0.385	#####	Oligo	PLA2G16
CRYAB.9	#####	1.36417	0.981	0.481	#####	Oligo	CRYAB
RP3-406A7	#####	0.512524	0.122	0.002	#####	Oligo	RP3-406A7.7
CSRP1.6	#####	1.488659	0.746	0.219	#####	Oligo	CSRP1
TPRN	#####	0.91523	0.301	0.026	#####	Oligo	TPRN
MBNL2.4	#####	1.103756	0.501	0.08	#####	Oligo	MBNL2
C1orf198.	#####	1.255592	0.518	0.089	#####	Oligo	C1orf198
HDAC11.3	#####	1.119235	0.407	0.052	#####	Oligo	HDAC11
ATP1B1.7	#####	1.425863	0.734	0.216	#####	Oligo	ATP1B1
FAM102A.6	#####	1.236829	0.494	0.083	#####	Oligo	FAM102A
PTPRK.6	#####	0.96738	0.384	0.045	#####	Oligo	PTPRK
CES4A.1	#####	0.979894	0.219	0.012	#####	Oligo	CES4A
SGCD	#####	0.392583	0.111	0.002	#####	Oligo	SGCD
RNF144A.4	#####	0.821062	0.32	0.032	#####	Oligo	RNF144A
SYNJ2.4	#####	0.998705	0.327	0.035	#####	Oligo	SYNJ2
ERMP1	#####	0.554362	0.216	0.013	#####	Oligo	ERMP1
SLC44A1.6	#####	1.444977	0.776	0.296	#####	Oligo	SLC44A1
VWA1.9	#####	1.309887	0.574	0.128	#####	Oligo	VWA1
CDC42EP1.	#####	1.287774	0.544	0.112	#####	Oligo	CDC42EP1
NDRG1.5	#####	1.257129	0.661	0.153	#####	Oligo	NDRG1
SEMA4D.8	#####	1.050273	0.447	0.067	#####	Oligo	SEMA4D
ADCY5	#####	0.640342	0.176	0.008	#####	Oligo	ADCY5
RAPGEF3	#####	0.594859	0.188	0.01	#####	Oligo	RAPGEF3
TJP2.4	#####	0.997308	0.348	0.042	#####	Oligo	TJP2
PRCD.6	#####	1.042345	0.275	0.024	#####	Oligo	PRCD
TMSB10.7	#####	-1.19614	0.466	0.983	#####	Oligo	TMSB10
ZNF536.7	#####	0.860864	0.311	0.033	#####	Oligo	ZNF536
RP11-496D	#####	0.352962	0.085	0.001	#####	Oligo	RP11-496D24.2
HMSD	#####	0.47619	0.115	0.003	#####	Oligo	HMSD
NACAD.8	#####	1.119594	0.449	0.076	#####	Oligo	NACAD
SIRT2.7	#####	1.348048	0.84	0.4	#####	Oligo	SIRT2
ZCCHC24.7	#####	1.274471	0.471	0.086	#####	Oligo	ZCCHC24
PCDH9.7	#####	1.328238	0.729	0.237	#####	Oligo	PCDH9
PAQR6.7	#####	1.072986	0.405	0.06	#####	Oligo	PAQR6
FAXDC2.6	#####	0.988846	0.358	0.046	#####	Oligo	FAXDC2
CTNNA3	#####	0.496061	0.153	0.006	#####	Oligo	CTNNA3
GPM6B.9	#####	0.960952	0.984	0.605	#####	Oligo	GPM6B
TMTC2.4	#####	0.902876	0.334	0.04	#####	Oligo	TMTC2
SLC7A14	#####	0.555612	0.136	0.005	#####	Oligo	SLC7A14
KCTD4	#####	0.562165	0.111	0.002	#####	Oligo	KCTD4
CPEB1	#####	0.662625	0.205	0.013	#####	Oligo	CPEB1
SGK2	#####	0.357515	0.092	0.001	#####	Oligo	SGK2
GNAO1.7	#####	1.046675	0.454	0.077	#####	Oligo	GNAO1
USP54.6	#####	0.945855	0.32	0.037	#####	Oligo	USP54
FAAH	#####	0.740114	0.245	0.021	#####	Oligo	FAAH
PACS2.4	#####	1.257878	0.539	0.12	#####	Oligo	PACS2



DTX4	#####	0.623967	0.191	0.011	#####	Oligo	DTX4
CBR1.7	#####	1.139333	0.882	0.461	#####	Oligo	CBR1
S100B.8	#####	1.121191	0.901	0.514	#####	Oligo	S100B
MAPK8IP1.	#####	1.311008	0.619	0.175	#####	Oligo	MAPK8IP1
SEMA3B-AS	#####	0.483435	0.12	0.003	#####	Oligo	SEMA3B-AS1
DOCK9	#####	0.632673	0.209	0.015	#####	Oligo	DOCK9
NIPAL3.4	#####	1.043597	0.416	0.068	#####	Oligo	NIPAL3
HPN	#####	0.395379	0.092	0.001	#####	Oligo	HPN
SLC31A2.9	#####	1.24251	0.659	0.175	#####	Oligo	SLC31A2
GPD1.8	#####	0.957855	0.32	0.038	#####	Oligo	GPD1
PMP22.7	#####	1.151311	0.885	0.41	#####	Oligo	PMP22
PHLDB1.8	#####	1.251213	0.541	0.126	#####	Oligo	PHLDB1
FAIM2.8	#####	1.315717	0.624	0.175	#####	Oligo	FAIM2
CYB5R2.4	#####	0.84021	0.247	0.022	#####	Oligo	CYB5R2
GNAI1.7	#####	1.036564	0.473	0.091	#####	Oligo	GNAI1
SPOCK1.8	#####	1.01854	0.419	0.068	#####	Oligo	SPOCK1
RASGRP3.7	#####	0.880738	0.386	0.057	#####	Oligo	RASGRP3
CDKN1C.7	#####	1.075386	0.494	0.1	#####	Oligo	CDKN1C
PPP2R2C.1	#####	0.445246	0.162	0.009	#####	Oligo	PPP2R2C
FAM171A1.	#####	0.980088	0.391	0.065	#####	Oligo	FAM171A1
PRUNE2.7	#####	1.089464	0.496	0.103	#####	Oligo	PRUNE2
MOB3B.6	#####	0.938489	0.445	0.081	#####	Oligo	MOB3B
LIMCH1.7	#####	1.189831	0.546	0.137	#####	Oligo	LIMCH1
SUN2.5	#####	1.281887	0.656	0.202	#####	Oligo	SUN2
TSPAN15.8	#####	0.952272	0.402	0.065	#####	Oligo	TSPAN15
LIPE.4	#####	0.847029	0.341	0.05	#####	Oligo	LIPE
DNM3.7	#####	0.972619	0.416	0.076	#####	Oligo	DNM3
GAS7.2	#####	1.102912	0.466	0.097	#####	Oligo	GAS7
FAM124A.4	#####	0.775768	0.264	0.029	#####	Oligo	FAM124A
TRIM59.1	#####	0.597359	0.207	0.017	#####	Oligo	TRIM59
MTMR10.2	#####	1.001702	0.358	0.055	#####	Oligo	MTMR10
NIPA1.2	#####	0.836648	0.311	0.042	#####	Oligo	NIPA1
FAM13C.6	#####	0.737538	0.273	0.031	#####	Oligo	FAM13C
TSPAN8	#####	0.318646	0.073	0.001	#####	Oligo	TSPAN8
SECISBP2L	#####	1.248437	0.567	0.159	#####	Oligo	SECISBP2L
C2orf82	#####	0.623618	0.179	0.012	#####	Oligo	C2orf82
APBB1.8	#####	1.260164	0.591	0.175	#####	Oligo	APBB1
CALN1	#####	0.318221	0.101	0.003	#####	Oligo	CALN1
CTD-2049C	#####	0.394848	0.096	0.002	#####	Oligo	CTD-204904.1
ELOVL1.5	#####	1.26249	0.649	0.215	#####	Oligo	ELOVL1
SH3TC2	#####	0.356254	0.108	0.003	#####	Oligo	SH3TC2
AFMID.4	#####	1.031951	0.452	0.092	#####	Oligo	AFMID
KIAA1755	#####	0.536934	0.167	0.011	#####	Oligo	KIAA1755
BACE1.6	#####	1.15751	0.466	0.105	#####	Oligo	BACE1
KIF1A.8	#####	1.118946	0.487	0.113	#####	Oligo	KIF1A
EPB41L3.9	#####	1.012966	0.459	0.092	#####	Oligo	EPB41L3
CLCN4.8	#####	0.821141	0.315	0.045	#####	Oligo	CLCN4
STMN1.8	#####	1.011845	0.967	0.618	#####	Oligo	STMN1
THBS2.1	#####	0.665522	0.259	0.029	#####	Oligo	THBS2
SERTAD4-A	#####	0.505553	0.141	0.007	#####	Oligo	SERTAD4-AS1
SHROOM4	#####	0.680546	0.228	0.023	#####	Oligo	SHROOM4

MID1IP1.4	#####	1.122876	0.692	0.245	#####	Oligo	MID1IP1
ZDHC9.9	#####	1.161182	0.551	0.153	#####	Oligo	ZDHC9
PLXNB1.7	#####	0.982386	0.367	0.064	#####	Oligo	PLXNB1
TBCB.7	#####	0.766742	0.934	0.648	#####	Oligo	TBCB
RP11-236E	#####	0.366316	0.096	0.003	#####	Oligo	RP11-236B18.5
FAM19A4	#####	0.241689	0.059	0	#####	Oligo	FAM19A4
DLG2.5	#####	0.783869	0.289	0.039	#####	Oligo	DLG2
TRIM2.7	#####	1.188183	0.614	0.209	#####	Oligo	TRIM2
MTUS1.5	#####	1.071145	0.52	0.133	#####	Oligo	MTUS1
MVB12B.8	#####	1.038627	0.424	0.088	#####	Oligo	MVB12B
CYP2J2	#####	0.472319	0.155	0.01	#####	Oligo	CYP2J2
TMEFF2.9	#####	0.836634	0.379	0.066	#####	Oligo	TMEFF2
C9orf3.7	#####	0.954468	0.442	0.092	#####	Oligo	C9orf3
NEO1.6	#####	0.926689	0.353	0.062	#####	Oligo	NEO1
PVRL1.8	#####	0.885847	0.322	0.051	#####	Oligo	PVRL1
COBL.7	#####	0.84928	0.341	0.057	#####	Oligo	COBL
SLC22A15	#####	0.480248	0.136	0.008	#####	Oligo	SLC22A15
SORT1.5	#####	1.197539	0.605	0.215	#####	Oligo	SORT1
GSN.8	#####	1.007167	0.854	0.497	#####	Oligo	GSN
PRIMA1	#####	0.384506	0.136	0.008	#####	Oligo	PRIMA1
SEPW1.3	#####	0.914587	0.899	0.664	#####	Oligo	SEPW1
LGI4	#####	0.493668	0.139	0.008	#####	Oligo	LGI4
CST3.6	#####	-1.21455	0.32	0.804	#####	Oligo	CST3
CADM2.8	#####	1.033007	0.572	0.174	#####	Oligo	CADM2
GLTP.5	#####	1.190524	0.645	0.254	#####	Oligo	GLTP
CFL2.7	#####	1.189083	0.722	0.313	#####	Oligo	CFL2
KIRREL3.1	#####	0.589601	0.205	0.02	#####	Oligo	KIRREL3
ALB	#####	0.289988	0.078	0.002	#####	Oligo	ALB
INF2.6	#####	0.928664	0.379	0.074	#####	Oligo	INF2
QKI.6	#####	1.034139	0.769	0.46	#####	Oligo	QKI
TMC7.2	#####	0.741425	0.268	0.037	#####	Oligo	TMC7
SIK3.6	#####	1.039053	0.416	0.094	#####	Oligo	SIK3
EML2.3	#####	0.941332	0.372	0.072	#####	Oligo	EML2
KIAA0930.	#####	1.098238	0.496	0.132	#####	Oligo	KIAA0930
PPM1H	#####	0.331015	0.118	0.006	#####	Oligo	PPM1H
LDHA.5	#####	-1.28828	0.181	0.788	#####	Oligo	LDHA
MFAP3L.7	#####	0.793438	0.292	0.046	#####	Oligo	MFAP3L
FIS1.6	#####	0.864178	0.873	0.629	#####	Oligo	FIS1
ROGDI.5	#####	1.159959	0.595	0.213	#####	Oligo	ROGDI
SASH1.6	#####	0.850978	0.334	0.06	#####	Oligo	SASH1
MAN2A1.6	#####	0.994239	0.428	0.098	#####	Oligo	MAN2A1
PXK.3	#####	0.999221	0.485	0.127	#####	Oligo	PXK
KIAA1324L	#####	0.570552	0.209	0.022	#####	Oligo	KIAA1324L
CDC42EP2.	#####	0.876114	0.235	0.029	#####	Oligo	CDC42EP2
SLC6A8.5	#####	1.018171	0.438	0.106	#####	Oligo	SLC6A8
HEPACAM.8	#####	0.998424	0.551	0.164	#####	Oligo	HEPACAM
GPX1.9	#####	-1.15581	0.304	0.833	#####	Oligo	GPX1
PI16	#####	0.432597	0.115	0.006	#####	Oligo	PI16
CTD-2380F	#####	0.385485	0.073	0.002	#####	Oligo	CTD-2380F24.1
NALCN	#####	0.478541	0.155	0.012	#####	Oligo	NALCN
CLIC1.7	#####	-1.6547	0.04	0.645	#####	Oligo	CLIC1

SFTPC	#####	0.312478	0.08	0.002	#####	Oligo	SFTPC
CAMK2N1.9	#####	1.025976	0.678	0.303	#####	Oligo	CAMK2N1
SEMA3C	#####	0.404998	0.134	0.009	#####	Oligo	SEMA3C
OTUD7A	#####	0.559035	0.092	0.003	#####	Oligo	OTUD7A
RAB11FIP4	#####	0.69173	0.247	0.033	#####	Oligo	RAB11FIP4
IP013.5	#####	1.005376	0.412	0.096	#####	Oligo	IP013
C8orf46.7	#####	0.977214	0.478	0.127	#####	Oligo	C8orf46
PEBP1.9	#####	0.707579	0.965	0.798	#####	Oligo	PEBP1
PHLPP1.9	#####	1.05979	0.36	0.074	#####	Oligo	PHLPP1
S100A11.9	#####	-1.60682	0.099	0.678	#####	Oligo	S100A11
TIMP1.7	#####	-1.77758	0.047	0.642	#####	Oligo	TIMP1
RCAN2.6	#####	0.684584	0.256	0.036	#####	Oligo	RCAN2
CLASP2.8	#####	0.956257	0.562	0.183	#####	Oligo	CLASP2
LDLRAP1.4	#####	0.799333	0.292	0.048	#####	Oligo	LDLRAP1
ITPKB.2	#####	0.846517	0.334	0.063	#####	Oligo	ITPKB
CD99.5	#####	-1.55852	0.078	0.659	#####	Oligo	CD99
NXPE3.3	#####	0.842964	0.367	0.077	#####	Oligo	NXPE3
CRHBP	#####	0.467918	0.094	0.004	#####	Oligo	CRHBP
CNTNAP2	#####	0.349366	0.113	0.006	#####	Oligo	CNTNAP2
JAM3.5	#####	1.028729	0.473	0.137	1.05E-99	Oligo	JAM3
TMTC4.8	#####	0.951111	0.386	0.088	1.83E-98	Oligo	TMTC4
LAPTM4A.5	#####	-1.01636	0.261	0.792	2.40E-98	Oligo	LAPTM4A
PAIP2B	#####	0.676154	0.179	0.018	4.28E-98	Oligo	PAIP2B
PSAT1.8	#####	1.087055	0.56	0.19	5.11E-98	Oligo	PSAT1
VIM.7	#####	-1.51798	0.151	0.683	1.97E-97	Oligo	VIM
DLG1.8	#####	1.002264	0.489	0.154	1.25E-96	Oligo	DLG1
USP31.5	#####	0.709833	0.268	0.043	2.25E-96	Oligo	USP31
SPP1.6	#####	0.630248	0.974	0.849	1.25E-95	Oligo	SPP1
LLGL1.7	#####	0.893032	0.379	0.089	1.43E-95	Oligo	LLGL1
SPNS2.1	1.09E-99	0.668885	0.205	0.024	1.63E-95	Oligo	SPNS2
ID2.6	1.52E-99	-1.41129	0.113	0.674	2.27E-95	Oligo	ID2
AMOTL2.6	2.06E-99	0.774178	0.346	0.071	3.08E-95	Oligo	AMOTL2
TYRO3.8	3.18E-99	1.039171	0.395	0.098	4.75E-95	Oligo	TYRO3
TMC6.9	1.25E-98	0.805115	0.421	0.1	1.87E-94	Oligo	TMC6
DACT3.7	4.03E-98	0.792604	0.334	0.067	6.02E-94	Oligo	DACT3
RNF220.5	1.97E-97	0.962741	0.466	0.136	2.94E-93	Oligo	RNF220
AJAP1	2.82E-97	0.279744	0.087	0.004	4.21E-93	Oligo	AJAP1
ADD3.5	4.42E-97	0.886175	0.445	0.121	6.61E-93	Oligo	ADD3
DYNLL1.6	8.35E-97	0.637047	0.974	0.831	1.25E-92	Oligo	DYNLL1
PKM.6	2.30E-96	-1.08509	0.336	0.787	3.44E-92	Oligo	PKM
PTMA.7	6.13E-96	0.598536	0.995	0.966	9.16E-92	Oligo	PTMA
ADIPOR2.3	5.49E-95	1.086322	0.464	0.139	8.21E-91	Oligo	ADIPOR2
PHYHIPL.7	5.81E-95	0.966605	0.534	0.172	8.68E-91	Oligo	PHYHIPL
RGN.8	6.35E-95	0.85617	0.318	0.063	9.48E-91	Oligo	RGN
FAM53B.5	7.05E-95	0.612805	0.266	0.043	1.05E-90	Oligo	FAM53B
KIF19	1.21E-94	0.563532	0.108	0.006	1.80E-90	Oligo	KIF19
YPEL2.3	2.98E-94	0.795168	0.313	0.06	4.46E-90	Oligo	YPEL2
HN1.4	3.05E-94	-1.14631	0.169	0.694	4.56E-90	Oligo	HN1
CALM2.6	3.43E-94	0.602128	0.991	0.93	5.12E-90	Oligo	CALM2
BIN1.7	2.11E-93	0.917781	0.72	0.348	3.16E-89	Oligo	BIN1
ENPP4.5	4.52E-93	0.627814	0.273	0.046	6.76E-89	Oligo	ENPP4

ENDOD1.7	2.25E-92	1.014042	0.442	0.132	3.36E-88	Oligo	ENDOD1
SLC6A1	2.36E-92	0.546679	0.186	0.022	3.52E-88	Oligo	SLC6A1
PHGDH.8	4.85E-92	1.042737	0.546	0.187	7.24E-88	Oligo	PHGDH
CELSR2.7	8.08E-92	0.851248	0.353	0.083	1.21E-87	Oligo	CELSR2
PAQR4.8	4.23E-91	0.99768	0.478	0.152	6.32E-87	Oligo	PAQR4
UNC5B.8	4.29E-91	0.818294	0.344	0.074	6.41E-87	Oligo	UNC5B
DPYSL2.8	1.03E-90	1.00895	0.694	0.413	1.54E-86	Oligo	DPYSL2
SLC6A9.3	2.20E-90	0.655884	0.235	0.036	3.29E-86	Oligo	SLC6A9
SMS.4	5.12E-90	-1.28988	0.049	0.592	7.66E-86	Oligo	SMS
RALGDS.5	3.73E-89	0.954626	0.461	0.14	5.57E-85	Oligo	RALGDS
CTSB.6	5.02E-89	-1.07968	0.296	0.774	7.51E-85	Oligo	CTSB
HSPB1.4	5.17E-89	-1.22463	0.176	0.672	7.73E-85	Oligo	HSPB1
ARHGEF37.7	7.56E-89	0.679829	0.235	0.036	1.13E-84	Oligo	ARHGEF37
TPTEP1.3	9.56E-89	0.568319	0.193	0.024	1.43E-84	Oligo	TPTEP1
ARHGAP21.2	2.45E-88	1.029244	0.574	0.238	3.66E-84	Oligo	ARHGAP21
AGAP1.7	5.64E-88	0.92844	0.4	0.109	8.43E-84	Oligo	AGAP1
KIF6	5.88E-88	0.414283	0.092	0.005	8.79E-84	Oligo	KIF6
RAB33A.7	5.75E-87	1.013174	0.386	0.096	8.59E-83	Oligo	RAB33A
TFEB.7	1.02E-86	0.749051	0.322	0.068	1.52E-82	Oligo	TFEB
UBB.6	1.39E-86	0.56857	0.984	0.908	2.07E-82	Oligo	UBB
PKP4.5	2.16E-86	0.685208	0.259	0.046	3.22E-82	Oligo	PKP4
PHLDA3.6	3.04E-86	0.979273	0.475	0.159	4.54E-82	Oligo	PHLDA3
GLDN.8	3.48E-86	0.732233	0.372	0.086	5.20E-82	Oligo	GLDN
DIXDC1.8	4.74E-86	0.828147	0.353	0.085	7.09E-82	Oligo	DIXDC1
MXI1.5	1.91E-85	0.982143	0.426	0.122	2.86E-81	Oligo	MXI1
GAB1.7	2.65E-85	0.846444	0.362	0.092	3.96E-81	Oligo	GAB1
NUAK1.5	2.67E-85	0.763463	0.301	0.062	3.99E-81	Oligo	NUAK1
TARSL2.7	4.54E-85	0.854567	0.381	0.1	6.78E-81	Oligo	TARSL2
SHROOM1.2	7.62E-85	0.76421	0.278	0.055	1.14E-80	Oligo	SHROOM1
FXYD4	1.04E-84	0.356567	0.04	0	1.55E-80	Oligo	FXYD4
DIP2B.5	1.13E-84	0.817447	0.395	0.109	1.69E-80	Oligo	DIP2B
LAMP2.6	1.17E-84	0.821515	0.753	0.46	1.75E-80	Oligo	LAMP2
ARL8A.7	2.45E-84	0.956406	0.591	0.26	3.65E-80	Oligo	ARL8A
NCAM1.9	2.89E-84	0.958908	0.661	0.323	4.32E-80	Oligo	NCAM1
CTC-529P8	3.59E-84	0.32706	0.059	0.002	5.36E-80	Oligo	CTC-529P8.1
CXorf36	6.06E-84	0.1857	0.052	0.001	9.05E-80	Oligo	CXorf36
S100A10.9	1.43E-83	-1.51977	0.045	0.563	2.14E-79	Oligo	S100A10
SNHG18.1	1.55E-83	0.473136	0.158	0.017	2.31E-79	Oligo	SNHG18
PRR5L	2.70E-83	0.635816	0.193	0.027	4.04E-79	Oligo	PRR5L
APP.8	4.25E-83	0.815166	0.786	0.515	6.36E-79	Oligo	APP
SDCBP.6	5.86E-83	-0.98318	0.264	0.746	8.76E-79	Oligo	SDCBP
RTKN.9	6.51E-83	0.9937	0.473	0.16	9.73E-79	Oligo	RTKN
CHI3L1.8	9.25E-83	-2.01949	0.031	0.543	1.38E-78	Oligo	CHI3L1
CCP110.7	2.13E-82	0.924206	0.4	0.113	3.18E-78	Oligo	CCP110
FNTB.4	5.19E-82	0.780903	0.329	0.077	7.76E-78	Oligo	FNTB
PIK3C2B	9.05E-82	0.584461	0.179	0.023	1.35E-77	Oligo	PIK3C2B
RP11-134L	1.19E-81	0.235411	0.082	0.004	1.78E-77	Oligo	RP11-134L10.1
IGSF8.7	2.88E-81	0.977198	0.525	0.201	4.31E-77	Oligo	IGSF8
SAT1.7	5.75E-81	-0.96278	0.386	0.818	8.59E-77	Oligo	SAT1
TUBA1A.8	7.69E-81	0.566545	0.981	0.801	1.15E-76	Oligo	TUBA1A
HMG1.5	9.59E-81	-0.97763	0.224	0.681	1.43E-76	Oligo	HMG1

BTG1. 8	2. 16E-80	-1. 02727	0. 256	0. 705	3. 22E-76	Oligo	BTG1
VAMP2. 8	4. 73E-80	0. 714203	0. 849	0. 614	7. 07E-76	Oligo	VAMP2
MFSD6. 5	9. 51E-80	0. 725795	0. 275	0. 056	1. 42E-75	Oligo	MFSD6
PHACTR3. 8	1. 24E-79	0. 704613	0. 313	0. 069	1. 86E-75	Oligo	PHACTR3
NENF. 5	4. 28E-79	0. 789646	0. 718	0. 486	6. 40E-75	Oligo	NENF
NPC1. 1	5. 82E-79	0. 868733	0. 36	0. 095	8. 70E-75	Oligo	NPC1
TMEM98. 6	1. 10E-78	1. 139962	0. 539	0. 224	1. 65E-74	Oligo	TMEM98
MAN2A2. 3	1. 21E-78	0. 811894	0. 301	0. 067	1. 80E-74	Oligo	MAN2A2
DAPK2	1. 39E-78	0. 413423	0. 127	0. 012	2. 08E-74	Oligo	DAPK2
POLR2F. 6	4. 89E-78	0. 868542	0. 8	0. 532	7. 31E-74	Oligo	POLR2F
CD9. 4	6. 42E-78	0. 823107	0. 906	0. 553	9. 59E-74	Oligo	CD9
DENND5A. 4	1. 19E-77	0. 966429	0. 473	0. 168	1. 77E-73	Oligo	DENND5A
OSBPL1A. 6	1. 20E-77	0. 900573	0. 487	0. 18	1. 79E-73	Oligo	OSBPL1A
NT5DC1. 4	3. 47E-77	0. 688434	0. 247	0. 045	5. 19E-73	Oligo	NT5DC1
BST2. 8	4. 16E-77	-1. 59065	0. 016	0. 503	6. 22E-73	Oligo	BST2
MOSPD2. 3	4. 87E-77	0. 77611	0. 367	0. 1	7. 28E-73	Oligo	MOSPD2
RGCC. 7	1. 50E-76	0. 807713	0. 607	0. 237	2. 25E-72	Oligo	RGCC
ARPC1B. 9	2. 56E-76	-1. 35371	0. 059	0. 549	3. 83E-72	Oligo	ARPC1B
PRKACB. 4	2. 67E-76	0. 912228	0. 52	0. 204	3. 99E-72	Oligo	PRKACB
MYOT	4. 88E-76	0. 414192	0. 101	0. 007	7. 29E-72	Oligo	MYOT
ARPC2. 7	1. 01E-75	-0. 78788	0. 365	0. 789	1. 52E-71	Oligo	ARPC2
KLF13. 3	1. 05E-75	0. 824292	0. 393	0. 115	1. 58E-71	Oligo	KLF13
DYNC1I2. 7	1. 18E-75	0. 835258	0. 706	0. 46	1. 76E-71	Oligo	DYNC1I2
CDK19. 4	3. 11E-75	0. 891775	0. 391	0. 116	4. 64E-71	Oligo	CDK19
IFITM3. 4	3. 15E-75	-1. 51605	0. 038	0. 52	4. 71E-71	Oligo	IFITM3
SAMD12	4. 11E-75	0. 279162	0. 082	0. 005	6. 14E-71	Oligo	SAMD12
OTUD7B. 7	6. 39E-75	0. 822246	0. 346	0. 092	9. 55E-71	Oligo	OTUD7B
PTK2. 6	7. 84E-75	0. 944444	0. 468	0. 167	1. 17E-70	Oligo	PTK2
MARCKS. 6	1. 51E-74	-1. 07013	0. 141	0. 615	2. 26E-70	Oligo	MARCKS
ZNF365	1. 92E-74	0. 586489	0. 16	0. 021	2. 87E-70	Oligo	ZNF365
PTMS. 8	2. 69E-74	-1. 14824	0. 092	0. 57	4. 03E-70	Oligo	PTMS
LGR5	3. 08E-74	0. 295386	0. 078	0. 004	4. 60E-70	Oligo	LGR5
TLE4. 6	7. 09E-74	0. 889689	0. 442	0. 153	1. 06E-69	Oligo	TLE4
FRMD4B. 9	1. 02E-73	0. 776887	0. 464	0. 148	1. 52E-69	Oligo	FRMD4B
SNX22. 1	1. 98E-73	0. 75403	0. 275	0. 058	2. 96E-69	Oligo	SNX22
TRAM1L1	2. 25E-73	0. 455023	0. 113	0. 01	3. 36E-69	Oligo	TRAM1L1
ANXA2. 7	4. 61E-73	-1. 38385	0. 054	0. 531	6. 89E-69	Oligo	ANXA2
FAM134B. 7	4. 64E-73	0. 84003	0. 445	0. 155	6. 93E-69	Oligo	FAM134B
IL1RAPL1	1. 04E-72	0. 373414	0. 096	0. 007	1. 56E-68	Oligo	IL1RAPL1
FCGRT. 8	1. 13E-72	-1. 29967	0. 094	0. 567	1. 69E-68	Oligo	FCGRT
HLA-DPA1. 1	2. 2E-72	-1. 48071	0. 089	0. 55	1. 83E-68	Oligo	HLA-DPA1
BTBD16	1. 30E-72	0. 350583	0. 059	0. 002	1. 95E-68	Oligo	BTBD16
PTPRH	2. 28E-72	0. 287205	0. 094	0. 007	3. 41E-68	Oligo	PTPRH
LZTS2. 3	2. 41E-72	0. 713746	0. 299	0. 071	3. 60E-68	Oligo	LZTS2
FMNL2. 7	4. 73E-72	0. 923919	0. 551	0. 254	7. 07E-68	Oligo	FMNL2
MAP1A. 8	7. 76E-72	0. 961518	0. 522	0. 219	1. 16E-67	Oligo	MAP1A
MEGF9. 3	2. 89E-71	0. 740525	0. 325	0. 084	4. 31E-67	Oligo	MEGF9
SREBF1. 2	1. 86E-70	0. 792209	0. 369	0. 107	2. 78E-66	Oligo	SREBF1
DOCK10. 7	3. 01E-70	0. 786793	0. 388	0. 116	4. 51E-66	Oligo	DOCK10
COTL1. 8	3. 58E-70	-1. 17435	0. 066	0. 526	5. 35E-66	Oligo	COTL1
PCDH10. 7	4. 63E-70	0. 745826	0. 268	0. 06	6. 92E-66	Oligo	PCDH10

ITPK1.2	5.56E-70	0.761358	0.405	0.128	8.31E-66	Oligo	ITPK1
GAP43.9	6.15E-70	-1.63231	0.024	0.483	9.20E-66	Oligo	GAP43
SH3PXD2A.6	6.61E-70	0.493212	0.193	0.031	9.88E-66	Oligo	SH3PXD2A
DPYSL5.9	9.38E-70	0.914849	0.426	0.153	1.40E-65	Oligo	DPYSL5
ZFYVE16.4	1.06E-69	0.839967	0.449	0.161	1.58E-65	Oligo	ZFYVE16
LDLRAD4.7	1.08E-69	0.891339	0.426	0.135	1.61E-65	Oligo	LDLRAD4
SYT11.9	1.35E-69	0.811957	0.654	0.374	2.02E-65	Oligo	SYT11
MAPRE2.4	1.62E-69	0.82033	0.473	0.176	2.42E-65	Oligo	MAPRE2
MT1X.7	1.66E-69	-1.18095	0.12	0.595	2.48E-65	Oligo	MT1X
SBF1.2	3.16E-69	0.651138	0.268	0.059	4.73E-65	Oligo	SBF1
ANO4	5.15E-69	0.281167	0.08	0.005	7.69E-65	Oligo	ANO4
FTH1.6	5.15E-69	0.297429	0.965	0.931	7.70E-65	Oligo	FTH1
CTD-2325F	3.98E-68	0.448349	0.132	0.015	5.94E-64	Oligo	CTD-2325P2.4
CPOX.2	1.05E-67	0.666572	0.273	0.063	1.57E-63	Oligo	CPOX
CD151.8	1.16E-67	-1.21323	0.045	0.498	1.74E-63	Oligo	CD151
ZFP36L1.5	1.24E-67	-1.1543	0.122	0.576	1.86E-63	Oligo	ZFP36L1
FUT8.5	1.37E-67	0.812294	0.374	0.115	2.05E-63	Oligo	FUT8
HR.1	1.42E-67	0.451967	0.125	0.013	2.13E-63	Oligo	HR
STRN.1	2.58E-67	0.643458	0.256	0.056	3.85E-63	Oligo	STRN
DNAJB2.8	2.97E-67	0.911718	0.593	0.304	4.44E-63	Oligo	DNAJB2
ATP5I.2	4.39E-67	0.551321	0.849	0.748	6.57E-63	Oligo	ATP5I
DOHH.5	7.13E-67	0.863113	0.464	0.184	1.07E-62	Oligo	DOHH
HLA-DRA.8	9.50E-67	-1.19233	0.245	0.648	1.42E-62	Oligo	HLA-DRA
NRIP2	1.22E-66	0.276296	0.056	0.002	1.82E-62	Oligo	NRIP2
PLTP.7	1.29E-66	-1.40259	0.04	0.486	1.92E-62	Oligo	PLTP
MYH14	2.17E-66	0.337307	0.104	0.009	3.24E-62	Oligo	MYH14
SOX8.9	3.81E-66	0.883573	0.459	0.167	5.70E-62	Oligo	SOX8
GNAZ.7	4.94E-66	0.66492	0.249	0.053	7.38E-62	Oligo	GNAZ
SRGN.9	5.61E-66	-1.50985	0.082	0.515	8.39E-62	Oligo	SRGN
GALNT6.5	5.87E-66	0.45944	0.167	0.024	8.78E-62	Oligo	GALNT6
MPP2.8	1.17E-65	0.649629	0.245	0.052	1.74E-61	Oligo	MPP2
RP11-267C	1.18E-65	0.455466	0.071	0.004	1.76E-61	Oligo	RP11-267C16.1
LGALS3.7	1.31E-65	-1.48024	0.047	0.497	1.95E-61	Oligo	LGALS3
HS3ST5	1.55E-65	0.39455	0.099	0.008	2.32E-61	Oligo	HS3ST5
SCD5.8	4.20E-65	0.766192	0.673	0.384	6.27E-61	Oligo	SCD5
CERS2.3	5.53E-65	0.916614	0.511	0.221	8.27E-61	Oligo	CERS2
PADI2.7	6.45E-65	0.689337	0.412	0.124	9.64E-61	Oligo	PADI2
NDRG2.6	9.69E-65	0.896102	0.671	0.347	1.45E-60	Oligo	NDRG2
REPS2.1	1.14E-64	0.358137	0.118	0.012	1.70E-60	Oligo	REPS2
HLA-DRB1.1	1.63E-64	-1.3897	0.12	0.548	2.43E-60	Oligo	HLA-DRB1
HIPK2.7	7.28E-64	0.857588	0.501	0.21	1.09E-59	Oligo	HIPK2
TMED9.4	1.27E-63	-0.74982	0.254	0.706	1.89E-59	Oligo	TMED9
PALM2	1.93E-63	0.649668	0.165	0.025	2.89E-59	Oligo	PALM2
SLC3A2.2	3.32E-63	-0.99465	0.172	0.603	4.97E-59	Oligo	SLC3A2
SNX30.2	6.43E-63	0.572256	0.249	0.055	9.62E-59	Oligo	SNX30
JOSD2.7	6.80E-63	0.789105	0.612	0.324	1.02E-58	Oligo	JOSD2
PLA2G4C.3	1.05E-62	0.552574	0.202	0.038	1.57E-58	Oligo	PLA2G4C
RP11-862L	1.56E-62	0.638626	0.12	0.013	2.34E-58	Oligo	RP11-862L9.3
TTYH1.9	2.56E-62	0.72137	0.584	0.256	3.83E-58	Oligo	TTYH1
C2orf88	3.82E-62	0.348683	0.146	0.02	5.71E-58	Oligo	C2orf88
RPN2.3	4.71E-62	-0.89	0.226	0.639	7.04E-58	Oligo	RPN2

CDH8. 1	4. 79E-62	0. 382567	0. 118	0. 013	7. 16E-58	Oligo	CDH8
ART3	5. 15E-62	0. 479715	0. 082	0. 006	7. 70E-58	Oligo	ART3
RNF13. 7	5. 15E-62	0. 80054	0. 734	0. 471	7. 70E-58	Oligo	RNF13
PDPN. 5	5. 45E-62	-1. 2716	0. 04	0. 465	8. 14E-58	Oligo	PDPN
TPI1. 5	1. 39E-61	-0. 53411	0. 565	0. 877	2. 08E-57	Oligo	TPI1
SEPT7. 9	1. 99E-61	0. 607287	0. 856	0. 697	2. 97E-57	Oligo	7-Sep
SOWAHA	2. 09E-61	0. 227977	0. 061	0. 003	3. 12E-57	Oligo	SOWAHA
DUSP7	7. 56E-61	0. 4835	0. 165	0. 026	1. 13E-56	Oligo	DUSP7
PPDPF. 5	1. 41E-60	0. 439533	0. 88	0. 705	2. 11E-56	Oligo	PPDPF
GNG5. 7	2. 27E-60	-0. 86146	0. 264	0. 658	3. 39E-56	Oligo	GNG5
MCL1. 7	3. 82E-60	-0. 89315	0. 195	0. 614	5. 70E-56	Oligo	MCL1
RYBP. 4	4. 16E-60	0. 733152	0. 344	0. 106	6. 22E-56	Oligo	RYBP
CREB5. 8	7. 40E-60	0. 888177	0. 506	0. 225	1. 11E-55	Oligo	CREB5
C4orf48. 6	7. 90E-60	0. 704224	0. 671	0. 52	1. 18E-55	Oligo	C4orf48
APLP2. 7	9. 61E-60	-0. 88046	0. 198	0. 608	1. 44E-55	Oligo	APLP2
ZEB2. 5	1. 25E-59	0. 786886	0. 584	0. 293	1. 86E-55	Oligo	ZEB2
CEBPB. 9	1. 98E-59	-1. 16083	0. 038	0. 45	2. 96E-55	Oligo	CEBPB
ZDHHC14. 3	2. 13E-59	0. 635045	0. 275	0. 07	3. 18E-55	Oligo	ZDHHC14
CORO2B. 6	3. 34E-59	0. 800252	0. 313	0. 093	4. 99E-55	Oligo	CORO2B
LURAP1L	5. 27E-59	0. 37108	0. 108	0. 011	7. 88E-55	Oligo	LURAP1L
FAM178B	6. 31E-59	0. 342418	0. 075	0. 005	9. 43E-55	Oligo	FAM178B
RDX. 8	8. 02E-59	0. 674203	0. 687	0. 483	1. 20E-54	Oligo	RDX
MDK. 8	8. 18E-59	-1. 22886	0. 101	0. 505	1. 22E-54	Oligo	MDK
RHOC. 6	8. 53E-59	-1. 03129	0. 125	0. 548	1. 28E-54	Oligo	RHOC
MGAT3	8. 58E-59	0. 472516	0. 158	0. 025	1. 28E-54	Oligo	MGAT3
ANKRD65. 1	1. 47E-58	0. 630358	0. 184	0. 033	2. 20E-54	Oligo	ANKRD65
FAM63A	1. 53E-58	0. 522545	0. 184	0. 033	2. 29E-54	Oligo	FAM63A
SLC13A3	2. 11E-58	0. 372186	0. 115	0. 013	3. 16E-54	Oligo	SLC13A3
CBX7. 3	4. 38E-58	0. 700337	0. 261	0. 064	6. 55E-54	Oligo	CBX7
RP11-9G1. 4	9. 7E-58	0. 324376	0. 082	0. 007	7. 43E-54	Oligo	RP11-9G1. 3
ANXA1. 6	6. 16E-58	-1. 44613	0. 021	0. 424	9. 21E-54	Oligo	ANXA1
PRKCQ	7. 20E-58	0. 237621	0. 073	0. 005	1. 08E-53	Oligo	PRKCQ
CHN2. 5	7. 24E-58	0. 670601	0. 315	0. 089	1. 08E-53	Oligo	CHN2
EMP3. 8	7. 50E-58	-1. 11906	0. 047	0. 464	1. 12E-53	Oligo	EMP3
ELAVL3. 9	7. 71E-58	0. 761481	0. 586	0. 3	1. 15E-53	Oligo	ELAVL3
NRBP2. 7	1. 75E-57	0. 722572	0. 346	0. 113	2. 61E-53	Oligo	NRBP2
TSPYL5. 1	2. 68E-57	0. 301489	0. 087	0. 007	4. 00E-53	Oligo	TSPYL5
SOD2. 5	3. 46E-57	-1. 21061	0. 148	0. 551	5. 18E-53	Oligo	SOD2
RNASET2. 9	3. 63E-57	-1. 17683	0. 094	0. 497	5. 43E-53	Oligo	RNASET2
MARCKSL1. 7	5. 6E-57	0. 654498	0. 798	0. 535	1. 13E-52	Oligo	MARCKSL1
HLA-DPB1. 8	5. 4E-57	-1. 30958	0. 12	0. 508	1. 28E-52	Oligo	HLA-DPB1
RPS6KA5	1. 37E-56	0. 638309	0. 226	0. 049	2. 05E-52	Oligo	RPS6KA5
MYLIP. 8	1. 41E-56	0. 6759	0. 376	0. 12	2. 11E-52	Oligo	MYLIP
RGS2. 7	1. 43E-56	-1. 33954	0. 061	0. 46	2. 13E-52	Oligo	RGS2
FRYL. 8	1. 80E-56	0. 805377	0. 435	0. 178	2. 68E-52	Oligo	FRYL
CAV2. 4	2. 30E-56	0. 550465	0. 195	0. 038	3. 43E-52	Oligo	CAV2
CXCL16. 8	4. 01E-56	-1. 14377	0. 068	0. 468	6. 00E-52	Oligo	CXCL16
LRRC8D. 3	4. 46E-56	0. 735875	0. 299	0. 086	6. 67E-52	Oligo	LRRC8D
BRSK1. 7	8. 97E-56	0. 688509	0. 278	0. 076	1. 34E-51	Oligo	BRSK1
EIF4EBP1. 1	2. 3E-55	-0. 99927	0. 04	0. 441	1. 84E-51	Oligo	EIF4EBP1
MCF2L. 6	1. 80E-55	0. 620511	0. 306	0. 088	2. 69E-51	Oligo	MCF2L

REEP3.4	2.31E-55	0.742626	0.494	0.235	3.45E-51	Oligo	REEP3
SH3GLB2.3	2.31E-55	0.762021	0.339	0.11	3.45E-51	Oligo	SH3GLB2
RASSF2.3	4.95E-55	0.865899	0.511	0.249	7.39E-51	Oligo	RASSF2
CADM4.8	6.72E-55	0.841436	0.522	0.254	1.00E-50	Oligo	CADM4
HLA-E.9	9.84E-55	-0.91607	0.224	0.61	1.47E-50	Oligo	HLA-E
ACER3.8	1.01E-54	0.769911	0.442	0.175	1.50E-50	Oligo	ACER3
CD68.9	1.30E-54	-1.2807	0.064	0.456	1.94E-50	Oligo	CD68
EEF1A1.8	1.35E-54	0.307288	0.946	0.821	2.01E-50	Oligo	EEF1A1
TCEAL7.7	2.23E-54	0.891202	0.581	0.292	3.34E-50	Oligo	TCEAL7
CPEB2.3	2.61E-54	0.607055	0.252	0.064	3.91E-50	Oligo	CPEB2
EIF4A1.5	3.41E-54	-0.44725	0.612	0.871	5.09E-50	Oligo	EIF4A1
C1QB.9	3.99E-54	-1.12722	0.216	0.583	5.97E-50	Oligo	C1QB
PREX1.8	4.19E-54	0.812123	0.475	0.208	6.27E-50	Oligo	PREX1
ARL2.5	6.47E-54	0.818781	0.678	0.429	9.67E-50	Oligo	ARL2
TBC1D12.7	7.19E-54	0.633262	0.322	0.099	1.07E-49	Oligo	TBC1D12
ARAP2.4	1.25E-53	0.68831	0.28	0.078	1.87E-49	Oligo	ARAP2
SEC61G.9	1.38E-53	-0.85185	0.586	0.807	2.06E-49	Oligo	SEC61G
LYNX1	1.72E-53	0.521142	0.155	0.026	2.57E-49	Oligo	LYNX1
PABPC1.7	2.13E-53	-0.70184	0.416	0.757	3.18E-49	Oligo	PABPC1
SGK3.6	2.69E-53	0.574372	0.247	0.06	4.02E-49	Oligo	SGK3
ALCAM.7	2.77E-53	0.747891	0.454	0.186	4.14E-49	Oligo	ALCAM
LAMTOR2.7	3.60E-53	-0.77141	0.191	0.602	5.37E-49	Oligo	LAMTOR2
H2AFY.7	4.76E-53	-0.73991	0.233	0.621	7.11E-49	Oligo	H2AFY
LGALS1.7	1.04E-52	-0.72526	0.334	0.718	1.56E-48	Oligo	LGALS1
ALOX5AP.9	1.72E-52	-1.45271	0.038	0.413	2.58E-48	Oligo	ALOX5AP
FCER1G.9	1.92E-52	-1.40237	0.085	0.455	2.87E-48	Oligo	FCER1G
GABARAPL2	2.58E-52	0.58849	0.878	0.738	3.85E-48	Oligo	GABARAPL2
HEXB.9	2.72E-52	-0.91072	0.035	0.419	4.06E-48	Oligo	HEXB
PSEN1.3	2.99E-52	0.813526	0.421	0.17	4.46E-48	Oligo	PSEN1
NKD1.1	3.26E-52	0.473663	0.165	0.03	4.87E-48	Oligo	NKD1
NCAM2.7	5.13E-52	0.552312	0.245	0.061	7.66E-48	Oligo	NCAM2
GLRX.8	6.55E-52	-1.2148	0.026	0.402	9.79E-48	Oligo	GLRX
GLUL.5	6.58E-52	0.455048	0.873	0.783	9.83E-48	Oligo	GLUL
PSME2.7	7.72E-52	-0.8983	0.186	0.571	1.15E-47	Oligo	PSME2
S100A6.8	7.90E-52	-0.82742	0.242	0.659	1.18E-47	Oligo	S100A6
EEF1B2.8	8.17E-52	-0.53206	0.433	0.789	1.22E-47	Oligo	EEF1B2
A2M.7	9.18E-52	-1.15796	0.094	0.477	1.37E-47	Oligo	A2M
LAPTM5.9	1.20E-51	-1.33175	0.078	0.449	1.79E-47	Oligo	LAPTM5
ATP1B3.7	1.30E-51	-0.84431	0.172	0.559	1.95E-47	Oligo	ATP1B3
TNFRSF1A.1	1.33E-51	-0.96348	0.012	0.385	1.98E-47	Oligo	TNFRSF1A
TAGLN2.9	1.81E-51	-0.95278	0.134	0.529	2.71E-47	Oligo	TAGLN2
HLA-DRB5.2	2.41E-51	-1.45613	0.038	0.413	3.61E-47	Oligo	HLA-DRB5
FXYD6.9	2.45E-51	-0.99597	0.082	0.475	3.66E-47	Oligo	FXYD6
PCDH9-AS1	2.51E-51	0.401792	0.129	0.019	3.75E-47	Oligo	PCDH9-AS1
TYROBP.9	3.00E-51	-1.30433	0.111	0.473	4.48E-47	Oligo	TYROBP
EFNA1.6	3.15E-51	0.827162	0.351	0.12	4.71E-47	Oligo	EFNA1
KIF13B.2	3.20E-51	0.620605	0.254	0.067	4.78E-47	Oligo	KIF13B
DOCK1.3	3.53E-51	0.570907	0.205	0.046	5.27E-47	Oligo	DOCK1
DDAH2.6	3.87E-51	-0.83952	0.115	0.503	5.79E-47	Oligo	DDAH2
HLA-DMA.9	3.98E-51	-1.32862	0.052	0.422	5.95E-47	Oligo	HLA-DMA
DFNB31	6.82E-51	0.507283	0.151	0.026	1.02E-46	Oligo	DFNB31



CELF2.9	7.77E-51	-1.00361	0.026	0.396	1.16E-46	Oligo	CELF2
MCAM.3	8.55E-51	0.556346	0.181	0.037	1.28E-46	Oligo	MCAM
PRDX1.7	9.31E-51	0.477736	0.882	0.805	1.39E-46	Oligo	PRDX1
IGFBP2.7	1.69E-50	-1.2644	0.024	0.387	2.52E-46	Oligo	IGFBP2
EVI5L.3	2.41E-50	0.565759	0.221	0.054	3.60E-46	Oligo	EVI5L
BASP1.8	3.49E-50	-1.012	0.019	0.386	5.22E-46	Oligo	BASP1
MAST3.3	4.74E-50	0.598967	0.261	0.071	7.09E-46	Oligo	MAST3
UBE2L6.4	5.03E-50	-0.92573	0.099	0.487	7.52E-46	Oligo	UBE2L6
HLA-A.7	5.27E-50	-0.53852	0.664	0.905	7.87E-46	Oligo	HLA-A
HERPUD1.7	5.88E-50	-0.78009	0.282	0.656	8.79E-46	Oligo	HERPUD1
RNH1.5	6.67E-50	0.690431	0.736	0.53	9.97E-46	Oligo	RNH1
TESK2	7.12E-50	0.222022	0.089	0.009	1.06E-45	Oligo	TESK2
RP11-285F	7.34E-50	0.299285	0.099	0.011	1.10E-45	Oligo	RP11-285F7.2
CD14.9	7.58E-50	-1.29801	0.056	0.422	1.13E-45	Oligo	CD14
CAPG.9	1.37E-49	-1.17434	0.064	0.428	2.05E-45	Oligo	CAPG
C1QA.9	1.50E-49	-1.09956	0.193	0.55	2.24E-45	Oligo	C1QA
LINC00672	1.68E-49	0.61205	0.202	0.045	2.51E-45	Oligo	LINC00672
RAB13.8	1.68E-49	-1.13775	0.021	0.385	2.51E-45	Oligo	RAB13
SMOC1.4	2.11E-49	0.403186	0.162	0.029	3.16E-45	Oligo	SMOC1
MTURN.5	2.28E-49	0.640549	0.261	0.072	3.40E-45	Oligo	MTURN
C9orf16.5	2.58E-49	-0.70618	0.219	0.595	3.85E-45	Oligo	C9orf16
RTN4.9	2.79E-49	0.437301	0.762	0.698	4.17E-45	Oligo	RTN4
FAM131B.7	2.98E-49	0.595616	0.254	0.069	4.46E-45	Oligo	FAM131B
MICAL3.4	3.38E-49	0.60368	0.252	0.068	5.05E-45	Oligo	MICAL3
ABHD17B.9	4.30E-49	0.754603	0.339	0.117	6.42E-45	Oligo	ABHD17B
PLEKHA1.2	5.08E-49	0.642446	0.296	0.091	7.60E-45	Oligo	PLEKHA1
HEPN1.8	5.35E-49	0.821433	0.454	0.195	7.99E-45	Oligo	HEPN1
LMBRD1.5	5.63E-49	0.771366	0.466	0.207	8.41E-45	Oligo	LMBRD1
CD74.8	6.27E-49	-0.84504	0.492	0.761	9.38E-45	Oligo	CD74
PCBP4.9	7.16E-49	0.884974	0.496	0.247	1.07E-44	Oligo	PCBP4
H2AFZ.3	1.28E-48	-0.55214	0.409	0.751	1.91E-44	Oligo	H2AFZ
CTSC.9	1.91E-48	-1.25471	0.04	0.397	2.86E-44	Oligo	CTSC
CEBPD.6	2.03E-48	-0.98694	0.101	0.472	3.03E-44	Oligo	CEBPD
PDIA6.4	2.45E-48	-0.69159	0.308	0.661	3.66E-44	Oligo	PDIA6
BAX.9	2.63E-48	-0.75535	0.2	0.579	3.93E-44	Oligo	BAX
FAR1.3	4.49E-48	0.711826	0.353	0.129	6.72E-44	Oligo	FAR1
ARHGEF10.5	5.52E-48	0.539314	0.24	0.063	8.25E-44	Oligo	ARHGEF10
YBX3.3	5.85E-48	-0.89449	0.049	0.418	8.75E-44	Oligo	YBX3
ATP5A1.2	6.69E-48	-0.64418	0.32	0.687	1.00E-43	Oligo	ATP5A1
OCIAD2.8	7.16E-48	-1.32252	0.042	0.4	1.07E-43	Oligo	OCIAD2
PHLDA1.6	7.43E-48	-1.0049	0.049	0.408	1.11E-43	Oligo	PHLDA1
CAPZA2.3	8.46E-48	-0.65827	0.306	0.667	1.26E-43	Oligo	CAPZA2
POLR2I.6	8.92E-48	0.625117	0.744	0.545	1.33E-43	Oligo	POLR2I
ARL4C.7	1.05E-47	-0.97497	0.035	0.391	1.57E-43	Oligo	ARL4C
FASN.8	1.68E-47	0.633886	0.315	0.109	2.51E-43	Oligo	FASN
KDELR2.4	2.81E-47	-0.76317	0.212	0.582	4.19E-43	Oligo	KDELR2
TALDO1.8	3.05E-47	0.749135	0.765	0.591	4.55E-43	Oligo	TALDO1
RP11-161M	3.19E-47	0.635479	0.407	0.157	4.77E-43	Oligo	RP11-161M6.2
CYP27A1.5	3.35E-47	0.771003	0.388	0.156	5.01E-43	Oligo	CYP27A1
VSIG4.9	4.60E-47	-1.34147	0.024	0.378	6.87E-43	Oligo	VSIG4
COX5B.6	5.84E-47	0.421171	0.892	0.846	8.73E-43	Oligo	COX5B

NACC2. 6	6. 32E-47	0. 698899	0. 292	0. 095	9. 44E-43	Oligo	NACC2
FTL. 9	1. 20E-46	0. 31564	0. 998	0. 994	1. 80E-42	Oligo	FTL
CREG2	1. 41E-46	0. 286947	0. 073	0. 007	2. 10E-42	Oligo	CREG2
CMTM6. 9	1. 83E-46	-0. 8682	0. 078	0. 439	2. 73E-42	Oligo	CMTM6
MAPK8IP3. 2	1. 0E-46	0. 61591	0. 271	0. 081	3. 14E-42	Oligo	MAPK8IP3
TUBB2B. 8	2. 82E-46	-0. 91323	0. 235	0. 567	4. 21E-42	Oligo	TUBB2B
SEMA7A. 1	3. 64E-46	0. 430137	0. 172	0. 036	5. 44E-42	Oligo	SEMA7A
PLSCR1. 9	4. 93E-46	-1. 03886	0. 024	0. 372	7. 36E-42	Oligo	PLSCR1
SSR2. 3	5. 26E-46	-0. 5234	0. 379	0. 726	7. 85E-42	Oligo	SSR2
NDST1. 4	5. 32E-46	0. 612207	0. 266	0. 08	7. 96E-42	Oligo	NDST1
TUBA1C. 7	5. 35E-46	-0. 96858	0. 04	0. 392	7. 99E-42	Oligo	TUBA1C
NAMPT. 8	6. 01E-46	-1. 16257	0. 099	0. 45	8. 98E-42	Oligo	NAMPT
DOCK3	8. 66E-46	0. 284985	0. 099	0. 012	1. 29E-41	Oligo	DOCK3
CPVL. 9	1. 26E-45	-1. 18583	0. 019	0. 361	1. 88E-41	Oligo	CPVL
RP11-286E	1. 35E-45	0. 125858	0. 035	0. 001	2. 02E-41	Oligo	RP11-286E11. 2
FABP7. 7	1. 38E-45	-1. 31457	0. 061	0. 395	2. 07E-41	Oligo	FABP7
RP11-802C	1. 41E-45	0. 147259	0. 054	0. 003	2. 10E-41	Oligo	RP11-802023. 3
TMEM184B. 1	5. 6E-45	0. 798404	0. 341	0. 13	2. 33E-41	Oligo	TMEM184B
CD44. 6	1. 59E-45	-1. 15579	0. 047	0. 395	2. 37E-41	Oligo	CD44
TGIF1. 6	1. 79E-45	-0. 96815	0. 026	0. 37	2. 68E-41	Oligo	TGIF1
C1QC. 9	1. 93E-45	-1. 14569	0. 179	0. 513	2. 88E-41	Oligo	C1QC
NPM1. 3	2. 02E-45	-0. 46587	0. 602	0. 879	3. 01E-41	Oligo	NPM1
TJAP1. 1	2. 55E-45	0. 640711	0. 278	0. 087	3. 81E-41	Oligo	TJAP1
MGAT5. 4	2. 63E-45	0. 508729	0. 233	0. 062	3. 93E-41	Oligo	MGAT5
TUBB. 7	3. 26E-45	-0. 56645	0. 52	0. 78	4. 87E-41	Oligo	TUBB
RGS1. 9	5. 00E-45	-1. 19575	0. 12	0. 459	7. 47E-41	Oligo	RGS1
HIP1. 6	5. 97E-45	0. 81027	0. 388	0. 16	8. 92E-41	Oligo	HIP1
AIF1. 9	6. 65E-45	-1. 29192	0. 087	0. 423	9. 94E-41	Oligo	AIF1
KAZN. 6	6. 96E-45	0. 588331	0. 235	0. 065	1. 04E-40	Oligo	KAZN
RHEB. 3	7. 07E-45	-0. 66973	0. 306	0. 65	1. 06E-40	Oligo	RHEB
LMAN2. 4	9. 51E-45	-0. 63517	0. 209	0. 588	1. 42E-40	Oligo	LMAN2
DIP2C. 5	1. 04E-44	0. 563327	0. 261	0. 078	1. 55E-40	Oligo	DIP2C
BCYRN1. 3	1. 39E-44	0. 542793	0. 195	0. 046	2. 08E-40	Oligo	BCYRN1
PPT1. 8	1. 47E-44	-0. 75169	0. 207	0. 569	2. 19E-40	Oligo	PPT1
RAB31. 8	1. 51E-44	-0. 79279	0. 113	0. 473	2. 26E-40	Oligo	RAB31
ARRDC2. 7	1. 71E-44	0. 599368	0. 271	0. 079	2. 56E-40	Oligo	ARRDC2
HNRNPA0. 7	1. 82E-44	-0. 67872	0. 322	0. 653	2. 72E-40	Oligo	HNRNPA0
KCNH8. 1	2. 12E-44	0. 261909	0. 085	0. 009	3. 17E-40	Oligo	KCNH8
ARHGDI1. 9	3. 77E-44	-1. 23888	0. 049	0. 384	5. 63E-40	Oligo	ARHGDI1
ATP11A. 4	3. 80E-44	0. 577389	0. 28	0. 09	5. 68E-40	Oligo	ATP11A
DST. 8	3. 80E-44	0. 654457	0. 593	0. 368	5. 68E-40	Oligo	DST
DNER. 7	5. 09E-44	0. 654976	0. 551	0. 269	7. 60E-40	Oligo	DNER
CXCR4. 7	5. 32E-44	-1. 22548	0. 064	0. 401	7. 95E-40	Oligo	CXCR4
ELMO1. 7	5. 70E-44	0. 588661	0. 442	0. 18	8. 52E-40	Oligo	ELMO1
TPD52. 7	6. 13E-44	0. 877439	0. 466	0. 227	9. 15E-40	Oligo	TPD52
DHCR24. 6	6. 19E-44	0. 724342	0. 273	0. 089	9. 25E-40	Oligo	DHCR24
ASPHD1. 7	7. 36E-44	0. 812178	0. 341	0. 13	1. 10E-39	Oligo	ASPHD1
MPDZ. 6	7. 57E-44	0. 586231	0. 259	0. 08	1. 13E-39	Oligo	MPDZ
SLC22A23. 8	8. 30E-44	0. 64852	0. 224	0. 061	1. 24E-39	Oligo	SLC22A23
SELM. 7	8. 99E-44	0. 815846	0. 421	0. 18	1. 34E-39	Oligo	SELM
PLP2. 8	9. 37E-44	-0. 93222	0. 021	0. 356	1. 40E-39	Oligo	PLP2

TIMP2.5	1.00E-43	0.73381	0.539	0.318	1.50E-39	Oligo	TIMP2
TMPRSS5	1.06E-43	0.39128	0.125	0.021	1.58E-39	Oligo	TMPRSS5
EPS15.4	1.24E-43	0.64105	0.365	0.142	1.86E-39	Oligo	EPS15
LYPLA1.4	1.50E-43	-0.79786	0.073	0.419	2.24E-39	Oligo	LYPLA1
CYP7B1	1.56E-43	0.205714	0.042	0.002	2.33E-39	Oligo	CYP7B1
RAB1A.4	1.57E-43	-0.60716	0.261	0.633	2.35E-39	Oligo	RAB1A
C3.8	1.59E-43	-1.18403	0.085	0.413	2.37E-39	Oligo	C3
SOX4.8	1.59E-43	-1.07763	0.115	0.458	2.38E-39	Oligo	SOX4
MALAT1.9	1.68E-43	0.286932	1	0.995	2.51E-39	Oligo	MALAT1
HIF1A.6	1.82E-43	-0.83604	0.167	0.509	2.73E-39	Oligo	HIF1A
LACC1.5	1.85E-43	0.443556	0.153	0.03	2.77E-39	Oligo	LACC1
LRP1.4	1.91E-43	-0.88887	0.028	0.362	2.85E-39	Oligo	LRP1
ENO1.5	2.03E-43	-0.5079	0.515	0.805	3.04E-39	Oligo	ENO1
CTSS.9	2.15E-43	-1.21519	0.038	0.366	3.21E-39	Oligo	CTSS
ARRB2.9	2.73E-43	-0.97614	0.073	0.412	4.07E-39	Oligo	ARRB2
CITED2.7	3.09E-43	-0.93959	0.033	0.364	4.62E-39	Oligo	CITED2
FKBP1A.5	3.21E-43	-0.61215	0.391	0.711	4.80E-39	Oligo	FKBP1A
CORO1A.9	5.88E-43	-1.10958	0.052	0.385	8.79E-39	Oligo	CORO1A
DSCAML1.1	6.28E-43	0.41864	0.134	0.024	9.38E-39	Oligo	DSCAML1
NDUFS7.1	7.21E-43	0.662389	0.781	0.611	1.08E-38	Oligo	NDUFS7
STMN4.8	8.15E-43	0.992774	0.574	0.296	1.22E-38	Oligo	STMN4
PRKCSH.5	1.01E-42	0.701358	0.635	0.423	1.51E-38	Oligo	PRKCSH
RCN1.9	1.09E-42	-0.8346	0.035	0.366	1.63E-38	Oligo	RCN1
ARL5A.5	1.15E-42	-0.73499	0.172	0.53	1.72E-38	Oligo	ARL5A
TUBB2A.8	1.16E-42	-0.88964	0.167	0.489	1.74E-38	Oligo	TUBB2A
SCARB2.5	1.62E-42	0.712347	0.579	0.374	2.43E-38	Oligo	SCARB2
LY6E.4	1.95E-42	-0.89651	0.049	0.388	2.92E-38	Oligo	LY6E
IFNGR2.8	2.07E-42	-0.75715	0.064	0.402	3.10E-38	Oligo	IFNGR2
HLA-DQB1.2	3.35E-42	-1.2821	0.016	0.337	3.51E-38	Oligo	HLA-DQB1
DNASE2.7	2.48E-42	-0.86126	0.054	0.396	3.70E-38	Oligo	DNASE2
RGS10.9	2.52E-42	-1.2366	0.033	0.354	3.77E-38	Oligo	RGS10
GLIPR1.8	2.83E-42	-1.05404	0.021	0.346	4.23E-38	Oligo	GLIPR1
FCGR3A.9	3.29E-42	-1.19273	0.028	0.353	4.92E-38	Oligo	FCGR3A
YBX1.5	3.41E-42	-0.42652	0.567	0.771	5.09E-38	Oligo	YBX1
RPS6KA2.3	3.75E-42	0.650658	0.301	0.104	5.60E-38	Oligo	RPS6KA2
ATOX1.5	3.81E-42	0.594422	0.772	0.598	5.70E-38	Oligo	ATOX1
C1orf162.4	4.09E-42	-1.30404	0.016	0.334	6.11E-38	Oligo	C1orf162
NAPEPLD.5	4.14E-42	0.588919	0.28	0.092	6.18E-38	Oligo	NAPEPLD
ZFP36.6	5.20E-42	-0.82495	0.242	0.585	7.77E-38	Oligo	ZFP36
SORCS2.8	8.23E-42	0.275021	0.089	0.011	1.23E-37	Oligo	SORCS2
FN3K.3	8.41E-42	0.567026	0.252	0.077	1.26E-37	Oligo	FN3K
KCNJ2.1	8.59E-42	0.599278	0.181	0.043	1.28E-37	Oligo	KCNJ2
C1orf122.1	1.02E-41	0.596604	0.649	0.482	1.53E-37	Oligo	C1orf122
RHBDL2.1	1.07E-41	0.541464	0.108	0.016	1.60E-37	Oligo	RHBDL2
GNG7.8	1.16E-41	0.704427	0.532	0.29	1.73E-37	Oligo	GNG7
FXYD5.9	1.49E-41	-1.18609	0.035	0.352	2.22E-37	Oligo	FXYD5
GALNT15.5	1.51E-41	0.325197	0.165	0.034	2.26E-37	Oligo	GALNT15
DDOST.4	1.53E-41	-0.73793	0.122	0.478	2.28E-37	Oligo	DDOST
TXNDC12.5	1.69E-41	-0.80963	0.099	0.445	2.53E-37	Oligo	TXNDC12
HIP1R.8	1.74E-41	0.729803	0.294	0.102	2.60E-37	Oligo	HIP1R
EPB41L1.7	2.29E-41	0.597173	0.256	0.082	3.42E-37	Oligo	EPB41L1

AMD1. 3	2. 47E-41	0. 758809	0. 605	0. 375	3. 69E-37	Oligo	AMD1
FDFT1. 6	3. 90E-41	0. 730121	0. 527	0. 297	5. 83E-37	Oligo	FDFT1
XRN2. 4	4. 44E-41	-0. 7273	0. 12	0. 47	6. 64E-37	Oligo	XRN2
BID. 7	4. 67E-41	-0. 82718	0. 04	0. 369	6. 98E-37	Oligo	BID
SNRPB. 5	6. 01E-41	-0. 61174	0. 254	0. 59	8. 98E-37	Oligo	SNRPB
CECR7	6. 35E-41	0. 26126	0. 059	0. 005	9. 49E-37	Oligo	CECR7
PLAUR. 9	7. 95E-41	-1. 17253	0. 059	0. 378	1. 19E-36	Oligo	PLAUR
KLF6. 7	1. 09E-40	-0. 78587	0. 207	0. 543	1. 63E-36	Oligo	KLF6
NINJ1. 9	1. 14E-40	-0. 85188	0. 125	0. 464	1. 71E-36	Oligo	NINJ1
AKAP13. 8	1. 30E-40	-0. 88547	0. 021	0. 337	1. 94E-36	Oligo	AKAP13
ASPDH. 1	1. 45E-40	0. 377075	0. 075	0. 008	2. 17E-36	Oligo	ASPDH
KAT2B. 4	1. 47E-40	0. 548693	0. 228	0. 066	2. 20E-36	Oligo	KAT2B
TMEM176B. 1	5. 7E-40	-1. 16433	0. 047	0. 363	2. 34E-36	Oligo	TMEM176B
TMEM140. 4	1. 99E-40	0. 601799	0. 181	0. 043	2. 97E-36	Oligo	TMEM140
NKAIN1. 1	2. 35E-40	0. 329998	0. 113	0. 018	3. 51E-36	Oligo	NKAIN1
CCDC109B. 2	3. 8E-40	-0. 76484	0. 04	0. 36	3. 56E-36	Oligo	CCDC109B
CD53. 9	2. 43E-40	-1. 21805	0. 016	0. 326	3. 63E-36	Oligo	CD53
TECPR2. 3	2. 68E-40	0. 515304	0. 209	0. 057	4. 00E-36	Oligo	TECPR2
JUND. 7	2. 69E-40	0. 649168	0. 6	0. 391	4. 01E-36	Oligo	JUND
CSRP2. 7	3. 79E-40	-1. 12593	0. 005	0. 313	5. 66E-36	Oligo	CSRP2
MAP4K4. 7	4. 85E-40	0. 760252	0. 468	0. 24	7. 24E-36	Oligo	MAP4K4
SLITRK1	4. 89E-40	0. 368424	0. 113	0. 018	7. 31E-36	Oligo	SLITRK1
VAMP5. 4	5. 24E-40	-1. 00957	0. 085	0. 408	7. 84E-36	Oligo	VAMP5
ITGB2. 9	7. 91E-40	-1. 21005	0. 031	0. 335	1. 18E-35	Oligo	ITGB2
MYO6. 7	7. 97E-40	0. 782278	0. 44	0. 217	1. 19E-35	Oligo	MYO6
VDAC1. 5	8. 04E-40	-0. 59869	0. 313	0. 643	1. 20E-35	Oligo	VDAC1
ACYP2. 6	8. 27E-40	0. 772717	0. 536	0. 304	1. 24E-35	Oligo	ACYP2
RP11-983F	8. 73E-40	0. 426092	0. 094	0. 013	1. 30E-35	Oligo	RP11-983P16. 4
ATP5J2. 5	9. 90E-40	-0. 43459	0. 525	0. 818	1. 48E-35	Oligo	ATP5J2
MYL12B. 7	1. 01E-39	-0. 53529	0. 402	0. 739	1. 52E-35	Oligo	MYL12B
AGTPBP1. 4	1. 29E-39	0. 423472	0. 186	0. 045	1. 92E-35	Oligo	AGTPBP1
FHL1. 9	1. 32E-39	-0. 79469	0. 047	0. 368	1. 97E-35	Oligo	FHL1
TJP1. 7	1. 41E-39	0. 701015	0. 381	0. 173	2. 10E-35	Oligo	TJP1
MAP7D1. 7	1. 47E-39	0. 707444	0. 539	0. 338	2. 20E-35	Oligo	MAP7D1
NCOA7. 4	1. 65E-39	0. 594498	0. 304	0. 108	2. 46E-35	Oligo	NCOA7
ISCU. 5	2. 16E-39	-0. 67448	0. 224	0. 579	3. 22E-35	Oligo	ISCU
PGK1. 5	3. 42E-39	-0. 53192	0. 442	0. 765	5. 12E-35	Oligo	PGK1
EZR. 7	3. 57E-39	-0. 79977	0. 038	0. 354	5. 33E-35	Oligo	EZR
LIMS1. 9	3. 76E-39	-0. 83441	0. 125	0. 451	5. 62E-35	Oligo	LIMS1
TMEM236	5. 72E-39	0. 382307	0. 045	0. 003	8. 55E-35	Oligo	TMEM236
BRK1. 1	5. 92E-39	-0. 37627	0. 499	0. 791	8. 85E-35	Oligo	BRK1
IFIT2. 6	7. 57E-39	0. 583149	0. 249	0. 076	1. 13E-34	Oligo	IFIT2
RTN3. 7	8. 01E-39	0. 530546	0. 798	0. 649	1. 20E-34	Oligo	RTN3
MPC1. 5	8. 10E-39	0. 680244	0. 666	0. 481	1. 21E-34	Oligo	MPC1
PPP4C. 5	9. 17E-39	-0. 67612	0. 224	0. 555	1. 37E-34	Oligo	PPP4C
AGPAT4. 6	9. 39E-39	0. 619228	0. 278	0. 096	1. 40E-34	Oligo	AGPAT4
SERP1. 7	9. 75E-39	-0. 61604	0. 289	0. 615	1. 46E-34	Oligo	SERP1
SUB1. 7	1. 33E-38	-0. 40033	0. 522	0. 765	1. 98E-34	Oligo	SUB1
LST1. 9	1. 36E-38	-1. 19176	0. 024	0. 324	2. 03E-34	Oligo	LST1
MS4A6A. 9	1. 72E-38	-1. 25814	0. 052	0. 352	2. 57E-34	Oligo	MS4A6A
INSR. 7	1. 82E-38	0. 62938	0. 346	0. 137	2. 72E-34	Oligo	INSR

CCT8. 4	1. 82E-38	-0. 6277	0. 209	0. 548	2. 72E-34 Oligo	CCT8
HLA-DQA1. 1.	96E-38	-1. 25581	0. 019	0. 317	2. 92E-34 Oligo	HLA-DQA1
ATP9A. 8	2. 11E-38	0. 669695	0. 289	0. 105	3. 15E-34 Oligo	ATP9A
RAB34. 5	2. 21E-38	-0. 87917	0	0. 294	3. 30E-34 Oligo	RAB34
GMFG. 9	2. 21E-38	-1. 16839	0. 012	0. 309	3. 31E-34 Oligo	GMFG
HECW2	2. 24E-38	0. 218642	0. 068	0. 007	3. 35E-34 Oligo	HECW2
CPE. 8	2. 50E-38	-0. 89889	0. 089	0. 401	3. 74E-34 Oligo	CPE
KBTBD11. 2	2. 81E-38	0. 395525	0. 125	0. 023	4. 21E-34 Oligo	KBTBD11
GNB2L1. 6	2. 92E-38	-0. 33688	0. 76	0. 949	4. 37E-34 Oligo	GNB2L1
RGL1. 4	3. 00E-38	0. 558107	0. 249	0. 08	4. 49E-34 Oligo	RGL1
ABHD6. 2	3. 18E-38	0. 570713	0. 278	0. 096	4. 75E-34 Oligo	ABHD6
CDR2L. 5	3. 77E-38	0. 531147	0. 207	0. 058	5. 64E-34 Oligo	CDR2L
ZYX. 8	3. 85E-38	-0. 77439	0. 101	0. 413	5. 76E-34 Oligo	ZYX
HMGB2. 8	3. 86E-38	-0. 79802	0. 186	0. 506	5. 76E-34 Oligo	HMGB2
FAM3C. 8	4. 42E-38	-0. 71366	0. 125	0. 448	6. 61E-34 Oligo	FAM3C
MLLT11. 7	5. 85E-38	-0. 8666	0. 148	0. 465	8. 74E-34 Oligo	MLLT11
ABRACL. 7	6. 38E-38	-0. 79139	0. 016	0. 315	9. 54E-34 Oligo	ABRACL
PPP1R14B. 9.	97E-38	-0. 70436	0. 047	0. 356	1. 49E-33 Oligo	PPP1R14B
GALNT7. 4	9. 97E-38	0. 589421	0. 252	0. 083	1. 49E-33 Oligo	GALNT7
GPM6A. 8	1. 00E-37	-0. 68492	0. 169	0. 517	1. 50E-33 Oligo	GPM6A
DYNLT1. 5	1. 06E-37	-0. 52295	0. 315	0. 64	1. 59E-33 Oligo	DYNLT1
CA14. 8	1. 35E-37	0. 498183	0. 184	0. 046	2. 01E-33 Oligo	CA14
TMCC3. 7	1. 47E-37	0. 534618	0. 228	0. 067	2. 19E-33 Oligo	TMCC3
NDUFA6. 6	1. 88E-37	-0. 62778	0. 259	0. 583	2. 82E-33 Oligo	NDUFA6
ANKH. 6	2. 10E-37	0. 567196	0. 355	0. 141	3. 14E-33 Oligo	ANKH
LPGAT1. 5	2. 11E-37	0. 622663	0. 311	0. 121	3. 15E-33 Oligo	LPGAT1
CDH20	2. 79E-37	0. 294775	0. 104	0. 016	4. 18E-33 Oligo	CDH20
HLA-DMB. 8	2. 85E-37	-1. 18037	0. 035	0. 331	4. 26E-33 Oligo	HLA-DMB
ABHD17A. 8	3. 64E-37	0. 666187	0. 426	0. 228	5. 44E-33 Oligo	ABHD17A
FAHD2B. 3	4. 45E-37	0. 586374	0. 24	0. 076	6. 65E-33 Oligo	FAHD2B
PPFIA2. 5	7. 35E-37	0. 496498	0. 169	0. 041	1. 10E-32 Oligo	PPFIA2
NAT8L. 4	8. 71E-37	0. 429032	0. 176	0. 045	1. 30E-32 Oligo	NAT8L
INPP1. 5	9. 60E-37	0. 800173	0. 341	0. 144	1. 43E-32 Oligo	INPP1
GYPC. 9	9. 89E-37	-0. 93171	0. 026	0. 32	1. 48E-32 Oligo	GYPC
CMTM3. 9	1. 07E-36	-0. 73166	0. 035	0. 334	1. 59E-32 Oligo	CMTM3
NLRP1. 8	1. 21E-36	-0. 78107	0. 052	0. 349	1. 80E-32 Oligo	NLRP1
ENSA. 6	1. 59E-36	-0. 68822	0. 184	0. 512	2. 37E-32 Oligo	ENSA
AKAP6. 7	1. 83E-36	0. 595237	0. 271	0. 095	2. 73E-32 Oligo	AKAP6
HOPX. 8	1. 98E-36	-1. 20923	0. 009	0. 293	2. 96E-32 Oligo	HOPX
NFKBIA. 8	2. 15E-36	-0. 73793	0. 193	0. 511	3. 21E-32 Oligo	NFKBIA
SEPT11. 8	2. 43E-36	-0. 69717	0. 021	0. 313	3. 64E-32 Oligo	11-Sep
RAN. 6	3. 54E-36	-0. 39911	0. 473	0. 767	5. 29E-32 Oligo	RAN
CTSH. 9	3. 71E-36	-1. 02248	0. 019	0. 306	5. 54E-32 Oligo	CTSH
NME4. 6	3. 73E-36	-0. 70563	0. 08	0. 393	5. 57E-32 Oligo	NME4
C10orf128	4. 15E-36	0. 26656	0. 134	0. 027	6. 20E-32 Oligo	C10orf128
HSPD1. 8	4. 63E-36	-0. 51211	0. 301	0. 626	6. 92E-32 Oligo	HSPD1
SERPINA1. 4.	85E-36	-1. 11089	0. 024	0. 31	7. 25E-32 Oligo	SERPINA1
RNF125. 4	6. 47E-36	0. 313027	0. 115	0. 021	9. 67E-32 Oligo	RNF125
UGP2. 4	6. 72E-36	-0. 71609	0. 148	0. 472	1. 00E-31 Oligo	UGP2
NCBP2. 7	7. 95E-36	-0. 681	0. 136	0. 452	1. 19E-31 Oligo	NCBP2
SLC16A3. 9	9. 36E-36	-0. 92731	0. 04	0. 331	1. 40E-31 Oligo	SLC16A3

RP11-46H1	9. 67E-36	0. 645807	0. 122	0. 023	1. 45E-31	Oligo	RP11-46H11. 3
IFITM2. 9	9. 69E-36	-1. 05933	0. 012	0. 293	1. 45E-31	Oligo	IFITM2
MS4A7. 9	9. 90E-36	-1. 15215	0. 054	0. 342	1. 48E-31	Oligo	MS4A7
HHIP-AS1	1. 18E-35	0. 41093	0. 101	0. 017	1. 77E-31	Oligo	HHIP-AS1
ARHGAP1. 3	1. 30E-35	0. 711863	0. 353	0. 153	1. 95E-31	Oligo	ARHGAP1
TYMP. 9	1. 40E-35	-0. 99428	0. 033	0. 317	2. 09E-31	Oligo	TYMP
ODC1. 8	1. 40E-35	-0. 72816	0. 094	0. 405	2. 09E-31	Oligo	ODC1
LRRFIP1. 8	1. 59E-35	-0. 68192	0. 059	0. 365	2. 38E-31	Oligo	LRRFIP1
SLC16A8	1. 67E-35	0. 189507	0. 042	0. 003	2. 49E-31	Oligo	SLC16A8
RSL1D1. 3	1. 71E-35	-0. 62656	0. 188	0. 508	2. 56E-31	Oligo	RSL1D1
VAMP8. 9	2. 07E-35	-1. 06374	0. 066	0. 354	3. 10E-31	Oligo	VAMP8
FNBP1. 5	2. 09E-35	0. 723342	0. 468	0. 255	3. 13E-31	Oligo	FNBP1
MEST. 8	2. 21E-35	-0. 77247	0. 094	0. 397	3. 30E-31	Oligo	MEST
PRDX6. 5	2. 27E-35	-0. 64899	0. 344	0. 635	3. 39E-31	Oligo	PRDX6
YWHAH. 9	2. 35E-35	-0. 62452	0. 278	0. 576	3. 51E-31	Oligo	YWHAH
HCST. 9	2. 59E-35	-1. 16564	0. 016	0. 294	3. 87E-31	Oligo	HCST
TREM2. 9	2. 68E-35	-1. 17683	0. 078	0. 361	4. 01E-31	Oligo	TREM2
LSS. 7	2. 71E-35	0. 588006	0. 261	0. 092	4. 06E-31	Oligo	LSS
HCLS1. 9	4. 53E-35	-1. 09706	0. 021	0. 3	6. 77E-31	Oligo	HCLS1
CDC37. 3	4. 62E-35	-0. 56058	0. 233	0. 555	6. 90E-31	Oligo	CDC37
NANS. 9	5. 35E-35	-0. 74371	0. 071	0. 371	8. 00E-31	Oligo	NANS
CIPC. 1	6. 12E-35	0. 511802	0. 228	0. 073	9. 15E-31	Oligo	CIPC
LAYN. 7	6. 24E-35	0. 452698	0. 186	0. 052	9. 33E-31	Oligo	LAYN
LINC0117C	7. 17E-35	0. 260867	0. 026	0. 001	1. 07E-30	Oligo	LINC01170
LSM7. 6	1. 00E-34	-0. 48143	0. 36	0. 641	1. 50E-30	Oligo	LSM7
ARHGEF2. 8	1. 03E-34	0. 740638	0. 494	0. 281	1. 54E-30	Oligo	ARHGEF2
LY86. 9	1. 39E-34	-1. 12325	0. 026	0. 302	2. 08E-30	Oligo	LY86
EGFR. 8	1. 39E-34	-0. 93645	0. 033	0. 31	2. 08E-30	Oligo	EGFR
DPYSL3. 8	1. 65E-34	-0. 75144	0. 042	0. 332	2. 46E-30	Oligo	DPYSL3
RNF130. 9	2. 25E-34	0. 602716	0. 647	0. 456	3. 36E-30	Oligo	RNF130
PPP1R18. 9	2. 61E-34	-0. 76574	0. 024	0. 303	3. 90E-30	Oligo	PPP1R18
STRAP. 6	3. 05E-34	-0. 60665	0. 252	0. 565	4. 56E-30	Oligo	STRAP
MAP2. 9	3. 43E-34	-0. 7578	0. 059	0. 348	5. 13E-30	Oligo	MAP2
C20orf27. 3	6. 3E-34	-0. 65177	0. 075	0. 371	5. 43E-30	Oligo	C20orf27
MT3. 9	4. 21E-34	0. 484626	0. 722	0. 481	6. 29E-30	Oligo	MT3
SRSF9. 6	4. 44E-34	-0. 5678	0. 268	0. 572	6. 64E-30	Oligo	SRSF9
MEF2C. 9	4. 79E-34	-0. 87388	0. 019	0. 293	7. 15E-30	Oligo	MEF2C
GPSM3. 9	5. 13E-34	-1. 06823	0. 005	0. 272	7. 67E-30	Oligo	GPSM3
RGS19. 9	5. 30E-34	-0. 81996	0. 014	0. 285	7. 92E-30	Oligo	RGS19
PYCARD. 9	5. 88E-34	-1. 00946	0. 024	0. 294	8. 78E-30	Oligo	PYCARD
CD37. 9	6. 31E-34	-1. 07668	0. 035	0. 311	9. 43E-30	Oligo	CD37
COX20. 4	6. 52E-34	-0. 6422	0. 165	0. 471	9. 74E-30	Oligo	COX20
FPR1. 9	7. 51E-34	-1. 15929	0. 024	0. 294	1. 12E-29	Oligo	FPR1
NEK6. 5	8. 99E-34	-0. 76614	0. 026	0. 3	1. 34E-29	Oligo	NEK6
ACTN1. 6	9. 55E-34	-0. 71547	0	0. 265	1. 43E-29	Oligo	ACTN1
CYBA. 9	1. 02E-33	-1. 01485	0. 146	0. 414	1. 53E-29	Oligo	CYBA
PKIB. 6	1. 31E-33	-0. 76636	0. 019	0. 294	1. 96E-29	Oligo	PKIB
ADD1. 7	1. 42E-33	0. 733406	0. 496	0. 3	2. 13E-29	Oligo	ADD1
FAM73A. 2	1. 58E-33	0. 521325	0. 242	0. 082	2. 36E-29	Oligo	FAM73A
CYFIP1. 8	1. 83E-33	-0. 79442	0. 021	0. 293	2. 73E-29	Oligo	CYFIP1
ARID5A. 5	2. 25E-33	-0. 7845	0. 026	0. 3	3. 37E-29	Oligo	ARID5A

VLDLR. 2	2. 32E-33	0. 396657	0. 167	0. 044	3. 46E-29	Oligo	VLDLR
LINC00152	2. 57E-33	-0. 82876	0. 005	0. 268	3. 84E-29	Oligo	LINC00152
SCG2. 8	2. 66E-33	-0. 8594	0. 007	0. 271	3. 97E-29	Oligo	SCG2
APMAP. 5	2. 84E-33	-0. 54829	0. 212	0. 529	4. 25E-29	Oligo	APMAP
HSD17B4. 3	2. 90E-33	0. 660992	0. 445	0. 233	4. 33E-29	Oligo	HSD17B4
DUSP1. 6	2. 90E-33	-0. 67893	0. 32	0. 584	4. 34E-29	Oligo	DUSP1
PTP4A2. 6	3. 04E-33	0. 567897	0. 616	0. 447	4. 54E-29	Oligo	PTP4A2
SLC38A2. 2	3. 11E-33	0. 568808	0. 494	0. 271	4. 65E-29	Oligo	SLC38A2
MS4A4A. 9	3. 15E-33	-1. 06416	0. 026	0. 296	4. 71E-29	Oligo	MS4A4A
STK17A. 7	3. 28E-33	-0. 70375	0. 028	0. 303	4. 91E-29	Oligo	STK17A
TWF2. 9	3. 38E-33	-0. 77458	0. 068	0. 351	5. 05E-29	Oligo	TWF2
FAM69C. 8	4. 22E-33	0. 654396	0. 216	0. 072	6. 30E-29	Oligo	FAM69C
FCGR2A. 9	4. 29E-33	-1. 07088	0. 031	0. 299	6. 41E-29	Oligo	FCGR2A
ARL2BP. 6	4. 34E-33	-0. 60366	0. 111	0. 416	6. 49E-29	Oligo	ARL2BP
PRNP. 5	4. 70E-33	0. 598281	0. 619	0. 46	7. 03E-29	Oligo	PRNP
BHLHE41. 7	4. 75E-33	0. 573734	0. 412	0. 2	7. 10E-29	Oligo	BHLHE41
YPEL3. 4	4. 87E-33	0. 603189	0. 452	0. 237	7. 28E-29	Oligo	YPEL3
GGCT. 8	5. 26E-33	-0. 72757	0. 099	0. 397	7. 86E-29	Oligo	GGCT
HLA-B. 6	5. 41E-33	-0. 57494	0. 607	0. 861	8. 08E-29	Oligo	HLA-B
MAPT. 9	7. 16E-33	0. 675927	0. 494	0. 277	1. 07E-28	Oligo	MAPT
ULK2. 2	8. 78E-33	0. 519615	0. 195	0. 058	1. 31E-28	Oligo	ULK2
CKS2. 9	8. 96E-33	-0. 809	0. 089	0. 377	1. 34E-28	Oligo	CKS2
CD163. 9	9. 62E-33	-1. 08366	0. 021	0. 285	1. 44E-28	Oligo	CD163
GRID1	9. 67E-33	0. 349595	0. 085	0. 013	1. 45E-28	Oligo	GRID1
APBB2. 7	1. 34E-32	0. 556411	0. 278	0. 106	2. 01E-28	Oligo	APBB2
UFC1. 5	1. 85E-32	-0. 44533	0. 259	0. 573	2. 77E-28	Oligo	UFC1
C11orf31. 1	1. 93E-32	-0. 50657	0. 391	0. 678	2. 88E-28	Oligo	C11orf31
ATP6V1G1. 2	1. 12E-32	-0. 37373	0. 475	0. 765	3. 17E-28	Oligo	ATP6V1G1
SRI. 8	2. 21E-32	-0. 47718	0. 494	0. 738	3. 30E-28	Oligo	SRI
MOB1A. 9	2. 27E-32	-0. 72266	0. 066	0. 35	3. 39E-28	Oligo	MOB1A
S100A4. 9	2. 56E-32	-1. 11411	0. 04	0. 305	3. 83E-28	Oligo	S100A4
PRCP. 5	2. 57E-32	-0. 66072	0. 078	0. 365	3. 83E-28	Oligo	PRCP
RNASE6. 9	2. 70E-32	-1. 05914	0. 021	0. 285	4. 03E-28	Oligo	RNASE6
PLIN2. 7	3. 23E-32	-1. 01667	0. 078	0. 352	4. 83E-28	Oligo	PLIN2
PREPL. 7	3. 71E-32	0. 575033	0. 376	0. 182	5. 55E-28	Oligo	PREPL
GPR183. 9	4. 09E-32	-1. 12163	0. 035	0. 299	6. 11E-28	Oligo	GPR183
DBN1. 9	4. 46E-32	-0. 70787	0. 047	0. 321	6. 67E-28	Oligo	DBN1
TMEM56	4. 55E-32	0. 274972	0. 085	0. 013	6. 79E-28	Oligo	TMEM56
RHOG. 9	4. 63E-32	0. 623419	0. 631	0. 401	6. 92E-28	Oligo	RHOG
TMEM178A. 6	6. 71E-32	0. 591992	0. 28	0. 112	1. 00E-27	Oligo	TMEM178A
UCP2. 9	6. 92E-32	-0. 91445	0. 021	0. 282	1. 03E-27	Oligo	UCP2
KLHDC8A. 9	7. 30E-32	-0. 6964	0. 005	0. 26	1. 09E-27	Oligo	KLHDC8A
GRN. 9	9. 61E-32	-0. 6043	0. 289	0. 581	1. 44E-27	Oligo	GRN
PLEKH01. 5	1. 08E-31	-0. 65227	0. 021	0. 285	1. 62E-27	Oligo	PLEKH01
BLVRA. 7	1. 11E-31	-0. 77014	0. 071	0. 35	1. 66E-27	Oligo	BLVRA
MGST2. 9	1. 11E-31	-0. 88618	0. 007	0. 263	1. 66E-27	Oligo	MGST2
OSTC. 6	1. 17E-31	-0. 56937	0. 209	0. 514	1. 75E-27	Oligo	OSTC
TMX1. 5	1. 21E-31	-0. 69942	0. 122	0. 413	1. 81E-27	Oligo	TMX1
PSMA1. 5	1. 21E-31	-0. 49345	0. 308	0. 622	1. 81E-27	Oligo	PSMA1
COLGALT2. 1	1. 27E-31	0. 722721	0. 306	0. 132	1. 90E-27	Oligo	COLGALT2
RUFY3. 8	1. 39E-31	0. 624621	0. 496	0. 298	2. 08E-27	Oligo	RUFY3

BBX.5	1.57E-31	0.699741	0.572	0.4	2.35E-27	Oligo	BBX
PDE8A.3	1.63E-31	0.507027	0.238	0.084	2.43E-27	Oligo	PDE8A
BCAP31.5	1.81E-31	-0.54108	0.32	0.63	2.70E-27	Oligo	BCAP31
RP11-285F	1.85E-31	0.190666	0.031	0.002	2.77E-27	Oligo	RP11-285F16.1
CCND2.9	1.99E-31	-0.75525	0.064	0.337	2.97E-27	Oligo	CCND2
MT1F.8	2.08E-31	-0.63991	0.04	0.315	3.11E-27	Oligo	MT1F
GTF2I.8	2.10E-31	0.601221	0.595	0.42	3.14E-27	Oligo	GTF2I
DICER1.2	2.40E-31	0.66472	0.355	0.168	3.58E-27	Oligo	DICER1
ATP6V1E1.	2.46E-31	0.697684	0.605	0.426	3.68E-27	Oligo	ATP6V1E1
SNCA.9	2.47E-31	0.510432	0.344	0.137	3.69E-27	Oligo	SNCA
SAMSN1.9	2.50E-31	-1.02353	0.009	0.261	3.73E-27	Oligo	SAMSN1
CHCHD10.7	2.76E-31	-0.65856	0.111	0.391	4.12E-27	Oligo	CHCHD10
STARD9	3.24E-31	0.358895	0.141	0.034	4.84E-27	Oligo	STARD9
TRIB2.9	3.32E-31	-0.64639	0.016	0.272	4.96E-27	Oligo	TRIB2
RAP1GDS1.	3.97E-31	0.582329	0.355	0.167	5.93E-27	Oligo	RAP1GDS1
PRDX4.8	4.10E-31	-0.59109	0.252	0.557	6.12E-27	Oligo	PRDX4
TMEM246.7	4.43E-31	0.413059	0.165	0.044	6.61E-27	Oligo	TMEM246
IFI16.7	4.65E-31	-0.7393	0.12	0.403	6.95E-27	Oligo	IFI16
HLA-C.5	4.84E-31	-0.44851	0.574	0.812	7.23E-27	Oligo	HLA-C
GPR34.9	5.40E-31	-1.05844	0.021	0.276	8.07E-27	Oligo	GPR34
SLC20A2.4	5.83E-31	0.522719	0.275	0.106	8.72E-27	Oligo	SLC20A2
TMEM14C.7	6.20E-31	-0.45519	0.292	0.602	9.26E-27	Oligo	TMEM14C
MDH2.5	6.24E-31	-0.46194	0.367	0.671	9.32E-27	Oligo	MDH2
MEG3.8	7.03E-31	-0.96746	0.052	0.314	1.05E-26	Oligo	MEG3
DDR1.7	7.19E-31	0.720817	0.511	0.324	1.07E-26	Oligo	DDR1
FRMD5.5	7.43E-31	0.459858	0.179	0.053	1.11E-26	Oligo	FRMD5
ME1.1	7.57E-31	0.311028	0.115	0.024	1.13E-26	Oligo	ME1
DGUOK.6	7.67E-31	-0.5445	0.214	0.527	1.15E-26	Oligo	DGUOK
PPP1R15A.	8.38E-31	-0.70255	0.2	0.477	1.25E-26	Oligo	PPP1R15A
TNFRSF12A	8.58E-31	-0.76263	0.035	0.296	1.28E-26	Oligo	TNFRSF12A
ARHGAP22.	8.89E-31	0.39489	0.219	0.069	1.33E-26	Oligo	ARHGAP22
TGFB1.9	9.14E-31	-0.69156	0.005	0.253	1.37E-26	Oligo	TGFB1
MTHFD2.8	1.07E-30	-0.7687	0.038	0.298	1.60E-26	Oligo	MTHFD2
PCBP3	1.44E-30	0.171482	0.056	0.006	2.15E-26	Oligo	PCBP3
FCGR1A.9	1.62E-30	-1.06862	0.019	0.268	2.43E-26	Oligo	FCGR1A
LINC00461	1.88E-30	-0.67892	0.059	0.33	2.81E-26	Oligo	LINC00461
GSTK1.7	1.93E-30	-0.53328	0.238	0.541	2.89E-26	Oligo	GSTK1
SOX11.8	1.97E-30	-0.82587	0.028	0.282	2.94E-26	Oligo	SOX11
AKR1B1.6	1.98E-30	-0.38407	0.325	0.636	2.96E-26	Oligo	AKR1B1
PEG3.7	2.16E-30	0.416978	0.195	0.06	3.23E-26	Oligo	PEG3
HSPA5.4	2.22E-30	-0.56611	0.391	0.667	3.32E-26	Oligo	HSPA5
MYL12A.8	2.26E-30	-0.61906	0.282	0.553	3.38E-26	Oligo	MYL12A
ARPC3.7	2.37E-30	-0.31948	0.553	0.814	3.54E-26	Oligo	ARPC3
SPTLC2.9	2.81E-30	0.520002	0.426	0.202	4.20E-26	Oligo	SPTLC2
NAA20.3	4.08E-30	-0.54327	0.209	0.507	6.09E-26	Oligo	NAA20
PAFAH1B3.	4.42E-30	-0.56784	0.139	0.434	6.60E-26	Oligo	PAFAH1B3
OLIG2.8	5.09E-30	0.575933	0.372	0.171	7.60E-26	Oligo	OLIG2
TPM3.9	5.76E-30	-0.55666	0.28	0.569	8.61E-26	Oligo	TPM3
IGFBP5.9	6.39E-30	-1.09191	0.028	0.277	9.55E-26	Oligo	IGFBP5
MICALL1	6.89E-30	0.376116	0.125	0.028	1.03E-25	Oligo	MICALL1
ACTN4.6	7.91E-30	0.580681	0.513	0.326	1.18E-25	Oligo	ACTN4



NRN1.6	8.67E-30	-0.78996	0.016	0.263	1.29E-25	Oligo	NRN1
SSB.4	8.85E-30	-0.47909	0.299	0.603	1.32E-25	Oligo	SSB
SLC22A17.	9.58E-30	0.588301	0.468	0.277	1.43E-25	Oligo	SLC22A17
HMGB3.8	9.58E-30	-0.67198	0.033	0.288	1.43E-25	Oligo	HMGB3
ARPP19.6	1.02E-29	0.665672	0.576	0.42	1.52E-25	Oligo	ARPP19
SNX2.9	1.07E-29	-0.66289	0.139	0.42	1.60E-25	Oligo	SNX2
TMEM189.4	1.09E-29	0.697775	0.358	0.181	1.63E-25	Oligo	TMEM189
CDKN1A.7	1.80E-29	-0.81983	0.056	0.317	2.68E-25	Oligo	CDKN1A
HMOX1.9	2.18E-29	-0.93967	0.052	0.304	3.26E-25	Oligo	HMOX1
ILF2.6	2.70E-29	-0.37313	0.28	0.585	4.03E-25	Oligo	ILF2
SGIP1.6	2.72E-29	0.436868	0.165	0.046	4.07E-25	Oligo	SGIP1
LIPA.8	2.97E-29	0.573331	0.553	0.326	4.43E-25	Oligo	LIPA
LIMD2.6	3.13E-29	-0.67872	0.016	0.258	4.68E-25	Oligo	LIMD2
DYNC1I1.9	3.49E-29	0.465271	0.271	0.098	5.22E-25	Oligo	DYNC1I1
EFCAB14.4	3.86E-29	0.630201	0.381	0.196	5.77E-25	Oligo	EFCAB14
SPRY1.8	4.02E-29	-0.74547	0.005	0.241	6.00E-25	Oligo	SPRY1
AMPD3.6	4.30E-29	0.444995	0.169	0.047	6.42E-25	Oligo	AMPD3
CSF1R.9	4.40E-29	-0.9758	0.033	0.277	6.57E-25	Oligo	CSF1R
CLIC4.8	4.41E-29	0.515503	0.525	0.325	6.58E-25	Oligo	CLIC4
TSPAN13.9	4.57E-29	-0.7889	0.059	0.308	6.82E-25	Oligo	TSPAN13
FAM229B.8	5.13E-29	0.729904	0.468	0.285	7.67E-25	Oligo	FAM229B
LPAR6.9	5.39E-29	-0.8413	0.009	0.246	8.06E-25	Oligo	LPAR6
TMEM165.3	5.53E-29	0.537213	0.6	0.451	8.27E-25	Oligo	TMEM165
AP000688.	5.83E-29	0.258734	0.035	0.002	8.71E-25	Oligo	AP000688.29
FCH01.4	6.95E-29	0.378026	0.141	0.035	1.04E-24	Oligo	FCH01
PLD1	8.92E-29	0.372789	0.111	0.023	1.33E-24	Oligo	PLD1
TSPO.8	9.45E-29	-0.57084	0.332	0.604	1.41E-24	Oligo	TSPO
TMEM106C.	9.51E-29	-0.64666	0.028	0.275	1.42E-24	Oligo	TMEM106C
CREM.8	1.04E-28	-0.79456	0.146	0.416	1.55E-24	Oligo	CREM
RILPL2.9	1.09E-28	-0.80891	0.024	0.267	1.63E-24	Oligo	RILPL2
ACTN2.4	1.17E-28	0.441548	0.146	0.038	1.75E-24	Oligo	ACTN2
RND3.8	1.22E-28	-0.78141	0.014	0.251	1.82E-24	Oligo	RND3
EIF4E.6	1.23E-28	-0.54609	0.214	0.499	1.84E-24	Oligo	EIF4E
LILRB4.9	1.24E-28	-0.97878	0.024	0.264	1.85E-24	Oligo	LILRB4
CPB2-AS1.	1.25E-28	0.550852	0.113	0.024	1.87E-24	Oligo	CPB2-AS1
CD59.5	1.43E-28	-0.5911	0.282	0.563	2.14E-24	Oligo	CD59
OLR1.9	1.46E-28	-0.97745	0.021	0.259	2.18E-24	Oligo	OLR1
RBM11	1.53E-28	0.193113	0.049	0.005	2.28E-24	Oligo	RBM11
SOD1.5	1.84E-28	0.380261	0.821	0.754	2.74E-24	Oligo	SOD1
NRCAM.8	1.86E-28	-0.61997	0.031	0.279	2.78E-24	Oligo	NRCAM
GBAS.4	1.90E-28	-0.56839	0.132	0.41	2.85E-24	Oligo	GBAS
ABCA6	2.03E-28	0.347742	0.066	0.009	3.03E-24	Oligo	ABCA6
NUCB2.5	2.03E-28	-0.67731	0.092	0.356	3.04E-24	Oligo	NUCB2
EIF3H.4	2.13E-28	-0.44534	0.376	0.68	3.18E-24	Oligo	EIF3H
PACSIN3.7	2.46E-28	0.598345	0.193	0.065	3.68E-24	Oligo	PACSIN3
NREP.8	2.50E-28	-0.6489	0.035	0.282	3.73E-24	Oligo	NREP
FAM32A.6	2.65E-28	-0.5088	0.169	0.462	3.97E-24	Oligo	FAM32A
CPM.7	2.80E-28	0.523518	0.461	0.226	4.18E-24	Oligo	CPM
BAZ1A.5	2.93E-28	-0.59767	0.066	0.329	4.38E-24	Oligo	BAZ1A
HIGD2A.7	3.13E-28	-0.41246	0.346	0.629	4.68E-24	Oligo	HIGD2A
CARD16.7	3.20E-28	-0.87023	0.007	0.238	4.79E-24	Oligo	CARD16

CALM1.9	3.23E-28	0.258002	0.835	0.769	4.82E-24	Oligo	CALM1
DVL1.1	3.31E-28	0.45241	0.162	0.047	4.95E-24	Oligo	DVL1
ST3GAL4.5	3.46E-28	0.615798	0.275	0.117	5.18E-24	Oligo	ST3GAL4
CYCS.3	3.64E-28	-0.36596	0.471	0.744	5.44E-24	Oligo	CYCS
SPARCL1.8	3.75E-28	-0.95445	0.104	0.355	5.60E-24	Oligo	SPARCL1
GADD45A.9	3.96E-28	-0.75128	0.04	0.288	5.91E-24	Oligo	GADD45A
MOB4.6	4.05E-28	-0.47972	0.104	0.382	6.05E-24	Oligo	MOB4
CEP97.6	4.50E-28	0.48337	0.207	0.071	6.72E-24	Oligo	CEP97
ATP1B2.9	4.52E-28	-0.68589	0.009	0.241	6.75E-24	Oligo	ATP1B2
RGS16.7	5.07E-28	-0.73045	0.035	0.284	7.58E-24	Oligo	RGS16
GOLGA7.3	5.13E-28	0.600109	0.616	0.458	7.67E-24	Oligo	GOLGA7
FBXO2	5.64E-28	0.266061	0.078	0.012	8.43E-24	Oligo	FBXO2
CD83.8	5.67E-28	-0.89896	0.059	0.304	8.48E-24	Oligo	CD83
SERPING1.6	6.16E-28	-1.18194	0.012	0.242	9.20E-24	Oligo	SERPING1
METTL9.8	6.43E-28	-0.56895	0.205	0.478	9.60E-24	Oligo	METTL9
CAPZB.8	6.54E-28	-0.42773	0.428	0.712	9.77E-24	Oligo	CAPZB
PCBD1.4	6.99E-28	-0.59141	0.08	0.34	1.04E-23	Oligo	PCBD1
PPP1R12B.7	7.20E-28	0.511865	0.179	0.055	1.08E-23	Oligo	PPP1R12B
ATP2B1.4	7.94E-28	-0.63815	0.099	0.364	1.19E-23	Oligo	ATP2B1
DLGAP4.6	8.13E-28	-0.5344	0.049	0.302	1.21E-23	Oligo	DLGAP4
SSBP4.5	9.02E-28	-0.57305	0.035	0.279	1.35E-23	Oligo	SSBP4
FLNA.7	9.19E-28	-0.58934	0.021	0.259	1.37E-23	Oligo	FLNA
GNAI3.5	9.35E-28	-0.5262	0.125	0.403	1.40E-23	Oligo	GNAI3
SUMO3.7	9.42E-28	-0.58477	0.169	0.449	1.41E-23	Oligo	SUMO3
SPI1.9	9.47E-28	-0.87804	0.016	0.247	1.42E-23	Oligo	SPI1
TECR.6	9.54E-28	0.59532	0.678	0.537	1.43E-23	Oligo	TECR
FOXP1.6	9.56E-28	0.458438	0.44	0.223	1.43E-23	Oligo	FOXP1
C1orf54.9	1.10E-27	-0.81644	0.007	0.234	1.64E-23	Oligo	C1orf54
RILPL1	1.11E-27	0.370423	0.134	0.034	1.66E-23	Oligo	RILPL1
IER2.8	1.33E-27	-0.48918	0.358	0.625	1.99E-23	Oligo	IER2
UPP1.8	1.34E-27	-0.74113	0.026	0.263	2.00E-23	Oligo	UPP1
CCT6A.5	1.45E-27	-0.47925	0.313	0.584	2.16E-23	Oligo	CCT6A
CASP1.8	1.50E-27	-0.78264	0.007	0.234	2.24E-23	Oligo	CASP1
TMEM70.6	1.51E-27	-0.5661	0.129	0.405	2.25E-23	Oligo	TMEM70
KCTD12.9	1.53E-27	-0.71997	0.014	0.244	2.29E-23	Oligo	KCTD12
LRRC8B.2	1.59E-27	0.494163	0.224	0.081	2.37E-23	Oligo	LRRC8B
FBXO32.9	1.74E-27	0.460242	0.329	0.147	2.60E-23	Oligo	FBXO32
EFEMP1.8	1.76E-27	-1.12373	0.005	0.229	2.63E-23	Oligo	EFEMP1
RFTN2.9	1.89E-27	0.566895	0.289	0.121	2.82E-23	Oligo	RFTN2
ADORA3.9	1.94E-27	-0.94715	0.035	0.269	2.90E-23	Oligo	ADORA3
ERP44.7	2.00E-27	-0.58333	0.136	0.405	2.99E-23	Oligo	ERP44
TNRC6C.8	2.06E-27	0.65546	0.339	0.165	3.07E-23	Oligo	TNRC6C
LAMP1.7	2.09E-27	0.456959	0.647	0.516	3.13E-23	Oligo	LAMP1
WDFY3.2	2.58E-27	0.408729	0.226	0.082	3.85E-23	Oligo	WDFY3
POLR3GL.2	2.70E-27	-0.62239	0.099	0.36	4.04E-23	Oligo	POLR3GL
ARL4A.2	3.23E-27	-0.60591	0.115	0.383	4.83E-23	Oligo	ARL4A
METTL7B.6	3.85E-27	-0.88673	0	0.22	5.75E-23	Oligo	METTL7B
PGM2L1.8	3.97E-27	-0.64162	0.028	0.264	5.94E-23	Oligo	PGM2L1
S100A9.9	4.57E-27	-1.07136	0.009	0.232	6.83E-23	Oligo	S100A9
IFI30.9	4.75E-27	-0.92165	0.005	0.227	7.10E-23	Oligo	IFI30
C10orf54.5	5.28E-27	-0.8868	0.056	0.297	7.89E-23	Oligo	C10orf54

NXT1.5	5.91E-27	-0.55264	0.068	0.326	8.83E-23	Oligo	NXT1
AP1S2.7	6.18E-27	-0.58293	0.259	0.509	9.23E-23	Oligo	AP1S2
NFIX.8	6.23E-27	0.520578	0.511	0.326	9.31E-23	Oligo	NFIX
SCG3.9	6.24E-27	-0.74625	0.04	0.275	9.32E-23	Oligo	SCG3
CLCN6.1	6.44E-27	0.434981	0.188	0.061	9.63E-23	Oligo	CLCN6
MMP14.7	6.93E-27	-0.65208	0.007	0.23	1.04E-22	Oligo	MMP14
ERP29.6	7.18E-27	-0.43509	0.329	0.621	1.07E-22	Oligo	ERP29
CMTM4	7.27E-27	0.367473	0.132	0.034	1.09E-22	Oligo	CMTM4
TOM1L2.6	7.48E-27	0.651455	0.271	0.114	1.12E-22	Oligo	TOM1L2
LRRC1.7	8.05E-27	0.430889	0.195	0.065	1.20E-22	Oligo	LRRC1
TSEN34.6	8.22E-27	-0.55873	0.111	0.378	1.23E-22	Oligo	TSEN34
C5AR1.8	8.27E-27	-0.90859	0.019	0.246	1.24E-22	Oligo	C5AR1
HEY1.7	8.42E-27	-0.62497	0.024	0.255	1.26E-22	Oligo	HEY1
BLVRB.6	8.50E-27	-0.64177	0.118	0.384	1.27E-22	Oligo	BLVRB
PDLIM7.5	9.10E-27	-0.57603	0.019	0.247	1.36E-22	Oligo	PDLIM7
IFRD1.8	9.38E-27	-0.5554	0.226	0.497	1.40E-22	Oligo	IFRD1
OAZ1.5	9.43E-27	-0.24741	0.755	0.933	1.41E-22	Oligo	OAZ1
GOLM1.8	1.06E-26	-0.58125	0.073	0.325	1.58E-22	Oligo	GOLM1
ZNF331.8	1.07E-26	-0.76614	0.08	0.325	1.60E-22	Oligo	ZNF331
CD58.9	1.13E-26	-0.69969	0.012	0.235	1.69E-22	Oligo	CD58
OLA1.4	1.14E-26	-0.54655	0.224	0.498	1.71E-22	Oligo	OLA1
SUMO1.3	1.18E-26	-0.27651	0.384	0.667	1.77E-22	Oligo	SUMO1
ACTB.7	1.19E-26	0.153597	1	0.992	1.78E-22	Oligo	ACTB
EID1.6	1.25E-26	0.51047	0.802	0.704	1.87E-22	Oligo	EID1
ORAI2.5	1.41E-26	-0.49443	0.042	0.285	2.11E-22	Oligo	ORAI2
CNIH4.7	1.70E-26	-0.52513	0.118	0.383	2.54E-22	Oligo	CNIH4
ADAM15.4	1.72E-26	0.490019	0.266	0.11	2.56E-22	Oligo	ADAM15
DCTN1.6	1.74E-26	0.643803	0.391	0.209	2.60E-22	Oligo	DCTN1
DUSP6.2	1.78E-26	-0.6098	0.021	0.253	2.66E-22	Oligo	DUSP6
PVRL2.7	1.81E-26	-0.57949	0.024	0.251	2.70E-22	Oligo	PVRL2
ZNF652.4	1.99E-26	0.663849	0.301	0.138	2.98E-22	Oligo	ZNF652
CASP4.9	2.21E-26	-0.77495	0.014	0.236	3.31E-22	Oligo	CASP4
CYTH1.7	2.44E-26	0.497914	0.332	0.152	3.65E-22	Oligo	CYTH1
NRBP1.1	2.49E-26	-0.57288	0.092	0.35	3.73E-22	Oligo	NRBP1
PRDX2.9	2.59E-26	-0.31372	0.489	0.709	3.88E-22	Oligo	PRDX2
C20orf24.	2.74E-26	-0.52028	0.207	0.477	4.10E-22	Oligo	C20orf24
PXMP2.7	2.87E-26	-0.49438	0.009	0.231	4.29E-22	Oligo	PXMP2
NME1.7	2.88E-26	-0.45433	0.313	0.577	4.31E-22	Oligo	NME1
CTNNA1.3	2.99E-26	0.574034	0.56	0.416	4.47E-22	Oligo	CTNNA1
HSPA1A.5	3.10E-26	0.563628	0.654	0.486	4.64E-22	Oligo	HSPA1A
SBDS.8	3.15E-26	0.403024	0.72	0.606	4.70E-22	Oligo	SBDS
IDH1.4	3.21E-26	-0.59881	0.129	0.39	4.79E-22	Oligo	IDH1
FAM69A.2	3.25E-26	0.464533	0.174	0.055	4.85E-22	Oligo	FAM69A
PCYT1B.1	3.29E-26	0.35094	0.104	0.022	4.91E-22	Oligo	PCYT1B
ZNF532.6	3.34E-26	0.499641	0.228	0.088	4.99E-22	Oligo	ZNF532
DRAM2.8	3.49E-26	-0.71204	0.096	0.345	5.22E-22	Oligo	DRAM2
C3AR1.9	3.68E-26	-0.93967	0.024	0.246	5.50E-22	Oligo	C3AR1
FCGBP.8	3.96E-26	-1.02716	0.019	0.237	5.92E-22	Oligo	FCGBP
MAFB.7	3.97E-26	-0.77491	0.087	0.323	5.93E-22	Oligo	MAFB
COL9A2.4	4.22E-26	0.457191	0.228	0.084	6.30E-22	Oligo	COL9A2
KLF10.6	4.65E-26	-0.6983	0.019	0.241	6.95E-22	Oligo	KLF10

CAMK1. 5	5. 00E-26	-0. 58051	0. 014	0. 234	7. 47E-22 Oligo	CAMK1
DDX5. 6	5. 04E-26	-0. 3514	0. 624	0. 824	7. 53E-22 Oligo	DDX5
XBP1. 8	5. 38E-26	-0. 66072	0. 129	0. 38	8. 03E-22 Oligo	XBP1
MANF. 6	5. 77E-26	-0. 58039	0. 186	0. 461	8. 63E-22 Oligo	MANF
TMEM176A. 6.	43E-26	-0. 8784	0. 016	0. 235	9. 61E-22 Oligo	TMEM176A
RBM8A. 4	6. 56E-26	-0. 43348	0. 344	0. 623	9. 81E-22 Oligo	RBM8A
PTBP2. 7	6. 66E-26	0. 478264	0. 252	0. 1	9. 96E-22 Oligo	PTBP2
ZFAND6. 2	6. 77E-26	-0. 43107	0. 186	0. 46	1. 01E-21 Oligo	ZFAND6
TOP1. 4	6. 91E-26	-0. 55402	0. 139	0. 398	1. 03E-21 Oligo	TOP1
CDKL2	8. 27E-26	0. 219713	0. 054	0. 007	1. 24E-21 Oligo	CDKL2
IGFBP7. 7	8. 47E-26	-0. 80853	0. 047	0. 277	1. 27E-21 Oligo	IGFBP7
RAB20. 8	9. 55E-26	-0. 80125	0. 024	0. 244	1. 43E-21 Oligo	RAB20
TBXAS1. 9	1. 02E-25	-0. 85721	0. 026	0. 249	1. 53E-21 Oligo	TBXAS1
STK39. 6	1. 17E-25	0. 50207	0. 238	0. 096	1. 75E-21 Oligo	STK39
RICTOR. 5	1. 18E-25	0. 564427	0. 36	0. 179	1. 77E-21 Oligo	RICTOR
MT2A. 8	1. 23E-25	-0. 52152	0. 598	0. 791	1. 83E-21 Oligo	MT2A
RCBTB1. 4	1. 26E-25	0. 490211	0. 195	0. 067	1. 88E-21 Oligo	RCBTB1
MGAT1. 9	1. 28E-25	-0. 68995	0. 122	0. 367	1. 91E-21 Oligo	MGAT1
ITPA. 2	1. 30E-25	-0. 48906	0. 146	0. 414	1. 94E-21 Oligo	ITPA
B2M. 7	1. 56E-25	0. 174706	0. 974	0. 97	2. 33E-21 Oligo	B2M
EIF1. 7	1. 90E-25	0. 220762	0. 969	0. 974	2. 84E-21 Oligo	EIF1
ENOX1	1. 90E-25	0. 266087	0. 094	0. 019	2. 84E-21 Oligo	ENOX1
REL. 9	1. 96E-25	-0. 65245	0. 066	0. 307	2. 93E-21 Oligo	REL
FAM136A. 2	2. 00E-25	-0. 55175	0. 04	0. 271	2. 98E-21 Oligo	FAM136A
COL6A1. 8	2. 08E-25	-0. 64141	0. 019	0. 237	3. 11E-21 Oligo	COL6A1
FXYD7. 8	2. 10E-25	0. 461394	0. 212	0. 073	3. 14E-21 Oligo	FXYD7
GGH. 7	2. 18E-25	-0. 57348	0. 042	0. 271	3. 26E-21 Oligo	GGH
C1QBP. 6	2. 19E-25	-0. 49689	0. 32	0. 563	3. 27E-21 Oligo	C1QBP
RFFL. 9	2. 21E-25	0. 63815	0. 32	0. 159	3. 30E-21 Oligo	RFFL
THNSL2. 1	2. 57E-25	0. 232727	0. 094	0. 019	3. 84E-21 Oligo	THNSL2
JAM2. 9	3. 07E-25	-0. 59978	0. 033	0. 261	4. 58E-21 Oligo	JAM2
GAMT. 7	3. 30E-25	0. 580175	0. 464	0. 293	4. 93E-21 Oligo	GAMT
P4HB. 5	3. 63E-25	-0. 45104	0. 334	0. 581	5. 42E-21 Oligo	P4HB
CDKN1B. 8	4. 05E-25	0. 557405	0. 435	0. 252	6. 05E-21 Oligo	CDKN1B
SEC11A. 8	4. 08E-25	-0. 52305	0. 332	0. 601	6. 10E-21 Oligo	SEC11A
COL9A3. 9	4. 16E-25	0. 479476	0. 367	0. 179	6. 22E-21 Oligo	COL9A3
CD86. 9	4. 24E-25	-0. 90868	0. 012	0. 221	6. 34E-21 Oligo	CD86
HAVCR2. 9	4. 29E-25	-0. 89145	0. 024	0. 239	6. 41E-21 Oligo	HAVCR2
BSG. 8	4. 30E-25	-0. 33955	0. 513	0. 75	6. 42E-21 Oligo	BSG
CIB1. 8	4. 30E-25	-0. 44475	0. 224	0. 502	6. 43E-21 Oligo	CIB1
TGFBI. 9	4. 41E-25	-0. 83947	0. 005	0. 213	6. 59E-21 Oligo	TGFBI
PSD3. 8	5. 37E-25	0. 689626	0. 353	0. 188	8. 02E-21 Oligo	PSD3
RGS12. 8	5. 38E-25	-0. 57709	0. 049	0. 279	8. 04E-21 Oligo	RGS12
PRKCZ. 9	5. 70E-25	0. 461562	0. 24	0. 095	8. 51E-21 Oligo	PRKCZ
MTPN. 5	5. 89E-25	-0. 53527	0. 191	0. 441	8. 80E-21 Oligo	MTPN
CKLF. 9	5. 93E-25	-0. 39767	0. 245	0. 53	8. 86E-21 Oligo	CKLF
NAP1L1. 4	6. 28E-25	-0. 39218	0. 44	0. 683	9. 38E-21 Oligo	NAP1L1
PPM1G. 8	6. 28E-25	-0. 47126	0. 165	0. 428	9. 39E-21 Oligo	PPM1G
CD320. 7	7. 88E-25	-0. 55628	0. 08	0. 327	1. 18E-20 Oligo	CD320
PRR13. 7	8. 24E-25	-0. 469	0. 282	0. 553	1. 23E-20 Oligo	PRR13
RP11-557H	8. 33E-25	0. 382841	0. 106	0. 024	1. 25E-20 Oligo	RP11-557H15. 4

TULP4. 8	8. 38E-25	0. 643316	0. 292	0. 137	1. 25E-20	Oligo	TULP4
AP2M1. 2	8. 67E-25	-0. 31009	0. 468	0. 721	1. 30E-20	Oligo	AP2M1
GDE1. 5	8. 98E-25	0. 544328	0. 468	0. 293	1. 34E-20	Oligo	GDE1
CNPY3. 9	9. 19E-25	-0. 61482	0. 165	0. 422	1. 37E-20	Oligo	CNPY3
APOE. 7	9. 85E-25	-0. 50315	0. 513	0. 692	1. 47E-20	Oligo	APOE
TMEM261. 3	1. 02E-24	0. 633232	0. 532	0. 354	1. 52E-20	Oligo	TMEM261
CD276. 3	1. 02E-24	-0. 52162	0. 016	0. 23	1. 53E-20	Oligo	CD276
NUCKS1. 6	1. 15E-24	0. 447069	0. 713	0. 633	1. 72E-20	Oligo	NUCKS1
ANXA11. 9	1. 18E-24	-0. 66301	0. 014	0. 223	1. 76E-20	Oligo	ANXA11
SLC11A1. 9	1. 23E-24	-0. 73927	0. 078	0. 314	1. 84E-20	Oligo	SLC11A1
FBL. 6	1. 27E-24	-0. 46815	0. 127	0. 387	1. 90E-20	Oligo	FBL
ERGIC3. 6	1. 35E-24	-0. 41362	0. 334	0. 585	2. 01E-20	Oligo	ERGIC3
TMEM206. 7	1. 39E-24	0. 670077	0. 391	0. 225	2. 07E-20	Oligo	TMEM206
IL13RA1. 9	1. 51E-24	-0. 65888	0. 038	0. 257	2. 26E-20	Oligo	IL13RA1
LGALS3BP. 1	1. 52E-24	0. 47195	0. 602	0. 443	2. 27E-20	Oligo	LGALS3BP
PTPRZ1. 9	1. 64E-24	-0. 72334	0. 165	0. 392	2. 44E-20	Oligo	PTPRZ1
EIF4A3. 6	1. 90E-24	-0. 52582	0. 193	0. 459	2. 85E-20	Oligo	EIF4A3
TNC. 8	2. 27E-24	-0. 67738	0. 005	0. 208	3. 39E-20	Oligo	TNC
LDOC1. 8	2. 30E-24	0. 559761	0. 221	0. 083	3. 43E-20	Oligo	LDOC1
S100A16. 8	2. 32E-24	-0. 79936	0. 082	0. 315	3. 47E-20	Oligo	S100A16
SEMA6A. 7	2. 34E-24	0. 581578	0. 358	0. 194	3. 49E-20	Oligo	SEMA6A
NUCB1. 8	2. 51E-24	-0. 52916	0. 193	0. 454	3. 75E-20	Oligo	NUCB1
BAMBI. 6	2. 65E-24	0. 494725	0. 186	0. 065	3. 96E-20	Oligo	BAMBI
SLA. 9	2. 76E-24	-0. 83236	0. 007	0. 209	4. 13E-20	Oligo	SLA
VEGFA. 6	2. 88E-24	-0. 63184	0. 014	0. 223	4. 30E-20	Oligo	VEGFA
C8orf4. 8	3. 12E-24	-1. 00537	0. 024	0. 235	4. 66E-20	Oligo	C8orf4
ID4. 8	3. 23E-24	-0. 6453	0. 014	0. 223	4. 82E-20	Oligo	ID4
H3F3A. 3	3. 31E-24	0. 410611	0. 88	0. 742	4. 95E-20	Oligo	H3F3A
SGPP1. 6	3. 45E-24	0. 419496	0. 205	0. 074	5. 15E-20	Oligo	SGPP1
KPNA2. 6	3. 48E-24	-0. 59082	0. 122	0. 364	5. 21E-20	Oligo	KPNA2
ACTR3. 5	3. 52E-24	-0. 40397	0. 289	0. 57	5. 25E-20	Oligo	ACTR3
GNL3. 5	3. 71E-24	-0. 48951	0. 104	0. 355	5. 54E-20	Oligo	GNL3
COPS4. 3	3. 96E-24	-0. 52346	0. 089	0. 333	5. 92E-20	Oligo	COPS4
ZFAS1. 5	4. 11E-24	-0. 41102	0. 487	0. 705	6. 14E-20	Oligo	ZFAS1
GCLC. 6	4. 20E-24	0. 417056	0. 233	0. 092	6. 27E-20	Oligo	GCLC
RAB8A. 5	4. 25E-24	-0. 55544	0. 115	0. 365	6. 35E-20	Oligo	RAB8A
ENC1. 9	4. 59E-24	-0. 6037	0. 021	0. 232	6. 86E-20	Oligo	ENC1
ETS2. 9	4. 79E-24	-0. 7324	0. 012	0. 214	7. 16E-20	Oligo	ETS2
PRPF40A. 5	4. 85E-24	-0. 49223	0. 193	0. 46	7. 26E-20	Oligo	PRPF40A
CCND1. 5	4. 87E-24	-0. 63897	0. 019	0. 226	7. 28E-20	Oligo	CCND1
APH1A. 5	4. 94E-24	-0. 47106	0. 221	0. 494	7. 38E-20	Oligo	APH1A
ATG4C. 4	5. 24E-24	0. 636106	0. 289	0. 133	7. 83E-20	Oligo	ATG4C
SH3BGRL. 6	5. 73E-24	-0. 38769	0. 381	0. 658	8. 56E-20	Oligo	SH3BGRL
TMEM87A. 3	6. 05E-24	0. 614517	0. 438	0. 267	9. 04E-20	Oligo	TMEM87A
MAGED2. 9	6. 07E-24	-0. 36592	0. 238	0. 519	9. 07E-20	Oligo	MAGED2
TXNDC17. 7	6. 13E-24	-0. 42442	0. 285	0. 534	9. 16E-20	Oligo	TXNDC17
DCTPP1. 5	6. 15E-24	-0. 47672	0. 094	0. 339	9. 18E-20	Oligo	DCTPP1
STAT2. 2	6. 16E-24	0. 499563	0. 292	0. 133	9. 20E-20	Oligo	STAT2
CAPN1. 5	6. 19E-24	-0. 52223	0. 042	0. 267	9. 25E-20	Oligo	CAPN1
LAP3. 7	6. 61E-24	-0. 51847	0. 242	0. 501	9. 88E-20	Oligo	LAP3
C1R. 9	6. 99E-24	-0. 93252	0. 016	0. 223	1. 04E-19	Oligo	C1R

SLC25A6.4	7.35E-24	-0.24362	0.656	0.865	1.10E-19	Oligo	SLC25A6
CRMP1.8	7.84E-24	-0.62902	0.052	0.273	1.17E-19	Oligo	CRMP1
LGALS9.9	8.13E-24	-0.76682	0.035	0.248	1.21E-19	Oligo	LGALS9
VCAN.6	8.25E-24	-0.58166	0.035	0.254	1.23E-19	Oligo	VCAN
PPP2R2B.7	9.16E-24	0.594207	0.386	0.213	1.37E-19	Oligo	PPP2R2B
MSN.9	9.48E-24	-0.51604	0.134	0.384	1.42E-19	Oligo	MSN
EFEMP2.6	9.97E-24	-0.51879	0.016	0.222	1.49E-19	Oligo	EFEMP2
IL1B.8	1.18E-23	-0.86679	0.024	0.229	1.76E-19	Oligo	IL1B
GAA.8	1.24E-23	-0.52188	0.092	0.328	1.85E-19	Oligo	GAA
CHST11.8	1.46E-23	-0.57831	0.016	0.22	2.18E-19	Oligo	CHST11
TNFSF13B.1	1.60E-23	-0.79434	0.012	0.211	2.40E-19	Oligo	TNFSF13B
MMP2.5	1.65E-23	-0.57752	0.026	0.234	2.46E-19	Oligo	MMP2
SSNA1.5	1.74E-23	0.557853	0.579	0.441	2.60E-19	Oligo	SSNA1
SMARCB1.7	1.80E-23	-0.49721	0.172	0.423	2.69E-19	Oligo	SMARCB1
SERPINF1.1	1.94E-23	-0.79529	0.026	0.232	2.90E-19	Oligo	SERPINF1
STMN3.7	1.96E-23	-0.54937	0.087	0.315	2.93E-19	Oligo	STMN3
PTPRF.8	2.00E-23	0.533667	0.254	0.11	2.99E-19	Oligo	PTPRF
SLC2A3.8	2.04E-23	-0.70352	0.045	0.262	3.05E-19	Oligo	SLC2A3
LY96.9	2.06E-23	-0.59916	0.024	0.23	3.08E-19	Oligo	LY96
EIF3E.6	2.19E-23	-0.37531	0.391	0.656	3.28E-19	Oligo	EIF3E
HDAC3.4	2.26E-23	-0.44023	0.047	0.271	3.38E-19	Oligo	HDAC3
CCL2.3	2.60E-23	-1.00046	0.028	0.233	3.89E-19	Oligo	CCL2
CD300A.9	2.77E-23	-0.80576	0.005	0.199	4.14E-19	Oligo	CD300A
YTHDF2.7	2.86E-23	-0.5184	0.186	0.44	4.27E-19	Oligo	YTHDF2
IKBIP.7	2.92E-23	-0.59372	0.026	0.234	4.36E-19	Oligo	IKBIP
GLB1.6	3.53E-23	-0.55723	0.038	0.252	5.27E-19	Oligo	GLB1
CLEC2B.9	3.63E-23	-0.79564	0.014	0.212	5.43E-19	Oligo	CLEC2B
MYL6B.8	3.67E-23	-0.5132	0.2	0.451	5.49E-19	Oligo	MYL6B
GSTM3.6	3.78E-23	-0.5865	0.054	0.276	5.65E-19	Oligo	GSTM3
OLFML3.8	4.37E-23	-0.78769	0.028	0.234	6.53E-19	Oligo	OLFML3
NPL.8	4.50E-23	-0.76835	0.012	0.208	6.72E-19	Oligo	NPL
NDUFA3.3	4.95E-23	0.36468	0.725	0.646	7.40E-19	Oligo	NDUFA3
DLD.6	5.01E-23	-0.53849	0.113	0.353	7.48E-19	Oligo	DLD
LURAP1	5.43E-23	0.33072	0.104	0.025	8.12E-19	Oligo	LURAP1
HM13.3	5.52E-23	-0.46588	0.228	0.484	8.24E-19	Oligo	HM13
FDX1.4	5.98E-23	-0.48817	0.08	0.314	8.93E-19	Oligo	FDX1
APOC1.8	6.07E-23	-0.82519	0.348	0.522	9.07E-19	Oligo	APOC1
SLCO2B1.8	6.12E-23	-0.81884	0.026	0.228	9.15E-19	Oligo	SLCO2B1
DDIT4.8	6.28E-23	-0.60525	0.174	0.417	9.38E-19	Oligo	DDIT4
APOC2.8	6.36E-23	-1.00726	0.005	0.196	9.51E-19	Oligo	APOC2
ADORA1.7	6.38E-23	0.587737	0.259	0.117	9.53E-19	Oligo	ADORA1
PTPRC.9	6.60E-23	-0.79119	0.014	0.21	9.87E-19	Oligo	PTPRC
IER3.9	6.67E-23	-0.84948	0.045	0.249	9.97E-19	Oligo	IER3
RAB32.9	6.89E-23	-0.52646	0.035	0.246	1.03E-18	Oligo	RAB32
MT1E.8	7.00E-23	-0.67581	0.148	0.389	1.05E-18	Oligo	MT1E
C1orf21.8	7.20E-23	-0.53328	0.012	0.207	1.08E-18	Oligo	C1orf21
NMB.8	7.39E-23	-0.59507	0.012	0.209	1.10E-18	Oligo	NMB
PRDM8.4	7.66E-23	0.270501	0.108	0.026	1.14E-18	Oligo	PRDM8
LAT2.9	7.83E-23	-0.79388	0.014	0.21	1.17E-18	Oligo	LAT2
TRPV3	7.95E-23	0.303408	0.054	0.008	1.19E-18	Oligo	TRPV3
TAF9.5	8.09E-23	-0.47435	0.252	0.509	1.21E-18	Oligo	TAF9

KIF1B. 8	8. 11E-23	0. 595009	0. 445	0. 288	1. 21E-18 Oligo	KIF1B
SLC27A4. 2	8. 39E-23	0. 45507	0. 165	0. 055	1. 25E-18 Oligo	SLC27A4
MAP4K5. 7	8. 40E-23	0. 503826	0. 304	0. 149	1. 25E-18 Oligo	MAP4K5
ZC3H15. 4	8. 53E-23	-0. 38839	0. 247	0. 513	1. 27E-18 Oligo	ZC3H15
ETHE1. 4	8. 62E-23	-0. 55281	0. 071	0. 297	1. 29E-18 Oligo	ETHE1
MT1M. 7	9. 12E-23	-0. 70031	0. 04	0. 251	1. 36E-18 Oligo	MT1M
BTBD3. 8	9. 25E-23	0. 6	0. 275	0. 132	1. 38E-18 Oligo	BTBD3
ATP50. 1	9. 65E-23	-0. 26982	0. 515	0. 758	1. 44E-18 Oligo	ATP50
PDZD11. 5	9. 69E-23	-0. 53574	0. 127	0. 367	1. 45E-18 Oligo	PDZD11
SLITRK2. 4	9. 80E-23	0. 346001	0. 118	0. 031	1. 46E-18 Oligo	SLITRK2
SEPT9. 5	9. 96E-23	-0. 54091	0. 118	0. 349	1. 49E-18 Oligo	9-Sep
LSM4. 5	1. 17E-22	-0. 43946	0. 325	0. 569	1. 75E-18 Oligo	LSM4
SERTAD1. 5	1. 18E-22	-0. 5769	0. 092	0. 324	1. 76E-18 Oligo	SERTAD1
PRELID1. 4	1. 22E-22	-0. 45877	0. 327	0. 568	1. 83E-18 Oligo	PRELID1
VASP. 9	1. 24E-22	-0. 54175	0. 038	0. 247	1. 85E-18 Oligo	VASP
FJX1. 8	1. 27E-22	-0. 54316	0. 014	0. 208	1. 90E-18 Oligo	FJX1
EFS. 7	1. 30E-22	0. 601831	0. 238	0. 101	1. 94E-18 Oligo	EFS
IKZF5	1. 34E-22	0. 296857	0. 127	0. 035	2. 00E-18 Oligo	IKZF5
APBA2. 9	1. 42E-22	0. 608863	0. 36	0. 201	2. 12E-18 Oligo	APBA2
LAIR1. 9	1. 42E-22	-0. 81241	0. 035	0. 238	2. 13E-18 Oligo	LAIR1
CLCN3. 7	1. 53E-22	0. 610863	0. 4	0. 243	2. 28E-18 Oligo	CLCN3
KIDINS22C	1. 63E-22	0. 536127	0. 426	0. 263	2. 43E-18 Oligo	KIDINS220
FAM46A. 5	1. 67E-22	-0. 53464	0. 009	0. 203	2. 50E-18 Oligo	FAM46A
CD302. 9	1. 69E-22	-0. 69614	0. 016	0. 212	2. 52E-18 Oligo	CD302
NPM3. 5	1. 71E-22	-0. 58137	0. 024	0. 224	2. 56E-18 Oligo	NPM3
PKIG. 8	1. 75E-22	-0. 58373	0. 089	0. 319	2. 61E-18 Oligo	PKIG
EFHD2. 9	1. 87E-22	-0. 60527	0. 021	0. 217	2. 79E-18 Oligo	EFHD2
CNN3. 8	1. 97E-22	-0. 60156	0. 282	0. 475	2. 95E-18 Oligo	CNN3
IQCJ-SCHI	1. 99E-22	0. 343696	0. 08	0. 016	2. 97E-18 Oligo	IQCJ-SCHIP1
GLOD4. 4	1. 99E-22	-0. 34686	0. 144	0. 398	2. 98E-18 Oligo	GLOD4
UNC93B1. 9	2. 01E-22	-0. 5973	0. 014	0. 208	3. 00E-18 Oligo	UNC93B1
SLC4A7. 4	2. 17E-22	-0. 50846	0. 021	0. 221	3. 24E-18 Oligo	SLC4A7
JUN. 6	2. 30E-22	-0. 43937	0. 456	0. 68	3. 43E-18 Oligo	JUN
IGFBP3. 7	2. 42E-22	-0. 72045	0. 009	0. 201	3. 62E-18 Oligo	IGFBP3
LSM1. 4	2. 55E-22	-0. 38783	0. 207	0. 465	3. 82E-18 Oligo	LSM1
DNTTIP1. 3	2. 60E-22	-0. 54362	0. 108	0. 338	3. 88E-18 Oligo	DNTTIP1
EIF3F. 5	2. 88E-22	-0. 44677	0. 358	0. 615	4. 31E-18 Oligo	EIF3F
GCSH. 8	2. 90E-22	0. 468929	0. 492	0. 341	4. 33E-18 Oligo	GCSH
LGMN. 8	3. 14E-22	-0. 60748	0. 129	0. 359	4. 69E-18 Oligo	LGMN
FAM92A1. 7	3. 24E-22	-0. 47463	0. 014	0. 208	4. 84E-18 Oligo	FAM92A1
ADAM9. 6	3. 39E-22	-0. 52044	0. 108	0. 338	5. 06E-18 Oligo	ADAM9
LSM5. 6	3. 40E-22	-0. 36036	0. 256	0. 516	5. 08E-18 Oligo	LSM5
FKBP10. 9	3. 52E-22	-0. 4568	0. 021	0. 219	5. 27E-18 Oligo	FKBP10
NACA. 4	3. 62E-22	-0. 24599	0. 755	0. 931	5. 41E-18 Oligo	NACA
PYGL. 8	3. 70E-22	-0. 62705	0. 009	0. 199	5. 53E-18 Oligo	PYGL
GPAT2. 1	3. 85E-22	0. 21755	0. 061	0. 01	5. 75E-18 Oligo	GPAT2
RUNX1. 8	3. 87E-22	-0. 4913	0. 007	0. 197	5. 79E-18 Oligo	RUNX1
C18orf32. 3	3. 97E-22	0. 486309	0. 398	0. 23	5. 93E-18 Oligo	C18orf32
ZEB1. 8	4. 08E-22	-0. 46911	0. 009	0. 199	6. 10E-18 Oligo	ZEB1
GSDMD. 8	4. 20E-22	-0. 59033	0. 005	0. 192	6. 27E-18 Oligo	GSDMD
SEC61B. 3	4. 56E-22	-0. 34411	0. 508	0. 745	6. 81E-18 Oligo	SEC61B

KLHL2.3	4.58E-22	0.383457	0.207	0.081	6.84E-18	Oligo	KLHL2
EIF3I.4	4.66E-22	-0.39849	0.346	0.611	6.97E-18	Oligo	EIF3I
TUBB6.7	4.83E-22	-0.58266	0.005	0.191	7.22E-18	Oligo	TUBB6
MAP3K11.5	4.94E-22	0.514291	0.336	0.176	7.39E-18	Oligo	MAP3K11
RAMP1.8	4.97E-22	-0.84694	0.202	0.42	7.43E-18	Oligo	RAMP1
CHD1.6	5.00E-22	-0.48639	0.075	0.301	7.47E-18	Oligo	CHD1
SPOCD1.7	5.18E-22	-0.81905	0.026	0.225	7.74E-18	Oligo	SPOCD1
SERINC1.2	5.19E-22	0.524907	0.553	0.413	7.76E-18	Oligo	SERINC1
RBX1.7	5.24E-22	0.42555	0.744	0.662	7.83E-18	Oligo	RBX1
FZD3.6	5.37E-22	-0.46605	0.064	0.284	8.03E-18	Oligo	FZD3
SLC25A5.5	5.43E-22	-0.27917	0.471	0.731	8.11E-18	Oligo	SLC25A5
HES1.6	5.51E-22	-0.66406	0.014	0.204	8.23E-18	Oligo	HES1
PPA2.4	5.56E-22	-0.51464	0.096	0.324	8.31E-18	Oligo	PPA2
ATL1.6	5.64E-22	0.596384	0.252	0.111	8.43E-18	Oligo	ATL1
SERPINH1.5	5.78E-22	-0.48278	0.019	0.216	8.63E-18	Oligo	SERPINH1
DAAM1.7	5.89E-22	-0.51252	0.042	0.248	8.81E-18	Oligo	DAAM1
CD01.9	6.51E-22	-0.54499	0.038	0.242	9.73E-18	Oligo	CD01
C5orf30.6	6.65E-22	0.453966	0.191	0.071	9.93E-18	Oligo	C5orf30
ANKIB1.8	6.79E-22	0.541618	0.358	0.203	1.02E-17	Oligo	ANKIB1
FKBP5.9	6.91E-22	-0.48835	0.094	0.325	1.03E-17	Oligo	FKBP5
PSMA7.4	7.04E-22	-0.29736	0.607	0.808	1.05E-17	Oligo	PSMA7
USP6	7.13E-22	0.201317	0.089	0.02	1.06E-17	Oligo	USP6
CCNY.5	7.25E-22	0.460185	0.24	0.104	1.08E-17	Oligo	CCNY
KDR	7.29E-22	0.164713	0.042	0.005	1.09E-17	Oligo	KDR
HES4.8	7.62E-22	-0.47696	0.007	0.194	1.14E-17	Oligo	HES4
ARL6IP1.4	7.68E-22	-0.32477	0.527	0.75	1.15E-17	Oligo	ARL6IP1
RBMS1.6	8.20E-22	-0.51305	0.049	0.258	1.23E-17	Oligo	RBMS1
HOGA1	8.22E-22	0.199541	0.052	0.007	1.23E-17	Oligo	HOGA1
CRIP2.7	8.45E-22	-0.54015	0.094	0.322	1.26E-17	Oligo	CRIP2
CYBB.9	8.46E-22	-0.76296	0.012	0.199	1.26E-17	Oligo	CYBB
ARF4.4	9.45E-22	-0.34987	0.367	0.631	1.41E-17	Oligo	ARF4
FYB.9	9.63E-22	-0.76972	0.033	0.23	1.44E-17	Oligo	FYB
FARP1.3	1.08E-21	-0.44481	0.007	0.192	1.61E-17	Oligo	FARP1
ADAP2.9	1.13E-21	-0.72917	0.007	0.191	1.68E-17	Oligo	ADAP2
RUFY2.9	1.17E-21	0.648117	0.287	0.144	1.75E-17	Oligo	RUFY2
CHMP1B.6	1.26E-21	-0.41142	0.191	0.447	1.88E-17	Oligo	CHMP1B
UQCRH.4	1.32E-21	-0.26996	0.562	0.789	1.98E-17	Oligo	UQCRH
FAM195A.5	1.42E-21	-0.48946	0.052	0.262	2.12E-17	Oligo	FAM195A
OSBP2	1.44E-21	0.317565	0.118	0.033	2.15E-17	Oligo	OSBP2
POLR2H.6	1.44E-21	-0.48774	0.104	0.331	2.16E-17	Oligo	POLR2H
GTF3A.6	1.47E-21	-0.47039	0.273	0.513	2.19E-17	Oligo	GTF3A
ASAH1.7	1.47E-21	-0.36964	0.402	0.661	2.20E-17	Oligo	ASAH1
GDI1.8	1.85E-21	0.480766	0.609	0.481	2.76E-17	Oligo	GDI1
EIF6.2	1.86E-21	-0.30476	0.256	0.531	2.77E-17	Oligo	EIF6
BZW2.5	1.94E-21	-0.52283	0.066	0.278	2.90E-17	Oligo	BZW2
TP53I13.6	1.97E-21	-0.45543	0.045	0.252	2.95E-17	Oligo	TP53I13
ELAVL4.8	2.10E-21	-0.7283	0.005	0.185	3.14E-17	Oligo	ELAVL4
SLC25A13.2	2.14E-21	0.473254	0.266	0.122	3.20E-17	Oligo	SLC25A13
PTPRN2.4	2.24E-21	-0.6427	0.028	0.219	3.35E-17	Oligo	PTPRN2
MAPK1IP1L.2	2.25E-21	-0.40496	0.144	0.384	3.36E-17	Oligo	MAPK1IP1L
CCNH.5	2.33E-21	-0.433	0.176	0.42	3.48E-17	Oligo	CCNH



CD99L2.4	2.38E-21	0.601039	0.266	0.125	3.56E-17	Oligo	CD99L2
GADD45B.5	2.43E-21	-0.52975	0.256	0.499	3.63E-17	Oligo	GADD45B
PGBD5.1	2.44E-21	0.366113	0.108	0.028	3.65E-17	Oligo	PGBD5
ORMDL1.1	2.46E-21	-0.33787	0.235	0.492	3.68E-17	Oligo	ORMDL1
TAPT1	2.53E-21	0.359383	0.162	0.055	3.79E-17	Oligo	TAPT1
EIF4E2.5	2.61E-21	-0.45933	0.111	0.341	3.90E-17	Oligo	EIF4E2
DEPTOR.5	2.64E-21	0.413134	0.136	0.041	3.94E-17	Oligo	DEPTOR
TRIM8.4	2.72E-21	0.426438	0.226	0.094	4.06E-17	Oligo	TRIM8
BCAS2.4	2.93E-21	-0.42425	0.231	0.471	4.38E-17	Oligo	BCAS2
ZBTB44.3	2.96E-21	0.439835	0.254	0.115	4.42E-17	Oligo	ZBTB44
IFNGR1.9	3.07E-21	-0.51934	0.207	0.446	4.59E-17	Oligo	IFNGR1
SLIRP.3	3.10E-21	0.418637	0.699	0.618	4.63E-17	Oligo	SLIRP
ATP6AP2.5	3.18E-21	-0.35355	0.412	0.665	4.75E-17	Oligo	ATP6AP2
BHLHE40.7	3.20E-21	-0.56947	0.014	0.2	4.79E-17	Oligo	BHLHE40
CUEDC1.6	3.33E-21	0.491285	0.242	0.11	4.98E-17	Oligo	CUEDC1
COMMD10.4	3.46E-21	-0.506	0.033	0.232	5.17E-17	Oligo	COMMD10
ITM2C.9	3.70E-21	-0.4955	0.184	0.426	5.52E-17	Oligo	ITM2C
YPEL5.4	3.87E-21	-0.40125	0.207	0.461	5.79E-17	Oligo	YPEL5
CEBPG.2	3.90E-21	-0.50563	0.049	0.256	5.84E-17	Oligo	CEBPG
CTTN.8	3.95E-21	0.555428	0.379	0.224	5.91E-17	Oligo	CTTN
OS9.2	4.08E-21	-0.51048	0.315	0.544	6.09E-17	Oligo	OS9
MRC2.4	4.11E-21	-0.45384	0.002	0.18	6.14E-17	Oligo	MRC2
FSCN1.8	4.42E-21	0.414547	0.614	0.5	6.61E-17	Oligo	FSCN1
TMEM147.1	4.46E-21	-0.44917	0.362	0.604	6.66E-17	Oligo	TMEM147
TNS1.4	4.59E-21	0.310739	0.146	0.046	6.86E-17	Oligo	TNS1
SLBP.7	4.83E-21	-0.43641	0.094	0.319	7.22E-17	Oligo	SLBP
LYPD1.7	5.04E-21	-0.53968	0.016	0.202	7.54E-17	Oligo	LYPD1
EPN2.8	5.23E-21	0.490942	0.388	0.231	7.82E-17	Oligo	EPN2
DPM1.6	5.39E-21	-0.47477	0.151	0.387	8.05E-17	Oligo	DPM1
DNP1.5	5.45E-21	-0.47714	0.144	0.386	8.15E-17	Oligo	DNP1
ZKSCAN1.8	6.33E-21	0.564929	0.466	0.311	9.46E-17	Oligo	ZKSCAN1
ETV5.6	6.36E-21	-0.47502	0.056	0.266	9.51E-17	Oligo	ETV5
WBP2.3	6.59E-21	0.510387	0.586	0.447	9.84E-17	Oligo	WBP2
NBL1.7	6.83E-21	-0.49532	0.007	0.185	1.02E-16	Oligo	NBL1
SFT2D1.9	6.88E-21	0.563195	0.624	0.497	1.03E-16	Oligo	SFT2D1
APLN.5	7.00E-21	0.299027	0.111	0.029	1.05E-16	Oligo	APLN
BEX4.7	7.21E-21	0.61906	0.638	0.47	1.08E-16	Oligo	BEX4
CBX3.7	7.24E-21	-0.45396	0.32	0.562	1.08E-16	Oligo	CBX3
HK1.6	7.52E-21	-0.46346	0.016	0.202	1.12E-16	Oligo	HK1
AGAP3.5	7.60E-21	0.414882	0.226	0.095	1.14E-16	Oligo	AGAP3
AGPAT2.9	7.71E-21	-0.48015	0.007	0.186	1.15E-16	Oligo	AGPAT2
LINC00632	7.97E-21	0.425233	0.219	0.087	1.19E-16	Oligo	LINC00632
LYZ.9	7.98E-21	-0.8067	0.028	0.213	1.19E-16	Oligo	LYZ
PLAC8L1	8.06E-21	0.128532	0.031	0.003	1.21E-16	Oligo	PLAC8L1
EGLN3.5	8.46E-21	0.336876	0.169	0.059	1.26E-16	Oligo	EGLN3
ETFA.6	8.47E-21	-0.47504	0.146	0.381	1.27E-16	Oligo	ETFA
DUSP4.7	8.53E-21	-0.51961	0.007	0.186	1.27E-16	Oligo	DUSP4
UBE2D3.6	8.68E-21	-0.33026	0.499	0.736	1.30E-16	Oligo	UBE2D3
PALLD.6	8.81E-21	-0.43395	0.019	0.205	1.32E-16	Oligo	PALLD
SERBP1.1	8.89E-21	-0.35195	0.419	0.634	1.33E-16	Oligo	SERBP1
P4HA1.4	9.28E-21	-0.52809	0.035	0.231	1.39E-16	Oligo	P4HA1

NEDD9. 6	9. 65E-21	-0. 53426	0. 033	0. 228	1. 44E-16 Oligo	NEDD9
HPRT1. 7	9. 87E-21	-0. 56181	0. 042	0. 237	1. 47E-16 Oligo	HPRT1
CHPT1. 7	1. 05E-20	-0. 49669	0. 094	0. 311	1. 57E-16 Oligo	CHPT1
NMI. 8	1. 06E-20	-0. 57235	0. 009	0. 189	1. 58E-16 Oligo	NMI
DCTD. 2	1. 06E-20	-0. 4934	0. 059	0. 263	1. 58E-16 Oligo	DCTD
DHR SX. 2	1. 10E-20	-0. 45907	0. 042	0. 24	1. 64E-16 Oligo	DHR SX
PTTG1. 8	1. 12E-20	-0. 63119	0. 042	0. 237	1. 68E-16 Oligo	PTTG1
PFDN5. 7	1. 19E-20	-0. 22233	0. 692	0. 891	1. 77E-16 Oligo	PFDN5
RGMA. 8	1. 19E-20	-0. 43737	0. 021	0. 207	1. 78E-16 Oligo	RGMA
UNC119. 4	1. 20E-20	-0. 44103	0. 031	0. 224	1. 80E-16 Oligo	UNC119
ERV3-1. 8	1. 21E-20	-0. 46303	0. 061	0. 268	1. 81E-16 Oligo	ERV3-1
RP11-395G	1. 22E-20	-0. 48095	0. 007	0. 184	1. 83E-16 Oligo	RP11-395G23. 3
ABI3. 9	1. 23E-20	-0. 74672	0. 016	0. 196	1. 83E-16 Oligo	ABI3
SH3BP5. 7	1. 39E-20	0. 507861	0. 348	0. 195	2. 08E-16 Oligo	SH3BP5
CLIP4. 1	1. 57E-20	0. 343761	0. 155	0. 053	2. 35E-16 Oligo	CLIP4
IL18. 9	1. 59E-20	-0. 77983	0. 019	0. 2	2. 38E-16 Oligo	IL18
FUCA1. 7	1. 60E-20	-0. 55171	0. 035	0. 227	2. 39E-16 Oligo	FUCA1
SFR1. 5	1. 63E-20	0. 587399	0. 176	0. 064	2. 44E-16 Oligo	SFR1
PDIA3. 9	1. 69E-20	-0. 43151	0. 355	0. 591	2. 52E-16 Oligo	PDIA3
ARF5. 2	1. 71E-20	-0. 42815	0. 292	0. 538	2. 56E-16 Oligo	ARF5
CHI3L2. 5	1. 82E-20	-1. 16242	0. 009	0. 187	2. 72E-16 Oligo	CHI3L2
LMO2. 3	1. 87E-20	-0. 45401	0	0. 171	2. 79E-16 Oligo	LMO2
SPAG7. 1	1. 90E-20	-0. 36051	0. 233	0. 488	2. 83E-16 Oligo	SPAG7
SPG20. 4	1. 90E-20	0. 585373	0. 384	0. 232	2. 85E-16 Oligo	SPG20
CRTC3. 3	1. 95E-20	0. 506559	0. 245	0. 111	2. 92E-16 Oligo	CRTC3
SLC25A3. 3	2. 00E-20	-0. 38697	0. 52	0. 755	2. 99E-16 Oligo	SLC25A3
HLA-DQA2. 2	2. 16E-20	-0. 90656	0. 005	0. 178	3. 23E-16 Oligo	HLA-DQA2
ISG15. 7	2. 26E-20	-0. 4668	0. 129	0. 365	3. 37E-16 Oligo	ISG15
DARS. 5	2. 26E-20	-0. 38645	0. 174	0. 411	3. 38E-16 Oligo	DARS
NUDT4. 1	2. 33E-20	-0. 42953	0. 024	0. 21	3. 48E-16 Oligo	NUDT4
WDR54. 6	2. 35E-20	-0. 36266	0. 04	0. 241	3. 51E-16 Oligo	WDR54
WAS. 9	2. 42E-20	-0. 68991	0. 007	0. 181	3. 62E-16 Oligo	WAS
DYNLT3. 3	2. 50E-20	-0. 43147	0. 087	0. 302	3. 74E-16 Oligo	DYNLT3
FNBP1L. 9	2. 55E-20	-0. 44172	0. 012	0. 191	3. 81E-16 Oligo	FNBP1L
LYRM5. 6	2. 60E-20	0. 618973	0. 485	0. 335	3. 88E-16 Oligo	LYRM5
UQCRC2. 3	2. 70E-20	-0. 40692	0. 273	0. 522	4. 03E-16 Oligo	UQCRC2
GRHPR. 5	2. 80E-20	0. 637086	0. 527	0. 388	4. 19E-16 Oligo	GRHPR
SNRPB2. 6	2. 81E-20	-0. 35676	0. 334	0. 573	4. 19E-16 Oligo	SNRPB2
ARC. 7	2. 81E-20	-0. 62163	0. 028	0. 215	4. 20E-16 Oligo	ARC
GRAMD3. 9	2. 87E-20	0. 535642	0. 278	0. 135	4. 29E-16 Oligo	GRAMD3
DCX. 9	2. 98E-20	-0. 62017	0. 028	0. 211	4. 45E-16 Oligo	DCX
ERCC1. 7	3. 05E-20	-0. 45959	0. 235	0. 481	4. 56E-16 Oligo	ERCC1
TMEM258. 4	3. 05E-20	0. 430585	0. 786	0. 727	4. 56E-16 Oligo	TMEM258
MNDA. 9	3. 16E-20	-0. 75331	0. 009	0. 183	4. 72E-16 Oligo	MNDA
MED28. 5	3. 18E-20	-0. 39499	0. 12	0. 347	4. 75E-16 Oligo	MED28
F3. 9	3. 18E-20	-0. 53389	0. 019	0. 198	4. 75E-16 Oligo	F3
SERPINE2. 3	3. 20E-20	-0. 49735	0. 092	0. 301	4. 79E-16 Oligo	SERPINE2
GNB2. 6	3. 33E-20	-0. 36032	0. 341	0. 578	4. 98E-16 Oligo	GNB2
TIMM22. 5	3. 33E-20	-0. 40745	0. 049	0. 25	4. 98E-16 Oligo	TIMM22
COL6A2. 8	3. 52E-20	-0. 54576	0	0. 169	5. 25E-16 Oligo	COL6A2
SLC18B1. 6	3. 68E-20	-0. 53678	0. 009	0. 185	5. 50E-16 Oligo	SLC18B1

C1GALT1. 2	3. 72E-20	0. 474646	0. 304	0. 157	5. 56E-16	Oligo	C1GALT1
ALDH2. 6	3. 76E-20	-0. 48989	0. 151	0. 379	5. 62E-16	Oligo	ALDH2
FNDC4. 7	3. 95E-20	-0. 41769	0. 021	0. 205	5. 90E-16	Oligo	FNDC4
FGL2. 9	3. 96E-20	-0. 72416	0. 009	0. 183	5. 91E-16	Oligo	FGL2
MSRA. 7	4. 01E-20	-0. 5038	0. 061	0. 264	6. 00E-16	Oligo	MSRA
XIST. 9	4. 11E-20	-0. 31932	0. 059	0. 274	6. 14E-16	Oligo	XIST
C7orf73. 6	4. 21E-20	-0. 34641	0. 313	0. 564	6. 29E-16	Oligo	C7orf73
STXBP2. 9	4. 30E-20	-0. 67828	0. 007	0. 179	6. 43E-16	Oligo	STXBP2
TSPAN4. 5	4. 48E-20	-0. 50476	0. 012	0. 187	6. 70E-16	Oligo	TSPAN4
MKRN1. 8	4. 50E-20	-0. 40291	0. 179	0. 417	6. 73E-16	Oligo	MKRN1
SNHG8. 4	4. 66E-20	-0. 49475	0. 235	0. 477	6. 96E-16	Oligo	SNHG8
CCNE2. 6	4. 68E-20	0. 385281	0. 16	0. 055	6. 99E-16	Oligo	CCNE2
EIF3M. 6	4. 68E-20	-0. 33752	0. 282	0. 535	6. 99E-16	Oligo	EIF3M
DNAJC2. 6	4. 69E-20	-0. 40448	0. 087	0. 306	7. 00E-16	Oligo	DNAJC2
SLN. 6	4. 82E-20	-0. 98657	0	0. 168	7. 20E-16	Oligo	SLN
MSR1. 9	4. 82E-20	-0. 72943	0. 012	0. 186	7. 21E-16	Oligo	MSR1
PGM1. 5	5. 17E-20	-0. 39965	0. 054	0. 258	7. 73E-16	Oligo	PGM1
PPIC. 7	5. 66E-20	-0. 49506	0. 014	0. 189	8. 46E-16	Oligo	PPIC
MFSD1. 9	5. 87E-20	-0. 5237	0. 134	0. 352	8. 77E-16	Oligo	MFSD1
CASKIN2. 3	5. 88E-20	0. 399869	0. 132	0. 041	8. 79E-16	Oligo	CASKIN2
TGFA	5. 98E-20	0. 314686	0. 106	0. 028	8. 94E-16	Oligo	TGFA
RP11-21A7	5. 99E-20	0. 133544	0. 042	0. 005	8. 95E-16	Oligo	RP11-21A7A. 4
RAE1. 5	6. 32E-20	-0. 35099	0. 066	0. 275	9. 45E-16	Oligo	RAE1
ADAMTS18	6. 37E-20	0. 183607	0. 064	0. 012	9. 53E-16	Oligo	ADAMTS18
HCK. 9	6. 64E-20	-0. 68427	0. 005	0. 173	9. 93E-16	Oligo	HCK
PLEK. 9	6. 80E-20	-0. 74814	0. 009	0. 181	1. 02E-15	Oligo	PLEK
KDELR1. 4	6. 98E-20	-0. 3091	0. 252	0. 502	1. 04E-15	Oligo	KDELR1
SLC39A1. 5	6. 99E-20	-0. 44269	0. 158	0. 396	1. 04E-15	Oligo	SLC39A1
FOSL2. 8	7. 42E-20	-0. 52487	0. 016	0. 192	1. 11E-15	Oligo	FOSL2
CECR5. 4	8. 10E-20	-0. 41034	0. 056	0. 259	1. 21E-15	Oligo	CECR5
DERL2. 5	8. 29E-20	-0. 40971	0. 129	0. 36	1. 24E-15	Oligo	DERL2
TMEM107. 3	8. 67E-20	-0. 47635	0. 035	0. 224	1. 30E-15	Oligo	TMEM107
DFNA5. 4	8. 83E-20	-0. 5326	0. 024	0. 202	1. 32E-15	Oligo	DFNA5
SLC11A2. 3	9. 14E-20	0. 477288	0. 313	0. 163	1. 37E-15	Oligo	SLC11A2
WLS. 7	9. 28E-20	-0. 4965	0. 035	0. 221	1. 39E-15	Oligo	WLS
CSF2RA. 8	9. 42E-20	-0. 76908	0. 028	0. 209	1. 41E-15	Oligo	CSF2RA
ALDH6A1. 6	9. 57E-20	0. 54426	0. 351	0. 201	1. 43E-15	Oligo	ALDH6A1
COPZ1. 3	1. 04E-19	-0. 33203	0. 247	0. 494	1. 56E-15	Oligo	COPZ1
EVI2B. 9	1. 17E-19	-0. 76459	0. 031	0. 209	1. 75E-15	Oligo	EVI2B
NQO2. 4	1. 18E-19	-0. 44142	0. 059	0. 26	1. 76E-15	Oligo	NQO2
BVES	1. 21E-19	0. 226219	0. 082	0. 019	1. 81E-15	Oligo	BVES
SLC52A2. 4	1. 23E-19	-0. 40555	0. 078	0. 288	1. 83E-15	Oligo	SLC52A2
NR4A2. 9	1. 23E-19	-0. 70257	0. 066	0. 258	1. 84E-15	Oligo	NR4A2
SLC4A2. 1	1. 24E-19	0. 531318	0. 278	0. 141	1. 86E-15	Oligo	SLC4A2
CMC2. 4	1. 24E-19	0. 47754	0. 454	0. 299	1. 86E-15	Oligo	CMC2
DENR. 5	1. 27E-19	-0. 41668	0. 111	0. 328	1. 90E-15	Oligo	DENR
PRPF31. 5	1. 34E-19	-0. 36821	0. 169	0. 4	2. 00E-15	Oligo	PRPF31
MEX3A. 8	1. 35E-19	-0. 46187	0. 012	0. 184	2. 02E-15	Oligo	MEX3A
MZT1. 5	1. 49E-19	-0. 47385	0. 064	0. 263	2. 23E-15	Oligo	MZT1
MAGOH. 4	1. 55E-19	-0. 43492	0. 188	0. 422	2. 32E-15	Oligo	MAGOH
EBPL. 6	1. 57E-19	-0. 35991	0. 094	0. 31	2. 34E-15	Oligo	EBPL

GLA. 8	1. 58E-19	-0. 55814	0. 038	0. 222	2. 36E-15 Oligo	GLA
SMC4. 7	1. 59E-19	-0. 49547	0. 033	0. 218	2. 38E-15 Oligo	SMC4
TXNL1. 3	1. 63E-19	-0. 39389	0. 235	0. 48	2. 44E-15 Oligo	TXNL1
TRIM23. 4	1. 64E-19	0. 437732	0. 191	0. 076	2. 45E-15 Oligo	TRIM23
RNF24. 6	1. 65E-19	-0. 44832	0. 059	0. 255	2. 46E-15 Oligo	RNF24
SOS2. 3	1. 69E-19	0. 457943	0. 193	0. 079	2. 53E-15 Oligo	SOS2
EPCAM	1. 71E-19	0. 23055	0. 052	0. 008	2. 56E-15 Oligo	EPCAM
CRLS1. 5	1. 74E-19	-0. 40936	0. 085	0. 291	2. 60E-15 Oligo	CRLS1
CMPK1. 5	1. 86E-19	-0. 42572	0. 188	0. 425	2. 77E-15 Oligo	CMPK1
NOP10. 9	1. 90E-19	-0. 28878	0. 379	0. 615	2. 84E-15 Oligo	NOP10
LUZP1. 2	1. 98E-19	-0. 45582	0. 019	0. 194	2. 96E-15 Oligo	LUZP1
SNX1. 4	1. 99E-19	0. 572688	0. 367	0. 216	2. 97E-15 Oligo	SNX1
SERTAD4	2. 27E-19	0. 181071	0. 047	0. 007	3. 39E-15 Oligo	SERTAD4
BBIP1. 4	2. 32E-19	0. 570268	0. 318	0. 173	3. 47E-15 Oligo	BBIP1
SDC2. 6	2. 43E-19	-0. 57838	0. 024	0. 198	3. 64E-15 Oligo	SDC2
VMO1. 8	2. 59E-19	-0. 73672	0. 002	0. 165	3. 87E-15 Oligo	VMO1
ABL1. 2	2. 61E-19	0. 409028	0. 209	0. 088	3. 91E-15 Oligo	ABL1
DHRS3. 7	2. 63E-19	-0. 62232	0. 009	0. 177	3. 92E-15 Oligo	DHRS3
KCNQ2. 8	2. 94E-19	-0. 43583	0. 035	0. 222	4. 40E-15 Oligo	KCNQ2
AXL. 8	2. 98E-19	-0. 71736	0. 016	0. 187	4. 45E-15 Oligo	AXL
RUVBL1. 6	3. 01E-19	-0. 38962	0. 071	0. 273	4. 50E-15 Oligo	RUVBL1
MRFAP1. 8	3. 10E-19	0. 375117	0. 744	0. 668	4. 64E-15 Oligo	MRFAP1
FAM105A. 9	3. 15E-19	-0. 66061	0. 005	0. 168	4. 71E-15 Oligo	FAM105A
F13A1. 6	3. 20E-19	-0. 87414	0. 002	0. 165	4. 79E-15 Oligo	F13A1
FAM213A. 7	3. 29E-19	-0. 43436	0. 169	0. 391	4. 92E-15 Oligo	FAM213A
GTF2B. 5	3. 63E-19	-0. 49072	0. 101	0. 307	5. 43E-15 Oligo	GTF2B
GPCPD1. 4	3. 82E-19	-0. 43914	0. 026	0. 204	5. 70E-15 Oligo	GPCPD1
KDM6B. 8	3. 86E-19	-0. 54383	0. 045	0. 229	5. 77E-15 Oligo	KDM6B
GNB4. 7	3. 86E-19	-0. 45018	0. 049	0. 24	5. 77E-15 Oligo	GNB4
EIF3D. 7	4. 27E-19	-0. 39056	0. 245	0. 485	6. 38E-15 Oligo	EIF3D
NCK1. 2	4. 38E-19	-0. 42236	0. 056	0. 251	6. 54E-15 Oligo	NCK1
NCKAP5. 1	4. 53E-19	0. 373222	0. 167	0. 061	6. 77E-15 Oligo	NCKAP5
STEAP3. 5	4. 64E-19	-0. 50911	0. 005	0. 167	6. 93E-15 Oligo	STEAP3
TPM2. 6	4. 64E-19	-0. 48979	0. 005	0. 169	6. 93E-15 Oligo	TPM2
S100A8. 9	4. 68E-19	-0. 88802	0. 021	0. 191	7. 00E-15 Oligo	S100A8
C1S. 7	4. 83E-19	-0. 77856	0. 005	0. 168	7. 22E-15 Oligo	C1S
C7orf50. 4	4. 88E-19	-0. 40965	0. 287	0. 516	7. 29E-15 Oligo	C7orf50
ATG13. 1	4. 97E-19	0. 491422	0. 259	0. 125	7. 43E-15 Oligo	ATG13
SAMHD1. 9	5. 03E-19	-0. 44436	0. 038	0. 221	7. 52E-15 Oligo	SAMHD1
MPC2. 4	5. 04E-19	-0. 33761	0. 339	0. 591	7. 54E-15 Oligo	MPC2
TREM1. 8	5. 26E-19	-0. 8273	0. 007	0. 17	7. 87E-15 Oligo	TREM1
TCTEX1D2. 5	5. 49E-19	-0. 44971	0. 047	0. 234	8. 21E-15 Oligo	TCTEX1D2
NDUFA12. 4	5. 49E-19	-0. 26677	0. 301	0. 568	8. 21E-15 Oligo	NDUFA12
POLR1D. 5	5. 51E-19	-0. 45543	0. 195	0. 424	8. 23E-15 Oligo	POLR1D
TAPBP. 8	5. 53E-19	-0. 41708	0. 129	0. 351	8. 26E-15 Oligo	TAPBP
SOAT1. 9	5. 57E-19	-0. 54169	0. 028	0. 204	8. 32E-15 Oligo	SOAT1
FOLR2. 9	5. 86E-19	-0. 90511	0. 016	0. 184	8. 75E-15 Oligo	FOLR2
MIDN. 6	5. 90E-19	-0. 3787	0. 188	0. 423	8. 82E-15 Oligo	MIDN
NAGA. 9	5. 90E-19	-0. 6102	0. 021	0. 191	8. 82E-15 Oligo	NAGA
MAP3K8. 9	5. 90E-19	-0. 70718	0. 021	0. 189	8. 82E-15 Oligo	MAP3K8
PDXK. 8	6. 00E-19	-0. 4722	0. 087	0. 292	8. 96E-15 Oligo	PDXK

NKX2-2.8	6.49E-19	0.445189	0.292	0.142	9.70E-15	Oligo	NKX2-2
SQRDL.9	6.75E-19	-0.61114	0.005	0.166	1.01E-14	Oligo	SQRDL
PBDC1.2	7.09E-19	-0.50446	0.071	0.268	1.06E-14	Oligo	PBDC1
TMED2.5	7.25E-19	-0.3771	0.395	0.62	1.08E-14	Oligo	TMED2
GAL3ST4.8	7.48E-19	-0.65637	0.012	0.177	1.12E-14	Oligo	GAL3ST4
SYNCRIP.6	7.55E-19	-0.36576	0.165	0.392	1.13E-14	Oligo	SYNCRIP
ANP32E.7	7.79E-19	-0.42745	0.078	0.275	1.16E-14	Oligo	ANP32E
APEX1.1	8.13E-19	-0.38437	0.301	0.546	1.21E-14	Oligo	APEX1
MYO1E.1	8.34E-19	0.453432	0.167	0.064	1.25E-14	Oligo	MYO1E
LSM10	8.45E-19	-0.47121	0.195	0.421	1.26E-14	Oligo	LSM10
SLC7A7.9	8.51E-19	-0.68692	0.014	0.18	1.27E-14	Oligo	SLC7A7
NDUFAF3.3	8.95E-19	0.508875	0.626	0.513	1.34E-14	Oligo	NDUFAF3
AP1S1.8	9.03E-19	-0.34882	0.235	0.476	1.35E-14	Oligo	AP1S1
EPB41L2.7	9.39E-19	0.430782	0.473	0.305	1.40E-14	Oligo	EPB41L2
C12orf75.9	9.58E-19	-0.50806	0.026	0.199	1.43E-14	Oligo	C12orf75
CLEC7A.9	9.87E-19	-0.70653	0.016	0.181	1.47E-14	Oligo	CLEC7A
NKAPL	1.07E-18	0.204002	0.052	0.008	1.60E-14	Oligo	NKAPL
OLFM2.7	1.10E-18	-0.53036	0.026	0.198	1.65E-14	Oligo	OLFM2
PLAU.9	1.20E-18	-0.51443	0.007	0.169	1.80E-14	Oligo	PLAU
ADH5.6	1.22E-18	-0.31177	0.167	0.397	1.82E-14	Oligo	ADH5
AP2S1.7	1.33E-18	-0.23918	0.438	0.669	1.98E-14	Oligo	AP2S1
ENG.9	1.35E-18	-0.60955	0.009	0.171	2.02E-14	Oligo	ENG
VPS25.4	1.35E-18	-0.3388	0.12	0.338	2.02E-14	Oligo	VPS25
KANK1.6	1.39E-18	0.727239	0.202	0.088	2.07E-14	Oligo	KANK1
PPIB.4	1.40E-18	-0.26343	0.508	0.732	2.09E-14	Oligo	PPIB
RAB30.7	1.45E-18	0.398953	0.179	0.071	2.16E-14	Oligo	RAB30
LYN.9	1.52E-18	-0.56355	0.014	0.18	2.27E-14	Oligo	LYN
TM6SF1.9	1.55E-18	-0.71022	0.005	0.164	2.31E-14	Oligo	TM6SF1
PPP1R12A.1	1.60E-18	-0.44587	0.146	0.367	2.39E-14	Oligo	PPP1R12A
NNMT.7	1.61E-18	-0.7906	0.005	0.163	2.40E-14	Oligo	NNMT
PARVG.9	1.67E-18	-0.66453	0.007	0.167	2.49E-14	Oligo	PARVG
IDH3B.2	1.67E-18	-0.25832	0.191	0.432	2.50E-14	Oligo	IDH3B
SYF2.1	1.70E-18	-0.34646	0.287	0.526	2.54E-14	Oligo	SYF2
LTC4S.9	1.76E-18	-0.66144	0.012	0.174	2.63E-14	Oligo	LTC4S
BTG2.5	1.78E-18	-0.35257	0.238	0.476	2.66E-14	Oligo	BTG2
RNASEH2B.1	1.81E-18	-0.40759	0.056	0.245	2.71E-14	Oligo	RNASEH2B
GOLIM4.5	1.81E-18	-0.43545	0.122	0.334	2.71E-14	Oligo	GOLIM4
LASP1.6	1.85E-18	-0.46475	0.038	0.216	2.76E-14	Oligo	LASP1
INTS10.4	1.89E-18	-0.39189	0.101	0.31	2.82E-14	Oligo	INTS10
NRP1.7	1.89E-18	-0.42219	0.009	0.171	2.83E-14	Oligo	NRP1
ABCG1.7	1.90E-18	0.399712	0.273	0.126	2.84E-14	Oligo	ABCG1
PSMG2.4	1.92E-18	-0.41834	0.186	0.421	2.86E-14	Oligo	PSMG2
TNFRSF1B.2	2.00E-18	-0.63571	0.026	0.194	2.99E-14	Oligo	TNFRSF1B
GBP2.6	2.03E-18	-0.53114	0.035	0.215	3.04E-14	Oligo	GBP2
DNPEP.3	2.09E-18	-0.36371	0.056	0.248	3.12E-14	Oligo	DNPEP
FERMT3.9	2.10E-18	-0.64771	0.012	0.172	3.14E-14	Oligo	FERMT3
SNTG1.8	2.12E-18	-0.51718	0.002	0.159	3.17E-14	Oligo	SNTG1
POR.4	2.13E-18	-0.45513	0.075	0.272	3.18E-14	Oligo	POR
IER5.5	2.14E-18	-0.4379	0.031	0.209	3.19E-14	Oligo	IER5
GPX3.8	2.14E-18	-0.58858	0.002	0.158	3.20E-14	Oligo	GPX3
ANKRD40.4	2.14E-18	0.466086	0.306	0.17	3.20E-14	Oligo	ANKRD40

HMGA1.5	2.16E-18	-0.36726	0.134	0.353	3.23E-14	Oligo	HMGA1
NETO2.5	2.17E-18	-0.36541	0.007	0.167	3.25E-14	Oligo	NETO2
SYNE2.9	2.20E-18	-0.42082	0.014	0.18	3.29E-14	Oligo	SYNE2
VPS29.5	2.26E-18	-0.27457	0.315	0.562	3.38E-14	Oligo	VPS29
VAMP3.6	2.27E-18	0.517157	0.482	0.343	3.39E-14	Oligo	VAMP3
VMA21.7	2.28E-18	-0.47177	0.136	0.348	3.41E-14	Oligo	VMA21
SSBP1.4	2.42E-18	-0.29165	0.421	0.647	3.62E-14	Oligo	SSBP1
OSBPL6.5	2.45E-18	-0.34786	0.005	0.162	3.66E-14	Oligo	OSBPL6
CETN2.7	2.53E-18	-0.43282	0.118	0.33	3.78E-14	Oligo	CETN2
AC007228.2	2.53E-18	0.278093	0.096	0.026	3.79E-14	Oligo	AC007228.9
TUBG1.7	2.58E-18	-0.39548	0.052	0.24	3.86E-14	Oligo	TUBG1
WBSCR22.7	2.72E-18	-0.34541	0.256	0.502	4.06E-14	Oligo	WBSCR22
IGSF21.7	2.76E-18	-0.59829	0.009	0.169	4.12E-14	Oligo	IGSF21
MYEOV2.3	2.85E-18	0.36565	0.706	0.672	4.25E-14	Oligo	MYEOV2
THYN1.6	3.09E-18	-0.39661	0.188	0.414	4.62E-14	Oligo	THYN1
SULF2.4	3.19E-18	-0.38706	0.007	0.165	4.76E-14	Oligo	SULF2
PRMT1.5	3.19E-18	-0.23235	0.329	0.562	4.76E-14	Oligo	PRMT1
NNAT.9	3.22E-18	-0.85035	0.033	0.202	4.81E-14	Oligo	NNAT
FCGR1B.8	3.26E-18	-0.7423	0.009	0.169	4.87E-14	Oligo	FCGR1B
CHID1.4	3.26E-18	-0.40326	0.221	0.445	4.88E-14	Oligo	CHID1
EIF3K.7	3.35E-18	-0.27845	0.532	0.767	5.01E-14	Oligo	EIF3K
CTXN1.9	3.46E-18	-0.35669	0.007	0.165	5.17E-14	Oligo	CTXN1
PCDH17.7	3.56E-18	0.565685	0.325	0.186	5.32E-14	Oligo	PCDH17
ATAD3C	3.71E-18	0.276068	0.096	0.026	5.55E-14	Oligo	ATAD3C
RELN	3.92E-18	0.19669	0.021	0.001	5.85E-14	Oligo	RELN
TPST2.7	3.97E-18	-0.4392	0.012	0.173	5.93E-14	Oligo	TPST2
JAG1.8	4.07E-18	-0.38509	0.007	0.164	6.08E-14	Oligo	JAG1
GPN1.3	4.20E-18	-0.43016	0.049	0.23	6.28E-14	Oligo	GPN1
PTPN6.9	4.23E-18	-0.62954	0.009	0.168	6.32E-14	Oligo	PTPN6
RNASE2.9	4.25E-18	-0.74865	0.007	0.163	6.36E-14	Oligo	RNASE2
RPA2.3	4.30E-18	-0.39753	0.118	0.327	6.43E-14	Oligo	RPA2
ARHGAP18.4	4.46E-18	-0.58062	0.016	0.178	6.66E-14	Oligo	ARHGAP18
ATF5.6	4.59E-18	-0.54472	0.031	0.2	6.85E-14	Oligo	ATF5
NSG1.9	4.65E-18	-0.6611	0.019	0.182	6.95E-14	Oligo	NSG1
IL10RB.9	4.66E-18	-0.49754	0.061	0.25	6.96E-14	Oligo	IL10RB
BLOC1S4.9	4.97E-18	-0.37976	0.061	0.25	7.43E-14	Oligo	BLOC1S4
RARS.4	5.10E-18	-0.46319	0.064	0.251	7.62E-14	Oligo	RARS
GIMAP4.9	5.12E-18	-0.69447	0.002	0.155	7.65E-14	Oligo	GIMAP4
SRPX.8	5.18E-18	-0.52706	0.019	0.183	7.75E-14	Oligo	SRPX
RFX4.7	5.42E-18	-0.4548	0.002	0.156	8.10E-14	Oligo	RFX4
FIBIN.8	5.42E-18	-0.47036	0.047	0.233	8.10E-14	Oligo	FIBIN
NCF4.9	5.60E-18	-0.67484	0	0.151	8.37E-14	Oligo	NCF4
RAB5B.4	5.65E-18	0.520706	0.351	0.209	8.44E-14	Oligo	RAB5B
ARF1.5	5.99E-18	-0.27009	0.456	0.703	8.95E-14	Oligo	ARF1
TMEM54.6	6.13E-18	-0.30613	0.028	0.202	9.16E-14	Oligo	TMEM54
PSMD2.6	6.16E-18	-0.37858	0.231	0.47	9.20E-14	Oligo	PSMD2
ETV1.9	6.23E-18	-0.53005	0.066	0.251	9.30E-14	Oligo	ETV1
TIMM17A.4	6.25E-18	-0.33397	0.158	0.384	9.33E-14	Oligo	TIMM17A
FOXG1.8	6.26E-18	-0.34888	0.005	0.159	9.35E-14	Oligo	FOXG1
FILIP1L.8	6.26E-18	-0.47574	0.002	0.155	9.36E-14	Oligo	FILIP1L
IMPDH2.8	6.28E-18	-0.26896	0.191	0.425	9.39E-14	Oligo	IMPDH2

FAM26F.9	6.30E-18	-0.61654	0.014	0.172	9.41E-14	Oligo	FAM26F
NUPR1.7	6.49E-18	-0.62641	0.132	0.331	9.70E-14	Oligo	NUPR1
NR2F1.6	6.95E-18	-0.36109	0.012	0.171	1.04E-13	Oligo	NR2F1
HYAL2.9	7.28E-18	-0.35955	0.049	0.229	1.09E-13	Oligo	HYAL2
PROX1.8	7.49E-18	0.453501	0.296	0.159	1.12E-13	Oligo	PROX1
CHCHD3.5	7.51E-18	-0.30408	0.153	0.377	1.12E-13	Oligo	CHCHD3
EMP1.5	7.53E-18	-0.48764	0.019	0.184	1.13E-13	Oligo	EMP1
TMSB15A.9	7.74E-18	-0.51255	0.021	0.184	1.16E-13	Oligo	TMSB15A
PPP1CA.7	7.93E-18	-0.33864	0.346	0.58	1.19E-13	Oligo	PPP1CA
MIAT.8	8.13E-18	-0.50772	0.014	0.173	1.21E-13	Oligo	MIAT
ASPH.5	8.23E-18	-0.41061	0.087	0.284	1.23E-13	Oligo	ASPH
PLXNB2.5	8.60E-18	-0.40827	0.007	0.163	1.29E-13	Oligo	PLXNB2
ATP6V1F.5	9.18E-18	-0.22329	0.6	0.809	1.37E-13	Oligo	ATP6V1F
F2R.9	9.20E-18	-0.36263	0.014	0.174	1.38E-13	Oligo	F2R
HOMER1.8	9.22E-18	-0.36372	0.007	0.162	1.38E-13	Oligo	HOMER1
RNF149.9	9.76E-18	-0.56028	0.089	0.278	1.46E-13	Oligo	RNF149
PPA1.6	9.96E-18	0.439286	0.633	0.525	1.49E-13	Oligo	PPA1
SHISA4.7	1.00E-17	0.601445	0.376	0.241	1.50E-13	Oligo	SHISA4
CBWD1.3	1.00E-17	-0.44925	0.042	0.22	1.50E-13	Oligo	CBWD1
SYT17.5	1.05E-17	-0.3927	0.009	0.165	1.57E-13	Oligo	SYT17
HSPH1.5	1.09E-17	-0.4446	0.153	0.369	1.63E-13	Oligo	HSPH1
LTF.6	1.11E-17	-1.25152	0.005	0.157	1.65E-13	Oligo	LTF
ANXA2R.8	1.16E-17	-0.43489	0.005	0.157	1.73E-13	Oligo	ANXA2R
ECI2.6	1.22E-17	-0.431	0.132	0.33	1.82E-13	Oligo	ECI2
IRF8.9	1.26E-17	-0.62546	0.009	0.164	1.89E-13	Oligo	IRF8
GNAS.8	1.28E-17	-0.31975	0.494	0.653	1.91E-13	Oligo	GNAS
DAB2.8	1.36E-17	-0.63736	0.005	0.156	2.03E-13	Oligo	DAB2
CDC42EP4.1	1.38E-17	-0.45579	0.035	0.207	2.07E-13	Oligo	CDC42EP4
TM2D2.2	1.44E-17	-0.34901	0.136	0.348	2.16E-13	Oligo	TM2D2
WTAP.5	1.44E-17	-0.39338	0.207	0.429	2.16E-13	Oligo	WTAP
DKC1.4	1.51E-17	-0.39673	0.08	0.272	2.26E-13	Oligo	DKC1
RAC3.8	1.52E-17	-0.36901	0.024	0.189	2.26E-13	Oligo	RAC3
DCLK2.9	1.61E-17	-0.40269	0.033	0.202	2.41E-13	Oligo	DCLK2
PRRX1.9	1.62E-17	-0.4069	0.016	0.177	2.42E-13	Oligo	PRRX1
STAB1.8	1.62E-17	-0.67597	0.012	0.167	2.42E-13	Oligo	STAB1
ZFH3.5	1.63E-17	-0.46353	0.033	0.201	2.44E-13	Oligo	ZFH3
LSP1.9	1.63E-17	-0.68161	0.014	0.172	2.44E-13	Oligo	LSP1
PILRA.8	1.67E-17	-0.69662	0.014	0.171	2.49E-13	Oligo	PILRA
HAUS1.1	1.68E-17	-0.43298	0.056	0.237	2.51E-13	Oligo	HAUS1
PLEKHJ1.5	1.69E-17	-0.45889	0.16	0.374	2.53E-13	Oligo	PLEKHJ1
ICAM1.7	1.71E-17	-0.57396	0.014	0.169	2.56E-13	Oligo	ICAM1
CMTM7.9	1.78E-17	-0.54896	0.014	0.17	2.66E-13	Oligo	CMTM7
GNPMB.8	1.78E-17	-0.72007	0.04	0.206	2.67E-13	Oligo	GNPMB
SNX5.5	1.86E-17	-0.3427	0.184	0.402	2.78E-13	Oligo	SNX5
FAM60A.5	1.87E-17	-0.40405	0.019	0.18	2.80E-13	Oligo	FAM60A
HOTAIRM1.1	1.89E-17	-0.56765	0.026	0.188	2.83E-13	Oligo	HOTAIRM1
IFT20.1	1.90E-17	-0.34989	0.136	0.352	2.83E-13	Oligo	IFT20
ATP5C1.6	1.90E-17	-0.254	0.353	0.595	2.84E-13	Oligo	ATP5C1
WEE1.6	1.92E-17	-0.35063	0.005	0.155	2.88E-13	Oligo	WEE1
LMCD1-AS1	1.95E-17	0.308102	0.073	0.017	2.92E-13	Oligo	LMCD1-AS1
IGSF6.9	1.98E-17	-0.67399	0.007	0.159	2.96E-13	Oligo	IGSF6

PDZD7.1	2.01E-17	0.140518	0.061	0.012	3.01E-13	Oligo	PDZD7
IQSEC1.3	2.04E-17	0.400736	0.165	0.064	3.04E-13	Oligo	IQSEC1
PAPOLA.3	2.16E-17	-0.33343	0.252	0.493	3.23E-13	Oligo	PAPOLA
CBX6.6	2.17E-17	0.503487	0.374	0.235	3.24E-13	Oligo	CBX6
WNK1.5	2.20E-17	0.51195	0.405	0.274	3.28E-13	Oligo	WNK1
LEPROTL1.	2.27E-17	-0.34989	0.181	0.396	3.39E-13	Oligo	LEPROTL1
OAT.2	2.31E-17	0.478777	0.381	0.232	3.45E-13	Oligo	OAT
AKIRIN2.6	2.38E-17	-0.34901	0.169	0.389	3.55E-13	Oligo	AKIRIN2
CYC1.7	2.39E-17	-0.37774	0.32	0.548	3.58E-13	Oligo	CYC1
IQGAP2.3	2.53E-17	-0.38727	0.005	0.154	3.77E-13	Oligo	IQGAP2
IFT57.8	2.59E-17	-0.41909	0.066	0.254	3.88E-13	Oligo	IFT57
TCP11L2	2.62E-17	0.214426	0.066	0.014	3.92E-13	Oligo	TCP11L2
DDX17.4	2.63E-17	0.432822	0.529	0.42	3.93E-13	Oligo	DDX17
NES.9	2.67E-17	-0.56901	0.101	0.282	3.99E-13	Oligo	NES
DHRS7.7	2.73E-17	-0.26623	0.332	0.565	4.08E-13	Oligo	DHRS7
TSR1.5	2.74E-17	-0.33705	0.028	0.195	4.09E-13	Oligo	TSR1
TRABD.9	2.75E-17	-0.4317	0.075	0.266	4.10E-13	Oligo	TRABD
DDX27.4	2.85E-17	-0.2693	0.092	0.289	4.25E-13	Oligo	DDX27
APRT.7	2.92E-17	-0.35968	0.322	0.539	4.37E-13	Oligo	APRT
CNIH3.6	2.97E-17	-0.33656	0.016	0.174	4.43E-13	Oligo	CNIH3
LIFR.6	2.97E-17	0.406601	0.224	0.105	4.44E-13	Oligo	LIFR
DAP.5	2.98E-17	-0.40784	0.092	0.283	4.46E-13	Oligo	DAP
MAGED1.8	3.01E-17	-0.44343	0.146	0.352	4.50E-13	Oligo	MAGED1
PDRG1.7	3.06E-17	-0.31585	0.082	0.275	4.57E-13	Oligo	PDRG1
SLC8A1.8	3.07E-17	-0.43138	0.002	0.15	4.58E-13	Oligo	SLC8A1
PLEC.7	3.41E-17	-0.42414	0.028	0.192	5.09E-13	Oligo	PLEC
SAV1.1	3.48E-17	0.572044	0.212	0.097	5.20E-13	Oligo	SAV1
LSM6.4	3.52E-17	-0.32427	0.129	0.338	5.26E-13	Oligo	LSM6
LINC01094	3.55E-17	-0.66135	0.009	0.159	5.30E-13	Oligo	LINC01094
PAM.8	3.57E-17	-0.35204	0.014	0.17	5.33E-13	Oligo	PAM
UBE2I.5	3.59E-17	-0.33986	0.376	0.584	5.37E-13	Oligo	UBE2I
HEXA.8	3.63E-17	-0.47284	0.191	0.397	5.42E-13	Oligo	HEXA
COPS8.8	3.66E-17	-0.34405	0.249	0.478	5.47E-13	Oligo	COPS8
SRSF3.1	3.66E-17	-0.23985	0.52	0.737	5.47E-13	Oligo	SRSF3
MPP5.5	3.98E-17	0.419121	0.205	0.092	5.95E-13	Oligo	MPP5
SDC3.5	4.01E-17	-0.43798	0.035	0.202	6.00E-13	Oligo	SDC3
SEC11C.7	4.03E-17	0.453313	0.598	0.493	6.02E-13	Oligo	SEC11C
MMD.6	4.04E-17	-0.44944	0.071	0.251	6.04E-13	Oligo	MMD
TSPAN7.7	4.08E-17	-0.57608	0.127	0.317	6.10E-13	Oligo	TSPAN7
ELP5.5	4.13E-17	-0.33881	0.08	0.274	6.17E-13	Oligo	ELP5
PIR.5	4.40E-17	0.511001	0.146	0.053	6.58E-13	Oligo	PIR
SOCS3.8	4.44E-17	-0.39844	0.146	0.356	6.63E-13	Oligo	SOCS3
SIGLEC10.	4.48E-17	-0.61863	0.014	0.167	6.70E-13	Oligo	SIGLEC10
SP100.8	4.50E-17	-0.40519	0.089	0.294	6.73E-13	Oligo	SP100
UTP18.2	4.56E-17	-0.41862	0.082	0.271	6.81E-13	Oligo	UTP18
LBH.9	4.57E-17	-0.54017	0.009	0.159	6.83E-13	Oligo	LBH
TOR1A.4	4.94E-17	-0.41347	0.08	0.268	7.38E-13	Oligo	TOR1A
SOX9.8	4.96E-17	-0.46958	0.094	0.278	7.41E-13	Oligo	SOX9
TNFSF12.9	4.99E-17	-0.47113	0.028	0.191	7.46E-13	Oligo	TNFSF12
HSPA12A	5.03E-17	0.25581	0.092	0.025	7.52E-13	Oligo	HSPA12A
PDCD2.7	5.10E-17	-0.38702	0.104	0.301	7.62E-13	Oligo	PDCD2



MAGEF1. 8	5. 12E-17	-0. 31602	0. 16	0. 371	7. 66E-13	Oligo	MAGEF1
RBMX. 5	5. 18E-17	-0. 37108	0. 344	0. 575	7. 74E-13	Oligo	RBMX
HEPH	5. 31E-17	0. 102657	0. 033	0. 004	7. 94E-13	Oligo	HEPH
REEP2. 7	5. 39E-17	-0. 3388	0. 038	0. 208	8. 05E-13	Oligo	REEP2
THOC2. 3	5. 40E-17	-0. 37233	0. 111	0. 311	8. 06E-13	Oligo	THOC2
NUPL2. 5	5. 45E-17	-0. 4192	0. 085	0. 275	8. 14E-13	Oligo	NUPL2
COP3. 4	5. 48E-17	-0. 35295	0. 162	0. 376	8. 18E-13	Oligo	COP3
ADAMTS14	5. 53E-17	0. 214095	0. 064	0. 013	8. 27E-13	Oligo	ADAMTS14
OXA1L. 8	5. 61E-17	-0. 48283	0. 115	0. 308	8. 39E-13	Oligo	OXA1L
KIAA1147.	5. 81E-17	0. 392358	0. 169	0. 068	8. 68E-13	Oligo	KIAA1147
RUSC2. 1	5. 97E-17	0. 299049	0. 113	0. 036	8. 93E-13	Oligo	RUSC2
TAGLN3. 8	6. 06E-17	-0. 56496	0. 033	0. 194	9. 05E-13	Oligo	TAGLN3
CLU. 9	6. 10E-17	-0. 45234	0. 68	0. 786	9. 12E-13	Oligo	CLU
SDAD1. 4	6. 31E-17	-0. 35689	0. 049	0. 225	9. 43E-13	Oligo	SDAD1
BTBD8	6. 32E-17	0. 18704	0. 066	0. 014	9. 44E-13	Oligo	BTBD8
GPX7. 5	6. 58E-17	-0. 42736	0. 024	0. 183	9. 84E-13	Oligo	GPX7
ATP6V1B2.	6. 70E-17	-0. 44317	0. 207	0. 416	1. 00E-12	Oligo	ATP6V1B2
CCDC107. 5	6. 79E-17	-0. 40022	0. 184	0. 398	1. 01E-12	Oligo	CCDC107
B3GNT5. 8	6. 94E-17	-0. 46061	0. 002	0. 147	1. 04E-12	Oligo	B3GNT5
BBOX1. 8	7. 01E-17	-0. 48339	0	0. 142	1. 05E-12	Oligo	BBOX1
PTTG1IP. 3	7. 33E-17	-0. 40177	0. 245	0. 464	1. 10E-12	Oligo	PTTG1IP
SYNGR2. 9	7. 57E-17	0. 468566	0. 487	0. 322	1. 13E-12	Oligo	SYNGR2
GOS2. 7	7. 60E-17	-0. 72251	0. 031	0. 19	1. 14E-12	Oligo	GOS2
PTGS1. 9	7. 64E-17	-0. 52982	0. 012	0. 162	1. 14E-12	Oligo	PTGS1
TRIB1. 5	7. 70E-17	-0. 51458	0. 012	0. 162	1. 15E-12	Oligo	TRIB1
FCGR2B. 9	7. 84E-17	-0. 71957	0. 005	0. 149	1. 17E-12	Oligo	FCGR2B
SOCS2. 7	7. 94E-17	-0. 39387	0. 012	0. 162	1. 19E-12	Oligo	SOCS2
FNDC3B. 5	8. 06E-17	-0. 37967	0. 021	0. 179	1. 21E-12	Oligo	FNDC3B
PSMB3. 4	8. 08E-17	-0. 21011	0. 489	0. 712	1. 21E-12	Oligo	PSMB3
RNF103. 3	8. 80E-17	0. 408804	0. 214	0. 098	1. 32E-12	Oligo	RNF103
HILPDA. 8	8. 89E-17	-0. 54786	0. 056	0. 233	1. 33E-12	Oligo	HILPDA
SLC43A2. 8	9. 14E-17	-0. 46939	0. 073	0. 252	1. 37E-12	Oligo	SLC43A2
EIF3L. 4	9. 73E-17	-0. 28144	0. 388	0. 614	1. 45E-12	Oligo	EIF3L
ZNRD1. 3	9. 80E-17	-0. 37443	0. 045	0. 217	1. 46E-12	Oligo	ZNRD1
ARNT2. 8	9. 87E-17	0. 459952	0. 221	0. 107	1. 47E-12	Oligo	ARNT2
TRMT10C. 6	9. 93E-17	-0. 32704	0. 073	0. 256	1. 48E-12	Oligo	TRMT10C
THOC7. 3	1. 01E-16	-0. 32482	0. 176	0. 397	1. 51E-12	Oligo	THOC7
UAP1. 5	1. 04E-16	-0. 41554	0. 031	0. 191	1. 55E-12	Oligo	UAP1
ENTPD1. 9	1. 04E-16	-0. 62841	0. 016	0. 168	1. 56E-12	Oligo	ENTPD1
CHL1. 7	1. 05E-16	-0. 38881	0. 009	0. 158	1. 57E-12	Oligo	CHL1
PFKFB3. 8	1. 06E-16	-0. 53217	0. 075	0. 25	1. 58E-12	Oligo	PFKFB3
METTL23. 3	1. 09E-16	-0. 39372	0. 125	0. 326	1. 63E-12	Oligo	METTL23
TMEM243. 5	1. 11E-16	-0. 48921	0. 042	0. 208	1. 65E-12	Oligo	TMEM243
KARS. 4	1. 11E-16	-0. 33241	0. 167	0. 381	1. 66E-12	Oligo	KARS
JUNB. 5	1. 12E-16	-0. 28621	0. 499	0. 732	1. 67E-12	Oligo	JUNB
CTSV. 1	1. 12E-16	0. 177589	0. 059	0. 012	1. 68E-12	Oligo	CTSV
MAPKAP1. 3	1. 13E-16	-0. 36925	0. 071	0. 257	1. 69E-12	Oligo	MAPKAP1
ETF1. 7	1. 14E-16	-0. 46099	0. 148	0. 353	1. 71E-12	Oligo	ETF1
FOXN2. 3	1. 18E-16	0. 502768	0. 252	0. 126	1. 76E-12	Oligo	FOXN2
PTGR1. 4	1. 18E-16	-0. 4586	0. 031	0. 191	1. 76E-12	Oligo	PTGR1
TANK. 1	1. 23E-16	-0. 39789	0. 136	0. 338	1. 84E-12	Oligo	TANK

CTNNBL1.2	1.27E-16	-0.37201	0.106	0.304	1.90E-12	Oligo	CTNNBL1
SAT2.6	1.27E-16	-0.31879	0.379	0.594	1.90E-12	Oligo	SAT2
TPM4.7	1.31E-16	-0.42076	0.304	0.504	1.96E-12	Oligo	TPM4
STEAP1B	1.34E-16	0.288027	0.049	0.009	2.00E-12	Oligo	STEAP1B
ICK.5	1.35E-16	0.36983	0.188	0.081	2.01E-12	Oligo	ICK
APBB1IP.9	1.36E-16	-0.60076	0.014	0.162	2.03E-12	Oligo	APBB1IP
RPIA.4	1.40E-16	-0.38948	0.033	0.194	2.09E-12	Oligo	RPIA
IFI35.7	1.41E-16	-0.43723	0.061	0.237	2.11E-12	Oligo	IFI35
COMMD6.4	1.47E-16	-0.24536	0.576	0.784	2.19E-12	Oligo	COMMD6
DOK5.8	1.48E-16	-0.41985	0.028	0.188	2.22E-12	Oligo	DOK5
CD4.9	1.52E-16	-0.56893	0.012	0.16	2.27E-12	Oligo	CD4
DOK1.9	1.55E-16	-0.44009	0.012	0.159	2.32E-12	Oligo	DOK1
COMMD7.4	1.57E-16	-0.34314	0.191	0.408	2.34E-12	Oligo	COMMD7
ECHDC2.5	1.62E-16	-0.40718	0.033	0.194	2.42E-12	Oligo	ECHDC2
SPATA2.3	1.62E-16	0.397753	0.16	0.064	2.42E-12	Oligo	SPATA2
LYPLA2.3	1.65E-16	-0.38262	0.054	0.227	2.47E-12	Oligo	LYPLA2
SLC2A5.9	1.70E-16	-0.72014	0.024	0.176	2.54E-12	Oligo	SLC2A5
SLC1A5.8	1.76E-16	-0.4764	0.002	0.143	2.63E-12	Oligo	SLC1A5
SEPT6.7	1.78E-16	-0.44652	0.019	0.171	2.66E-12	Oligo	6-Sep
IFI27L1.5	1.81E-16	-0.40257	0.031	0.191	2.71E-12	Oligo	IFI27L1
TRIM47.9	1.82E-16	-0.35368	0.026	0.185	2.72E-12	Oligo	TRIM47
FAM210B.9	1.85E-16	-0.37169	0.089	0.277	2.77E-12	Oligo	FAM210B
LPL.5	1.93E-16	-0.50202	0.014	0.163	2.89E-12	Oligo	LPL
MGST1.6	1.95E-16	-1.00971	0.007	0.15	2.91E-12	Oligo	MGST1
LAMTOR3.2	1.95E-16	-0.44987	0.085	0.267	2.92E-12	Oligo	LAMTOR3
COA6.4	1.95E-16	-0.44816	0.094	0.283	2.92E-12	Oligo	COA6
CCS.3	1.96E-16	-0.36874	0.082	0.267	2.92E-12	Oligo	CCS
KLF4.9	1.98E-16	-0.6095	0.049	0.212	2.96E-12	Oligo	KLF4
OGFRL1.9	1.99E-16	-0.50757	0.031	0.187	2.98E-12	Oligo	OGFRL1
KBTBD3.2	2.00E-16	0.465853	0.216	0.101	3.00E-12	Oligo	KBTBD3
PFKP.5	2.07E-16	-0.3579	0.009	0.156	3.09E-12	Oligo	PFKP
FAM221A.9	2.14E-16	0.498245	0.311	0.173	3.20E-12	Oligo	FAM221A
KCTD7.3	2.16E-16	0.291809	0.148	0.055	3.22E-12	Oligo	KCTD7
LMNB1.8	2.16E-16	-0.40989	0.009	0.155	3.23E-12	Oligo	LMNB1
TSTD1.5	2.25E-16	-0.47112	0.038	0.203	3.37E-12	Oligo	TSTD1
GPC1.8	2.28E-16	-0.4986	0.071	0.243	3.41E-12	Oligo	GPC1
SLC43A3.3	2.35E-16	-0.45584	0.002	0.142	3.51E-12	Oligo	SLC43A3
CASP6.7	2.41E-16	-0.341	0.016	0.168	3.59E-12	Oligo	CASP6
B3GALNT1.2	2.45E-16	-0.38542	0.031	0.189	3.66E-12	Oligo	B3GALNT1
SLC23A2.2	2.46E-16	0.44316	0.216	0.103	3.68E-12	Oligo	SLC23A2
SSBP3.7	2.47E-16	0.522361	0.245	0.124	3.68E-12	Oligo	SSBP3
ATP6V1C1.2	2.54E-16	-0.41239	0.071	0.25	3.80E-12	Oligo	ATP6V1C1
OGFR.3	2.59E-16	-0.37088	0.101	0.294	3.87E-12	Oligo	OGFR
TMEM245.2	2.63E-16	0.350263	0.254	0.129	3.93E-12	Oligo	TMEM245
APOPT1.5	2.64E-16	-0.34907	0.179	0.389	3.95E-12	Oligo	APOPT1
PGD.6	2.68E-16	-0.36129	0.106	0.3	4.01E-12	Oligo	PGD
SRP72.4	2.71E-16	-0.40906	0.259	0.466	4.05E-12	Oligo	SRP72
AQP1.2	2.84E-16	0.195823	0.127	0.043	4.24E-12	Oligo	AQP1
GRAMD1A.6	2.90E-16	-0.33798	0.094	0.281	4.33E-12	Oligo	GRAMD1A
PDHA1.4	2.95E-16	-0.35188	0.115	0.31	4.41E-12	Oligo	PDHA1
NAA10.5	3.08E-16	-0.3777	0.216	0.433	4.60E-12	Oligo	NAA10

ABHD8. 4	3. 09E-16	-0. 32802	0. 007	0. 15	4. 62E-12 Oligo	ABHD8
LYSMD2. 5	3. 12E-16	-0. 34919	0. 038	0. 199	4. 66E-12 Oligo	LYSMD2
CA12. 9	3. 30E-16	-0. 40523	0. 002	0. 141	4. 94E-12 Oligo	CA12
UBAC2. 8	3. 32E-16	-0. 33195	0. 092	0. 278	4. 95E-12 Oligo	UBAC2
MTCH2. 3	3. 36E-16	-0. 40951	0. 219	0. 436	5. 03E-12 Oligo	MTCH2
DECR1. 4	3. 47E-16	-0. 42261	0. 205	0. 42	5. 19E-12 Oligo	DECR1
SCIN. 9	3. 51E-16	-0. 69579	0. 012	0. 156	5. 24E-12 Oligo	SCIN
OSER1. 4	3. 72E-16	-0. 37965	0. 118	0. 309	5. 55E-12 Oligo	OSER1
PLK3. 7	3. 75E-16	-0. 41701	0. 071	0. 247	5. 60E-12 Oligo	PLK3
ARF6. 8	3. 88E-16	-0. 38048	0. 148	0. 351	5. 80E-12 Oligo	ARF6
SH3BGRL3. 3	3. 91E-16	-0. 29445	0. 593	0. 784	5. 85E-12 Oligo	SH3BGRL3
HSP90AB1. 3	3. 93E-16	-0. 21991	0. 675	0. 826	5. 87E-12 Oligo	HSP90AB1
MAPRE1. 4	4. 01E-16	-0. 34259	0. 271	0. 485	5. 99E-12 Oligo	MAPRE1
TCP1. 5	4. 07E-16	-0. 30641	0. 308	0. 531	6. 08E-12 Oligo	TCP1
LRIG1. 8	4. 09E-16	0. 485624	0. 216	0. 104	6. 11E-12 Oligo	LRIG1
SLPI. 6	4. 11E-16	-1. 18414	0. 012	0. 155	6. 14E-12 Oligo	SLPI
PICK1. 4	4. 17E-16	0. 357523	0. 193	0. 084	6. 23E-12 Oligo	PICK1
FHL3. 4	4. 20E-16	-0. 37866	0. 016	0. 164	6. 28E-12 Oligo	FHL3
CYR61. 7	4. 25E-16	-0. 64391	0. 024	0. 173	6. 35E-12 Oligo	CYR61
ID3. 8	4. 29E-16	-0. 66683	0. 094	0. 271	6. 41E-12 Oligo	ID3
MYC. 5	4. 47E-16	-0. 5639	0. 024	0. 175	6. 69E-12 Oligo	MYC
BUD31. 7	4. 52E-16	-0. 23337	0. 416	0. 636	6. 76E-12 Oligo	BUD31
SHMT2. 6	4. 60E-16	-0. 39462	0. 064	0. 237	6. 87E-12 Oligo	SHMT2
SKIL. 7	4. 60E-16	-0. 46656	0. 108	0. 293	6. 87E-12 Oligo	SKIL
PLD4. 9	4. 63E-16	-0. 64697	0. 014	0. 159	6. 92E-12 Oligo	PLD4
DNTTIP2. 3	4. 63E-16	-0. 3931	0. 106	0. 294	6. 93E-12 Oligo	DNTTIP2
DDX19B. 1	5. 00E-16	-0. 34357	0. 045	0. 208	7. 48E-12 Oligo	DDX19B
RAP2B. 8	5. 01E-16	-0. 42045	0. 021	0. 17	7. 48E-12 Oligo	RAP2B
UBE2V2. 7	5. 17E-16	-0. 27962	0. 278	0. 503	7. 73E-12 Oligo	UBE2V2
SHFM1. 5	5. 47E-16	-0. 281	0. 515	0. 731	8. 18E-12 Oligo	SHFM1
AK4. 8	5. 59E-16	-0. 42534	0. 031	0. 185	8. 36E-12 Oligo	AK4
EXOSC7. 1	5. 61E-16	-0. 3554	0. 064	0. 235	8. 39E-12 Oligo	EXOSC7
SNAP25. 8	5. 66E-16	-0. 51153	0. 007	0. 148	8. 46E-12 Oligo	SNAP25
CITED1. 8	5. 84E-16	-0. 42806	0. 012	0. 156	8. 73E-12 Oligo	CITED1
BAALC. 8	6. 04E-16	-0. 40265	0. 155	0. 353	9. 03E-12 Oligo	BAALC
RIMKLB. 7	6. 37E-16	-0. 36448	0. 012	0. 156	9. 51E-12 Oligo	RIMKLB
SUCLG2. 6	6. 37E-16	-0. 49518	0. 078	0. 251	9. 52E-12 Oligo	SUCLG2
ENTPD6. 3	6. 50E-16	-0. 37009	0. 042	0. 204	9. 71E-12 Oligo	ENTPD6
BCL7B. 5	6. 60E-16	-0. 37323	0. 134	0. 329	9. 86E-12 Oligo	BCL7B
SALL1. 7	7. 42E-16	0. 55539	0. 249	0. 133	1. 11E-11 Oligo	SALL1
CIAPIN1. 5	7. 78E-16	-0. 32247	0. 082	0. 267	1. 16E-11 Oligo	CIAPIN1
NT5DC2. 6	8. 15E-16	-0. 34627	0. 021	0. 169	1. 22E-11 Oligo	NT5DC2
FLYWCH2. 4	8. 22E-16	-0. 35285	0. 125	0. 316	1. 23E-11 Oligo	FLYWCH2
ARL6IP6. 4	8. 24E-16	-0. 32712	0. 099	0. 288	1. 23E-11 Oligo	ARL6IP6
TOMM40. 7	8. 27E-16	-0. 3001	0. 136	0. 335	1. 24E-11 Oligo	TOMM40
POU3F3. 8	8. 28E-16	0. 434153	0. 273	0. 15	1. 24E-11 Oligo	POU3F3
WDR34. 6	8. 39E-16	-0. 35568	0. 047	0. 213	1. 25E-11 Oligo	WDR34
SCO2. 8	8. 62E-16	-0. 43684	0. 054	0. 217	1. 29E-11 Oligo	SCO2
ADM. 7	8. 73E-16	-0. 56549	0. 033	0. 191	1. 30E-11 Oligo	ADM
SMAD1. 6	8. 84E-16	-0. 35562	0. 028	0. 183	1. 32E-11 Oligo	SMAD1
COL4A2. 6	9. 06E-16	-0. 29812	0	0. 133	1. 35E-11 Oligo	COL4A2

CCNC. 1	9.13E-16	-0.41158	0.115	0.303	1.36E-11	Oligo	CCNC
NOL7. 2	9.14E-16	-0.40435	0.228	0.447	1.37E-11	Oligo	NOL7
PTPDC1. 1	9.27E-16	0.389115	0.115	0.039	1.38E-11	Oligo	PTPDC1
SEPHS2. 4	9.46E-16	-0.37476	0.125	0.32	1.41E-11	Oligo	SEPHS2
H2AFV. 7	9.48E-16	-0.4122	0.322	0.53	1.42E-11	Oligo	H2AFV
TUBB4B. 5	9.68E-16	-0.44668	0.301	0.499	1.45E-11	Oligo	TUBB4B
APOBEC3C. 1	1.00E-15	-0.4625	0	0.133	1.49E-11	Oligo	APOBEC3C
IL1RAP. 4	1.00E-15	-0.38427	0.019	0.165	1.50E-11	Oligo	IL1RAP
PAPSS1. 4	1.00E-15	0.502984	0.416	0.29	1.50E-11	Oligo	PAPSS1
MEAF6. 7	1.02E-15	-0.28153	0.256	0.485	1.52E-11	Oligo	MEAF6
BCL2A1. 9	1.03E-15	-0.6148	0.019	0.162	1.54E-11	Oligo	BCL2A1
RETSAT. 3	1.04E-15	0.52272	0.184	0.081	1.56E-11	Oligo	RETSAT
CD69. 6	1.06E-15	-0.72835	0.016	0.158	1.58E-11	Oligo	CD69
NT5C3A. 7	1.09E-15	-0.33135	0.111	0.301	1.64E-11	Oligo	NT5C3A
NDE1. 4	1.10E-15	0.469818	0.212	0.101	1.64E-11	Oligo	NDE1
TMEM31	1.11E-15	0.171073	0.035	0.005	1.65E-11	Oligo	TMEM31
LPCAT1. 4	1.17E-15	-0.39438	0.033	0.187	1.74E-11	Oligo	LPCAT1
ABHD2. 4	1.17E-15	-0.32299	0.064	0.235	1.75E-11	Oligo	ABHD2
GALNT13. 5	1.18E-15	0.235755	0.122	0.041	1.77E-11	Oligo	GALNT13
PTBP1. 6	1.20E-15	-0.34192	0.132	0.33	1.79E-11	Oligo	PTBP1
PIPOX. 8	1.22E-15	-0.31694	0.002	0.137	1.83E-11	Oligo	PIPOX
TRIP6. 8	1.23E-15	-0.46079	0.08	0.255	1.84E-11	Oligo	TRIP6
IMMT. 4	1.23E-15	-0.38552	0.118	0.309	1.84E-11	Oligo	IMMT
TMEM132A. 1	1.24E-15	-0.30066	0.009	0.15	1.85E-11	Oligo	TMEM132A
SRP19. 1	1.24E-15	-0.34192	0.2	0.412	1.85E-11	Oligo	SRP19
DESI2. 4	1.26E-15	-0.32436	0.04	0.2	1.89E-11	Oligo	DESI2
CFD. 8	1.26E-15	-0.62773	0.019	0.161	1.89E-11	Oligo	CFD
TUSC2. 5	1.29E-15	-0.38534	0.146	0.342	1.92E-11	Oligo	TUSC2
IFIT1. 5	1.31E-15	0.346388	0.172	0.07	1.95E-11	Oligo	IFIT1
GAS6. 8	1.32E-15	-0.49598	0.052	0.21	1.97E-11	Oligo	GAS6
KCNMA1. 7	1.33E-15	-0.45887	0.009	0.148	1.99E-11	Oligo	KCNMA1
DPM2. 2	1.34E-15	-0.35911	0.148	0.354	2.00E-11	Oligo	DPM2
RFC2. 4	1.36E-15	-0.45208	0.075	0.248	2.04E-11	Oligo	RFC2
PRTFDC1. 5	1.39E-15	0.57467	0.252	0.131	2.07E-11	Oligo	PRTFDC1
TMEM158. 8	1.40E-15	-0.34717	0.007	0.144	2.08E-11	Oligo	TMEM158
RHBDF2. 9	1.44E-15	-0.47698	0.028	0.183	2.15E-11	Oligo	RHBDF2
PGLS. 5	1.46E-15	-0.3768	0.315	0.518	2.18E-11	Oligo	PGLS
UQCRFS1. 5	1.46E-15	-0.34174	0.341	0.552	2.19E-11	Oligo	UQCRFS1
SLC40A1. 7	1.53E-15	-0.43237	0.007	0.144	2.29E-11	Oligo	SLC40A1
TPD52L2. 6	1.55E-15	-0.31365	0.136	0.331	2.32E-11	Oligo	TPD52L2
ERGIC1. 2	1.55E-15	-0.37728	0.108	0.296	2.32E-11	Oligo	ERGIC1
VOPPI. 4	1.57E-15	-0.40868	0.115	0.297	2.35E-11	Oligo	VOPPI
CSF3R. 8	1.59E-15	-0.61591	0.016	0.158	2.37E-11	Oligo	CSF3R
MBOAT7. 6	1.60E-15	-0.34139	0.075	0.249	2.40E-11	Oligo	MBOAT7
FLNB. 3	1.73E-15	0.27868	0.132	0.048	2.58E-11	Oligo	FLNB
CCDC34. 6	1.73E-15	-0.28827	0.024	0.173	2.59E-11	Oligo	CCDC34
FAM49A. 5	1.79E-15	-0.40874	0.026	0.176	2.67E-11	Oligo	FAM49A
MLF1. 6	1.80E-15	-0.40479	0.073	0.248	2.69E-11	Oligo	MLF1
PRKCB. 8	1.83E-15	0.263554	0.118	0.039	2.73E-11	Oligo	PRKCB
STOM. 8	1.84E-15	-0.54697	0.089	0.257	2.75E-11	Oligo	STOM
CDH2. 8	1.87E-15	-0.40635	0.111	0.291	2.80E-11	Oligo	CDH2

TRAPPC2L.	1. 91E-15	0. 488942	0. 529	0. 415	2. 86E-11	Oligo	TRAPPC2L
LHX2. 8	1. 93E-15	-0. 31938	0. 002	0. 135	2. 89E-11	Oligo	LHX2
ING2. 5	1. 96E-15	-0. 33736	0. 049	0. 212	2. 92E-11	Oligo	ING2
TTC3. 8	1. 98E-15	-0. 36886	0. 339	0. 523	2. 95E-11	Oligo	TTC3
RB1. 9	2. 00E-15	-0. 4951	0. 134	0. 311	2. 99E-11	Oligo	RB1
LRRC4C. 6	2. 00E-15	0. 502568	0. 2	0. 091	2. 99E-11	Oligo	LRRC4C
TPR. 5	2. 05E-15	-0. 28661	0. 198	0. 412	3. 07E-11	Oligo	TPR
MEX3D. 5	2. 08E-15	0. 320057	0. 148	0. 059	3. 12E-11	Oligo	MEX3D
COX17. 4	2. 13E-15	0. 419887	0. 609	0. 515	3. 18E-11	Oligo	COX17
NDUFA9. 4	2. 15E-15	-0. 33195	0. 186	0. 391	3. 22E-11	Oligo	NDUFA9
NOP16. 7	2. 16E-15	-0. 39496	0. 045	0. 205	3. 22E-11	Oligo	NOP16
POSTN. 8	2. 17E-15	-0. 44855	0. 002	0. 134	3. 25E-11	Oligo	POSTN
DNAJC4. 5	2. 17E-15	-0. 39484	0. 066	0. 234	3. 25E-11	Oligo	DNAJC4
TPM1. 7	2. 18E-15	-0. 38551	0. 082	0. 259	3. 26E-11	Oligo	TPM1
CEP57. 6	2. 24E-15	-0. 40953	0. 068	0. 236	3. 35E-11	Oligo	CEP57
MAGI2. 8	2. 28E-15	0. 383659	0. 214	0. 101	3. 41E-11	Oligo	MAGI2
SRA1. 6	2. 33E-15	-0. 41607	0. 205	0. 406	3. 48E-11	Oligo	SRA1
MAP2K3. 8	2. 39E-15	-0. 33726	0. 038	0. 195	3. 57E-11	Oligo	MAP2K3
RABAC1. 5	2. 41E-15	0. 403837	0. 734	0. 662	3. 60E-11	Oligo	RABAC1
AKAP12. 9	2. 46E-15	-0. 2987	0. 035	0. 193	3. 68E-11	Oligo	AKAP12
MYH10. 7	2. 51E-15	-0. 34968	0. 016	0. 158	3. 75E-11	Oligo	MYH10
SYNDIG1. 7	2. 56E-15	0. 435497	0. 193	0. 085	3. 82E-11	Oligo	SYNDIG1
SF3A3. 3	2. 68E-15	-0. 32299	0. 106	0. 292	4. 00E-11	Oligo	SF3A3
LTA4H. 7	2. 71E-15	-0. 39338	0. 066	0. 236	4. 05E-11	Oligo	LTA4H
ARSJ. 7	2. 74E-15	-0. 30791	0	0. 129	4. 09E-11	Oligo	ARSJ
WDR46. 2	2. 80E-15	-0. 35862	0. 071	0. 241	4. 18E-11	Oligo	WDR46
FUOM. 9	2. 81E-15	-0. 51643	0. 009	0. 146	4. 20E-11	Oligo	FUOM
SMIM7. 5	2. 81E-15	-0. 29078	0. 296	0. 513	4. 20E-11	Oligo	SMIM7
LRRC59. 5	2. 85E-15	-0. 31102	0. 165	0. 365	4. 25E-11	Oligo	LRRC59
UBE2J2. 7	2. 93E-15	-0. 34949	0. 146	0. 341	4. 38E-11	Oligo	UBE2J2
NDFIP1. 9	2. 94E-15	-0. 33158	0. 419	0. 608	4. 39E-11	Oligo	NDFIP1
FAM84A. 8	2. 97E-15	-0. 34172	0. 012	0. 149	4. 44E-11	Oligo	FAM84A
RFK. 6	3. 03E-15	-0. 33516	0. 071	0. 244	4. 53E-11	Oligo	RFK
COQ10B. 4	3. 05E-15	-0. 38912	0. 092	0. 269	4. 55E-11	Oligo	COQ10B
GPI. 6	3. 11E-15	-0. 44363	0. 169	0. 363	4. 65E-11	Oligo	GPI
PEA15. 5	3. 13E-15	0. 467293	0. 532	0. 44	4. 67E-11	Oligo	PEA15
CCL3. 9	3. 14E-15	-0. 68134	0. 268	0. 428	4. 70E-11	Oligo	CCL3
PHF14. 8	3. 16E-15	-0. 37594	0. 228	0. 43	4. 72E-11	Oligo	PHF14
WDR1. 6	3. 19E-15	-0. 33638	0. 216	0. 422	4. 76E-11	Oligo	WDR1
SPATA13. 5	3. 42E-15	0. 4442	0. 287	0. 16	5. 11E-11	Oligo	SPATA13
RNF7. 4	3. 43E-15	-0. 24873	0. 329	0. 54	5. 12E-11	Oligo	RNF7
DCAF13. 6	3. 43E-15	-0. 32768	0. 129	0. 325	5. 13E-11	Oligo	DCAF13
EDNRB. 6	3. 46E-15	-0. 44404	0. 04	0. 193	5. 17E-11	Oligo	EDNRB
SLC25A25. 3	3. 51E-15	-0. 37128	0. 026	0. 171	5. 25E-11	Oligo	SLC25A25
DLC1. 7	3. 54E-15	0. 374694	0. 184	0. 083	5. 29E-11	Oligo	DLC1
SMOX. 8	3. 54E-15	-0. 42249	0. 082	0. 253	5. 29E-11	Oligo	SMOX
ASB4	3. 62E-15	0. 132805	0. 014	0. 001	5. 40E-11	Oligo	ASB4
DTYMK. 8	3. 62E-15	-0. 33492	0. 144	0. 336	5. 41E-11	Oligo	DTYMK
WARS. 5	3. 64E-15	-0. 38245	0. 049	0. 207	5. 44E-11	Oligo	WARS
FLNC. 1	3. 83E-15	0. 20357	0. 085	0. 024	5. 73E-11	Oligo	FLNC
DCUN1D5. 4	4. 17E-15	-0. 32535	0. 106	0. 294	6. 23E-11	Oligo	DCUN1D5

NEU1.5	4.31E-15	-0.3583	0.113	0.299	6.45E-11	Oligo	NEU1
SEZ6L.8	4.32E-15	-0.40246	0.007	0.14	6.45E-11	Oligo	SEZ6L
MKKS.5	4.40E-15	-0.40122	0.212	0.411	6.57E-11	Oligo	MKKS
TIPRL.4	4.68E-15	-0.2187	0.092	0.272	6.99E-11	Oligo	TIPRL
NRP2.6	4.70E-15	-0.3794	0.061	0.227	7.03E-11	Oligo	NRP2
DCLK1.7	4.75E-15	-0.35026	0.016	0.156	7.11E-11	Oligo	DCLK1
GALNT11.6	4.77E-15	-0.38519	0.068	0.232	7.13E-11	Oligo	GALNT11
COQ9.6	4.81E-15	-0.32889	0.075	0.248	7.19E-11	Oligo	COQ9
BICD1.7	4.83E-15	-0.31521	0.052	0.21	7.21E-11	Oligo	BICD1
SNRPD2.5	4.85E-15	-0.23635	0.553	0.755	7.25E-11	Oligo	SNRPD2
JMJD6.5	4.91E-15	-0.33834	0.111	0.289	7.34E-11	Oligo	JMJD6
GBP1.5	5.13E-15	-0.57256	0.019	0.159	7.67E-11	Oligo	GBP1
NDUFA5.7	5.19E-15	-0.1805	0.36	0.585	7.76E-11	Oligo	NDUFA5
COQ2.8	5.22E-15	-0.39093	0.035	0.185	7.79E-11	Oligo	COQ2
BABAM1.3	5.23E-15	-0.22261	0.202	0.413	7.81E-11	Oligo	BABAM1
GGA2.9	5.26E-15	-0.41197	0.009	0.144	7.87E-11	Oligo	GGA2
DDX41.4	5.35E-15	-0.32434	0.075	0.249	8.00E-11	Oligo	DDX41
NEIL2.7	5.41E-15	-0.38002	0.047	0.204	8.09E-11	Oligo	NEIL2
VAMP1	5.49E-15	0.330301	0.096	0.03	8.20E-11	Oligo	VAMP1
MGAT2.3	5.58E-15	-0.30828	0.038	0.192	8.34E-11	Oligo	MGAT2
TGFB11.8	5.74E-15	-0.31228	0.002	0.131	8.58E-11	Oligo	TGFB11
C20orf96.	5.77E-15	-0.32823	0.016	0.155	8.62E-11	Oligo	C20orf96
PSMD12.4	5.94E-15	-0.3003	0.155	0.35	8.88E-11	Oligo	PSMD12
PIGM.2	5.97E-15	0.433249	0.184	0.081	8.92E-11	Oligo	PIGM
STXBP3.3	6.02E-15	0.472536	0.315	0.189	9.00E-11	Oligo	STXBP3
EIF4E3	6.16E-15	0.178501	0.075	0.02	9.21E-11	Oligo	EIF4E3
SSRP1.7	6.20E-15	-0.31606	0.169	0.362	9.26E-11	Oligo	SSRP1
RSRC2.3	6.32E-15	-0.29188	0.261	0.483	9.45E-11	Oligo	RSRC2
SPTAN1.7	6.37E-15	-0.31873	0.089	0.266	9.53E-11	Oligo	SPTAN1
ANGPTL2.6	6.55E-15	0.462778	0.205	0.096	9.79E-11	Oligo	ANGPTL2
LHFP.9	6.56E-15	-0.41745	0.071	0.238	9.81E-11	Oligo	LHFP
HID1.6	6.73E-15	0.356129	0.132	0.049	1.01E-10	Oligo	HID1
ACP2.5	6.75E-15	-0.40596	0.08	0.25	1.01E-10	Oligo	ACP2
GSN-AS1.1	6.84E-15	0.131435	0.042	0.007	1.02E-10	Oligo	GSN-AS1
STK4.6	6.91E-15	-0.40744	0.115	0.293	1.03E-10	Oligo	STK4
MAP1B.8	6.93E-15	0.303998	0.694	0.528	1.04E-10	Oligo	MAP1B
TAF6.5	6.97E-15	-0.30552	0.073	0.242	1.04E-10	Oligo	TAF6
RNFT1.4	7.08E-15	-0.3665	0.049	0.208	1.06E-10	Oligo	RNFT1
GARS.7	7.15E-15	-0.38303	0.12	0.3	1.07E-10	Oligo	GARS
AC093673.	7.22E-15	-0.36051	0.035	0.184	1.08E-10	Oligo	AC093673.5
TMEM97.6	7.25E-15	-0.29282	0.031	0.177	1.08E-10	Oligo	TMEM97
ISYNA1.5	7.27E-15	-0.33873	0.007	0.139	1.09E-10	Oligo	ISYNA1
AP3S1.4	7.46E-15	-0.31514	0.224	0.434	1.12E-10	Oligo	AP3S1
SLC35F1.6	7.47E-15	-0.26812	0.002	0.13	1.12E-10	Oligo	SLC35F1
MYO10.8	7.48E-15	0.471732	0.315	0.19	1.12E-10	Oligo	MYO10
CHPF.7	7.51E-15	-0.35542	0.092	0.265	1.12E-10	Oligo	CHPF
PSMD6.4	7.70E-15	-0.25026	0.16	0.357	1.15E-10	Oligo	PSMD6
DNAJB9.6	8.02E-15	-0.43133	0.2	0.392	1.20E-10	Oligo	DNAJB9
TSC22D1.8	8.06E-15	-0.22984	0.332	0.519	1.20E-10	Oligo	TSC22D1
FBXO7.4	8.15E-15	0.496015	0.431	0.305	1.22E-10	Oligo	FBXO7
STK17B.7	8.19E-15	-0.53743	0.007	0.138	1.22E-10	Oligo	STK17B

CRNDE. 4	8. 21E-15	-0. 34469	0. 035	0. 184	1. 23E-10	Oligo	CRNDE
ADO. 6	8. 25E-15	0. 417248	0. 233	0. 122	1. 23E-10	Oligo	ADO
C14orf119	8. 26E-15	-0. 31352	0. 132	0. 32	1. 23E-10	Oligo	C14orf119
PSMG1. 2	8. 50E-15	-0. 37211	0. 059	0. 222	1. 27E-10	Oligo	PSMG1
EIF2S3. 5	8. 52E-15	-0. 44245	0. 122	0. 301	1. 27E-10	Oligo	EIF2S3
NUDT22. 6	8. 59E-15	-0. 27638	0. 096	0. 276	1. 28E-10	Oligo	NUDT22
PSMB8. 6	9. 10E-15	-0. 46995	0. 224	0. 422	1. 36E-10	Oligo	PSMB8
C12orf76.	9. 33E-15	0. 64381	0. 386	0. 262	1. 39E-10	Oligo	C12orf76
SLC1A3. 8	9. 39E-15	-0. 44927	0. 313	0. 483	1. 40E-10	Oligo	SLC1A3
RGS17. 7	9. 49E-15	-0. 32033	0. 024	0. 167	1. 42E-10	Oligo	RGS17
MMADHC. 1	9. 59E-15	-0. 24489	0. 231	0. 443	1. 43E-10	Oligo	MMADHC
TPRKB. 5	9. 92E-15	-0. 30288	0. 167	0. 371	1. 48E-10	Oligo	TPRKB
HNRNPAB. 8	1. 00E-14	-0. 37312	0. 209	0. 404	1. 50E-10	Oligo	HNRNPAB
PFN1. 8	1. 00E-14	-0. 24745	0. 668	0. 814	1. 50E-10	Oligo	PFN1
KLF2. 5	1. 03E-14	-0. 54925	0. 007	0. 136	1. 55E-10	Oligo	KLF2
POU2F2. 7	1. 07E-14	-0. 48508	0. 009	0. 14	1. 59E-10	Oligo	POU2F2
IL10RA. 9	1. 07E-14	-0. 55256	0. 012	0. 143	1. 60E-10	Oligo	IL10RA
CCDC28B. 8	1. 10E-14	-0. 28267	0. 061	0. 225	1. 65E-10	Oligo	CCDC28B
MAPKAPK3.	1. 11E-14	-0. 39048	0. 031	0. 176	1. 66E-10	Oligo	MAPKAPK3
CH25H. 5	1. 17E-14	-0. 72673	0. 016	0. 152	1. 75E-10	Oligo	CH25H
COL18A1. 3	1. 20E-14	0. 297983	0. 132	0. 05	1. 79E-10	Oligo	COL18A1
PYCR1. 5	1. 20E-14	-0. 32644	0. 04	0. 19	1. 80E-10	Oligo	PYCR1
CCDC85B. 3	1. 21E-14	-0. 39659	0. 228	0. 421	1. 81E-10	Oligo	CCDC85B
ASCL1. 8	1. 23E-14	-0. 47265	0. 042	0. 191	1. 84E-10	Oligo	ASCL1
COLGALT1.	1. 23E-14	-0. 36961	0. 045	0. 197	1. 85E-10	Oligo	COLGALT1
FAM129A. 5	1. 29E-14	-0. 34326	0. 012	0. 145	1. 93E-10	Oligo	FAM129A
SLC1A2. 7	1. 32E-14	-0. 38345	0. 009	0. 14	1. 97E-10	Oligo	SLC1A2
SMARCD3. 8	1. 32E-14	-0. 34851	0. 073	0. 237	1. 97E-10	Oligo	SMARCD3
FAM89B. 8	1. 32E-14	-0. 3226	0. 082	0. 253	1. 98E-10	Oligo	FAM89B
CTSZ. 9	1. 33E-14	-0. 63196	0. 108	0. 262	1. 99E-10	Oligo	CTSZ
NONO. 8	1. 34E-14	-0. 36579	0. 261	0. 462	2. 01E-10	Oligo	NONO
ADAM28. 8	1. 34E-14	-0. 60694	0. 014	0. 146	2. 01E-10	Oligo	ADAM28
TLE1. 7	1. 35E-14	-0. 33098	0. 031	0. 175	2. 01E-10	Oligo	TLE1
KANSL1-AS	1. 38E-14	-0. 3666	0. 045	0. 199	2. 07E-10	Oligo	KANSL1-AS1
SLC25A39.	1. 39E-14	-0. 39682	0. 216	0. 412	2. 07E-10	Oligo	SLC25A39
OSM. 8	1. 39E-14	-0. 62285	0. 016	0. 15	2. 08E-10	Oligo	OSM
GNPDA1. 3	1. 42E-14	-0. 30574	0. 075	0. 246	2. 13E-10	Oligo	GNPDA1
KCNF1. 9	1. 44E-14	-0. 32845	0. 002	0. 128	2. 15E-10	Oligo	KCNF1
GNG2. 5	1. 45E-14	-0. 43162	0. 038	0. 184	2. 17E-10	Oligo	GNG2
UBL3. 8	1. 45E-14	0. 39282	0. 461	0. 35	2. 17E-10	Oligo	UBL3
TRIM22. 7	1. 46E-14	-0. 46594	0. 009	0. 139	2. 18E-10	Oligo	TRIM22
TTC19. 7	1. 48E-14	-0. 2771	0. 162	0. 363	2. 21E-10	Oligo	TTC19
CKAP2. 8	1. 54E-14	-0. 38175	0. 031	0. 174	2. 31E-10	Oligo	CKAP2
ALG3. 3	1. 55E-14	-0. 37709	0. 073	0. 238	2. 31E-10	Oligo	ALG3
IFI44L. 5	1. 58E-14	-0. 58705	0. 014	0. 146	2. 37E-10	Oligo	IFI44L
S100A13. 7	1. 59E-14	0. 515899	0. 424	0. 291	2. 37E-10	Oligo	S100A13
AQP4. 8	1. 61E-14	-0. 57892	0. 031	0. 171	2. 41E-10	Oligo	AQP4
TBC1D10B.	1. 63E-14	0. 401794	0. 2	0. 096	2. 43E-10	Oligo	TBC1D10B
TMEM173. 9	1. 69E-14	-0. 5438	0. 005	0. 131	2. 52E-10	Oligo	TMEM173
ISCA2. 4	1. 72E-14	-0. 31352	0. 108	0. 288	2. 57E-10	Oligo	ISCA2
KRR1. 1	1. 72E-14	-0. 27203	0. 071	0. 238	2. 57E-10	Oligo	KRR1

XRCC5. 8	1. 74E-14	-0. 23067	0. 353	0. 568	2. 60E-10 Oligo	XRCC5
FRRS1L. 1	1. 76E-14	0. 233989	0. 082	0. 023	2. 63E-10 Oligo	FRRS1L
STARD4-AS	1. 77E-14	-0. 31125	0. 005	0. 132	2. 65E-10 Oligo	STARD4-AS1
DUSP11. 1	1. 79E-14	-0. 3196	0. 04	0. 188	2. 67E-10 Oligo	DUSP11
CHCHD7. 8	1. 81E-14	-0. 47116	0. 122	0. 292	2. 70E-10 Oligo	CHCHD7
CCNL1. 3	1. 82E-14	-0. 30099	0. 32	0. 532	2. 72E-10 Oligo	CCNL1
ARL4D. 9	1. 83E-14	-0. 38821	0. 031	0. 174	2. 74E-10 Oligo	ARL4D
CDC26. 4	1. 87E-14	-0. 31118	0. 092	0. 269	2. 79E-10 Oligo	CDC26
ZBED3. 6	1. 93E-14	0. 393271	0. 184	0. 085	2. 88E-10 Oligo	ZBED3
TFRC. 7	1. 94E-14	-0. 44715	0. 059	0. 215	2. 90E-10 Oligo	TFRC
HS2ST1. 8	1. 97E-14	-0. 27538	0. 033	0. 18	2. 95E-10 Oligo	HS2ST1
PPP2R1B. 1	2. 02E-14	0. 327078	0. 158	0. 066	3. 02E-10 Oligo	PPP2R1B
SEC61A1. 4	2. 03E-14	-0. 35538	0. 181	0. 372	3. 03E-10 Oligo	SEC61A1
APCDD1. 2	2. 05E-14	0. 359959	0. 101	0. 033	3. 06E-10 Oligo	APCDD1
LRRC4B. 9	2. 08E-14	0. 412311	0. 24	0. 129	3. 10E-10 Oligo	LRRC4B
ENOSF1. 6	2. 09E-14	0. 519072	0. 228	0. 121	3. 13E-10 Oligo	ENOSF1
NIFK. 5	2. 19E-14	-0. 31178	0. 162	0. 355	3. 27E-10 Oligo	NIFK
EDEM2. 4	2. 23E-14	-0. 3274	0. 078	0. 246	3. 33E-10 Oligo	EDEM2
SCRG1. 8	2. 24E-14	0. 369298	0. 489	0. 341	3. 35E-10 Oligo	SCRG1
BLOC1S1. 5	2. 25E-14	0. 388074	0. 694	0. 646	3. 37E-10 Oligo	BLOC1S1
DNAJC12. 2	2. 27E-14	0. 48084	0. 176	0. 078	3. 40E-10 Oligo	DNAJC12
DUSP14. 7	2. 29E-14	-0. 36615	0. 038	0. 185	3. 42E-10 Oligo	DUSP14
NOP58. 6	2. 36E-14	-0. 38399	0. 122	0. 298	3. 52E-10 Oligo	NOP58
TOB2. 4	2. 36E-14	0. 501651	0. 318	0. 193	3. 53E-10 Oligo	TOB2
MCFD2. 2	2. 36E-14	-0. 31363	0. 111	0. 293	3. 53E-10 Oligo	MCFD2
NGFRAP1. 8	2. 44E-14	0. 289037	0. 786	0. 639	3. 64E-10 Oligo	NGFRAP1
NAB2. 2	2. 50E-14	-0. 31954	0. 014	0. 146	3. 73E-10 Oligo	NAB2
RALGAPA1. 2	2. 59E-14	0. 412251	0. 24	0. 126	3. 88E-10 Oligo	RALGAPA1
ABHD14B. 6	2. 62E-14	-0. 38697	0. 038	0. 184	3. 91E-10 Oligo	ABHD14B
KLHL23. 9	2. 63E-14	-0. 31949	0. 026	0. 166	3. 93E-10 Oligo	KLHL23
SMYD2. 3	2. 68E-14	-0. 33079	0. 014	0. 146	4. 01E-10 Oligo	SMYD2
SIRT6. 3	2. 72E-14	-0. 26796	0. 047	0. 201	4. 06E-10 Oligo	SIRT6
SDHD. 6	2. 84E-14	-0. 33321	0. 202	0. 403	4. 25E-10 Oligo	SDHD
ATRAID. 3	2. 92E-14	-0. 22702	0. 412	0. 619	4. 37E-10 Oligo	ATRAID
BRE. 2	2. 97E-14	-0. 35073	0. 071	0. 232	4. 43E-10 Oligo	BRE
ACP1. 4	3. 07E-14	-0. 20098	0. 287	0. 506	4. 59E-10 Oligo	ACP1
SAP18. 2	3. 12E-14	-0. 16579	0. 56	0. 774	4. 67E-10 Oligo	SAP18
APOO. 7	3. 15E-14	-0. 34646	0. 073	0. 235	4. 71E-10 Oligo	APOO
HOOK2. 7	3. 25E-14	-0. 29633	0. 073	0. 24	4. 86E-10 Oligo	HOOK2
CD63. 8	3. 31E-14	-0. 19157	0. 812	0. 929	4. 95E-10 Oligo	CD63
RP11-390F	3. 33E-14	-0. 31551	0. 009	0. 137	4. 97E-10 Oligo	RP11-390P2. 4
RAB5C. 5	3. 40E-14	-0. 18772	0. 44	0. 661	5. 08E-10 Oligo	RAB5C
SLC30A5. 5	3. 41E-14	-0. 31548	0. 054	0. 21	5. 10E-10 Oligo	SLC30A5
SNX10. 5	3. 42E-14	-0. 35784	0. 075	0. 234	5. 11E-10 Oligo	SNX10
KLHL7. 7	3. 47E-14	-0. 30609	0. 108	0. 286	5. 18E-10 Oligo	KLHL7
ITGA7. 7	3. 57E-14	-0. 27711	0. 012	0. 141	5. 33E-10 Oligo	ITGA7
ARMCX1. 8	3. 61E-14	-0. 43045	0. 064	0. 219	5. 39E-10 Oligo	ARMCX1
CDC123. 5	3. 61E-14	-0. 27218	0. 153	0. 343	5. 39E-10 Oligo	CDC123
OAS1. 6	3. 63E-14	-0. 55061	0. 009	0. 137	5. 42E-10 Oligo	OAS1
NR4A3. 8	3. 73E-14	-0. 59051	0. 024	0. 156	5. 57E-10 Oligo	NR4A3
SP3. 6	3. 73E-14	-0. 36848	0. 061	0. 216	5. 58E-10 Oligo	SP3



GADD45GIF	3.75E-14	-0.33133	0.402	0.569	5.61E-10	Oligo	GADD45GIP1
TRIM36.9	3.77E-14	-0.37353	0.042	0.187	5.63E-10	Oligo	TRIM36
TSPAN6.7	3.80E-14	-0.24834	0.019	0.154	5.67E-10	Oligo	TSPAN6
SSR3.8	3.85E-14	-0.39286	0.336	0.533	5.75E-10	Oligo	SSR3
SHISA5.2	3.86E-14	-0.33745	0.146	0.331	5.76E-10	Oligo	SHISA5
ERH.5	3.88E-14	-0.14137	0.518	0.721	5.80E-10	Oligo	ERH
CPSF6.6	3.90E-14	-0.37489	0.155	0.336	5.83E-10	Oligo	CPSF6
RBMX2.3	3.92E-14	-0.26924	0.078	0.241	5.86E-10	Oligo	RBMX2
ITPR2.7	3.95E-14	-0.36681	0.009	0.136	5.91E-10	Oligo	ITPR2
GUSB.7	3.98E-14	-0.39551	0.106	0.278	5.94E-10	Oligo	GUSB
ALOX5.9	4.02E-14	-0.53314	0.014	0.143	6.01E-10	Oligo	ALOX5
CTSL.9	4.11E-14	-0.36001	0.334	0.531	6.15E-10	Oligo	CTSL
AKR1A1.7	4.19E-14	-0.32818	0.301	0.505	6.26E-10	Oligo	AKR1A1
TRAF7.5	4.28E-14	-0.24107	0.045	0.195	6.40E-10	Oligo	TRAF7
TMEM51.8	4.28E-14	-0.36684	0.002	0.123	6.40E-10	Oligo	TMEM51
SAA1.6	4.30E-14	-1.25418	0.002	0.123	6.42E-10	Oligo	SAA1
DIRAS3.8	4.39E-14	-0.56816	0.005	0.128	6.56E-10	Oligo	DIRAS3
SRRM1.4	4.44E-14	-0.31452	0.315	0.525	6.64E-10	Oligo	SRRM1
DSE.9	4.44E-14	-0.48366	0.014	0.142	6.64E-10	Oligo	DSE
SSR4.4	4.51E-14	-0.25734	0.591	0.769	6.74E-10	Oligo	SSR4
TACC1.6	4.54E-14	0.505363	0.428	0.309	6.79E-10	Oligo	TACC1
SPOCK2.7	4.56E-14	-0.37425	0.014	0.144	6.81E-10	Oligo	SPOCK2
RNF166.6	4.67E-14	-0.41118	0.045	0.19	6.98E-10	Oligo	RNF166
UBE2N.6	4.74E-14	-0.2392	0.318	0.529	7.08E-10	Oligo	UBE2N
CHIC2.4	4.75E-14	-0.36955	0.085	0.25	7.10E-10	Oligo	CHIC2
UBA2.6	4.77E-14	-0.28516	0.172	0.365	7.13E-10	Oligo	UBA2
AIMP2.5	4.80E-14	-0.33814	0.082	0.246	7.17E-10	Oligo	AIMP2
HAMP.9	4.84E-14	-0.72257	0.031	0.166	7.23E-10	Oligo	HAMP
ZNF24.7	5.02E-14	0.479615	0.414	0.296	7.51E-10	Oligo	ZNF24
SEPT10.3	5.05E-14	0.377812	0.221	0.113	7.54E-10	Oligo	10-Sep
C16orf87.5	5.05E-14	-0.28664	0.054	0.21	7.54E-10	Oligo	C16orf87
PHB2.2	5.06E-14	-0.32221	0.24	0.45	7.56E-10	Oligo	PHB2
MIS18BP1.5	5.06E-14	-0.42134	0.019	0.151	7.56E-10	Oligo	MIS18BP1
ALG5.2	5.10E-14	-0.29537	0.176	0.373	7.62E-10	Oligo	ALG5
SNRPE.7	5.16E-14	-0.27594	0.386	0.587	7.71E-10	Oligo	SNRPE
IFT52.6	5.16E-14	-0.26576	0.092	0.262	7.71E-10	Oligo	IFT52
CALR.5	5.19E-14	-0.26238	0.525	0.698	7.75E-10	Oligo	CALR
NAE1.6	5.20E-14	-0.27066	0.155	0.347	7.77E-10	Oligo	NAE1
HEBP2.5	5.22E-14	-0.31408	0.066	0.224	7.80E-10	Oligo	HEBP2
TAF7.8	5.26E-14	-0.31869	0.353	0.561	7.87E-10	Oligo	TAF7
NRBF2.4	5.34E-14	-0.31692	0.106	0.278	7.98E-10	Oligo	NRBF2
SUPT4H1.3	5.38E-14	-0.2522	0.292	0.502	8.04E-10	Oligo	SUPT4H1
SCPEP1.8	5.44E-14	-0.48547	0.179	0.353	8.12E-10	Oligo	SCPEP1
ANK2.9	5.52E-14	0.454552	0.273	0.16	8.25E-10	Oligo	ANK2
CALU.7	5.53E-14	-0.41506	0.221	0.41	8.26E-10	Oligo	CALU
ABI1.9	5.72E-14	-0.43427	0.085	0.246	8.55E-10	Oligo	ABI1
CSTF3.6	5.72E-14	-0.31799	0.101	0.273	8.55E-10	Oligo	CSTF3
ZC3H7B.2	5.74E-14	0.350418	0.207	0.102	8.58E-10	Oligo	ZC3H7B
SMAP1.4	5.88E-14	-0.34607	0.125	0.304	8.78E-10	Oligo	SMAP1
RAB11B-AS	5.89E-14	0.498032	0.235	0.128	8.81E-10	Oligo	RAB11B-AS1
DIAPH1.6	5.90E-14	-0.30187	0.014	0.143	8.82E-10	Oligo	DIAPH1

GSTA4. 8	5. 92E-14	-0. 34884	0. 12	0. 296	8. 85E-10	Oligo	GSTA4
RSPRY1. 7	5. 94E-14	-0. 32275	0. 087	0. 254	8. 88E-10	Oligo	RSPRY1
H1FX. 8	5. 98E-14	-0. 34623	0. 2	0. 392	8. 94E-10	Oligo	H1FX
SERPINB9. 6	6. 04E-14	-0. 55378	0. 021	0. 151	9. 03E-10	Oligo	SERPINB9
NTAN1. 6	6. 07E-14	-0. 35848	0. 054	0. 205	9. 07E-10	Oligo	NTAN1
SNN. 9	6. 17E-14	-0. 35454	0. 075	0. 231	9. 22E-10	Oligo	SNN
GABARAP. 6	6. 31E-14	0. 304888	0. 595	0. 456	9. 43E-10	Oligo	GABARAP
ABCF2. 6	6. 37E-14	-0. 32487	0. 066	0. 221	9. 51E-10	Oligo	ABCF2
BEST1. 6	6. 47E-14	0. 376748	0. 416	0. 27	9. 66E-10	Oligo	BEST1
PLEKHA4. 8	6. 49E-14	-0. 2615	0. 007	0. 131	9. 70E-10	Oligo	PLEKHA4
CAMK2B. 8	6. 53E-14	-0. 32644	0	0. 118	9. 76E-10	Oligo	CAMK2B
RANBP1. 8	6. 57E-14	-0. 3394	0. 4	0. 584	9. 82E-10	Oligo	RANBP1
PGM2. 5	6. 62E-14	-0. 41778	0. 021	0. 153	9. 90E-10	Oligo	PGM2
DRAXIN. 8	6. 75E-14	-0. 26252	0. 021	0. 157	1. 01E-09	Oligo	DRAXIN
C21orf62. 6	6. 78E-14	-0. 37282	0. 026	0. 163	1. 01E-09	Oligo	C21orf62
ZBTB47	6. 80E-14	0. 228234	0. 101	0. 034	1. 02E-09	Oligo	ZBTB47
EMC2. 2	6. 82E-14	0. 485708	0. 344	0. 218	1. 02E-09	Oligo	EMC2
ABR. 5	7. 03E-14	-0. 36855	0. 019	0. 15	1. 05E-09	Oligo	ABR
BMI1. 5	7. 15E-14	0. 444283	0. 245	0. 135	1. 07E-09	Oligo	BMI1
NBR1. 2	7. 15E-14	0. 416075	0. 306	0. 185	1. 07E-09	Oligo	NBR1
CSTA. 9	7. 27E-14	-0. 51352	0. 009	0. 133	1. 09E-09	Oligo	CSTA
MPG. 3	7. 48E-14	-0. 32021	0. 16	0. 352	1. 12E-09	Oligo	MPG
PFKM. 5	7. 61E-14	-0. 33232	0. 042	0. 189	1. 14E-09	Oligo	PFKM
PNMA2. 8	7. 65E-14	-0. 31015	0. 014	0. 144	1. 14E-09	Oligo	PNMA2
CCSER2. 5	7. 67E-14	0. 436368	0. 346	0. 224	1. 15E-09	Oligo	CCSER2
PTAFR. 9	7. 76E-14	-0. 514	0. 007	0. 13	1. 16E-09	Oligo	PTAFR
SERGEF. 4	7. 87E-14	-0. 31094	0. 033	0. 173	1. 18E-09	Oligo	SERGEF
MTFR1L. 6	7. 99E-14	-0. 33762	0. 122	0. 297	1. 19E-09	Oligo	MTFR1L
MZT2B. 5	8. 15E-14	-0. 31857	0. 421	0. 599	1. 22E-09	Oligo	MZT2B
UBE2Q2. 4	8. 23E-14	-0. 27522	0. 056	0. 211	1. 23E-09	Oligo	UBE2Q2
CNOT7. 6	8. 23E-14	-0. 30484	0. 181	0. 375	1. 23E-09	Oligo	CNOT7
TIMP3. 7	8. 40E-14	-0. 35756	0. 007	0. 13	1. 26E-09	Oligo	TIMP3
MERTK. 8	8. 72E-14	-0. 48467	0. 007	0. 129	1. 30E-09	Oligo	MERTK
SLC25A19. 8	8. 88E-14	-0. 46701	0. 035	0. 174	1. 33E-09	Oligo	SLC25A19
SLC39A10. 8	8. 97E-14	-0. 31325	0. 026	0. 162	1. 34E-09	Oligo	SLC39A10
PPP1R3E. 1	9. 08E-14	0. 472651	0. 155	0. 065	1. 36E-09	Oligo	PPP1R3E
PSMD13. 4	9. 33E-14	-0. 23534	0. 214	0. 421	1. 39E-09	Oligo	PSMD13
NKAIN3. 8	9. 34E-14	-0. 30853	0. 007	0. 129	1. 40E-09	Oligo	NKAIN3
NBPF10. 4	9. 45E-14	-0. 2806	0. 019	0. 15	1. 41E-09	Oligo	NBPF10
ATP5B. 5	9. 53E-14	-0. 21921	0. 614	0. 782	1. 42E-09	Oligo	ATP5B
GPC2. 9	9. 58E-14	-0. 48331	0. 038	0. 173	1. 43E-09	Oligo	GPC2
TCTN1. 7	9. 71E-14	-0. 33803	0. 064	0. 217	1. 45E-09	Oligo	TCTN1
FAM63B. 4	9. 75E-14	0. 498224	0. 315	0. 2	1. 46E-09	Oligo	FAM63B
POLDIP2. 8	9. 76E-14	-0. 30675	0. 165	0. 354	1. 46E-09	Oligo	POLDIP2
ANAPC16. 7	1. 04E-13	-0. 23051	0. 315	0. 533	1. 55E-09	Oligo	ANAPC16
NIPA2. 5	1. 05E-13	-0. 2965	0. 099	0. 271	1. 56E-09	Oligo	NIPA2
TCEA1. 4	1. 08E-13	-0. 3354	0. 294	0. 491	1. 61E-09	Oligo	TCEA1
CDC42EP3. 1	1. 12E-13	-0. 36071	0. 007	0. 129	1. 68E-09	Oligo	CDC42EP3
SQSTM1. 5	1. 13E-13	0. 318609	0. 6	0. 521	1. 68E-09	Oligo	SQSTM1
CHD9. 4	1. 14E-13	-0. 32963	0. 275	0. 474	1. 70E-09	Oligo	CHD9
SYNM. 7	1. 18E-13	0. 38612	0. 155	0. 068	1. 77E-09	Oligo	SYNM

CHMP3.2	1.20E-13	-0.30366	0.188	0.386	1.79E-09	Oligo	CHMP3
NXPH1.9	1.20E-13	-0.3412	0.014	0.14	1.80E-09	Oligo	NXPH1
DCK.6	1.21E-13	-0.37409	0.106	0.272	1.80E-09	Oligo	DCK
PAICS.8	1.22E-13	-0.36741	0.136	0.315	1.82E-09	Oligo	PAICS
SRPRB.4	1.26E-13	-0.33508	0.094	0.261	1.88E-09	Oligo	SRPRB
PXDC1.4	1.28E-13	-0.29828	0.024	0.157	1.91E-09	Oligo	PXDC1
KIAA0368	1.28E-13	0.348628	0.169	0.076	1.91E-09	Oligo	KIAA0368
OSTM1.4	1.31E-13	-0.30816	0.075	0.234	1.96E-09	Oligo	OSTM1
PMEPA1.8	1.32E-13	-0.33002	0.059	0.206	1.97E-09	Oligo	PMEPA1
OPTN.7	1.32E-13	0.375719	0.242	0.131	1.98E-09	Oligo	OPTN
GK.8	1.33E-13	-0.44932	0.016	0.143	1.98E-09	Oligo	GK
ZFP36L2.8	1.33E-13	-0.41486	0.353	0.522	1.98E-09	Oligo	ZFP36L2
PDGFC.5	1.34E-13	-0.26268	0.005	0.124	2.01E-09	Oligo	PDGFC
MLC1.8	1.35E-13	-0.30322	0.021	0.153	2.01E-09	Oligo	MLC1
ST3GAL5.4	1.36E-13	0.45182	0.311	0.186	2.04E-09	Oligo	ST3GAL5
RNPEP.9	1.39E-13	-0.34289	0.073	0.23	2.08E-09	Oligo	RNPEP
EVA1B.4	1.40E-13	-0.24952	0.007	0.127	2.09E-09	Oligo	EVA1B
TNFRSF14.1	1.45E-13	-0.44994	0.002	0.119	2.17E-09	Oligo	TNFRSF14
TMEM203.7	1.45E-13	-0.30131	0.092	0.258	2.17E-09	Oligo	TMEM203
PTX3.8	1.47E-13	-0.34494	0.002	0.119	2.19E-09	Oligo	PTX3
COL4A1.6	1.47E-13	-0.2443	0	0.115	2.20E-09	Oligo	COL4A1
PSMG3.8	1.49E-13	-0.30513	0.151	0.334	2.23E-09	Oligo	PSMG3
EFHC1.8	1.49E-13	-0.35098	0.059	0.211	2.23E-09	Oligo	EFHC1
ZNF385D.6	1.51E-13	-0.28213	0	0.115	2.25E-09	Oligo	ZNF385D
CHN1.8	1.56E-13	-0.25661	0.064	0.222	2.34E-09	Oligo	CHN1
KCMF1.5	1.62E-13	-0.29069	0.049	0.196	2.41E-09	Oligo	KCMF1
CDCA7.8	1.62E-13	-0.38089	0.007	0.127	2.43E-09	Oligo	CDCA7
FABP5.7	1.63E-13	-0.7818	0.24	0.398	2.44E-09	Oligo	FABP5
CERS6.6	1.64E-13	-0.31075	0.009	0.131	2.45E-09	Oligo	CERS6
NUDT3.7	1.66E-13	-0.24781	0.205	0.407	2.48E-09	Oligo	NUDT3
NUDT11.7	1.66E-13	-0.35083	0.009	0.131	2.49E-09	Oligo	NUDT11
PMPCB.4	1.68E-13	-0.33986	0.167	0.35	2.51E-09	Oligo	PMPCB
ADPGK.9	1.74E-13	-0.34547	0.101	0.267	2.60E-09	Oligo	ADPGK
CCDC59	1.75E-13	-0.12521	0.132	0.32	2.62E-09	Oligo	CCDC59
NCKAP1L.9	1.78E-13	-0.48015	0.007	0.126	2.66E-09	Oligo	NCKAP1L
CLDN12.9	1.79E-13	-0.33237	0.016	0.143	2.68E-09	Oligo	CLDN12
AKAP7.7	1.81E-13	-0.3163	0.052	0.2	2.70E-09	Oligo	AKAP7
DALRD3.5	1.83E-13	-0.30005	0.033	0.17	2.74E-09	Oligo	DALRD3
WASF1.6	1.84E-13	0.351184	0.191	0.091	2.74E-09	Oligo	WASF1
AP1B1.9	1.86E-13	-0.48654	0.108	0.264	2.78E-09	Oligo	AP1B1
GPR65.9	1.86E-13	-0.51959	0.014	0.138	2.78E-09	Oligo	GPR65
TRMT1.6	1.88E-13	-0.3307	0.099	0.263	2.80E-09	Oligo	TRMT1
STOML2.4	1.90E-13	-0.20801	0.226	0.428	2.85E-09	Oligo	STOML2
AGPAT3.4	1.91E-13	0.526284	0.233	0.126	2.86E-09	Oligo	AGPAT3
LINC00685	1.98E-13	0.476784	0.256	0.145	2.96E-09	Oligo	LINC00685
BRSK2.4	2.00E-13	0.246176	0.106	0.037	2.99E-09	Oligo	BRSK2
DOCK8.9	2.02E-13	-0.49975	0.007	0.125	3.01E-09	Oligo	DOCK8
ZDHHC2.3	2.02E-13	0.349556	0.146	0.061	3.02E-09	Oligo	ZDHHC2
SPRY2.8	2.04E-13	-0.29747	0.068	0.224	3.04E-09	Oligo	SPRY2
PDK4.8	2.05E-13	0.231	0.313	0.164	3.06E-09	Oligo	PDK4
TMX4.6	2.07E-13	-0.30859	0.087	0.252	3.09E-09	Oligo	TMX4

HSPA8.5	2.08E-13	-0.17061	0.72	0.871	3.11E-09	Oligo	HSPA8
UTP11L.4	2.09E-13	-0.27622	0.122	0.297	3.12E-09	Oligo	UTP11L
MEIS3.7	2.09E-13	-0.29915	0.012	0.134	3.12E-09	Oligo	MEIS3
LCP1.8	2.09E-13	-0.54582	0.021	0.147	3.13E-09	Oligo	LCP1
SCAND1.6	2.10E-13	-0.32449	0.393	0.577	3.14E-09	Oligo	SCAND1
CAMK2D.6	2.11E-13	-0.27921	0.087	0.249	3.15E-09	Oligo	CAMK2D
AHNAK.4	2.13E-13	-0.36348	0.005	0.122	3.18E-09	Oligo	AHNAK
KCTD2.1	2.15E-13	0.288391	0.146	0.061	3.21E-09	Oligo	KCTD2
PRKAG2.6	2.17E-13	-0.45017	0.016	0.142	3.24E-09	Oligo	PRKAG2
GAD1.9	2.19E-13	-0.31574	0.002	0.117	3.28E-09	Oligo	GAD1
CENPH.6	2.21E-13	-0.31305	0.009	0.131	3.30E-09	Oligo	CENPH
SMCO4.9	2.21E-13	-0.46068	0.014	0.137	3.31E-09	Oligo	SMCO4
ENY2.4	2.22E-13	-0.24735	0.395	0.612	3.32E-09	Oligo	ENY2
FIP1L1.5	2.23E-13	-0.32881	0.127	0.303	3.33E-09	Oligo	FIP1L1
OBSL1.7	2.24E-13	-0.3045	0.021	0.151	3.35E-09	Oligo	OBSL1
DCAF6.5	2.25E-13	-0.35446	0.035	0.171	3.36E-09	Oligo	DCAF6
IMPDH1.6	2.25E-13	-0.30824	0.028	0.162	3.36E-09	Oligo	IMPDH1
UBE4B.2	2.28E-13	0.377056	0.193	0.093	3.41E-09	Oligo	UBE4B
NUP62.5	2.29E-13	-0.36938	0.085	0.243	3.42E-09	Oligo	NUP62
ORAI3.7	2.36E-13	-0.33857	0.019	0.146	3.52E-09	Oligo	ORAI3
USB1.5	2.37E-13	-0.33763	0.078	0.235	3.54E-09	Oligo	USB1
RBM47.9	2.46E-13	-0.38236	0.005	0.121	3.68E-09	Oligo	RBM47
CCDC80.8	2.52E-13	-0.38767	0.002	0.117	3.76E-09	Oligo	CCDC80
NCF1.9	2.54E-13	-0.48862	0.009	0.128	3.79E-09	Oligo	NCF1
TUBA1B.5	2.55E-13	-0.24765	0.739	0.901	3.81E-09	Oligo	TUBA1B
MOSPD3.5	2.56E-13	-0.29278	0.12	0.294	3.83E-09	Oligo	MOSPD3
ZSWIM6.3	2.56E-13	0.415625	0.233	0.125	3.83E-09	Oligo	ZSWIM6
PLA2G5.8	2.61E-13	-0.52041	0	0.113	3.90E-09	Oligo	PLA2G5
METRN.9	2.63E-13	0.352219	0.426	0.289	3.93E-09	Oligo	METRN
SLC4A4.7	2.67E-13	-0.32326	0	0.113	3.99E-09	Oligo	SLC4A4
PDAP1.6	2.72E-13	-0.22882	0.336	0.543	4.06E-09	Oligo	PDAP1
NT5C3B.8	2.79E-13	-0.27578	0.151	0.338	4.16E-09	Oligo	NT5C3B
PAK3.9	2.79E-13	-0.38186	0.021	0.148	4.17E-09	Oligo	PAK3
ZNF385A.9	2.80E-13	-0.38985	0.016	0.141	4.19E-09	Oligo	ZNF385A
RPAIN.7	2.86E-13	-0.21813	0.294	0.492	4.28E-09	Oligo	RPAIN
PPP1R16A.2	2.95E-13	-0.27537	0.035	0.174	4.41E-09	Oligo	PPP1R16A
NAV1.6	2.97E-13	0.416757	0.273	0.158	4.43E-09	Oligo	NAV1
RASSF5.8	2.98E-13	-0.43586	0.007	0.124	4.45E-09	Oligo	RASSF5
SERINC2.5	3.03E-13	-0.28894	0.007	0.124	4.53E-09	Oligo	SERINC2
SUDS3.7	3.07E-13	-0.30228	0.049	0.193	4.59E-09	Oligo	SUDS3
TFPT.6	3.22E-13	-0.24965	0.139	0.315	4.81E-09	Oligo	TFPT
TSTA3.3	3.31E-13	-0.369	0.108	0.275	4.94E-09	Oligo	TSTA3
MTHFD1L.8	3.33E-13	-0.34421	0.016	0.14	4.97E-09	Oligo	MTHFD1L
SLC35F2.5	3.38E-13	-0.25222	0	0.112	5.06E-09	Oligo	SLC35F2
DDAH1.7	3.49E-13	-0.2824	0.009	0.129	5.22E-09	Oligo	DDAH1
NRSN2.8	3.50E-13	-0.24375	0.033	0.169	5.23E-09	Oligo	NRSN2
ANKRD35.4	3.51E-13	-0.27152	0.016	0.141	5.24E-09	Oligo	ANKRD35
DNAJC15.6	3.51E-13	-0.33035	0.209	0.397	5.25E-09	Oligo	DNAJC15
HNRNPA1.2	3.63E-13	-0.15295	0.755	0.882	5.42E-09	Oligo	HNRNPA1
CKAP4.7	3.64E-13	-0.25238	0.064	0.215	5.44E-09	Oligo	CKAP4
RHBDD2.8	3.71E-13	-0.32973	0.275	0.466	5.55E-09	Oligo	RHBDD2

NFKBID. 7	3. 75E-13	-0. 51743	0. 021	0. 145	5. 60E-09	Oligo	NFKBID
CPS1	3. 77E-13	0. 1879	0. 047	0. 01	5. 63E-09	Oligo	CPS1
ETV6. 5	3. 84E-13	-0. 34148	0. 024	0. 152	5. 74E-09	Oligo	ETV6
CREG1. 9	3. 88E-13	-0. 482	0. 146	0. 303	5. 79E-09	Oligo	CREG1
SRD5A3. 5	3. 98E-13	0. 398547	0. 275	0. 158	5. 96E-09	Oligo	SRD5A3
AOAH. 8	3. 99E-13	-0. 5131	0. 009	0. 127	5. 96E-09	Oligo	AOAH
DERL1. 4	4. 08E-13	-0. 36831	0. 146	0. 319	6. 10E-09	Oligo	DERL1
BCKDK. 8	4. 13E-13	-0. 3117	0. 141	0. 321	6. 18E-09	Oligo	BCKDK
DPCD. 6	4. 16E-13	-0. 39759	0. 033	0. 166	6. 22E-09	Oligo	DPCD
TRAPPC10. 4	4. 18E-13	0. 318378	0. 186	0. 089	6. 25E-09	Oligo	TRAPPC10
VGLL4. 6	4. 19E-13	-0. 30489	0. 151	0. 324	6. 26E-09	Oligo	VGLL4
PTRF. 9	4. 24E-13	0. 422315	0. 294	0. 181	6. 34E-09	Oligo	PTRF
LAMA5. 6	4. 31E-13	-0. 23134	0. 002	0. 116	6. 44E-09	Oligo	LAMA5
ACSS3. 7	4. 35E-13	-0. 20526	0. 002	0. 116	6. 50E-09	Oligo	ACSS3
CTNNAL1. 7	4. 35E-13	-0. 30365	0. 024	0. 151	6. 50E-09	Oligo	CTNNAL1
NDUFS4. 3	4. 36E-13	-0. 24715	0. 308	0. 512	6. 52E-09	Oligo	NDUFS4
MLX. 4	4. 39E-13	-0. 32409	0. 132	0. 305	6. 56E-09	Oligo	MLX
MORN2. 7	4. 58E-13	-0. 292	0. 104	0. 268	6. 85E-09	Oligo	MORN2
C2. 7	4. 59E-13	-0. 51972	0. 005	0. 119	6. 86E-09	Oligo	C2
C3orf58. 2	4. 68E-13	0. 365563	0. 181	0. 086	7. 00E-09	Oligo	C3orf58
PITPNC1. 5	4. 74E-13	-0. 26212	0. 009	0. 127	7. 08E-09	Oligo	PITPNC1
PSMA4. 3	4. 76E-13	-0. 22891	0. 346	0. 545	7. 11E-09	Oligo	PSMA4
MAGEH1. 8	4. 80E-13	0. 549677	0. 442	0. 313	7. 17E-09	Oligo	MAGEH1
KLHL24. 5	4. 80E-13	0. 353538	0. 299	0. 174	7. 17E-09	Oligo	KLHL24
PPIG. 2	4. 93E-13	-0. 23184	0. 332	0. 536	7. 37E-09	Oligo	PPIG
SEC14L1. 5	5. 01E-13	-0. 37704	0. 129	0. 298	7. 49E-09	Oligo	SEC14L1
PMPCA. 6	5. 19E-13	-0. 23085	0. 089	0. 252	7. 76E-09	Oligo	PMPCA
CBX1. 7	5. 21E-13	-0. 33506	0. 191	0. 374	7. 78E-09	Oligo	CBX1
PANK2. 3	5. 27E-13	-0. 29616	0. 064	0. 214	7. 87E-09	Oligo	PANK2
RGS11. 6	5. 38E-13	0. 295052	0. 118	0. 045	8. 04E-09	Oligo	RGS11
TNFAIP3. 9	5. 44E-13	-0. 5583	0. 038	0. 168	8. 13E-09	Oligo	TNFAIP3
IP6K2. 8	5. 53E-13	-0. 22036	0. 24	0. 442	8. 26E-09	Oligo	IP6K2
TRAM1. 7	5. 55E-13	-0. 35725	0. 249	0. 44	8. 30E-09	Oligo	TRAM1
FAM177A1. 5	5. 65E-13	0. 425877	0. 485	0. 384	8. 44E-09	Oligo	FAM177A1
RNF141. 5	5. 81E-13	0. 482338	0. 329	0. 21	8. 68E-09	Oligo	RNF141
ANXA6. 2	5. 83E-13	-0. 36077	0. 049	0. 19	8. 72E-09	Oligo	ANXA6
MEA1. 3	5. 91E-13	-0. 18947	0. 24	0. 441	8. 83E-09	Oligo	MEA1
ARHGAP24. 5	5. 94E-13	-0. 57735	0. 028	0. 153	8. 87E-09	Oligo	ARHGAP24
TTLL11	6. 02E-13	0. 18734	0. 061	0. 015	8. 99E-09	Oligo	TTLL11
TCEB2. 7	6. 08E-13	0. 232142	0. 831	0. 823	9. 09E-09	Oligo	TCEB2
TCIRG1. 9	6. 15E-13	-0. 42976	0. 012	0. 13	9. 19E-09	Oligo	TCIRG1
SMARCA1. 7	6. 18E-13	-0. 28045	0. 04	0. 176	9. 24E-09	Oligo	SMARCA1
SPECC1. 8	6. 22E-13	0. 395874	0. 407	0. 292	9. 29E-09	Oligo	SPECC1
RIC8A. 5	6. 34E-13	-0. 25206	0. 12	0. 292	9. 47E-09	Oligo	RIC8A
PLK2. 6	6. 47E-13	-0. 42926	0. 019	0. 141	9. 67E-09	Oligo	PLK2
CTSA. 9	6. 63E-13	-0. 35109	0. 226	0. 406	9. 91E-09	Oligo	CTSA
CCT5. 6	6. 66E-13	-0. 23762	0. 289	0. 489	9. 95E-09	Oligo	CCT5
STMN2. 9	7. 02E-13	-0. 76188	0. 059	0. 191	1. 05E-08	Oligo	STMN2
GAB2. 4	7. 06E-13	0. 290872	0. 148	0. 063	1. 05E-08	Oligo	GAB2
FAM110B. 7	7. 42E-13	-0. 3479	0. 052	0. 192	1. 11E-08	Oligo	FAM110B
C14orf132	7. 46E-13	0. 41666	0. 188	0. 088	1. 12E-08	Oligo	C14orf132

MYO1F.9	7.51E-13	-0.54401	0.054	0.189	1.12E-08	Oligo	MYO1F
CPNE1.2	7.58E-13	-0.32545	0.165	0.346	1.13E-08	Oligo	CPNE1
TMUB1.3	7.73E-13	-0.31073	0.108	0.272	1.16E-08	Oligo	TMUB1
ERBB2IP.5	7.74E-13	0.435329	0.329	0.217	1.16E-08	Oligo	ERBB2IP
WWTR1.9	7.74E-13	-0.2958	0.033	0.165	1.16E-08	Oligo	WWTR1
FLOT2.4	7.75E-13	-0.36291	0.052	0.191	1.16E-08	Oligo	FLOT2
OFD1.3	7.78E-13	-0.26396	0.111	0.281	1.16E-08	Oligo	OFD1
DCPS.4	7.85E-13	-0.32779	0.04	0.176	1.17E-08	Oligo	DCPS
LMO4.9	7.87E-13	-0.36431	0.32	0.484	1.18E-08	Oligo	LMO4
C16orf91.	7.88E-13	-0.31143	0.056	0.201	1.18E-08	Oligo	C16orf91
KCNE4.7	7.93E-13	-0.25606	0	0.109	1.19E-08	Oligo	KCNE4
SAMD8.3	8.03E-13	0.400558	0.247	0.14	1.20E-08	Oligo	SAMD8
B4GALT1.9	8.08E-13	-0.46775	0.009	0.124	1.21E-08	Oligo	B4GALT1
PARP14.7	8.19E-13	-0.35696	0.031	0.161	1.22E-08	Oligo	PARP14
HMOX2.5	8.25E-13	0.507986	0.409	0.29	1.23E-08	Oligo	HMOX2
SRSF7.3	8.31E-13	-0.26163	0.4	0.598	1.24E-08	Oligo	SRSF7
GGNBP2.3	8.31E-13	-0.27348	0.209	0.397	1.24E-08	Oligo	GGNBP2
PTGER4.8	8.45E-13	-0.49248	0.012	0.128	1.26E-08	Oligo	PTGER4
RP11-552D4.1	8.67E-13	-0.61403	0.009	0.124	1.30E-08	Oligo	RP11-552D4.1
NFKBIE.7	8.70E-13	-0.29995	0.016	0.138	1.30E-08	Oligo	NFKBIE
MRT04.3	8.75E-13	-0.27107	0.092	0.251	1.31E-08	Oligo	MRT04
ITFG1.5	8.95E-13	-0.31887	0.174	0.355	1.34E-08	Oligo	ITFG1
MAPK7.6	8.98E-13	-0.26041	0.012	0.129	1.34E-08	Oligo	MAPK7
TMEM251.3	9.50E-13	-0.29586	0.089	0.248	1.42E-08	Oligo	TMEM251
DBF4.7	9.54E-13	-0.33784	0.009	0.125	1.43E-08	Oligo	DBF4
CWC27.6	9.57E-13	-0.2356	0.104	0.27	1.43E-08	Oligo	CWC27
CCDC28A.8	9.61E-13	-0.3752	0.033	0.163	1.44E-08	Oligo	CCDC28A
SEMA4C.3	9.69E-13	0.387761	0.188	0.092	1.45E-08	Oligo	SEMA4C
XAF1.4	9.71E-13	-0.41597	0.002	0.112	1.45E-08	Oligo	XAF1
SNAPC1.4	9.83E-13	-0.29372	0.052	0.193	1.47E-08	Oligo	SNAPC1
TSSC1.4	9.86E-13	-0.22582	0.104	0.266	1.47E-08	Oligo	TSSC1
TP53I3.3	9.87E-13	-0.28337	0.024	0.15	1.47E-08	Oligo	TP53I3
GLRX3.5	1.02E-12	-0.24524	0.134	0.311	1.52E-08	Oligo	GLRX3
MBD4.6	1.02E-12	-0.38601	0.111	0.269	1.52E-08	Oligo	MBD4
TRIO.7	1.02E-12	-0.35044	0.042	0.177	1.52E-08	Oligo	TRIO
ST6GALNAC4	1.04E-12	-0.28652	0.012	0.13	1.55E-08	Oligo	ST6GALNAC4
RAC2.9	1.04E-12	-0.51565	0.009	0.123	1.55E-08	Oligo	RAC2
TLE3.7	1.04E-12	-0.40502	0.021	0.141	1.55E-08	Oligo	TLE3
GAS1.9	1.06E-12	-0.31833	0.024	0.149	1.58E-08	Oligo	GAS1
DLX6-AS1.1	1.06E-12	-0.67852	0.016	0.134	1.59E-08	Oligo	DLX6-AS1
SRSF2.7	1.06E-12	-0.27844	0.428	0.612	1.59E-08	Oligo	SRSF2
GLT8D1.3	1.07E-12	-0.30667	0.118	0.282	1.59E-08	Oligo	GLT8D1
N4BP2.5	1.07E-12	-0.23128	0.007	0.121	1.59E-08	Oligo	N4BP2
DLX5.9	1.08E-12	-0.62657	0.026	0.148	1.61E-08	Oligo	DLX5
DYNC1H1.7	1.08E-12	0.493379	0.438	0.334	1.62E-08	Oligo	DYNC1H1
CD82.4	1.09E-12	0.586891	0.353	0.235	1.62E-08	Oligo	CD82
FBXL7	1.09E-12	0.250136	0.089	0.03	1.63E-08	Oligo	FBXL7
RBM27.6	1.10E-12	-0.29241	0.078	0.231	1.64E-08	Oligo	RBM27
NDUFB8.4	1.13E-12	0.709468	0.132	0.054	1.69E-08	Oligo	NDUFB8
HNRNPA3.4	1.14E-12	-0.27926	0.358	0.562	1.70E-08	Oligo	HNRNPA3
CBX4.9	1.15E-12	0.322574	0.216	0.111	1.72E-08	Oligo	CBX4

PIH1D1.3	1.16E-12	-0.16641	0.205	0.397	1.73E-08	Oligo	PIH1D1
SMARCA4.8	1.17E-12	-0.2816	0.191	0.367	1.75E-08	Oligo	SMARCA4
KIAA1161	1.18E-12	0.197039	0.071	0.02	1.76E-08	Oligo	KIAA1161
ST8SIA4.9	1.19E-12	-0.41075	0.009	0.123	1.78E-08	Oligo	ST8SIA4
TRAPPC2P1	1.21E-12	-0.22328	0.078	0.229	1.81E-08	Oligo	TRAPPC2P1
STK38L.5	1.22E-12	-0.36197	0.028	0.155	1.83E-08	Oligo	STK38L
KTN1.3	1.27E-12	0.282143	0.588	0.525	1.90E-08	Oligo	KTN1
RIN3.9	1.28E-12	-0.42735	0.007	0.119	1.92E-08	Oligo	RIN3
ZDHHC4.7	1.28E-12	-0.29809	0.174	0.362	1.92E-08	Oligo	ZDHHC4
LYRM4.1	1.29E-12	-0.23102	0.101	0.267	1.92E-08	Oligo	LYRM4
ATPAF2.5	1.30E-12	-0.25823	0.071	0.218	1.94E-08	Oligo	ATPAF2
FARSB.6	1.31E-12	-0.35764	0.085	0.238	1.95E-08	Oligo	FARSB
STPG1	1.34E-12	0.22076	0.078	0.023	2.00E-08	Oligo	STPG1
DTNBP1.6	1.35E-12	-0.2916	0.066	0.212	2.02E-08	Oligo	DTNBP1
ATP5G3.2	1.35E-12	-0.12678	0.551	0.743	2.02E-08	Oligo	ATP5G3
CDKN2C.6	1.38E-12	-0.37674	0.12	0.288	2.06E-08	Oligo	CDKN2C
EPT1	1.39E-12	0.286218	0.129	0.053	2.08E-08	Oligo	EPT1
MKNK1.8	1.41E-12	-0.42362	0.042	0.175	2.11E-08	Oligo	MKNK1
IMPAD1.4	1.41E-12	0.464617	0.289	0.182	2.11E-08	Oligo	IMPAD1
TADA3.3	1.45E-12	-0.31464	0.214	0.396	2.17E-08	Oligo	TADA3
GRINA.6	1.47E-12	-0.30269	0.254	0.443	2.19E-08	Oligo	GRINA
PRKAG2-AS	1.48E-12	-0.48303	0.014	0.129	2.21E-08	Oligo	PRKAG2-AS1
CRELD1.1	1.49E-12	-0.23153	0.042	0.177	2.23E-08	Oligo	CRELD1
NTNG2	1.52E-12	0.166513	0.061	0.016	2.27E-08	Oligo	NTNG2
MSI1.7	1.58E-12	-0.28154	0.019	0.139	2.37E-08	Oligo	MSI1
MFNG.9	1.59E-12	-0.45175	0.014	0.131	2.37E-08	Oligo	MFNG
DNMT1.8	1.59E-12	-0.24915	0.122	0.292	2.37E-08	Oligo	DNMT1
PTPN2.7	1.60E-12	-0.37072	0.099	0.254	2.40E-08	Oligo	PTPN2
NOTCH2.3	1.61E-12	-0.26859	0.026	0.151	2.41E-08	Oligo	NOTCH2
EZH2.8	1.62E-12	-0.3213	0.031	0.158	2.43E-08	Oligo	EZH2
KLHL3	1.64E-12	0.135055	0.042	0.008	2.45E-08	Oligo	KLHL3
WDR77.2	1.64E-12	-0.25254	0.068	0.214	2.45E-08	Oligo	WDR77
C1QL1.7	1.66E-12	-0.30689	0.007	0.119	2.48E-08	Oligo	C1QL1
PREX2	1.67E-12	0.225405	0.082	0.026	2.50E-08	Oligo	PREX2
RP11-401F	1.68E-12	0.158234	0.049	0.011	2.51E-08	Oligo	RP11-401P9.4
VPS45.3	1.69E-12	-0.33145	0.04	0.173	2.53E-08	Oligo	VPS45
ARHGEF6.3	1.71E-12	-0.29323	0.024	0.147	2.55E-08	Oligo	ARHGEF6
SCOC.8	1.71E-12	0.466441	0.504	0.411	2.56E-08	Oligo	SCOC
FAM104A.5	1.71E-12	-0.22955	0.089	0.245	2.56E-08	Oligo	FAM104A
FBP1.9	1.72E-12	-0.46635	0.009	0.121	2.57E-08	Oligo	FBP1
RPF2.4	1.74E-12	-0.21327	0.08	0.232	2.60E-08	Oligo	RPF2
KDM1A.7	1.76E-12	-0.33596	0.066	0.208	2.64E-08	Oligo	KDM1A
ASIC4.8	1.80E-12	-0.4774	0.024	0.144	2.70E-08	Oligo	ASIC4
ADAMTS1.2	1.81E-12	0.365509	0.087	0.028	2.71E-08	Oligo	ADAMTS1
C8orf76.2	1.81E-12	-0.31965	0.033	0.162	2.71E-08	Oligo	C8orf76
IGSF11.6	1.82E-12	0.39261	0.146	0.064	2.73E-08	Oligo	IGSF11
C11orf73.	1.84E-12	-0.18498	0.233	0.427	2.75E-08	Oligo	C11orf73
DNAJB6.2	1.86E-12	-0.16525	0.511	0.716	2.78E-08	Oligo	DNAJB6
C17orf62.	1.86E-12	-0.24663	0.195	0.375	2.78E-08	Oligo	C17orf62
NCF2.9	1.89E-12	-0.4373	0	0.105	2.83E-08	Oligo	NCF2
FAH.8	1.96E-12	-0.42774	0.035	0.162	2.92E-08	Oligo	FAH

TMSB15B. 8	2. 02E-12	-0. 28976	0. 049	0. 186	3. 02E-08	Oligo	TMSB15B
RP11-14N7	2. 04E-12	-0. 33439	0. 066	0. 21	3. 05E-08	Oligo	RP11-14N7. 2
UTRN. 5	2. 07E-12	-0. 29234	0. 005	0. 114	3. 10E-08	Oligo	UTRN
RP11-715J	2. 08E-12	0. 146497	0. 024	0. 003	3. 11E-08	Oligo	RP11-715J22. 2
SPINT2. 9	2. 08E-12	-0. 47069	0. 082	0. 221	3. 11E-08	Oligo	SPINT2
SDSL. 8	2. 09E-12	-0. 41033	0. 056	0. 192	3. 13E-08	Oligo	SDSL
SRR. 7	2. 12E-12	-0. 21998	0. 031	0. 158	3. 17E-08	Oligo	SRR
GADD45G. 8	2. 18E-12	-0. 49873	0. 115	0. 261	3. 26E-08	Oligo	GADD45G
MAD2L1BP. 2	2. 21E-12	-0. 27844	0. 035	0. 165	3. 30E-08	Oligo	MAD2L1BP
ICAM3. 6	2. 23E-12	-0. 30608	0	0. 105	3. 33E-08	Oligo	ICAM3
SCRN1. 8	2. 24E-12	0. 422436	0. 285	0. 176	3. 35E-08	Oligo	SCRN1
C19orf24. 2	2. 25E-12	-0. 30132	0. 191	0. 371	3. 36E-08	Oligo	C19orf24
HMHA1. 9	2. 25E-12	-0. 45541	0. 005	0. 112	3. 36E-08	Oligo	HMHA1
NOTCH2NL. 2	2. 25E-12	-0. 30145	0. 04	0. 171	3. 36E-08	Oligo	NOTCH2NL
MICU1. 3	2. 26E-12	0. 471559	0. 235	0. 13	3. 38E-08	Oligo	MICU1
PLGRKT. 4	2. 29E-12	-0. 25075	0. 113	0. 273	3. 42E-08	Oligo	PLGRKT
BIN2. 8	2. 29E-12	-0. 47232	0. 007	0. 116	3. 42E-08	Oligo	BIN2
TMEM64. 3	2. 29E-12	0. 311633	0. 141	0. 061	3. 43E-08	Oligo	TMEM64
CCDC137. 5	2. 29E-12	-0. 26403	0. 064	0. 207	3. 43E-08	Oligo	CCDC137
SCG5. 8	2. 35E-12	0. 464488	0. 456	0. 323	3. 51E-08	Oligo	SCG5
ACADVL. 4	2. 37E-12	-0. 29113	0. 266	0. 457	3. 54E-08	Oligo	ACADVL
EEPDI. 6	2. 38E-12	0. 392301	0. 155	0. 068	3. 56E-08	Oligo	EEPDI
SYT15	2. 40E-12	0. 153323	0. 042	0. 008	3. 59E-08	Oligo	SYT15
RP11-442N	2. 42E-12	0. 159995	0. 038	0. 007	3. 61E-08	Oligo	RP11-442N24--B. 1
GALK1. 6	2. 42E-12	-0. 29688	0. 064	0. 209	3. 62E-08	Oligo	GALK1
DKK3. 7	2. 44E-12	-0. 31255	0. 064	0. 205	3. 64E-08	Oligo	DKK3
TMEM11. 6	2. 44E-12	-0. 20042	0. 144	0. 325	3. 65E-08	Oligo	TMEM11
RBFOX2. 8	2. 46E-12	-0. 30952	0. 078	0. 221	3. 67E-08	Oligo	RBFOX2
RIPK2. 7	2. 53E-12	-0. 38753	0. 042	0. 173	3. 78E-08	Oligo	RIPK2
DYNC2LI1. 2	2. 56E-12	-0. 33596	0. 04	0. 169	3. 82E-08	Oligo	DYNC2LI1
GBE1. 6	2. 58E-12	-0. 38478	0. 054	0. 19	3. 86E-08	Oligo	GBE1
USP15. 5	2. 66E-12	-0. 33982	0. 096	0. 248	3. 98E-08	Oligo	USP15
SLC7A5. 8	2. 68E-12	-0. 44024	0. 024	0. 143	4. 00E-08	Oligo	SLC7A5
TXNDC15. 2	2. 73E-12	-0. 19239	0. 129	0. 3	4. 08E-08	Oligo	TXNDC15
EBP. 3	2. 75E-12	-0. 26218	0. 099	0. 257	4. 11E-08	Oligo	EBP
BFAR. 2	2. 81E-12	-0. 33033	0. 085	0. 234	4. 20E-08	Oligo	BFAR
SNX7. 2	2. 92E-12	-0. 27205	0. 045	0. 178	4. 36E-08	Oligo	SNX7
RIT1. 5	2. 95E-12	-0. 32417	0. 073	0. 219	4. 40E-08	Oligo	RIT1
NRXN1. 8	2. 95E-12	-0. 47158	0. 042	0. 167	4. 40E-08	Oligo	NRXN1
EIF5A. 3	2. 95E-12	-0. 34989	0. 36	0. 533	4. 40E-08	Oligo	EIF5A
NPFFR1	3. 00E-12	0. 150537	0. 028	0. 004	4. 49E-08	Oligo	NPFFR1
TOR2A. 6	3. 00E-12	-0. 30461	0. 028	0. 152	4. 49E-08	Oligo	TOR2A
CIAO1. 3	3. 01E-12	-0. 30084	0. 092	0. 248	4. 50E-08	Oligo	CIAO1
ADSL. 4	3. 04E-12	-0. 28882	0. 104	0. 263	4. 54E-08	Oligo	ADSL
PSMA3. 6	3. 06E-12	-0. 22991	0. 249	0. 448	4. 57E-08	Oligo	PSMA3
HSPB11. 4	3. 06E-12	-0. 19974	0. 155	0. 335	4. 58E-08	Oligo	HSPB11
AMZ2. 4	3. 13E-12	-0. 31461	0. 202	0. 387	4. 67E-08	Oligo	AMZ2
MICAL1. 8	3. 15E-12	-0. 3887	0. 026	0. 145	4. 70E-08	Oligo	MICAL1
RAMP2. 8	3. 16E-12	-0. 32749	0. 021	0. 14	4. 72E-08	Oligo	RAMP2
CPSF4. 5	3. 23E-12	-0. 30474	0. 061	0. 201	4. 83E-08	Oligo	CPSF4
MTMR14. 6	3. 26E-12	-0. 29275	0. 08	0. 227	4. 87E-08	Oligo	MTMR14



RNF19A.8	3.29E-12	-0.32382	0.066	0.207	4.92E-08	Oligo	RNF19A
IGSF10.5	3.32E-12	-0.22126	0	0.103	4.96E-08	Oligo	IGSF10
GRB10.7	3.33E-12	0.267623	0.155	0.07	4.98E-08	Oligo	GRB10
EXOSC8.7	3.40E-12	-0.28339	0.129	0.295	5.08E-08	Oligo	EXOSC8
HCCS.2	3.43E-12	-0.31694	0.042	0.172	5.13E-08	Oligo	HCCS
LIMA1.8	3.47E-12	-0.3375	0.162	0.324	5.19E-08	Oligo	LIMA1
PPIH.3	3.48E-12	-0.30413	0.082	0.233	5.20E-08	Oligo	PPIH
RANGAP1.4	3.49E-12	0.369945	0.195	0.099	5.21E-08	Oligo	RANGAP1
RP11-680F	3.49E-12	0.161668	0.033	0.005	5.21E-08	Oligo	RP11-680F8.3
WNK3.7	3.50E-12	-0.25416	0.012	0.124	5.23E-08	Oligo	WNK3
PPP1R9A.8	3.54E-12	0.27535	0.155	0.068	5.30E-08	Oligo	PPP1R9A
RAPGEF2.2	3.55E-12	0.326481	0.148	0.066	5.30E-08	Oligo	RAPGEF2
SMARCE1.6	3.56E-12	-0.27024	0.195	0.385	5.31E-08	Oligo	SMARCE1
PLD3.5	3.59E-12	-0.3136	0.346	0.536	5.36E-08	Oligo	PLD3
RP11-472N	3.60E-12	-0.3442	0.005	0.111	5.38E-08	Oligo	RP11-472N13.3
RHOB.6	3.66E-12	0.305382	0.687	0.606	5.46E-08	Oligo	RHOB
CD33.9	3.68E-12	-0.47865	0.012	0.124	5.50E-08	Oligo	CD33
TGFBR1.9	3.68E-12	-0.38636	0.04	0.166	5.50E-08	Oligo	TGFBR1
PLEKHF1.3	3.75E-12	0.227672	0.108	0.041	5.61E-08	Oligo	PLEKHF1
SLC38A1.6	3.77E-12	-0.38294	0.026	0.146	5.63E-08	Oligo	SLC38A1
MAF.8	3.83E-12	-0.4881	0.024	0.139	5.72E-08	Oligo	MAF
PGRMC1.7	3.85E-12	0.3588	0.529	0.444	5.75E-08	Oligo	PGRMC1
PPP1R7.4	3.90E-12	-0.2969	0.181	0.36	5.82E-08	Oligo	PPP1R7
EIF2S1.4	3.95E-12	-0.21697	0.153	0.326	5.90E-08	Oligo	EIF2S1
MPHOSPH6.	3.95E-12	-0.28152	0.132	0.297	5.91E-08	Oligo	MPHOSPH6
CNRIP1.6	3.98E-12	-0.29401	0.066	0.209	5.94E-08	Oligo	CNRIP1
SMAD7.5	4.03E-12	0.145913	0.094	0.032	6.02E-08	Oligo	SMAD7
SNRPG.5	4.04E-12	-0.20342	0.475	0.646	6.03E-08	Oligo	SNRPG
TMEM183A.	4.06E-12	-0.24994	0.129	0.298	6.07E-08	Oligo	TMEM183A
STOX2.9	4.07E-12	0.394423	0.181	0.089	6.08E-08	Oligo	STOX2
STX11.8	4.20E-12	-0.47521	0.009	0.118	6.27E-08	Oligo	STX11
FOXO4	4.24E-12	0.171881	0.049	0.011	6.34E-08	Oligo	FOXO4
UBE2T.8	4.27E-12	-0.36617	0.016	0.131	6.38E-08	Oligo	UBE2T
THRAP3.7	4.28E-12	-0.25935	0.259	0.444	6.40E-08	Oligo	THRAP3
NPTX2	4.34E-12	0.259382	0.052	0.012	6.49E-08	Oligo	NPTX2
ARPC5L.6	4.35E-12	-0.29968	0.195	0.376	6.50E-08	Oligo	ARPC5L
CD47.4	4.40E-12	0.376187	0.478	0.38	6.58E-08	Oligo	CD47
SNRPA1.6	4.42E-12	-0.26593	0.129	0.301	6.60E-08	Oligo	SNRPA1
SPHK1.7	4.44E-12	-0.29348	0.005	0.11	6.63E-08	Oligo	SPHK1
OLFM1.8	4.49E-12	-0.28766	0.031	0.155	6.71E-08	Oligo	OLFM1
SNRPD1.4	4.58E-12	-0.14835	0.376	0.571	6.85E-08	Oligo	SNRPD1
CHPF2.3	4.62E-12	-0.2995	0.033	0.157	6.90E-08	Oligo	CHPF2
CPNE3.6	4.65E-12	-0.29146	0.165	0.337	6.94E-08	Oligo	CPNE3
SCFD1.4	4.70E-12	-0.21024	0.101	0.258	7.02E-08	Oligo	SCFD1
POP5.4	4.89E-12	-0.21604	0.134	0.302	7.31E-08	Oligo	POP5
WDR33.3	4.89E-12	-0.35111	0.141	0.306	7.31E-08	Oligo	WDR33
WDR41.5	4.92E-12	-0.30521	0.082	0.231	7.36E-08	Oligo	WDR41
C2orf80.8	4.93E-12	-0.31304	0.012	0.123	7.37E-08	Oligo	C2orf80
CHCHD6.6	4.99E-12	-0.26156	0.092	0.241	7.45E-08	Oligo	CHCHD6
PRPF38B.5	4.99E-12	-0.18655	0.247	0.442	7.46E-08	Oligo	PRPF38B
C12orf10.	5.08E-12	-0.24645	0.148	0.324	7.60E-08	Oligo	C12orf10

E2F4. 4	5. 13E-12	-0. 30173	0. 075	0. 219	7. 67E-08	Oligo	E2F4
RWDD4. 4	5. 31E-12	-0. 27045	0. 085	0. 232	7. 94E-08	Oligo	RWDD4
CSRNP1. 9	5. 32E-12	-0. 44874	0. 064	0. 195	7. 95E-08	Oligo	CSRNP1
MGAT4A. 9	5. 35E-12	-0. 46566	0. 085	0. 226	7. 99E-08	Oligo	MGAT4A
SRSF4. 6	5. 36E-12	-0. 24722	0. 179	0. 367	8. 00E-08	Oligo	SRSF4
CSNK1D. 6	5. 55E-12	-0. 28231	0. 184	0. 366	8. 29E-08	Oligo	CSNK1D
EHBP1. 7	5. 78E-12	-0. 27118	0. 042	0. 172	8. 63E-08	Oligo	EHBP1
FZD7. 6	5. 81E-12	-0. 21823	0	0. 101	8. 68E-08	Oligo	FZD7
ST6GALNAC	5. 83E-12	-0. 25446	0. 033	0. 158	8. 71E-08	Oligo	ST6GALNAC6
GNG12. 7	5. 84E-12	-0. 25369	0. 024	0. 142	8. 73E-08	Oligo	GNG12
PDP1. 6	5. 92E-12	-0. 28441	0. 016	0. 13	8. 85E-08	Oligo	PDP1
RCN2. 8	6. 03E-12	-0. 29816	0. 304	0. 473	9. 01E-08	Oligo	RCN2
GPATCH4. 3	6. 49E-12	-0. 31904	0. 061	0. 198	9. 69E-08	Oligo	GPATCH4
TRIAP1. 6	6. 52E-12	-0. 2788	0. 148	0. 319	9. 74E-08	Oligo	TRIAP1
TTC9B. 9	6. 54E-12	-0. 42546	0. 014	0. 124	9. 77E-08	Oligo	TTC9B
CASP3. 5	6. 57E-12	-0. 28393	0. 064	0. 202	9. 81E-08	Oligo	CASP3
CSF1. 7	6. 62E-12	0. 275184	0. 184	0. 091	9. 89E-08	Oligo	CSF1
RP11-381K	6. 87E-12	0. 18563	0. 031	0. 005	1. 03E-07	Oligo	RP11-381K20. 2
TAGAP. 9	6. 94E-12	-0. 4991	0. 002	0. 104	1. 04E-07	Oligo	TAGAP
RFTN1. 2	6. 99E-12	-0. 25168	0. 007	0. 113	1. 04E-07	Oligo	RFTN1
USP39. 4	7. 00E-12	-0. 24903	0. 054	0. 19	1. 05E-07	Oligo	USP39
SLC27A3. 4	7. 01E-12	-0. 27983	0. 014	0. 127	1. 05E-07	Oligo	SLC27A3
AEBP1. 8	7. 03E-12	-0. 37432	0. 014	0. 125	1. 05E-07	Oligo	AEBP1
PHB. 6	7. 10E-12	-0. 21093	0. 376	0. 561	1. 06E-07	Oligo	PHB
LAMP5. 8	7. 18E-12	-0. 26467	0. 007	0. 113	1. 07E-07	Oligo	LAMP5
SPTBN1. 7	7. 39E-12	0. 488392	0. 376	0. 271	1. 11E-07	Oligo	SPTBN1
LRPAP1. 6	7. 41E-12	-0. 27206	0. 36	0. 554	1. 11E-07	Oligo	LRPAP1
DLX2. 9	7. 45E-12	-0. 44675	0. 007	0. 112	1. 11E-07	Oligo	DLX2
RHN01. 4	7. 56E-12	-0. 30215	0. 061	0. 2	1. 13E-07	Oligo	RHN01
SNRNP25. 5	7. 72E-12	-0. 23556	0. 181	0. 356	1. 15E-07	Oligo	SNRNP25
TRIM27. 2	7. 94E-12	-0. 2945	0. 073	0. 215	1. 19E-07	Oligo	TRIM27
SMARCC1. 7	7. 99E-12	-0. 29777	0. 106	0. 26	1. 19E-07	Oligo	SMARCC1
SH2B2. 7	8. 14E-12	-0. 25138	0. 007	0. 112	1. 22E-07	Oligo	SH2B2
CEBPA. 8	8. 24E-12	-0. 40674	0. 005	0. 108	1. 23E-07	Oligo	CEBPA
SH3BP1. 9	8. 29E-12	-0. 34904	0. 009	0. 116	1. 24E-07	Oligo	SH3BP1
CYTIP. 8	8. 44E-12	-0. 50729	0. 005	0. 108	1. 26E-07	Oligo	CYTIP
GPR108. 5	8. 45E-12	-0. 18991	0. 111	0. 271	1. 26E-07	Oligo	GPR108
AC004540. 4	8. 49E-12	-0. 40095	0. 016	0. 127	1. 27E-07	Oligo	AC004540. 4
LPAR5. 7	8. 57E-12	-0. 44275	0. 005	0. 107	1. 28E-07	Oligo	LPAR5
CENPU. 8	8. 72E-12	-0. 28322	0. 005	0. 109	1. 30E-07	Oligo	CENPU
RANGRF. 2	8. 72E-12	-0. 26138	0. 073	0. 215	1. 30E-07	Oligo	RANGRF
ABHD3. 6	8. 78E-12	-0. 32879	0. 054	0. 187	1. 31E-07	Oligo	ABHD3
RNPS1. 4	8. 80E-12	-0. 21759	0. 344	0. 541	1. 31E-07	Oligo	RNPS1
SYT1. 9	8. 85E-12	-0. 40889	0. 002	0. 103	1. 32E-07	Oligo	SYT1
CSNK2A1. 6	8. 86E-12	-0. 25459	0. 155	0. 322	1. 32E-07	Oligo	CSNK2A1
ORAI1. 4	8. 86E-12	-0. 23316	0. 016	0. 129	1. 32E-07	Oligo	ORAI1
RARRES2. 8	9. 01E-12	-0. 70566	0. 035	0. 154	1. 35E-07	Oligo	RARRES2
PNRC1. 8	9. 07E-12	-0. 31952	0. 379	0. 546	1. 36E-07	Oligo	PNRC1
IL32. 7	9. 12E-12	-0. 51325	0. 002	0. 104	1. 36E-07	Oligo	IL32
CHST7. 7	9. 22E-12	-0. 213	0. 007	0. 113	1. 38E-07	Oligo	CHST7
TMOD3. 6	9. 33E-12	-0. 26334	0. 028	0. 148	1. 39E-07	Oligo	TMOD3

PRDM1. 8	9. 39E-12	-0. 41253	0. 002	0. 104	1. 40E-07	Oligo	PRDM1
STAM. 2	9. 39E-12	0. 358685	0. 188	0. 096	1. 40E-07	Oligo	STAM
FMNL1. 9	9. 58E-12	-0. 39936	0. 016	0. 128	1. 43E-07	Oligo	FMNL1
EFTUD2. 4	9. 65E-12	-0. 24096	0. 075	0. 22	1. 44E-07	Oligo	EFTUD2
PRPF38A. 4	9. 75E-12	-0. 1422	0. 127	0. 296	1. 46E-07	Oligo	PRPF38A
SLC25A37. 9	9. 79E-12	-0. 25387	0. 144	0. 316	1. 46E-07	Oligo	SLC25A37
COMT. 7	9. 82E-12	0. 354803	0. 631	0. 544	1. 47E-07	Oligo	COMT
IGF2BP3. 7	9. 83E-12	-0. 22453	0. 007	0. 112	1. 47E-07	Oligo	IGF2BP3
PAGR1. 1	9. 85E-12	0. 265164	0. 04	0. 008	1. 47E-07	Oligo	PAGR1
PABPC4. 9	1. 00E-11	-0. 34545	0. 172	0. 335	1. 50E-07	Oligo	PABPC4
CD164. 8	1. 01E-11	-0. 25038	0. 301	0. 497	1. 50E-07	Oligo	CD164
SAMD9L. 3	1. 01E-11	-0. 33651	0. 002	0. 103	1. 52E-07	Oligo	SAMD9L
GALNT2. 3	1. 04E-11	-0. 33095	0. 099	0. 249	1. 55E-07	Oligo	GALNT2
TRAP1. 6	1. 06E-11	-0. 23417	0. 106	0. 264	1. 58E-07	Oligo	TRAP1
INSM1. 9	1. 06E-11	-0. 2818	0. 012	0. 121	1. 59E-07	Oligo	INSM1
RHOJ. 7	1. 07E-11	-0. 21571	0. 002	0. 103	1. 59E-07	Oligo	RHOJ
ZNF581. 4	1. 07E-11	-0. 27703	0. 047	0. 178	1. 60E-07	Oligo	ZNF581
ARHGFEF26. 1	1. 10E-11	-0. 23596	0. 016	0. 129	1. 64E-07	Oligo	ARHGFEF26
WIPI1. 7	1. 15E-11	-0. 37067	0. 059	0. 19	1. 72E-07	Oligo	WIPI1
GSTM4. 5	1. 17E-11	-0. 3083	0. 071	0. 21	1. 75E-07	Oligo	GSTM4
CAP1. 8	1. 17E-11	-0. 24856	0. 414	0. 599	1. 75E-07	Oligo	CAP1
NUBP1. 6	1. 17E-11	-0. 26514	0. 08	0. 223	1. 75E-07	Oligo	NUBP1
DYSF. 1	1. 17E-11	0. 235991	0. 038	0. 007	1. 75E-07	Oligo	DYSF
DYNLL2. 9	1. 19E-11	0. 460583	0. 308	0. 202	1. 78E-07	Oligo	DYNLL2
YWHAE. 8	1. 20E-11	0. 220156	0. 781	0. 751	1. 80E-07	Oligo	YWHAE
GIPC1. 6	1. 22E-11	0. 42231	0. 365	0. 264	1. 82E-07	Oligo	GIPC1
TWISTNB. 3	1. 22E-11	-0. 30227	0. 118	0. 274	1. 83E-07	Oligo	TWISTNB
KLHDC8B. 5	1. 23E-11	-0. 26696	0. 005	0. 107	1. 84E-07	Oligo	KLHDC8B
IFI44. 5	1. 25E-11	-0. 40581	0. 059	0. 189	1. 87E-07	Oligo	IFI44
MCM3. 6	1. 27E-11	-0. 31312	0. 028	0. 147	1. 90E-07	Oligo	MCM3
RALY. 4	1. 30E-11	-0. 28668	0. 289	0. 462	1. 94E-07	Oligo	RALY
ALDH9A1. 4	1. 30E-11	-0. 2585	0. 172	0. 345	1. 95E-07	Oligo	ALDH9A1
KCNIP1. 7	1. 30E-11	-0. 29913	0. 002	0. 102	1. 95E-07	Oligo	KCNIP1
TMEM167A. 1	1. 31E-11	-0. 29166	0. 249	0. 427	1. 96E-07	Oligo	TMEM167A
PLBD1. 9	1. 34E-11	-0. 36746	0	0. 098	2. 00E-07	Oligo	PLBD1
SH3BP2. 8	1. 35E-11	-0. 3168	0. 026	0. 142	2. 01E-07	Oligo	SH3BP2
SSBP2. 8	1. 36E-11	-0. 35226	0. 12	0. 275	2. 03E-07	Oligo	SSBP2
TBC1D1. 8	1. 36E-11	-0. 28003	0. 016	0. 127	2. 03E-07	Oligo	TBC1D1
ACOT9. 8	1. 37E-11	-0. 28461	0. 054	0. 187	2. 05E-07	Oligo	ACOT9
FARSA. 4	1. 37E-11	-0. 18808	0. 155	0. 326	2. 05E-07	Oligo	FARSA
PTGES2. 3	1. 37E-11	-0. 21368	0. 115	0. 273	2. 05E-07	Oligo	PTGES2
PIGF. 7	1. 40E-11	-0. 24646	0. 132	0. 293	2. 09E-07	Oligo	PIGF
CCZ1B. 7	1. 43E-11	-0. 30182	0. 035	0. 156	2. 13E-07	Oligo	CCZ1B
PGAP1. 8	1. 44E-11	-0. 30203	0. 056	0. 188	2. 15E-07	Oligo	PGAP1
TMSB4X. 8	1. 46E-11	0. 144371	0. 993	0. 997	2. 19E-07	Oligo	TMSB4X
ZC2HC1A. 8	1. 47E-11	-0. 29403	0. 078	0. 216	2. 19E-07	Oligo	ZC2HC1A
SLC35B1. 4	1. 47E-11	-0. 18815	0. 212	0. 398	2. 20E-07	Oligo	SLC35B1
LHFPL2. 8	1. 48E-11	-0. 39551	0. 042	0. 165	2. 22E-07	Oligo	LHFPL2
RAD51C. 6	1. 50E-11	-0. 25021	0. 113	0. 272	2. 24E-07	Oligo	RAD51C
RP11-259K	1. 50E-11	0. 298556	0. 066	0. 019	2. 25E-07	Oligo	RP11-259K15. 2
LMBR1L. 7	1. 51E-11	-0. 32339	0. 056	0. 189	2. 26E-07	Oligo	LMBR1L

GNA15.9	1.52E-11	-0.43467	0.009	0.113	2.27E-07	Oligo	GNA15
UTP6.4	1.54E-11	-0.31427	0.075	0.214	2.30E-07	Oligo	UTP6
RBM15B.7	1.55E-11	-0.23917	0.047	0.176	2.32E-07	Oligo	RBM15B
LRIF1.6	1.56E-11	-0.27473	0.066	0.202	2.34E-07	Oligo	LRIF1
ZNF267.8	1.57E-11	-0.37099	0.024	0.136	2.35E-07	Oligo	ZNF267
RP11-165A	1.58E-11	0.229005	0.045	0.01	2.36E-07	Oligo	RP11-165A20.3
LRRN3.8	1.59E-11	-0.35075	0.012	0.117	2.38E-07	Oligo	LRRN3
ATP1A3.8	1.60E-11	-0.38944	0.016	0.125	2.38E-07	Oligo	ATP1A3
SEC63.4	1.62E-11	-0.26805	0.216	0.394	2.43E-07	Oligo	SEC63
PCGF2.7	1.62E-11	-0.2625	0.042	0.167	2.43E-07	Oligo	PCGF2
TNFRSF10E	1.65E-11	-0.33232	0.005	0.106	2.47E-07	Oligo	TNFRSF10B
RAB21.4	1.71E-11	0.417153	0.306	0.2	2.55E-07	Oligo	RAB21
LAMC1.6	1.72E-11	-0.1926	0.005	0.106	2.57E-07	Oligo	LAMC1
FKBP1B.4	1.75E-11	-0.25175	0.016	0.126	2.61E-07	Oligo	FKBP1B
FBXW2.4	1.77E-11	-0.27332	0.061	0.197	2.64E-07	Oligo	FBXW2
POLD2.6	1.80E-11	-0.21342	0.245	0.428	2.70E-07	Oligo	POLD2
TMEM223.2	1.83E-11	-0.18767	0.085	0.23	2.74E-07	Oligo	TMEM223
HNRNPR.4	1.86E-11	-0.22528	0.346	0.526	2.78E-07	Oligo	HNRNPR
ZMAT2.1	1.86E-11	-0.19018	0.24	0.427	2.78E-07	Oligo	ZMAT2
CENPF.9	1.91E-11	-0.40827	0.005	0.105	2.86E-07	Oligo	CENPF
DDX56.6	1.93E-11	-0.29344	0.111	0.262	2.89E-07	Oligo	DDX56
SOX21.6	1.94E-11	-0.20255	0	0.096	2.90E-07	Oligo	SOX21
CNTFR.8	1.95E-11	-0.27107	0.021	0.134	2.92E-07	Oligo	CNTFR
DUSP12.5	1.98E-11	-0.2669	0.094	0.241	2.95E-07	Oligo	DUSP12
DIP2A.3	1.99E-11	0.347816	0.207	0.11	2.97E-07	Oligo	DIP2A
NOB1.3	1.99E-11	-0.25515	0.064	0.197	2.98E-07	Oligo	NOB1
BAIAP2.4	2.00E-11	-0.30581	0.066	0.202	2.99E-07	Oligo	BAIAP2
WRB.8	2.00E-11	0.56448	0.506	0.417	2.99E-07	Oligo	WRB
TMEM80.2	2.01E-11	-0.19696	0.045	0.173	3.01E-07	Oligo	TMEM80
DNAJA2.3	2.02E-11	-0.33004	0.169	0.336	3.02E-07	Oligo	DNAJA2
PLXNB3	2.04E-11	0.124224	0.024	0.003	3.04E-07	Oligo	PLXNB3
TRAPPC1.4	2.04E-11	-0.18983	0.435	0.622	3.04E-07	Oligo	TRAPPC1
APOBEC3G.	2.07E-11	-0.35532	0.014	0.122	3.10E-07	Oligo	APOBEC3G
CPNE4.7	2.08E-11	-0.19961	0	0.096	3.11E-07	Oligo	CPNE4
SIGLEC9.9	2.08E-11	-0.41398	0	0.096	3.11E-07	Oligo	SIGLEC9
SLC10A4.8	2.10E-11	-0.20717	0.002	0.1	3.13E-07	Oligo	SLC10A4
ARHGAP4.9	2.10E-11	-0.43141	0.014	0.119	3.14E-07	Oligo	ARHGAP4
BRAT1.4	2.11E-11	-0.2936	0.056	0.189	3.15E-07	Oligo	BRAT1
UQCR10.6	2.11E-11	-0.12316	0.593	0.747	3.15E-07	Oligo	UQCR10
PTPN18.9	2.12E-11	-0.33742	0.078	0.216	3.17E-07	Oligo	PTPN18
NCOR1.8	2.12E-11	-0.25195	0.285	0.471	3.17E-07	Oligo	NCOR1
MFSD11.1	2.13E-11	-0.29877	0.064	0.199	3.18E-07	Oligo	MFSD11
ATP6V1H.2	2.15E-11	-0.3377	0.162	0.328	3.21E-07	Oligo	ATP6V1H
GEM.4	2.15E-11	-0.41326	0.002	0.1	3.21E-07	Oligo	GEM
PPAT.6	2.19E-11	-0.2628	0.031	0.148	3.27E-07	Oligo	PPAT
ADAM17.6	2.20E-11	-0.28807	0.108	0.261	3.29E-07	Oligo	ADAM17
KIF13A.1	2.20E-11	0.362878	0.129	0.056	3.29E-07	Oligo	KIF13A
MARCH3.5	2.20E-11	-0.36881	0.007	0.108	3.29E-07	Oligo	3-Mar
APEH.2	2.26E-11	-0.29693	0.066	0.201	3.37E-07	Oligo	APEH
PXDN.5	2.26E-11	-0.22839	0.005	0.105	3.38E-07	Oligo	PXDN
TTYH3.6	2.26E-11	-0.27479	0.104	0.252	3.38E-07	Oligo	TTYH3

BTG3. 6	2. 29E-11	-0. 32703	0. 209	0. 377	3. 42E-07 Oligo	BTG3
SMYD3. 5	2. 29E-11	-0. 34394	0. 028	0. 143	3. 42E-07 Oligo	SMYD3
EBI3. 8	2. 29E-11	-0. 44851	0. 002	0. 1	3. 43E-07 Oligo	EBI3
HDAC2. 8	2. 30E-11	-0. 28016	0. 275	0. 454	3. 43E-07 Oligo	HDAC2
ALAD. 2	2. 33E-11	0. 34942	0. 2	0. 104	3. 48E-07 Oligo	ALAD
PLOD2. 7	2. 36E-11	-0. 28075	0. 042	0. 166	3. 53E-07 Oligo	PLOD2
PNN. 6	2. 37E-11	-0. 25867	0. 228	0. 408	3. 54E-07 Oligo	PNN
BCAT1. 7	2. 38E-11	-0. 30524	0. 092	0. 236	3. 56E-07 Oligo	BCAT1
BATF3. 3	2. 44E-11	-0. 25125	0	0. 096	3. 65E-07 Oligo	BATF3
HIST1H2AC	2. 49E-11	0. 348477	0. 275	0. 163	3. 71E-07 Oligo	HIST1H2AC
TPST1. 7	2. 50E-11	-0. 31623	0. 101	0. 245	3. 74E-07 Oligo	TPST1
MVB12A. 5	2. 50E-11	-0. 16159	0. 139	0. 308	3. 74E-07 Oligo	MVB12A
ZDHHC3. 3	2. 51E-11	-0. 2501	0. 068	0. 204	3. 75E-07 Oligo	ZDHHC3
SNW1. 1	2. 53E-11	-0. 32459	0. 193	0. 359	3. 79E-07 Oligo	SNW1
CD84. 9	2. 54E-11	-0. 39464	0. 021	0. 133	3. 80E-07 Oligo	CD84
LDHB. 5	2. 55E-11	-0. 14152	0. 607	0. 785	3. 81E-07 Oligo	LDHB
AKR7A2. 4	2. 57E-11	-0. 29728	0. 155	0. 321	3. 83E-07 Oligo	AKR7A2
MAP7D3. 2	2. 58E-11	-0. 26757	0. 014	0. 121	3. 86E-07 Oligo	MAP7D3
MYD88. 5	2. 58E-11	-0. 32143	0. 024	0. 134	3. 86E-07 Oligo	MYD88
CLEC5A. 8	2. 61E-11	-0. 48926	0. 005	0. 103	3. 90E-07 Oligo	CLEC5A
RASD1. 6	2. 62E-11	-0. 44445	0. 026	0. 138	3. 91E-07 Oligo	RASD1
PLIN3. 5	2. 66E-11	0. 420783	0. 452	0. 355	3. 98E-07 Oligo	PLIN3
POLD4. 7	2. 69E-11	-0. 34986	0. 259	0. 427	4. 03E-07 Oligo	POLD4
TNFRSF19. 2	2. 73E-11	-0. 18125	0. 007	0. 109	4. 07E-07 Oligo	TNFRSF19
SCP2. 4	2. 74E-11	-0. 27757	0. 395	0. 591	4. 09E-07 Oligo	SCP2
STARD7. 4	2. 74E-11	0. 430427	0. 412	0. 313	4. 09E-07 Oligo	STARD7
ERICH1. 5	2. 75E-11	-0. 23535	0. 122	0. 278	4. 11E-07 Oligo	ERICH1
GATS. 6	2. 75E-11	0. 385471	0. 136	0. 06	4. 11E-07 Oligo	GATS
RP11-16E1	2. 77E-11	0. 212729	0. 064	0. 018	4. 15E-07 Oligo	RP11-16E12. 1
MX1. 6	2. 78E-11	-0. 41538	0. 016	0. 124	4. 15E-07 Oligo	MX1
PARL. 3	2. 82E-11	-0. 26412	0. 174	0. 344	4. 21E-07 Oligo	PARL
EPAS1. 6	2. 85E-11	-0. 31436	0. 007	0. 108	4. 26E-07 Oligo	EPAS1
GSTO2	2. 86E-11	0. 217747	0. 056	0. 015	4. 27E-07 Oligo	GSTO2
HRH1. 8	2. 86E-11	-0. 2625	0. 002	0. 1	4. 28E-07 Oligo	HRH1
TLR2. 9	2. 87E-11	-0. 46741	0. 012	0. 115	4. 29E-07 Oligo	TLR2
ZNF131. 7	2. 89E-11	-0. 26718	0. 092	0. 237	4. 32E-07 Oligo	ZNF131
LCP2. 9	2. 92E-11	-0. 43673	0. 014	0. 119	4. 36E-07 Oligo	LCP2
GNPTAB. 3	2. 93E-11	-0. 32359	0. 04	0. 16	4. 38E-07 Oligo	GNPTAB
DUSP2. 8	2. 95E-11	-0. 49514	0. 012	0. 114	4. 41E-07 Oligo	DUSP2
SUSD3. 8	2. 95E-11	-0. 4466	0. 002	0. 099	4. 41E-07 Oligo	SUSD3
MTRR. 3	2. 96E-11	0. 430603	0. 165	0. 08	4. 42E-07 Oligo	MTRR
MINOS1. 7	3. 03E-11	-0. 28282	0. 471	0. 646	4. 53E-07 Oligo	MINOS1
MARCH7. 3	3. 05E-11	-0. 29571	0. 111	0. 261	4. 56E-07 Oligo	7-Mar
CNIH2. 9	3. 08E-11	-0. 16929	0. 021	0. 134	4. 61E-07 Oligo	CNIH2
CRTAP. 9	3. 10E-11	-0. 24824	0. 096	0. 242	4. 63E-07 Oligo	CRTAP
KCNK12. 1	3. 10E-11	0. 165822	0. 073	0. 023	4. 64E-07 Oligo	KCNK12
TM4SF1. 9	3. 12E-11	-0. 31199	0. 012	0. 116	4. 67E-07 Oligo	TM4SF1
STIP1. 6	3. 16E-11	-0. 26311	0. 2	0. 378	4. 72E-07 Oligo	STIP1
UXS1. 2	3. 17E-11	-0. 24528	0. 071	0. 208	4. 74E-07 Oligo	UXS1
FN1. 7	3. 19E-11	-0. 4435	0. 04	0. 159	4. 77E-07 Oligo	FN1
SEC62. 4	3. 22E-11	0. 38591	0. 704	0. 691	4. 81E-07 Oligo	SEC62

SMIM20.3	3.23E-11	-0.25609	0.176	0.346	4.83E-07	Oligo	SMIM20
ANKRD37.5	3.30E-11	-0.36552	0.031	0.146	4.94E-07	Oligo	ANKRD37
ITGB8.7	3.43E-11	0.362476	0.339	0.236	5.12E-07	Oligo	ITGB8
GNE	3.47E-11	0.206003	0.101	0.038	5.18E-07	Oligo	GNE
L3MBTL4	3.48E-11	0.257045	0.089	0.031	5.19E-07	Oligo	L3MBTL4
ITGA2.7	3.49E-11	0.305983	0.134	0.06	5.21E-07	Oligo	ITGA2
SPATA20.5	3.51E-11	-0.26594	0.024	0.135	5.25E-07	Oligo	SPATA20
C22orf39.3	3.52E-11	-0.30343	0.113	0.265	5.26E-07	Oligo	C22orf39
TSFM.6	3.53E-11	-0.32758	0.129	0.281	5.27E-07	Oligo	TSFM
SNAP47.7	3.53E-11	-0.19074	0.071	0.207	5.28E-07	Oligo	SNAP47
ARL6IP5.4	3.54E-11	0.416521	0.696	0.649	5.28E-07	Oligo	ARL6IP5
CSNK1A1.6	3.54E-11	-0.26496	0.398	0.564	5.29E-07	Oligo	CSNK1A1
TSNAX.1	3.58E-11	-0.2205	0.16	0.324	5.35E-07	Oligo	TSNAX
RNF180.8	3.59E-11	-0.30673	0.049	0.172	5.37E-07	Oligo	RNF180
FAM174B	3.62E-11	0.127197	0.052	0.013	5.41E-07	Oligo	FAM174B
TMEM45A.5	3.68E-11	-0.32817	0.054	0.181	5.50E-07	Oligo	TMEM45A
TTL4.2	3.79E-11	0.459635	0.146	0.068	5.67E-07	Oligo	TTL4
PTGFRN.4	3.81E-11	-0.22176	0.007	0.107	5.69E-07	Oligo	PTGFRN
ZNF800.5	3.84E-11	-0.24805	0.056	0.187	5.73E-07	Oligo	ZNF800
RGS6.7	3.87E-11	-0.23897	0	0.094	5.79E-07	Oligo	RGS6
PYCR2.3	3.90E-11	0.437251	0.344	0.237	5.83E-07	Oligo	PYCR2
TRIM37.7	3.91E-11	-0.21569	0.035	0.154	5.84E-07	Oligo	TRIM37
PER3	3.91E-11	0.254381	0.099	0.037	5.85E-07	Oligo	PER3
NAT9.5	3.92E-11	-0.19708	0.071	0.208	5.86E-07	Oligo	NAT9
ACBD6.5	3.97E-11	-0.25373	0.127	0.283	5.94E-07	Oligo	ACBD6
OCEL1.3	4.00E-11	-0.30405	0.04	0.161	5.98E-07	Oligo	OCEL1
RAB5A.5	4.01E-11	-0.2521	0.266	0.455	5.99E-07	Oligo	RAB5A
GID8.2	4.11E-11	-0.26015	0.104	0.252	6.14E-07	Oligo	GID8
PALD1.8	4.17E-11	-0.41899	0.007	0.105	6.23E-07	Oligo	PALD1
WDR18.6	4.22E-11	-0.27744	0.132	0.292	6.31E-07	Oligo	WDR18
TM9SF3.5	4.36E-11	0.390578	0.32	0.216	6.51E-07	Oligo	TM9SF3
RILP.9	4.36E-11	-0.27359	0.007	0.106	6.51E-07	Oligo	RILP
ZDHHC12.9	4.38E-11	-0.29375	0.118	0.266	6.55E-07	Oligo	ZDHHC12
ZNF791.5	4.40E-11	-0.24962	0.12	0.276	6.57E-07	Oligo	ZNF791
PPP2R3A.5	4.40E-11	0.285818	0.132	0.058	6.57E-07	Oligo	PPP2R3A
ROBO2.8	4.44E-11	-0.19685	0.009	0.111	6.63E-07	Oligo	ROBO2
ODF3B.9	4.48E-11	-0.34185	0.002	0.097	6.69E-07	Oligo	ODF3B
OSBPL8.5	4.48E-11	-0.30502	0.158	0.317	6.70E-07	Oligo	OSBPL8
RP11-100C	4.72E-11	0.21366	0.101	0.038	7.06E-07	Oligo	RP11-1000B6.3
SH3GL1.5	4.78E-11	-0.21312	0.111	0.255	7.14E-07	Oligo	SH3GL1
P2RX7.3	4.80E-11	0.280943	0.167	0.08	7.17E-07	Oligo	P2RX7
ZIC1.7	4.87E-11	-0.2559	0.014	0.118	7.27E-07	Oligo	ZIC1
TRIP10.3	4.89E-11	-0.23958	0.005	0.102	7.31E-07	Oligo	TRIP10
COA1.4	4.93E-11	-0.28417	0.231	0.403	7.37E-07	Oligo	COA1
PEX13.1	5.06E-11	-0.28421	0.049	0.174	7.56E-07	Oligo	PEX13
VSTM2A.7	5.06E-11	-0.57368	0.009	0.109	7.56E-07	Oligo	VSTM2A
HSD11B1L.5	5.07E-11	-0.26392	0.073	0.21	7.58E-07	Oligo	HSD11B1L
KLF9.3	5.09E-11	0.308684	0.228	0.127	7.60E-07	Oligo	KLF9
HLA-DQB2.5	5.10E-11	-0.62682	0.005	0.101	7.62E-07	Oligo	HLA-DQB2
PHF23.7	5.11E-11	-0.18821	0.075	0.212	7.64E-07	Oligo	PHF23
IL10.9	5.12E-11	-0.48949	0.009	0.11	7.65E-07	Oligo	IL10

SPOPL. 2	5.16E-11	0.24798	0.122	0.051	7.72E-07 Oligo	SPOPL
NR4A1. 8	5.17E-11	-0.38305	0.139	0.278	7.73E-07 Oligo	NR4A1
INO80C. 4	5.24E-11	-0.28952	0.047	0.17	7.83E-07 Oligo	INO80C
GPR162. 7	5.27E-11	-0.24816	0.007	0.105	7.87E-07 Oligo	GPR162
DZIP1. 7	5.31E-11	-0.17693	0.007	0.106	7.94E-07 Oligo	DZIP1
PAK1IP1. 6	5.34E-11	-0.20575	0.08	0.221	7.98E-07 Oligo	PAK1IP1
SUPT7L. 2	5.36E-11	-0.31312	0.064	0.194	8.00E-07 Oligo	SUPT7L
IER5L. 2	5.42E-11	-0.23625	0.005	0.101	8.10E-07 Oligo	IER5L
MPLKIP. 5	5.44E-11	-0.26526	0.259	0.452	8.12E-07 Oligo	MPLKIP
CROT. 6	5.45E-11	-0.32999	0.026	0.136	8.15E-07 Oligo	CROT
RP11-849I	5.50E-11	-0.31679	0.026	0.136	8.23E-07 Oligo	RP11-849I19.1
C12orf57. 5	5.54E-11	-0.27565	0.365	0.543	8.28E-07 Oligo	C12orf57
ICA1. 4	5.56E-11	-0.3222	0.014	0.117	8.32E-07 Oligo	ICA1
FGFR1. 5	5.75E-11	-0.21236	0.049	0.175	8.59E-07 Oligo	FGFR1
C19orf48. 5	5.79E-11	-0.23497	0.092	0.232	8.65E-07 Oligo	C19orf48
MZT2A. 6	5.80E-11	-0.21323	0.238	0.42	8.67E-07 Oligo	MZT2A
TSPAN12. 7	5.81E-11	-0.28908	0.019	0.124	8.68E-07 Oligo	TSPAN12
RP11-834C	5.88E-11	-0.38074	0.005	0.1	8.79E-07 Oligo	RP11-834C11.4
CLPP. 3	5.89E-11	-0.26072	0.235	0.404	8.80E-07 Oligo	CLPP
DENND3. 9	5.92E-11	-0.41647	0.007	0.104	8.84E-07 Oligo	DENND3
MPZL1. 4	5.99E-11	-0.2758	0.104	0.254	8.95E-07 Oligo	MPZL1
TMED5. 7	6.11E-11	-0.36279	0.155	0.312	9.13E-07 Oligo	TMED5
SNRPA. 3	6.20E-11	-0.28879	0.111	0.258	9.26E-07 Oligo	SNRPA
CPNE2. 8	6.30E-11	0.429233	0.278	0.174	9.41E-07 Oligo	CPNE2
BEND5. 7	6.30E-11	-0.26366	0.028	0.141	9.41E-07 Oligo	BEND5
EVL. 5	6.38E-11	-0.40969	0.205	0.357	9.53E-07 Oligo	EVL
SLC35E1. 2	6.38E-11	-0.24954	0.045	0.166	9.53E-07 Oligo	SLC35E1
IFI27. 4	6.42E-11	-0.52659	0.014	0.117	9.59E-07 Oligo	IFI27
PIK3R3. 7	6.42E-11	-0.33808	0.026	0.136	9.60E-07 Oligo	PIK3R3
NUSAP1. 8	6.43E-11	-0.42046	0.009	0.108	9.60E-07 Oligo	NUSAP1
UQCRC1. 5	6.52E-11	-0.25946	0.311	0.495	9.74E-07 Oligo	UQCRC1
TMEM119. 7	6.52E-11	-0.46631	0.009	0.109	9.75E-07 Oligo	TMEM119
FAM168A. 4	6.57E-11	0.406294	0.216	0.124	9.82E-07 Oligo	FAM168A
CERS1. 7	6.66E-11	0.458188	0.216	0.125	9.95E-07 Oligo	CERS1
MDH1. 4	6.66E-11	-0.12935	0.358	0.558	9.95E-07 Oligo	MDH1
SLC31A1. 7	6.86E-11	-0.32021	0.049	0.172	1.03E-06 Oligo	SLC31A1
SPPL2A. 9	6.86E-11	-0.24652	0.059	0.189	1.03E-06 Oligo	SPPL2A
B4GALT3. 5	7.03E-11	-0.24155	0.085	0.223	1.05E-06 Oligo	B4GALT3
MCC. 6	7.19E-11	-0.21667	0.019	0.125	1.07E-06 Oligo	MCC
LRP11. 1	7.28E-11	0.28531	0.111	0.045	1.09E-06 Oligo	LRP11
PLOD1. 4	7.29E-11	-0.27475	0.064	0.196	1.09E-06 Oligo	PLOD1
HLCS	7.34E-11	0.315274	0.12	0.051	1.10E-06 Oligo	HLCS
THAP9-AS1	7.34E-11	-0.28459	0.087	0.226	1.10E-06 Oligo	THAP9-AS1
GMPS. 4	7.38E-11	-0.2575	0.059	0.189	1.10E-06 Oligo	GMPS
HVCN1. 8	7.48E-11	-0.36465	0.005	0.1	1.12E-06 Oligo	HVCN1
DEAF1. 8	7.54E-11	-0.25902	0.08	0.217	1.13E-06 Oligo	DEAF1
FKBP9. 7	7.55E-11	-0.26479	0.056	0.181	1.13E-06 Oligo	FKBP9
ORC4. 8	7.67E-11	-0.25137	0.099	0.24	1.15E-06 Oligo	ORC4
POLR3K. 3	7.68E-11	-0.32949	0.089	0.226	1.15E-06 Oligo	POLR3K
HS3ST1. 8	7.71E-11	-0.38029	0	0.091	1.15E-06 Oligo	HS3ST1
TEX30. 5	7.71E-11	-0.19021	0.047	0.17	1.15E-06 Oligo	TEX30

ASNA1.6	7.90E-11	-0.18113	0.344	0.526	1.18E-06	Oligo	ASNA1
PRPF4.1	7.93E-11	-0.25343	0.052	0.178	1.18E-06	Oligo	PRPF4
KIF5C.9	7.94E-11	0.362568	0.374	0.264	1.19E-06	Oligo	KIF5C
GALM.8	8.09E-11	-0.33184	0.021	0.129	1.21E-06	Oligo	GALM
CERS4.7	8.22E-11	0.493638	0.292	0.196	1.23E-06	Oligo	CERS4
TMEM208.4	8.30E-11	-0.15408	0.285	0.474	1.24E-06	Oligo	TMEM208
RP11-544D	8.48E-11	0.149133	0.019	0.002	1.27E-06	Oligo	RP11-544D21.2
ARL9.8	8.50E-11	-0.22872	0.009	0.108	1.27E-06	Oligo	ARL9
NFIB.9	8.56E-11	-0.42646	0.233	0.383	1.28E-06	Oligo	NFIB
C4orf32.1	8.60E-11	0.126828	0.056	0.015	1.29E-06	Oligo	C4orf32
SERF2.5	8.65E-11	0.201782	0.904	0.895	1.29E-06	Oligo	SERF2
EMC9.3	8.69E-11	-0.23873	0.056	0.182	1.30E-06	Oligo	EMC9
SPRED2.4	8.72E-11	-0.20583	0.014	0.117	1.30E-06	Oligo	SPRED2
SLC25A27	8.78E-11	0.276543	0.049	0.012	1.31E-06	Oligo	SLC25A27
SKAP2.7	8.79E-11	-0.45937	0.141	0.275	1.31E-06	Oligo	SKAP2
ZNF503.2	8.94E-11	-0.30038	0.009	0.107	1.34E-06	Oligo	ZNF503
BCAM.7	8.94E-11	-0.20132	0.012	0.113	1.34E-06	Oligo	BCAM
GNL2.3	9.01E-11	-0.24281	0.078	0.211	1.35E-06	Oligo	GNL2
THSD7A.8	9.16E-11	-0.4082	0.035	0.147	1.37E-06	Oligo	THSD7A
DEF6.9	9.22E-11	-0.36547	0.002	0.094	1.38E-06	Oligo	DEF6
KIAA0226L	9.31E-11	-0.3409	0.005	0.099	1.39E-06	Oligo	KIAA0226L
SERPINB6	9.36E-11	-0.32209	0.311	0.484	1.40E-06	Oligo	SERPINB6
ALDH7A1.4	9.39E-11	-0.24424	0.127	0.281	1.40E-06	Oligo	ALDH7A1
RMND5A.4	9.41E-11	0.463481	0.214	0.119	1.41E-06	Oligo	RMND5A
PAFAH1B2	9.41E-11	0.44869	0.414	0.322	1.41E-06	Oligo	PAFAH1B2
SBNO1.6	9.46E-11	-0.19781	0.118	0.271	1.41E-06	Oligo	SBNO1
SRP68.3	9.52E-11	-0.23769	0.092	0.235	1.42E-06	Oligo	SRP68
MAGOHB.6	9.65E-11	-0.22414	0.099	0.243	1.44E-06	Oligo	MAGOHB
AES.8	9.70E-11	-0.23754	0.238	0.417	1.45E-06	Oligo	AES
EML4.3	9.75E-11	-0.26999	0.066	0.195	1.46E-06	Oligo	EML4
ATP5E.6	9.80E-11	0.179783	0.892	0.915	1.47E-06	Oligo	ATP5E
FKBP11.4	9.82E-11	-0.28081	0.016	0.12	1.47E-06	Oligo	FKBP11
PARVB.9	9.86E-11	-0.31734	0.049	0.168	1.47E-06	Oligo	PARVB
EIF2AK1.6	9.88E-11	-0.23321	0.169	0.338	1.48E-06	Oligo	EIF2AK1
SETD5.9	1.00E-10	-0.23267	0.139	0.294	1.49E-06	Oligo	SETD5
KLHL21.1	1.00E-10	0.247021	0.129	0.057	1.50E-06	Oligo	KLHL21
SNRPD3.7	1.02E-10	-0.27516	0.245	0.42	1.52E-06	Oligo	SNRPD3
TMEM9.9	1.02E-10	-0.20294	0.2	0.373	1.53E-06	Oligo	TMEM9
DLX1.9	1.04E-10	-0.37199	0.016	0.118	1.55E-06	Oligo	DLX1
PPCS.6	1.05E-10	-0.29097	0.169	0.326	1.57E-06	Oligo	PPCS
GMNN.8	1.06E-10	-0.31767	0.056	0.181	1.58E-06	Oligo	GMNN
TAOK3.3	1.06E-10	-0.14141	0.209	0.393	1.59E-06	Oligo	TAOK3
RNF145.4	1.07E-10	-0.23295	0.212	0.383	1.59E-06	Oligo	RNF145
MAOB.7	1.08E-10	-0.38877	0.007	0.102	1.62E-06	Oligo	MAOB
NHSL1.3	1.09E-10	-0.27429	0.009	0.107	1.63E-06	Oligo	NHSL1
TEX2.2	1.10E-10	0.313615	0.151	0.073	1.65E-06	Oligo	TEX2
EMP2.3	1.11E-10	-0.34519	0.012	0.112	1.65E-06	Oligo	EMP2
PARP9.4	1.11E-10	-0.31208	0.052	0.174	1.65E-06	Oligo	PARP9
ARMCX6.1	1.14E-10	-0.27111	0.104	0.247	1.70E-06	Oligo	ARMCX6
GALE.2	1.14E-10	-0.23589	0.042	0.16	1.71E-06	Oligo	GALE
THBD.8	1.16E-10	-0.42255	0.005	0.098	1.74E-06	Oligo	THBD



RBCK1. 3	1. 16E-10	-0. 23164	0. 179	0. 343	1. 74E-06 Oligo	RBCK1
HSPA14. 2	1. 17E-10	-0. 26051	0. 033	0. 146	1. 75E-06 Oligo	HSPA14
CAMK1D. 7	1. 17E-10	-0. 2799	0. 014	0. 115	1. 75E-06 Oligo	CAMK1D
COR01B. 8	1. 17E-10	-0. 31161	0. 2	0. 367	1. 75E-06 Oligo	COR01B
CENPK. 7	1. 18E-10	-0. 25404	0. 007	0. 103	1. 76E-06 Oligo	CENPK
WWC3. 2	1. 21E-10	0. 269053	0. 111	0. 045	1. 80E-06 Oligo	WWC3
KMT2E. 7	1. 21E-10	-0. 26123	0. 374	0. 543	1. 81E-06 Oligo	KMT2E
PRRT2. 7	1. 22E-10	-0. 21018	0. 002	0. 094	1. 83E-06 Oligo	PRRT2
DSN1. 4	1. 24E-10	-0. 20819	0. 007	0. 103	1. 85E-06 Oligo	DSN1
KLRC2. 8	1. 25E-10	-0. 36203	0. 014	0. 113	1. 86E-06 Oligo	KLRC2
PSMC4. 2	1. 25E-10	-0. 21097	0. 32	0. 501	1. 87E-06 Oligo	PSMC4
BCL2L12. 4	1. 28E-10	-0. 20458	0. 024	0. 131	1. 91E-06 Oligo	BCL2L12
HLA-DOA. 7	1. 29E-10	-0. 41067	0. 005	0. 097	1. 93E-06 Oligo	HLA-DOA
ANO6. 2	1. 30E-10	-0. 23787	0. 009	0. 106	1. 95E-06 Oligo	ANO6
STX10. 1	1. 31E-10	-0. 14639	0. 191	0. 362	1. 95E-06 Oligo	STX10
SYK. 9	1. 33E-10	-0. 37694	0. 012	0. 109	1. 98E-06 Oligo	SYK
HDAC5. 3	1. 33E-10	0. 3819	0. 266	0. 166	1. 98E-06 Oligo	HDAC5
MAP2K1. 8	1. 34E-10	-0. 27869	0. 127	0. 274	2. 01E-06 Oligo	MAP2K1
SRD5A1. 4	1. 35E-10	-0. 24507	0. 014	0. 114	2. 01E-06 Oligo	SRD5A1
CARD8. 8	1. 35E-10	-0. 38398	0. 04	0. 153	2. 02E-06 Oligo	CARD8
MARS. 3	1. 36E-10	-0. 16892	0. 078	0. 211	2. 04E-06 Oligo	MARS
ZNF330. 4	1. 37E-10	-0. 32814	0. 087	0. 221	2. 05E-06 Oligo	ZNF330
UPF3A. 8	1. 38E-10	-0. 25473	0. 184	0. 351	2. 06E-06 Oligo	UPF3A
TLK1. 6	1. 39E-10	-0. 25899	0. 094	0. 233	2. 07E-06 Oligo	TLK1
NSA2. 5	1. 39E-10	-0. 292	0. 231	0. 405	2. 07E-06 Oligo	NSA2
SLC4A3. 6	1. 40E-10	-0. 20891	0. 002	0. 093	2. 09E-06 Oligo	SLC4A3
INPP5F. 1	1. 40E-10	0. 284879	0. 111	0. 045	2. 10E-06 Oligo	INPP5F
SNX18. 5	1. 42E-10	0. 25303	0. 205	0. 11	2. 12E-06 Oligo	SNX18
NPTXR. 8	1. 44E-10	-0. 17096	0. 024	0. 131	2. 15E-06 Oligo	NPTXR
AHCY. 5	1. 44E-10	-0. 31034	0. 144	0. 3	2. 15E-06 Oligo	AHCY
DPF1. 8	1. 44E-10	-0. 276	0. 033	0. 144	2. 16E-06 Oligo	DPF1
EGR2. 6	1. 45E-10	-0. 38586	0. 071	0. 196	2. 16E-06 Oligo	EGR2
SLC37A4. 3	1. 45E-10	-0. 30372	0. 021	0. 125	2. 17E-06 Oligo	SLC37A4
FADS2. 6	1. 46E-10	-0. 26729	0. 031	0. 14	2. 18E-06 Oligo	FADS2
ARID4A. 4	1. 47E-10	-0. 29348	0. 132	0. 28	2. 19E-06 Oligo	ARID4A
CX3CR1. 8	1. 48E-10	-0. 46426	0. 009	0. 105	2. 21E-06 Oligo	CX3CR1
GSPT2. 7	1. 49E-10	-0. 24818	0. 038	0. 153	2. 23E-06 Oligo	GSPT2
AZI2. 4	1. 50E-10	-0. 29069	0. 153	0. 306	2. 25E-06 Oligo	AZI2
RPP40. 5	1. 51E-10	-0. 28316	0. 019	0. 122	2. 25E-06 Oligo	RPP40
FAM57A. 5	1. 55E-10	-0. 18299	0. 005	0. 098	2. 32E-06 Oligo	FAM57A
NAA50. 2	1. 56E-10	-0. 22482	0. 127	0. 277	2. 32E-06 Oligo	NAA50
VSTM4	1. 57E-10	0. 246141	0. 08	0. 028	2. 34E-06 Oligo	VSTM4
UBE2C. 9	1. 57E-10	-0. 44299	0. 019	0. 12	2. 35E-06 Oligo	UBE2C
APC2. 8	1. 58E-10	0. 384532	0. 242	0. 144	2. 36E-06 Oligo	APC2
NLK. 4	1. 58E-10	0. 295376	0. 151	0. 073	2. 36E-06 Oligo	NLK
UGCG. 3	1. 60E-10	-0. 30012	0. 045	0. 162	2. 39E-06 Oligo	UGCG
CTB-3102C	1. 61E-10	-0. 22453	0. 016	0. 118	2. 40E-06 Oligo	CTB-31020. 2
PSME1. 8	1. 64E-10	-0. 19426	0. 398	0. 59	2. 45E-06 Oligo	PSME1
TGFBR2. 8	1. 64E-10	-0. 34218	0. 019	0. 121	2. 45E-06 Oligo	TGFBR2
UNG. 6	1. 65E-10	-0. 27438	0. 021	0. 126	2. 46E-06 Oligo	UNG
TSPAN17. 3	1. 65E-10	-0. 22805	0. 038	0. 152	2. 46E-06 Oligo	TSPAN17

HPGDS. 8	1. 67E-10	-0. 44104	0. 002	0. 092	2. 49E-06	Oligo	HPGDS
SLC29A1. 8	1. 70E-10	-0. 41763	0. 033	0. 141	2. 55E-06	Oligo	SLC29A1
SPATS2. 7	1. 70E-10	-0. 20608	0. 113	0. 264	2. 55E-06	Oligo	SPATS2
ANXA5. 5	1. 72E-10	-0. 16758	0. 588	0. 732	2. 56E-06	Oligo	ANXA5
ZNF43. 7	1. 72E-10	-0. 21487	0. 031	0. 141	2. 56E-06	Oligo	ZNF43
PLA2G15. 8	1. 72E-10	-0. 27898	0. 033	0. 142	2. 57E-06	Oligo	PLA2G15
XRCC6. 2	1. 72E-10	-0. 12828	0. 367	0. 564	2. 57E-06	Oligo	XRCC6
CTA-29F11	1. 73E-10	-0. 31023	0. 075	0. 205	2. 58E-06	Oligo	CTA-29F11. 1
BRI3. 4	1. 73E-10	-0. 30372	0. 308	0. 474	2. 58E-06	Oligo	BRI3
REV3L. 6	1. 73E-10	-0. 19149	0. 078	0. 214	2. 59E-06	Oligo	REV3L
ARFGAP3. 2	1. 78E-10	-0. 27275	0. 094	0. 234	2. 66E-06	Oligo	ARFGAP3
NUMA1. 2	1. 79E-10	0. 50804	0. 266	0. 166	2. 67E-06	Oligo	NUMA1
SHC1. 3	1. 79E-10	-0. 24172	0. 026	0. 133	2. 68E-06	Oligo	SHC1
PSMD8. 4	1. 80E-10	-0. 21152	0. 501	0. 68	2. 68E-06	Oligo	PSMD8
RALGPS1. 5	1. 82E-10	0. 321441	0. 12	0. 051	2. 72E-06	Oligo	RALGPS1
CYTH4. 9	1. 82E-10	-0. 43141	0. 016	0. 116	2. 72E-06	Oligo	CYTH4
PSRC1. 6	1. 87E-10	0. 52882	0. 367	0. 26	2. 79E-06	Oligo	PSRC1
STARD3NL. 1.	1. 87E-10	-0. 23019	0. 228	0. 404	2. 80E-06	Oligo	STARD3NL
ATXN1. 4	1. 93E-10	0. 419809	0. 259	0. 159	2. 89E-06	Oligo	ATXN1
CDK1. 7	1. 94E-10	-0. 36886	0. 007	0. 1	2. 90E-06	Oligo	CDK1
KIF9. 8	1. 95E-10	-0. 28847	0. 056	0. 179	2. 91E-06	Oligo	KIF9
SP110. 7	1. 95E-10	-0. 34911	0. 075	0. 202	2. 92E-06	Oligo	SP110
NUDT1. 3	1. 97E-10	-0. 29567	0. 198	0. 356	2. 94E-06	Oligo	NUDT1
FBXO17. 9	1. 97E-10	-0. 25151	0. 035	0. 148	2. 95E-06	Oligo	FBXO17
TIPARP. 6	1. 99E-10	-0. 35503	0. 054	0. 173	2. 97E-06	Oligo	TIPARP
PRDX3. 7	2. 00E-10	-0. 2291	0. 292	0. 473	2. 98E-06	Oligo	PRDX3
WIPF3. 8	2. 00E-10	-0. 27595	0. 005	0. 096	2. 99E-06	Oligo	WIPF3
ANXA4. 7	2. 00E-10	-0. 25445	0. 071	0. 199	2. 99E-06	Oligo	ANXA4
APPBP2. 6	2. 02E-10	0. 491664	0. 299	0. 206	3. 03E-06	Oligo	APPBP2
NDUFB1. 5	2. 03E-10	0. 233631	0. 64	0. 592	3. 03E-06	Oligo	NDUFB1
PPP1R2. 3	2. 04E-10	-0. 25438	0. 205	0. 374	3. 05E-06	Oligo	PPP1R2
TIMP4. 7	2. 05E-10	-0. 43188	0. 009	0. 104	3. 06E-06	Oligo	TIMP4
KYNU. 9	2. 06E-10	-0. 38578	0	0. 087	3. 07E-06	Oligo	KYNU
SRM. 7	2. 08E-10	-0. 20602	0. 202	0. 371	3. 10E-06	Oligo	SRM
SLC25A22. 2.	2. 08E-10	-0. 22654	0. 016	0. 117	3. 11E-06	Oligo	SLC25A22
PTRH1. 3	2. 08E-10	-0. 22967	0. 064	0. 191	3. 12E-06	Oligo	PTRH1
ANAPC10. 3	2. 12E-10	-0. 20256	0. 056	0. 181	3. 17E-06	Oligo	ANAPC10
ANG. 6	2. 15E-10	-0. 37517	0	0. 087	3. 22E-06	Oligo	ANG
CPPED1. 9	2. 16E-10	0. 27806	0. 144	0. 065	3. 22E-06	Oligo	CPPED1
PPP2R1A. 6	2. 16E-10	-0. 2133	0. 339	0. 522	3. 24E-06	Oligo	PPP2R1A
USMG5. 7	2. 19E-10	0. 320626	0. 656	0. 619	3. 27E-06	Oligo	USMG5
ELK3. 5	2. 21E-10	-0. 24914	0. 002	0. 092	3. 31E-06	Oligo	ELK3
PRDX5. 6	2. 26E-10	-0. 16629	0. 581	0. 748	3. 38E-06	Oligo	PRDX5
C4orf3. 5	2. 30E-10	-0. 17838	0. 471	0. 653	3. 44E-06	Oligo	C4orf3
PTPN9. 2	2. 34E-10	-0. 23795	0. 024	0. 128	3. 50E-06	Oligo	PTPN9
NAAA. 9	2. 37E-10	-0. 22631	0. 028	0. 138	3. 54E-06	Oligo	NAAA
RSAD1. 5	2. 37E-10	-0. 21172	0. 038	0. 152	3. 54E-06	Oligo	RSAD1
INTS12. 6	2. 39E-10	-0. 32676	0. 052	0. 169	3. 57E-06	Oligo	INTS12
ZRSR2. 2	2. 40E-10	-0. 29812	0. 024	0. 128	3. 58E-06	Oligo	ZRSR2
POLE3. 2	2. 43E-10	-0. 15401	0. 108	0. 252	3. 63E-06	Oligo	POLE3
MIF. 6	2. 45E-10	0. 183879	0. 656	0. 671	3. 66E-06	Oligo	MIF

CEBPZ. 6	2.48E-10	-0.26007	0.129	0.277	3.71E-06	Oligo	CEBPZ
ATG2B	2.49E-10	0.225887	0.094	0.036	3.72E-06	Oligo	ATG2B
DENND1B. 5	2.49E-10	-0.26396	0.005	0.095	3.73E-06	Oligo	DENND1B
RUFY1. 4	2.58E-10	-0.26438	0.042	0.157	3.85E-06	Oligo	RUFY1
TBPL1. 4	2.59E-10	-0.27797	0.087	0.222	3.88E-06	Oligo	TBPL1
SLC35A5. 4	2.63E-10	0.355706	0.285	0.183	3.93E-06	Oligo	SLC35A5
POPDC3	2.64E-10	0.324803	0.071	0.023	3.94E-06	Oligo	POPDC3
CDKN3. 8	2.64E-10	-0.32322	0.005	0.095	3.95E-06	Oligo	CDKN3
IMMP2L. 7	2.66E-10	-0.26214	0.038	0.148	3.98E-06	Oligo	IMMP2L
SYS1. 2	2.67E-10	-0.29962	0.106	0.246	3.99E-06	Oligo	SYS1
GNG4. 8	2.70E-10	-0.25451	0.019	0.12	4.04E-06	Oligo	GNG4
JUP. 1	2.71E-10	0.16104	0.078	0.026	4.06E-06	Oligo	JUP
NDUFB2. 4	2.73E-10	0.238554	0.802	0.809	4.08E-06	Oligo	NDUFB2
RIOK1. 3	2.77E-10	-0.20379	0.045	0.16	4.13E-06	Oligo	RIOK1
TP53RK. 4	2.77E-10	-0.24811	0.068	0.195	4.14E-06	Oligo	TP53RK
SDC4. 4	2.81E-10	-0.2914	0.007	0.099	4.20E-06	Oligo	SDC4
FIBP. 5	2.83E-10	-0.20571	0.308	0.489	4.23E-06	Oligo	FIBP
PNP. 6	2.83E-10	-0.37283	0.012	0.106	4.23E-06	Oligo	PNP
PPIL3. 2	2.85E-10	-0.25824	0.087	0.218	4.25E-06	Oligo	PPIL3
METTL5. 3	2.85E-10	-0.25251	0.202	0.366	4.26E-06	Oligo	METTL5
USP3. 6	2.86E-10	-0.2913	0.052	0.17	4.28E-06	Oligo	USP3
KCTD19	2.88E-10	0.191162	0.021	0.003	4.30E-06	Oligo	KCTD19
PHTF1. 4	2.90E-10	-0.21471	0.021	0.124	4.33E-06	Oligo	PHTF1
TMEM59. 3	2.93E-10	0.274967	0.765	0.786	4.37E-06	Oligo	TMEM59
SERPINE1. 2	2.93E-10	-0.44377	0.009	0.104	4.38E-06	Oligo	SERPINE1
C11orf71. 2	2.93E-10	0.415569	0.096	0.037	4.38E-06	Oligo	C11orf71
C17orf89. 2	2.94E-10	-0.30816	0.273	0.427	4.39E-06	Oligo	C17orf89
FRMD4A. 8	2.94E-10	-0.40945	0.071	0.192	4.40E-06	Oligo	FRMD4A
THOC3. 3	2.97E-10	-0.27964	0.056	0.174	4.44E-06	Oligo	THOC3
SLC30A4	2.98E-10	0.193451	0.085	0.031	4.46E-06	Oligo	SLC30A4
FBXW7. 6	3.06E-10	-0.19785	0.026	0.131	4.58E-06	Oligo	FBXW7
ST6GAL1. 7	3.06E-10	-0.38692	0.016	0.114	4.58E-06	Oligo	ST6GAL1
NARF. 5	3.15E-10	-0.17243	0.169	0.335	4.70E-06	Oligo	NARF
ST8SIA1. 6	3.16E-10	-0.19855	0.005	0.095	4.72E-06	Oligo	ST8SIA1
RCS1. 8	3.18E-10	-0.37008	0.021	0.123	4.75E-06	Oligo	RCS1
ANGEL1	3.21E-10	0.205425	0.104	0.041	4.80E-06	Oligo	ANGEL1
MAN1B1. 2	3.24E-10	-0.2252	0.089	0.227	4.84E-06	Oligo	MAN1B1
GATM. 5	3.26E-10	0.353791	0.461	0.348	4.88E-06	Oligo	GATM
PDE6B. 1	3.27E-10	0.322077	0.115	0.049	4.88E-06	Oligo	PDE6B
RNF135. 9	3.28E-10	-0.31009	0.016	0.114	4.90E-06	Oligo	RNF135
ZNF217. 2	3.31E-10	-0.19693	0.002	0.09	4.94E-06	Oligo	ZNF217
MED10. 8	3.35E-10	-0.20322	0.306	0.49	5.00E-06	Oligo	MED10
TMEM248. 3	3.39E-10	-0.26768	0.146	0.301	5.06E-06	Oligo	TMEM248
WDR43. 3	3.41E-10	-0.24071	0.071	0.199	5.09E-06	Oligo	WDR43
ZCCHC9. 1	3.45E-10	-0.24343	0.045	0.159	5.16E-06	Oligo	ZCCHC9
LAMB2. 4	3.46E-10	-0.22861	0.007	0.099	5.17E-06	Oligo	LAMB2
CENPW. 5	3.47E-10	-0.32334	0.021	0.121	5.19E-06	Oligo	CENPW
MFS10. 4	3.47E-10	-0.26418	0.153	0.307	5.19E-06	Oligo	MFS10
PLAT. 6	3.48E-10	-0.26866	0.021	0.123	5.21E-06	Oligo	PLAT
SEZ6. 9	3.49E-10	-0.32366	0.035	0.143	5.22E-06	Oligo	SEZ6
C14orf142	3.55E-10	-0.22746	0.04	0.154	5.31E-06	Oligo	C14orf142

TNFAIP8L2	3.57E-10	-0.37768	0.007	0.098	5.34E-06	Oligo	TNFAIP8L2
SNAPC2	3.60E-10	-0.24275	0.078	0.208	5.39E-06	Oligo	SNAPC2
IL17RC	3.61E-10	-0.13988	0.019	0.12	5.39E-06	Oligo	IL17RC
MOAP1	3.63E-10	-0.27773	0.092	0.222	5.42E-06	Oligo	MOAP1
MFSD2A	3.63E-10	-0.27137	0.009	0.102	5.43E-06	Oligo	MFSD2A
HSPBP1	3.65E-10	-0.19398	0.136	0.293	5.45E-06	Oligo	HSPBP1
NFKBIZ	3.76E-10	-0.31154	0.059	0.179	5.62E-06	Oligo	NFKBIZ
USP4	3.77E-10	-0.25961	0.059	0.179	5.64E-06	Oligo	USP4
ARPC4	3.79E-10	-0.19285	0.346	0.52	5.67E-06	Oligo	ARPC4
CCR1	3.80E-10	-0.36298	0	0.085	5.67E-06	Oligo	CCR1
SLC39A14	3.80E-10	-0.23384	0.007	0.098	5.68E-06	Oligo	SLC39A14
BTK	3.80E-10	-0.36412	0.002	0.089	5.68E-06	Oligo	BTK
VCL	3.83E-10	-0.21498	0.009	0.102	5.73E-06	Oligo	VCL
GHITM	3.84E-10	-0.15899	0.341	0.53	5.73E-06	Oligo	GHITM
RNF144B	3.84E-10	-0.42228	0.009	0.102	5.73E-06	Oligo	RNF144B
CDC14B	3.87E-10	0.28561	0.132	0.06	5.79E-06	Oligo	CDC14B
ARHGEF3	4.00E-10	-0.26141	0.014	0.11	5.97E-06	Oligo	ARHGEF3
RDH10	4.04E-10	-0.27021	0.002	0.089	6.04E-06	Oligo	RDH10
SMG5	4.09E-10	0.341961	0.165	0.084	6.11E-06	Oligo	SMG5
ZDHHC17	4.13E-10	0.369799	0.188	0.102	6.18E-06	Oligo	ZDHHC17
LPIN2	4.19E-10	-0.27759	0.042	0.153	6.26E-06	Oligo	LPIN2
UBXN11	4.19E-10	-0.30791	0.033	0.14	6.26E-06	Oligo	UBXN11
NMD3	4.23E-10	-0.23901	0.089	0.22	6.32E-06	Oligo	NMD3
DCP1A	4.24E-10	-0.27136	0.096	0.232	6.33E-06	Oligo	DCP1A
NABP1	4.24E-10	-0.40685	0.026	0.128	6.33E-06	Oligo	NABP1
SNHG9	4.32E-10	0.446274	0.398	0.301	6.46E-06	Oligo	SNHG9
IMP4	4.35E-10	-0.17474	0.195	0.365	6.50E-06	Oligo	IMP4
FBLN1	4.48E-10	-0.3314	0.002	0.088	6.69E-06	Oligo	FBLN1
RANBP3	4.49E-10	-0.20246	0.092	0.227	6.71E-06	Oligo	RANBP3
POLR2J	4.50E-10	-0.19235	0.487	0.649	6.72E-06	Oligo	POLR2J
FSTL1	4.52E-10	-0.21509	0.019	0.117	6.75E-06	Oligo	FSTL1
BEX2	4.54E-10	0.367692	0.386	0.252	6.79E-06	Oligo	BEX2
MGP	4.56E-10	-0.92505	0.014	0.107	6.81E-06	Oligo	MGP
HNRNPC	4.62E-10	-0.20069	0.534	0.699	6.90E-06	Oligo	HNRNPC
RP9	4.65E-10	-0.26938	0.064	0.183	6.94E-06	Oligo	RP9
ELF1	4.66E-10	-0.39241	0.118	0.249	6.97E-06	Oligo	ELF1
C14orf166	4.71E-10	-0.20351	0.414	0.591	7.04E-06	Oligo	C14orf166
ST3GAL1	4.76E-10	-0.28016	0.012	0.106	7.11E-06	Oligo	ST3GAL1
VMP1	4.80E-10	-0.2015	0.299	0.478	7.17E-06	Oligo	VMP1
GNA11	4.80E-10	0.286465	0.188	0.103	7.18E-06	Oligo	GNA11
ROCK1	4.85E-10	-0.26103	0.16	0.314	7.25E-06	Oligo	ROCK1
RAD50	4.85E-10	-0.2448	0.125	0.271	7.25E-06	Oligo	RAD50
GSS	4.88E-10	-0.24217	0.106	0.245	7.29E-06	Oligo	GSS
GEMIN7	4.88E-10	-0.17608	0.047	0.164	7.29E-06	Oligo	GEMIN7
C10orf11	4.90E-10	-0.34269	0.012	0.104	7.32E-06	Oligo	C10orf11
TEAD2	4.95E-10	-0.17378	0.005	0.093	7.39E-06	Oligo	TEAD2
BMPR2	4.97E-10	-0.25029	0.061	0.182	7.42E-06	Oligo	BMPR2
HOXA7	5.08E-10	-0.31858	0.012	0.105	7.59E-06	Oligo	HOXA7
TSKU	5.14E-10	-0.17801	0.002	0.088	7.69E-06	Oligo	TSKU
MARCH5	5.18E-10	-0.29419	0.073	0.196	7.74E-06	Oligo	5-Mar
CELF4	5.20E-10	-0.35849	0.007	0.096	7.76E-06	Oligo	CELF4

NHP2. 6	5. 22E-10	-0. 13157	0. 405	0. 586	7. 80E-06	Oligo	NHP2
ATP6VOE1.	5. 23E-10	-0. 1374	0. 609	0. 766	7. 81E-06	Oligo	ATP6VOE1
TAF15. 6	5. 24E-10	-0. 23688	0. 132	0. 279	7. 84E-06	Oligo	TAF15
LIMK1. 2	5. 25E-10	-0. 18255	0. 033	0. 142	7. 84E-06	Oligo	LIMK1
TOR3A. 4	5. 26E-10	-0. 22054	0. 085	0. 215	7. 86E-06	Oligo	TOR3A
AC144652.	5. 27E-10	0. 199442	0. 047	0. 012	7. 87E-06	Oligo	AC144652. 1
LAMB1. 5	5. 42E-10	-0. 21042	0. 012	0. 105	8. 10E-06	Oligo	LAMB1
SLC30A1. 3	5. 54E-10	-0. 21623	0. 005	0. 092	8. 29E-06	Oligo	SLC30A1
ATP6AP1. 7	5. 68E-10	-0. 20209	0. 325	0. 499	8. 49E-06	Oligo	ATP6AP1
CADM3. 7	5. 73E-10	-0. 42459	0. 012	0. 104	8. 56E-06	Oligo	CADM3
XPR1. 5	5. 79E-10	-0. 18183	0. 026	0. 129	8. 65E-06	Oligo	XPR1
HK2. 6	5. 79E-10	-0. 27434	0. 002	0. 088	8. 66E-06	Oligo	HK2
FBX09. 4	5. 82E-10	-0. 19283	0. 08	0. 211	8. 69E-06	Oligo	FBX09
MUS81. 4	5. 98E-10	-0. 24513	0. 059	0. 178	8. 93E-06	Oligo	MUS81
AKIP1. 3	6. 03E-10	-0. 24844	0. 146	0. 292	9. 01E-06	Oligo	AKIP1
UPF3B. 6	6. 12E-10	-0. 17549	0. 113	0. 256	9. 15E-06	Oligo	UPF3B
SLC35F5. 3	6. 14E-10	-0. 23357	0. 035	0. 143	9. 18E-06	Oligo	SLC35F5
CACNB4. 4	6. 18E-10	-0. 2293	0. 005	0. 092	9. 23E-06	Oligo	CACNB4
MYCBP. 5	6. 31E-10	-0. 26277	0. 007	0. 096	9. 43E-06	Oligo	MYCBP
FAM57B. 8	6. 32E-10	-0. 27836	0. 007	0. 095	9. 44E-06	Oligo	FAM57B
SOX5. 7	6. 40E-10	-0. 22621	0. 005	0. 092	9. 56E-06	Oligo	SOX5
LRRC25. 9	6. 46E-10	-0. 37335	0. 007	0. 095	9. 66E-06	Oligo	LRRC25
DNM2. 6	6. 47E-10	0. 403704	0. 341	0. 239	9. 67E-06	Oligo	DNM2
GPSM2. 7	6. 55E-10	0. 370268	0. 273	0. 173	9. 79E-06	Oligo	GPSM2
COL16A1. 7	6. 60E-10	0. 341449	0. 146	0. 071	9. 86E-06	Oligo	COL16A1
LETMD1	6. 74E-10	-0. 31117	0. 052	0. 165	1. 01E-05	Oligo	LETMD1
ELAC2. 1	6. 81E-10	-0. 23488	0. 045	0. 157	1. 02E-05	Oligo	ELAC2
PCSK1N. 8	6. 86E-10	-0. 36674	0. 301	0. 425	1. 02E-05	Oligo	PCSK1N
CCNG1. 4	7. 12E-10	-0. 3047	0. 134	0. 275	1. 06E-05	Oligo	CCNG1
NOL11. 6	7. 33E-10	-0. 27928	0. 071	0. 193	1. 09E-05	Oligo	NOL11
C17orf58.	7. 44E-10	-0. 21022	0. 066	0. 19	1. 11E-05	Oligo	C17orf58
LEPROT. 2	7. 48E-10	-0. 20868	0. 228	0. 397	1. 12E-05	Oligo	LEPROT
ZNF880. 4	7. 58E-10	-0. 17982	0. 04	0. 149	1. 13E-05	Oligo	ZNF880
ICT1. 3	7. 65E-10	-0. 19211	0. 104	0. 241	1. 14E-05	Oligo	ICT1
SLC35G2. 8	7. 71E-10	-0. 23399	0. 021	0. 121	1. 15E-05	Oligo	SLC35G2
ITGAX. 8	7. 86E-10	-0. 41086	0. 007	0. 094	1. 17E-05	Oligo	ITGAX
SRP14. 3	7. 87E-10	0. 262492	0. 849	0. 867	1. 18E-05	Oligo	SRP14
SSU72	7. 95E-10	-0. 2162	0. 339	0. 515	1. 19E-05	Oligo	SSU72
BZW1. 5	8. 15E-10	-0. 25764	0. 372	0. 544	1. 22E-05	Oligo	BZW1
CBLN4. 9	8. 19E-10	-0. 24073	0	0. 082	1. 22E-05	Oligo	CBLN4
MRAS. 6	8. 20E-10	-0. 17295	0. 054	0. 172	1. 23E-05	Oligo	MRAS
SIVA1. 5	8. 22E-10	-0. 1943	0. 318	0. 492	1. 23E-05	Oligo	SIVA1
TEX264. 3	8. 39E-10	-0. 10626	0. 226	0. 402	1. 25E-05	Oligo	TEX264
SUPT20H. 5	8. 39E-10	-0. 23604	0. 082	0. 212	1. 25E-05	Oligo	SUPT20H
FAM212B. 7	8. 49E-10	-0. 25681	0. 012	0. 102	1. 27E-05	Oligo	FAM212B
KCTD5. 4	8. 50E-10	-0. 25992	0. 085	0. 212	1. 27E-05	Oligo	KCTD5
PDGFD. 7	8. 56E-10	-0. 16174	0	0. 082	1. 28E-05	Oligo	PDGFD
TNIP1. 4	8. 62E-10	-0. 27299	0. 085	0. 213	1. 29E-05	Oligo	TNIP1
VIM-AS1. 3	8. 76E-10	-0. 25635	0. 019	0. 115	1. 31E-05	Oligo	VIM-AS1
COMMD8. 8	8. 86E-10	-0. 30308	0. 101	0. 229	1. 32E-05	Oligo	COMMD8
FTCDNL1	8. 90E-10	0. 160046	0. 073	0. 025	1. 33E-05	Oligo	FTCDNL1

ABT1. 2	8. 91E-10	-0. 1004	0. 087	0. 221	1. 33E-05	Oligo	ABT1
HDAC10. 4	8. 93E-10	-0. 25095	0. 016	0. 111	1. 33E-05	Oligo	HDAC10
PRKD3. 3	8. 94E-10	-0. 18394	0. 04	0. 151	1. 34E-05	Oligo	PRKD3
SEC13. 3	9. 14E-10	-0. 21618	0. 207	0. 374	1. 37E-05	Oligo	SEC13
FNIP1. 2	9. 43E-10	0. 340717	0. 186	0. 101	1. 41E-05	Oligo	FNIP1
SLC35C2. 3	9. 56E-10	-0. 11857	0. 115	0. 258	1. 43E-05	Oligo	SLC35C2
TMEM67. 6	9. 58E-10	-0. 22601	0. 009	0. 098	1. 43E-05	Oligo	TMEM67
TMEM161A. 9	9. 65E-10	-0. 22676	0. 056	0. 175	1. 44E-05	Oligo	TMEM161A
FAM96A. 7	9. 81E-10	-0. 15906	0. 2	0. 362	1. 47E-05	Oligo	FAM96A
FTSJ2. 5	9. 83E-10	-0. 29642	0. 106	0. 242	1. 47E-05	Oligo	FTSJ2
CCDC122	9. 85E-10	0. 166145	0. 064	0. 02	1. 47E-05	Oligo	CCDC122
MGME1. 3	9. 89E-10	-0. 22642	0. 042	0. 151	1. 48E-05	Oligo	MGME1
NOC2L. 7	9. 93E-10	-0. 20055	0. 16	0. 318	1. 48E-05	Oligo	NOC2L
ARHGAP30. 9	9. 98E-10	-0. 36748	0. 009	0. 097	1. 49E-05	Oligo	ARHGAP30
ARHGAP9. 9	1. 01E-09	-0. 35037	0. 005	0. 089	1. 51E-05	Oligo	ARHGAP9
SMAP2. 8	1. 01E-09	-0. 35238	0. 113	0. 241	1. 51E-05	Oligo	SMAP2
NSRP1. 2	1. 02E-09	-0. 29096	0. 205	0. 362	1. 52E-05	Oligo	NSRP1
PNPLA8. 6	1. 02E-09	-0. 30856	0. 2	0. 353	1. 53E-05	Oligo	PNPLA8
CTD-2008L	1. 02E-09	0. 106887	0. 019	0. 002	1. 53E-05	Oligo	CTD-2008L17. 2
ETV4. 8	1. 03E-09	-0. 19297	0	0. 081	1. 53E-05	Oligo	ETV4
ZNF254. 6	1. 03E-09	-0. 23957	0. 038	0. 145	1. 54E-05	Oligo	ZNF254
HNMT. 8	1. 04E-09	-0. 49392	0. 106	0. 223	1. 55E-05	Oligo	HNMT
SUMF2. 2	1. 04E-09	-0. 18176	0. 191	0. 349	1. 56E-05	Oligo	SUMF2
MAFF. 7	1. 07E-09	-0. 28423	0. 059	0. 175	1. 59E-05	Oligo	MAFF
CCT7. 6	1. 07E-09	-0. 1476	0. 353	0. 536	1. 60E-05	Oligo	CCT7
H2AFY2. 3	1. 08E-09	-0. 18077	0. 014	0. 107	1. 61E-05	Oligo	H2AFY2
SULT1C2	1. 08E-09	0. 250091	0. 035	0. 008	1. 61E-05	Oligo	SULT1C2
ZER1	1. 08E-09	0. 234839	0. 089	0. 034	1. 62E-05	Oligo	ZER1
RPF1. 3	1. 09E-09	-0. 18944	0. 111	0. 25	1. 63E-05	Oligo	RPF1
MITF. 8	1. 09E-09	0. 298875	0. 176	0. 091	1. 63E-05	Oligo	MITF
XXYLT1. 7	1. 09E-09	-0. 20543	0. 028	0. 13	1. 63E-05	Oligo	XXYLT1
CCDC106. 9	1. 10E-09	-0. 25918	0. 104	0. 237	1. 65E-05	Oligo	CCDC106
PSMD4	1. 10E-09	-0. 21271	0. 374	0. 563	1. 65E-05	Oligo	PSMD4
MAD2L1. 7	1. 11E-09	-0. 31542	0. 031	0. 132	1. 67E-05	Oligo	MAD2L1
ABCC3. 4	1. 12E-09	-0. 27971	0. 012	0. 102	1. 67E-05	Oligo	ABCC3
CDK17. 5	1. 13E-09	0. 311863	0. 2	0. 113	1. 69E-05	Oligo	CDK17
BOC. 6	1. 14E-09	-0. 1745	0. 005	0. 09	1. 71E-05	Oligo	BOC
RNMTL1. 5	1. 14E-09	-0. 18596	0. 031	0. 133	1. 71E-05	Oligo	RNMTL1
DPP4. 6	1. 15E-09	-0. 17047	0	0. 081	1. 71E-05	Oligo	DPP4
SESTD1. 6	1. 15E-09	0. 322218	0. 252	0. 155	1. 72E-05	Oligo	SESTD1
CSNK1E. 8	1. 20E-09	0. 411105	0. 402	0. 303	1. 79E-05	Oligo	CSNK1E
F12. 7	1. 20E-09	-0. 17666	0	0. 08	1. 79E-05	Oligo	F12
KLHL13. 8	1. 21E-09	-0. 19298	0. 012	0. 102	1. 81E-05	Oligo	KLHL13
HSCB. 4	1. 21E-09	-0. 18195	0. 059	0. 176	1. 81E-05	Oligo	HSCB
MAPK3. 3	1. 21E-09	0. 327005	0. 304	0. 203	1. 81E-05	Oligo	MAPK3
FBXL12. 1	1. 22E-09	-0. 22951	0. 047	0. 158	1. 83E-05	Oligo	FBXL12
CORO1C. 5	1. 23E-09	-0. 25928	0. 219	0. 379	1. 84E-05	Oligo	CORO1C
ITSN1. 3	1. 24E-09	-0. 27593	0. 042	0. 15	1. 85E-05	Oligo	ITSN1
SAMD4B. 5	1. 24E-09	0. 425415	0. 313	0. 219	1. 85E-05	Oligo	SAMD4B
ZSCAN16-A	1. 25E-09	0. 49917	0. 346	0. 254	1. 86E-05	Oligo	ZSCAN16-AS1
HMG20B. 4	1. 26E-09	-0. 25115	0. 188	0. 342	1. 88E-05	Oligo	HMG20B

TMEM150A. 1.	2.6E-09	-0.27963	0.045	0.153	1.88E-05	Oligo	TMEM150A
ELMOD1. 6	1.27E-09	-0.15594	0.002	0.085	1.89E-05	Oligo	ELMOD1
KIF5B. 6	1.27E-09	-0.25145	0.351	0.518	1.90E-05	Oligo	KIF5B
AUP1. 6	1.29E-09	-0.13202	0.344	0.529	1.93E-05	Oligo	AUP1
TKT. 5	1.30E-09	-0.24529	0.341	0.515	1.95E-05	Oligo	TKT
KIAA1549. 1.	3.1E-09	-0.23534	0.009	0.097	1.96E-05	Oligo	KIAA1549
SAE1. 6	1.32E-09	-0.22279	0.134	0.278	1.98E-05	Oligo	SAE1
MYCBP2. 5	1.33E-09	-0.30487	0.167	0.31	1.99E-05	Oligo	MYCBP2
NUMB. 8	1.34E-09	-0.28126	0.059	0.175	2.01E-05	Oligo	NUMB
ZDHHC6. 4	1.35E-09	-0.17055	0.056	0.172	2.02E-05	Oligo	ZDHHC6
MYO1C. 3	1.35E-09	-0.20492	0.014	0.105	2.02E-05	Oligo	MYO1C
RFXANK. 4	1.38E-09	-0.17492	0.176	0.33	2.06E-05	Oligo	RFXANK
PAK1. 8	1.39E-09	-0.34801	0.061	0.174	2.08E-05	Oligo	PAK1
RNF2. 2	1.40E-09	-0.23309	0.042	0.151	2.09E-05	Oligo	RNF2
SEC61A2. 4	1.41E-09	0.274853	0.153	0.077	2.11E-05	Oligo	SEC61A2
MINK1. 4	1.42E-09	0.296378	0.186	0.101	2.12E-05	Oligo	MINK1
CHD3. 5	1.42E-09	-0.29161	0.024	0.119	2.12E-05	Oligo	CHD3
NDRG4. 9	1.42E-09	-0.2601	0.052	0.164	2.13E-05	Oligo	NDRG4
PRPSAP1. 8	1.43E-09	-0.17859	0.155	0.312	2.14E-05	Oligo	PRPSAP1
CPXM1. 8	1.43E-09	-0.23744	0.028	0.128	2.14E-05	Oligo	CPXM1
PSMB9. 7	1.47E-09	-0.36002	0.254	0.411	2.20E-05	Oligo	PSMB9
FAM162A. 7	1.49E-09	-0.32678	0.252	0.406	2.22E-05	Oligo	FAM162A
ESD. 3	1.49E-09	-0.22244	0.322	0.496	2.22E-05	Oligo	ESD
HDAC1. 4	1.49E-09	-0.11196	0.096	0.23	2.22E-05	Oligo	HDAC1
ZBTB38. 2	1.49E-09	0.388972	0.28	0.183	2.22E-05	Oligo	ZBTB38
SRSF1. 4	1.50E-09	-0.23129	0.231	0.403	2.24E-05	Oligo	SRSF1
RBM6. 4	1.51E-09	-0.26104	0.165	0.319	2.25E-05	Oligo	RBM6
ZNF703. 5	1.51E-09	-0.25318	0.012	0.101	2.26E-05	Oligo	ZNF703
UBXN4. 5	1.52E-09	-0.29617	0.379	0.551	2.27E-05	Oligo	UBXN4
RTN1. 5	1.52E-09	0.28441	0.235	0.14	2.27E-05	Oligo	RTN1
CLNS1A. 5	1.53E-09	-0.12637	0.311	0.498	2.29E-05	Oligo	CLNS1A
NDUF6. 7	1.55E-09	-0.23675	0.066	0.185	2.32E-05	Oligo	NDUF6
ELOF1. 6	1.56E-09	-0.25324	0.266	0.429	2.33E-05	Oligo	ELOF1
TMEM255A. 1.	5.7E-09	-0.18072	0.014	0.106	2.34E-05	Oligo	TMEM255A
HOXD11. 6	1.61E-09	-0.16428	0	0.079	2.40E-05	Oligo	HOXD11
MCM7. 8	1.61E-09	-0.19495	0.125	0.259	2.41E-05	Oligo	MCM7
ANKRD10. 1	1.63E-09	-0.27448	0.162	0.311	2.43E-05	Oligo	ANKRD10
THBS1. 7	1.63E-09	-0.44314	0.002	0.083	2.43E-05	Oligo	THBS1
ANAPC11. 6	1.63E-09	-0.11278	0.607	0.731	2.44E-05	Oligo	ANAPC11
CYTL1. 8	1.65E-09	-0.47307	0.021	0.114	2.47E-05	Oligo	CYTL1
ST13. 1	1.66E-09	0.311439	0.668	0.65	2.48E-05	Oligo	ST13
ANKRD12. 4	1.67E-09	0.37005	0.504	0.423	2.49E-05	Oligo	ANKRD12
NR2C2AP. 7	1.67E-09	-0.10338	0.054	0.17	2.50E-05	Oligo	NR2C2AP
PACSIN2. 8	1.67E-09	-0.17291	0.061	0.178	2.50E-05	Oligo	PACSIN2
TLCD1. 7	1.68E-09	-0.1563	0.002	0.084	2.50E-05	Oligo	TLCD1
DAXX. 3	1.69E-09	-0.20157	0.082	0.208	2.53E-05	Oligo	DAXX
NSMAF. 4	1.70E-09	-0.25816	0.024	0.12	2.54E-05	Oligo	NSMAF
EIF2AK4. 4	1.71E-09	-0.19832	0.066	0.186	2.55E-05	Oligo	EIF2AK4
PODXL2. 9	1.71E-09	-0.29538	0.172	0.313	2.56E-05	Oligo	PODXL2
CXorf21. 9	1.72E-09	-0.3703	0	0.079	2.57E-05	Oligo	CXorf21
SOCS6. 5	1.75E-09	-0.25451	0.106	0.234	2.62E-05	Oligo	SOCS6

KIAA1958.	1. 75E-09	0. 304857	0. 134	0. 065	2. 62E-05	Oligo	KIAA1958
C9orf116.	1. 76E-09	-0. 17419	0	0. 079	2. 63E-05	Oligo	C9orf116
PDGFRA.	8 1. 77E-09	-0. 2971	0. 045	0. 152	2. 65E-05	Oligo	PDGFRA
TMOD1.	7 1. 79E-09	-0. 35607	0. 052	0. 161	2. 68E-05	Oligo	TMOD1
NDUFAF4.	6 1. 80E-09	-0. 20891	0. 096	0. 226	2. 69E-05	Oligo	NDUFAF4
AKAP11.	5 1. 81E-09	0. 409733	0. 235	0. 147	2. 71E-05	Oligo	AKAP11
P2RY13.	7 1. 83E-09	-0. 43267	0. 005	0. 087	2. 73E-05	Oligo	P2RY13
C19orf66.	1. 83E-09	-0. 21722	0. 122	0. 261	2. 73E-05	Oligo	C19orf66
COMMD9.	5 1. 84E-09	-0. 16298	0. 162	0. 315	2. 76E-05	Oligo	COMMD9
SESN2.	6 1. 85E-09	-0. 28849	0. 016	0. 107	2. 77E-05	Oligo	SESN2
RP11-25K1	1. 88E-09	-0. 21493	0. 014	0. 104	2. 81E-05	Oligo	RP11-25K19. 1
TAF12.	3 1. 89E-09	-0. 28384	0. 167	0. 314	2. 83E-05	Oligo	TAF12
YIPF1.	1 1. 89E-09	-0. 27732	0. 066	0. 184	2. 83E-05	Oligo	YIPF1
SLC9A3R1.	1. 93E-09	0. 338135	0. 24	0. 147	2. 89E-05	Oligo	SLC9A3R1
P2RX4.	8 1. 98E-09	-0. 24769	0. 064	0. 181	2. 96E-05	Oligo	P2RX4
SYAP1.	8 1. 99E-09	-0. 23095	0. 233	0. 393	2. 98E-05	Oligo	SYAP1
PMAIP1.	8 2. 02E-09	-0. 44399	0. 005	0. 086	3. 02E-05	Oligo	PMAIP1
SERP2.	7 2. 03E-09	0. 307556	0. 184	0. 098	3. 04E-05	Oligo	SERP2
CCNG2.	7 2. 04E-09	-0. 29108	0. 071	0. 185	3. 04E-05	Oligo	CCNG2
PITX1.	7 2. 05E-09	-0. 14302	0. 005	0. 088	3. 07E-05	Oligo	PITX1
MR1.	7 2. 06E-09	-0. 26817	0. 007	0. 092	3. 08E-05	Oligo	MR1
PDIA4.	6 2. 06E-09	-0. 27111	0. 301	0. 467	3. 08E-05	Oligo	PDIA4
ABHD13.	1 2. 08E-09	-0. 22853	0. 038	0. 142	3. 10E-05	Oligo	ABHD13
ZNF593.	4 2. 09E-09	-0. 26385	0. 158	0. 307	3. 12E-05	Oligo	ZNF593
NME7.	9 2. 09E-09	-0. 28713	0. 054	0. 165	3. 13E-05	Oligo	NME7
SORBS1.	6 2. 10E-09	-0. 17207	0. 009	0. 096	3. 14E-05	Oligo	SORBS1
IAH1.	1 2. 11E-09	-0. 24944	0. 259	0. 427	3. 16E-05	Oligo	IAH1
MIOS.	3 2. 15E-09	-0. 26319	0. 028	0. 125	3. 22E-05	Oligo	MIOS
RNASEH1-A	2. 19E-09	-0. 20671	0. 064	0. 182	3. 27E-05	Oligo	RNASEH1-AS1
FES.	9 2. 20E-09	-0. 32786	0. 002	0. 082	3. 29E-05	Oligo	FES
REEP5.	7 2. 23E-09	-0. 2135	0. 412	0. 591	3. 33E-05	Oligo	REEP5
MESP1.	6 2. 23E-09	-0. 18862	0. 033	0. 135	3. 34E-05	Oligo	MESP1
CYB561.	5 2. 24E-09	-0. 19949	0. 002	0. 083	3. 34E-05	Oligo	CYB561
SPTY2D1.	2 2. 29E-09	-0. 25732	0. 026	0. 122	3. 42E-05	Oligo	SPTY2D1
CDK5.	6 2. 29E-09	-0. 17649	0. 111	0. 243	3. 42E-05	Oligo	CDK5
APBA1	2. 30E-09	0. 15133	0. 054	0. 016	3. 43E-05	Oligo	APBA1
TAPBPL.	5 2. 38E-09	-0. 32209	0. 028	0. 126	3. 56E-05	Oligo	TAPBPL
POP7.	7 2. 39E-09	-0. 11847	0. 233	0. 4	3. 56E-05	Oligo	POP7
CHGB.	6 2. 41E-09	-0. 29988	0. 007	0. 09	3. 60E-05	Oligo	CHGB
EFR3A.	7 2. 41E-09	-0. 18643	0. 04	0. 146	3. 60E-05	Oligo	EFR3A
FNTA.	3 2. 42E-09	0. 349136	0. 459	0. 383	3. 62E-05	Oligo	FNTA
FBXW9.	4 2. 45E-09	-0. 19603	0. 021	0. 115	3. 66E-05	Oligo	FBXW9
GBP3.	2 2. 45E-09	-0. 31497	0. 005	0. 086	3. 66E-05	Oligo	GBP3
GLCCI1.	8 2. 46E-09	-0. 34551	0. 049	0. 155	3. 68E-05	Oligo	GLCCI1
DNAJB11.	5 2. 46E-09	-0. 21679	0. 266	0. 44	3. 68E-05	Oligo	DNAJB11
TCN2.	5 2. 47E-09	-0. 31311	0. 014	0. 102	3. 69E-05	Oligo	TCN2
CYB5R4.	8 2. 48E-09	-0. 29852	0. 066	0. 18	3. 71E-05	Oligo	CYB5R4
RNASEH1.	5 2. 49E-09	-0. 16566	0. 104	0. 234	3. 71E-05	Oligo	RNASEH1
GRB2.	9 2. 50E-09	-0. 22033	0. 315	0. 487	3. 74E-05	Oligo	GRB2
AHR.	8 2. 52E-09	0. 17121	0. 132	0. 06	3. 76E-05	Oligo	AHR
SLC39A3.	6 2. 52E-09	-0. 27884	0. 193	0. 344	3. 77E-05	Oligo	SLC39A3



G6PD. 3	2. 52E-09	-0. 27749	0. 104	0. 233	3. 77E-05	Oligo	G6PD
MTHFD1. 5	2. 54E-09	-0. 26087	0. 073	0. 192	3. 79E-05	Oligo	MTHFD1
DDX21. 6	2. 54E-09	-0. 18739	0. 16	0. 305	3. 79E-05	Oligo	DDX21
EFNB1. 5	2. 57E-09	-0. 22604	0. 012	0. 099	3. 83E-05	Oligo	EFNB1
SLU7. 3	2. 58E-09	-0. 30693	0. 172	0. 318	3. 86E-05	Oligo	SLU7
TMEM237. 6	2. 59E-09	-0. 22537	0. 073	0. 191	3. 87E-05	Oligo	TMEM237
ST5. 8	2. 59E-09	-0. 25181	0. 047	0. 155	3. 87E-05	Oligo	ST5
SLC16A10. 2	2. 62E-09	-0. 39844	0. 007	0. 09	3. 91E-05	Oligo	SLC16A10
VPS16. 3	2. 63E-09	-0. 24238	0. 064	0. 179	3. 93E-05	Oligo	VPS16
MMP16. 7	2. 64E-09	-0. 20706	0. 016	0. 106	3. 95E-05	Oligo	MMP16
METRNL. 8	2. 65E-09	-0. 3191	0. 005	0. 086	3. 96E-05	Oligo	METRNL
KALRN. 7	2. 69E-09	-0. 20573	0. 012	0. 099	4. 02E-05	Oligo	KALRN
DNAAF2. 8	2. 69E-09	-0. 22942	0. 061	0. 177	4. 02E-05	Oligo	DNAAF2
HSP90B1. 5	2. 69E-09	-0. 24401	0. 513	0. 663	4. 02E-05	Oligo	HSP90B1
CLEC11A. 8	2. 69E-09	-0. 25578	0. 106	0. 236	4. 03E-05	Oligo	CLEC11A
ZNF90. 6	2. 70E-09	-0. 4533	0. 249	0. 385	4. 04E-05	Oligo	ZNF90
ALYREF. 8	2. 70E-09	-0. 16976	0. 042	0. 15	4. 04E-05	Oligo	ALYREF
LUC7L2. 1	2. 71E-09	0. 307759	0. 033	0. 007	4. 04E-05	Oligo	LUC7L2
BPHL. 5	2. 73E-09	-0. 26807	0. 064	0. 178	4. 08E-05	Oligo	BPHL
AAMDC. 6	2. 74E-09	0. 57336	0. 299	0. 203	4. 10E-05	Oligo	AAMDC
SNF8. 6	2. 78E-09	-0. 26362	0. 296	0. 466	4. 16E-05	Oligo	SNF8
TMEM60. 4	2. 79E-09	-0. 21751	0. 118	0. 252	4. 17E-05	Oligo	TMEM60
PUS3. 6	2. 84E-09	-0. 24362	0. 024	0. 117	4. 25E-05	Oligo	PUS3
CYB5B. 5	2. 90E-09	-0. 26544	0. 188	0. 343	4. 33E-05	Oligo	CYB5B
UBE3A. 7	2. 96E-09	-0. 19637	0. 148	0. 292	4. 42E-05	Oligo	UBE3A
IQCE. 6	2. 96E-09	-0. 20812	0. 026	0. 122	4. 42E-05	Oligo	IQCE
FAM13A. 2	2. 97E-09	-0. 30145	0. 014	0. 102	4. 44E-05	Oligo	FAM13A
MEOX2. 7	3. 02E-09	-0. 21574	0. 002	0. 081	4. 52E-05	Oligo	MEOX2
CCNB1. 7	3. 05E-09	-0. 33189	0. 009	0. 094	4. 56E-05	Oligo	CCNB1
NIPSNAP1. 3	3. 07E-09	-0. 20549	0. 059	0. 171	4. 58E-05	Oligo	NIPSNAP1
MCAT. 7	3. 08E-09	-0. 20761	0. 033	0. 132	4. 60E-05	Oligo	MCAT
RGL2. 3	3. 10E-09	-0. 21756	0. 085	0. 209	4. 64E-05	Oligo	RGL2
GON4L. 6	3. 13E-09	-0. 14748	0. 092	0. 219	4. 67E-05	Oligo	GON4L
POP4. 2	3. 14E-09	-0. 30239	0. 129	0. 27	4. 69E-05	Oligo	POP4
TMUB2. 3	3. 15E-09	-0. 16061	0. 127	0. 265	4. 71E-05	Oligo	TMUB2
RNASEH2A. 3	3. 17E-09	-0. 18206	0. 089	0. 215	4. 73E-05	Oligo	RNASEH2A
CDK10. 3	3. 18E-09	-0. 25771	0. 056	0. 168	4. 75E-05	Oligo	CDK10
B9D2. 1	3. 22E-09	-0. 21047	0. 005	0. 086	4. 80E-05	Oligo	B9D2
RARS2. 4	3. 22E-09	-0. 21371	0. 075	0. 195	4. 81E-05	Oligo	RARS2
RNF114. 3	3. 22E-09	-0. 27782	0. 254	0. 421	4. 82E-05	Oligo	RNF114
TMBIM6. 4	3. 24E-09	-0. 23814	0. 675	0. 844	4. 84E-05	Oligo	TMBIM6
BLCAP. 6	3. 24E-09	-0. 1857	0. 151	0. 295	4. 85E-05	Oligo	BLCAP
PCOLCE2. 4	3. 25E-09	-0. 25615	0. 005	0. 085	4. 86E-05	Oligo	PCOLCE2
ZNF326. 6	3. 25E-09	-0. 19813	0. 12	0. 252	4. 86E-05	Oligo	ZNF326
CHST14. 2	3. 34E-09	-0. 17151	0. 002	0. 081	4. 99E-05	Oligo	CHST14
ISG20L2. 6	3. 35E-09	-0. 21115	0. 104	0. 229	5. 01E-05	Oligo	ISG20L2
ERAL1. 4	3. 37E-09	-0. 19672	0. 111	0. 245	5. 03E-05	Oligo	ERAL1
TMED1. 6	3. 37E-09	-0. 2485	0. 153	0. 296	5. 04E-05	Oligo	TMED1
RBM39. 5	3. 38E-09	-0. 15825	0. 513	0. 659	5. 06E-05	Oligo	RBM39
CDH4. 8	3. 39E-09	-0. 18047	0. 007	0. 09	5. 07E-05	Oligo	CDH4
GYG1. 5	3. 43E-09	-0. 3268	0. 127	0. 259	5. 13E-05	Oligo	GYG1

FAM110A.4	3.44E-09	-0.23068	0	0.076	5.15E-05	Oligo	FAM110A
CDK5RAP1.	3.46E-09	-0.17123	0.052	0.162	5.18E-05	Oligo	CDK5RAP1
NELL2.7	3.48E-09	-0.25376	0.019	0.109	5.20E-05	Oligo	NELL2
DENND6B.9	3.51E-09	-0.29168	0.016	0.105	5.25E-05	Oligo	DENND6B
ZC3HC1.6	3.51E-09	-0.2473	0.031	0.128	5.25E-05	Oligo	ZC3HC1
TMED3.6	3.53E-09	-0.2208	0.169	0.313	5.28E-05	Oligo	TMED3
CCDC88A.7	3.59E-09	0.403286	0.485	0.414	5.36E-05	Oligo	CCDC88A
DRAM1.6	3.60E-09	-0.22674	0	0.076	5.38E-05	Oligo	DRAM1
TRIM38.8	3.63E-09	-0.30471	0.014	0.101	5.42E-05	Oligo	TRIM38
SIGMAR1.2	3.69E-09	-0.18869	0.061	0.176	5.51E-05	Oligo	SIGMAR1
DCBLD2.8	3.69E-09	-0.19176	0.042	0.147	5.51E-05	Oligo	DCBLD2
RIN1.5	3.69E-09	-0.16533	0.005	0.085	5.52E-05	Oligo	RIN1
EYA2.2	3.71E-09	-0.18044	0.002	0.081	5.55E-05	Oligo	EYA2
SLC2A4RG.	3.73E-09	-0.1863	0.031	0.129	5.57E-05	Oligo	SLC2A4RG
COPB2.6	3.75E-09	-0.22686	0.165	0.311	5.61E-05	Oligo	COPB2
BCL3.5	3.77E-09	-0.21104	0.002	0.08	5.63E-05	Oligo	BCL3
DDB2.3	3.77E-09	-0.31061	0.012	0.097	5.63E-05	Oligo	DDB2
CCRL2.8	3.78E-09	-0.39285	0.009	0.092	5.65E-05	Oligo	CCRL2
ABHD11.2	3.79E-09	-0.28462	0.061	0.173	5.67E-05	Oligo	ABHD11
PTPN12.4	3.83E-09	-0.21358	0.099	0.227	5.72E-05	Oligo	PTPN12
TAF1D.2	3.87E-09	-0.30053	0.198	0.348	5.79E-05	Oligo	TAF1D
CNPY1.8	3.88E-09	-0.22655	0.002	0.08	5.79E-05	Oligo	CNPY1
ZNF516.2	3.89E-09	-0.2078	0.012	0.097	5.82E-05	Oligo	ZNF516
PRC1.8	3.92E-09	-0.26871	0.007	0.089	5.85E-05	Oligo	PRC1
EPHA3.8	3.94E-09	-0.13696	0	0.076	5.88E-05	Oligo	EPHA3
LYL1.9	4.04E-09	-0.33313	0.005	0.084	6.04E-05	Oligo	LYL1
SMIM15.2	4.11E-09	-0.16251	0.181	0.338	6.14E-05	Oligo	SMIM15
ADAMTS9.7	4.12E-09	-0.17095	0.002	0.08	6.16E-05	Oligo	ADAMTS9
DDX39A.5	4.22E-09	-0.21695	0.238	0.398	6.31E-05	Oligo	DDX39A
SMPD1.6	4.29E-09	0.431709	0.32	0.233	6.41E-05	Oligo	SMPD1
RSBN1.7	4.36E-09	-0.24137	0.096	0.222	6.51E-05	Oligo	RSBN1
PPIL4.3	4.37E-09	-0.20968	0.118	0.251	6.52E-05	Oligo	PPIL4
DBNL.8	4.38E-09	-0.25105	0.275	0.431	6.55E-05	Oligo	DBNL
CEP63.4	4.40E-09	-0.20069	0.068	0.182	6.58E-05	Oligo	CEP63
SNCAIP.8	4.41E-09	-0.1937	0.007	0.088	6.59E-05	Oligo	SNCAIP
GDAP1L1.8	4.43E-09	-0.31574	0.016	0.104	6.61E-05	Oligo	GDAP1L1
DYNC1LI1.	4.46E-09	-0.18296	0.134	0.272	6.66E-05	Oligo	DYNC1LI1
BARD1.7	4.46E-09	-0.19797	0.045	0.15	6.67E-05	Oligo	BARD1
PDE4A.5	4.49E-09	-0.24857	0.009	0.092	6.71E-05	Oligo	PDE4A
OSCAR.9	4.50E-09	-0.29317	0	0.075	6.73E-05	Oligo	OSCAR
ACTL6B.8	4.52E-09	-0.2997	0.002	0.079	6.75E-05	Oligo	ACTL6B
ELN.6	4.53E-09	-0.3134	0.021	0.111	6.77E-05	Oligo	ELN
SHKBP1.8	4.55E-09	-0.20368	0.108	0.242	6.80E-05	Oligo	SHKBP1
SPCS1.3	4.55E-09	-0.10515	0.572	0.743	6.80E-05	Oligo	SPCS1
DLL3.8	4.62E-09	-0.4251	0.047	0.147	6.90E-05	Oligo	DLL3
ITGA3.6	4.65E-09	-0.14618	0.014	0.102	6.94E-05	Oligo	ITGA3
ZNF22.7	4.65E-09	-0.1591	0.141	0.28	6.95E-05	Oligo	ZNF22
TDG.6	4.72E-09	-0.13226	0.136	0.278	7.05E-05	Oligo	TDG
VCAM1.7	4.81E-09	-0.35052	0	0.075	7.19E-05	Oligo	VCAM1
NUP37.4	4.84E-09	-0.23574	0.035	0.134	7.23E-05	Oligo	NUP37
TPMT.7	4.87E-09	-0.22199	0.078	0.196	7.27E-05	Oligo	TPMT

MOSPD1.5	4.95E-09	-0.26022	0.035	0.133	7.40E-05	Oligo	MOSPD1
DNAJA1.4	4.97E-09	-0.18374	0.468	0.634	7.43E-05	Oligo	DNAJA1
REXO2.8	4.98E-09	0.38669	0.419	0.315	7.44E-05	Oligo	REXO2
ENKUR.7	5.03E-09	-0.23743	0	0.075	7.52E-05	Oligo	ENKUR
CELF1.6	5.04E-09	-0.16825	0.169	0.313	7.53E-05	Oligo	CELF1
CCDC58.5	5.14E-09	-0.21159	0.045	0.148	7.67E-05	Oligo	CCDC58
ANAPC13.6	5.22E-09	-0.14783	0.207	0.359	7.80E-05	Oligo	ANAPC13
IFITM10.4	5.23E-09	-0.31666	0.033	0.129	7.82E-05	Oligo	IFITM10
ZWINT.6	5.23E-09	-0.27581	0.012	0.096	7.82E-05	Oligo	ZWINT
IGF2BP2.6	5.29E-09	-0.18352	0.005	0.083	7.90E-05	Oligo	IGF2BP2
CLINT1.2	5.29E-09	-0.22782	0.085	0.205	7.90E-05	Oligo	CLINT1
MGST3.4	5.31E-09	0.289714	0.727	0.692	7.93E-05	Oligo	MGST3
PID1.6	5.43E-09	-0.21381	0.026	0.12	8.12E-05	Oligo	PID1
MT1G.7	5.48E-09	-0.54278	0.035	0.131	8.18E-05	Oligo	MT1G
SPA17.7	5.50E-09	-0.22701	0.005	0.083	8.23E-05	Oligo	SPA17
TP53INP2.5	5.51E-09	0.282331	0.169	0.092	8.24E-05	Oligo	TP53INP2
SMC2.7	5.54E-09	-0.23516	0.085	0.204	8.28E-05	Oligo	SMC2
EIF2B1.4	5.54E-09	-0.16207	0.146	0.288	8.28E-05	Oligo	EIF2B1
RIT2.8	5.70E-09	-0.32022	0.002	0.079	8.51E-05	Oligo	RIT2
SDF2.4	5.71E-09	-0.15294	0.205	0.362	8.54E-05	Oligo	SDF2
C16orf62.5	5.73E-09	0.399968	0.233	0.145	8.57E-05	Oligo	C16orf62
ITGA5.5	5.75E-09	-0.28234	0.007	0.087	8.59E-05	Oligo	ITGA5
NGLY1.3	5.81E-09	-0.2292	0.094	0.219	8.68E-05	Oligo	NGLY1
BRD4.6	5.90E-09	-0.20553	0.184	0.332	8.82E-05	Oligo	BRD4
BAG3.5	5.97E-09	-0.26613	0.021	0.111	8.92E-05	Oligo	BAG3
NAT14.5	5.99E-09	-0.20042	0.068	0.184	8.95E-05	Oligo	NAT14
TBC1D17.4	6.12E-09	0.288054	0.245	0.152	9.15E-05	Oligo	TBC1D17
AC004540.6	6.15E-09	-0.25315	0.005	0.082	9.19E-05	Oligo	AC004540.5
ARNTL.3	6.20E-09	-0.21626	0.014	0.099	9.26E-05	Oligo	ARNTL
NLRP3.8	6.21E-09	-0.36637	0.009	0.09	9.28E-05	Oligo	NLRP3
RFWD2.5	6.23E-09	-0.17404	0.059	0.169	9.32E-05	Oligo	RFWD2
ALG8.2	6.23E-09	-0.23806	0.068	0.183	9.32E-05	Oligo	ALG8
CLIP1.2	6.25E-09	-0.16683	0.092	0.218	9.34E-05	Oligo	CLIP1
ITGAM.9	6.25E-09	-0.32568	0.002	0.078	9.35E-05	Oligo	ITGAM
FGR.9	6.25E-09	-0.34265	0.007	0.086	9.35E-05	Oligo	FGR
GAR1.7	6.27E-09	-0.24121	0.078	0.195	9.37E-05	Oligo	GAR1
DUS3L.4	6.27E-09	-0.22766	0.045	0.147	9.37E-05	Oligo	DUS3L
RAPGEF1.6	6.32E-09	-0.32008	0.028	0.12	9.45E-05	Oligo	RAPGEF1
CDK2.5	6.33E-09	-0.21971	0.007	0.087	9.47E-05	Oligo	CDK2
LRRC42.5	6.46E-09	-0.1493	0.045	0.148	9.66E-05	Oligo	LRRC42
NKIRAS2.4	6.51E-09	-0.18407	0.132	0.268	9.72E-05	Oligo	NKIRAS2
LYAR.4	6.60E-09	-0.15463	0.066	0.178	9.87E-05	Oligo	LYAR
CCZ1.6	6.62E-09	-0.24872	0.202	0.356	9.89E-05	Oligo	CCZ1
CKB.9	6.63E-09	0.21923	0.711	0.577	9.91E-05	Oligo	CKB
EXOC6B.2	6.64E-09	0.382574	0.125	0.06	9.92E-05	Oligo	EXOC6B
PQLC3.8	6.67E-09	-0.27803	0.075	0.189	9.97E-05	Oligo	PQLC3
SAP30.6	6.70E-09	-0.25468	0.115	0.245	0.0001	Oligo	SAP30
TMEM161B-6	6.77E-09	-0.33752	0.162	0.294	0.000101	Oligo	TMEM161B-AS1
ATF1.3	6.96E-09	-0.23622	0.045	0.148	0.000104	Oligo	ATF1
ATIC.1	6.99E-09	-0.20136	0.106	0.229	0.000104	Oligo	ATIC
RUSC1.5	7.08E-09	-0.18717	0.04	0.141	0.000106	Oligo	RUSC1

HDCC2.4	7.09E-09	-0.10432	0.24	0.406	0.000106	Oligo	HDCC2
CCL4.8	7.13E-09	-0.62924	0.224	0.328	0.000107	Oligo	CCL4
CD93.9	7.18E-09	-0.31813	0	0.073	0.000107	Oligo	CD93
SMIM19.2	7.20E-09	-0.16522	0.176	0.329	0.000108	Oligo	SMIM19
SMIM13.3	7.22E-09	0.245543	0.158	0.083	0.000108	Oligo	SMIM13
EIF2AK2.2	7.23E-09	-0.2028	0.158	0.307	0.000108	Oligo	EIF2AK2
LSAMP.7	7.23E-09	0.300834	0.271	0.168	0.000108	Oligo	LSAMP
RCC1.3	7.23E-09	-0.15063	0.016	0.103	0.000108	Oligo	RCC1
BOD1.8	7.23E-09	-0.24656	0.165	0.308	0.000108	Oligo	BOD1
AP4M1.7	7.29E-09	-0.21741	0.08	0.198	0.000109	Oligo	AP4M1
VPS26B.7	7.42E-09	-0.17626	0.106	0.236	0.000111	Oligo	VPS26B
DYX1C1	7.53E-09	-0.22152	0.002	0.078	0.000113	Oligo	DYX1C1
GPATCH2.3	7.54E-09	-0.22365	0.056	0.165	0.000113	Oligo	GPATCH2
RELB.4	7.67E-09	-0.19505	0.014	0.099	0.000115	Oligo	RELB
TNFAIP2.7	7.69E-09	-0.29271	0.002	0.077	0.000115	Oligo	TNFAIP2
ARRDC1.8	7.71E-09	-0.28962	0.04	0.138	0.000115	Oligo	ARRDC1
UCHL3.5	7.74E-09	-0.24736	0.125	0.252	0.000116	Oligo	UCHL3
POLR2E.6	7.76E-09	-0.17566	0.369	0.541	0.000116	Oligo	POLR2E
SPATA2L.3	7.82E-09	-0.18321	0.019	0.106	0.000117	Oligo	SPATA2L
NDUFS2.3	7.90E-09	-0.13099	0.365	0.558	0.000118	Oligo	NDUFS2
HAUS8.3	8.02E-09	-0.23024	0.007	0.086	0.00012	Oligo	HAUS8
SCIMP.9	8.26E-09	-0.31177	0.007	0.086	0.000123	Oligo	SCIMP
JADE2.1	8.28E-09	0.310201	0.106	0.046	0.000124	Oligo	JADE2
HSPA9.5	8.32E-09	-0.27479	0.336	0.493	0.000124	Oligo	HSPA9
PBXIP1.3	8.41E-09	-0.30345	0.04	0.138	0.000126	Oligo	PBXIP1
CMBL.7	8.47E-09	-0.1703	0.033	0.13	0.000127	Oligo	CMBL
SASH3.9	8.49E-09	-0.32918	0.005	0.081	0.000127	Oligo	SASH3
ARL14EP.3	8.49E-09	-0.13398	0.071	0.185	0.000127	Oligo	ARL14EP
ELL2.7	8.58E-09	0.238604	0.304	0.188	0.000128	Oligo	ELL2
GPR82.6	8.69E-09	-0.17299	0.038	0.138	0.00013	Oligo	GPR82
CXCL2.6	8.69E-09	-0.44609	0.009	0.089	0.00013	Oligo	CXCL2
CNOT4.6	8.72E-09	-0.14492	0.136	0.277	0.00013	Oligo	CNOT4
HELZ2.6	8.84E-09	-0.17124	0.016	0.103	0.000132	Oligo	HELZ2
PPAN.1	8.89E-09	-0.17525	0.059	0.169	0.000133	Oligo	PPAN
SIGLEC7.9	8.89E-09	-0.32127	0.002	0.077	0.000133	Oligo	SIGLEC7
SBF2.3	8.94E-09	0.544952	0.266	0.179	0.000134	Oligo	SBF2
MIR210HG.	9.05E-09	-0.20196	0.012	0.094	0.000135	Oligo	MIR210HG
DOCK7.2	9.06E-09	-0.16796	0.033	0.129	0.000135	Oligo	DOCK7
YAF2.6	9.20E-09	-0.20184	0.2	0.352	0.000138	Oligo	YAF2
PLEKHF2.3	9.29E-09	-0.22875	0.035	0.131	0.000139	Oligo	PLEKHF2
TRAF3IP2.	9.36E-09	-0.14861	0.014	0.099	0.00014	Oligo	TRAF3IP2
TFDP2.4	9.42E-09	-0.25782	0.096	0.217	0.000141	Oligo	TFDP2
LY6H.8	9.48E-09	-0.34022	0.009	0.088	0.000142	Oligo	LY6H
FOPNL.4	9.53E-09	-0.1695	0.08	0.198	0.000142	Oligo	FOPNL
GPR161.9	9.54E-09	-0.16552	0.007	0.086	0.000143	Oligo	GPR161
NNT.2	9.58E-09	-0.20009	0.04	0.14	0.000143	Oligo	NNT
AKAP8L.7	9.60E-09	-0.18027	0.122	0.254	0.000143	Oligo	AKAP8L
MON2.1	9.66E-09	0.243376	0.167	0.089	0.000144	Oligo	MON2
TMEM109.8	9.72E-09	-0.24164	0.092	0.209	0.000145	Oligo	TMEM109
FLAD1.5	9.74E-09	-0.16554	0.108	0.237	0.000146	Oligo	FLAD1
IMP3.2	9.81E-09	-0.28305	0.209	0.365	0.000147	Oligo	IMP3

ING1.4	9.95E-09	-0.24096	0.04	0.139	0.000149	Oligo	ING1
CACNA2D4.	1.00E-08	-0.34035	0.002	0.076	0.000149	Oligo	CACNA2D4
LPP.2	1.00E-08	-0.18419	0.096	0.222	0.00015	Oligo	LPP
PER1.7	1.01E-08	-0.31816	0.078	0.188	0.00015	Oligo	PER1
CD81.8	1.01E-08	0.316364	0.529	0.435	0.000151	Oligo	CD81
C9orf114.	1.01E-08	-0.22433	0.045	0.146	0.000151	Oligo	C9orf114
ZNF711.8	1.02E-08	-0.20679	0.045	0.146	0.000153	Oligo	ZNF711
NOP56.4	1.03E-08	-0.1706	0.254	0.42	0.000153	Oligo	NOP56
RNF6.1	1.03E-08	-0.22886	0.04	0.139	0.000153	Oligo	RNF6
ATP5SL.3	1.03E-08	-0.16483	0.108	0.235	0.000154	Oligo	ATP5SL
IRAK3.9	1.04E-08	-0.31527	0.002	0.076	0.000155	Oligo	IRAK3
ZNF189.2	1.04E-08	0.310462	0.129	0.063	0.000156	Oligo	ZNF189
IGBP1.2	1.05E-08	-0.25287	0.205	0.351	0.000156	Oligo	IGBP1
HNRNPH3.8	1.05E-08	-0.1799	0.282	0.451	0.000157	Oligo	HNRNPH3
LRRC16A.2	1.06E-08	-0.14823	0.002	0.077	0.000158	Oligo	LRRC16A
GNG3.7	1.06E-08	-0.30724	0.002	0.076	0.000158	Oligo	GNG3
LINC00998	1.06E-08	-0.2475	0.231	0.377	0.000159	Oligo	LINC00998
FAM129B.6	1.07E-08	-0.20104	0.002	0.076	0.000159	Oligo	FAM129B
PDCL3.6	1.07E-08	-0.15421	0.158	0.298	0.000159	Oligo	PDCL3
SLC29A4.6	1.07E-08	-0.19184	0.007	0.085	0.00016	Oligo	SLC29A4
PCNP.5	1.07E-08	-0.14433	0.367	0.543	0.00016	Oligo	PCNP
HBS1L.6	1.08E-08	0.472743	0.275	0.188	0.000161	Oligo	HBS1L
CASP7.2	1.08E-08	-0.20254	0.009	0.089	0.000161	Oligo	CASP7
LINC00936	1.08E-08	-0.31656	0.045	0.144	0.000162	Oligo	LINC00936
NLGN3.7	1.09E-08	0.440185	0.191	0.111	0.000163	Oligo	NLGN3
PDLIM1.6	1.09E-08	-0.19342	0.002	0.076	0.000163	Oligo	PDLIM1
NARS.3	1.10E-08	-0.21826	0.285	0.443	0.000164	Oligo	NARS
TBL2.2	1.11E-08	-0.24044	0.08	0.193	0.000166	Oligo	TBL2
HOXC9.9	1.11E-08	-0.27682	0.009	0.088	0.000166	Oligo	HOXC9
PPP1R35.8	1.11E-08	-0.1593	0.054	0.161	0.000166	Oligo	PPP1R35
MLST8.5	1.12E-08	-0.18131	0.111	0.241	0.000168	Oligo	MLST8
CDC40	1.13E-08	-0.23123	0.089	0.212	0.000169	Oligo	CDC40
RBM4.7	1.13E-08	-0.15943	0.099	0.224	0.000169	Oligo	RBM4
SNAPC5.3	1.13E-08	-0.16489	0.094	0.216	0.000169	Oligo	SNAPC5
SIGLEC8.6	1.14E-08	-0.34494	0.005	0.08	0.00017	Oligo	SIGLEC8
DDX54.3	1.14E-08	-0.19259	0.085	0.203	0.000171	Oligo	DDX54
PBK.9	1.15E-08	-0.30566	0.002	0.076	0.000172	Oligo	PBK
PRKAG1.1	1.16E-08	-0.21243	0.16	0.299	0.000173	Oligo	PRKAG1
EHD2.7	1.16E-08	-0.17611	0.007	0.084	0.000173	Oligo	EHD2
UGDH.4	1.16E-08	-0.24249	0.056	0.162	0.000173	Oligo	UGDH
LRR1.4	1.16E-08	-0.21552	0.009	0.089	0.000174	Oligo	LRR1
RASGRP1.7	1.17E-08	-0.15136	0	0.071	0.000175	Oligo	RASGRP1
CCDC174.1	1.18E-08	-0.2924	0.082	0.198	0.000176	Oligo	CCDC174
ATCAY.8	1.18E-08	-0.22392	0.031	0.124	0.000176	Oligo	ATCAY
UBA7.8	1.18E-08	-0.29515	0.007	0.084	0.000176	Oligo	UBA7
SLC27A1.4	1.18E-08	0.361689	0.242	0.157	0.000176	Oligo	SLC27A1
NTN1.5	1.19E-08	-0.15349	0.007	0.085	0.000178	Oligo	NTN1
TAS2R4	1.19E-08	0.136038	0.012	0.001	0.000178	Oligo	TAS2R4
HSDL1.8	1.20E-08	-0.22837	0.038	0.134	0.000179	Oligo	HSDL1
GMDS.3	1.20E-08	-0.19994	0.012	0.092	0.00018	Oligo	GMDS
DOCK2.9	1.20E-08	-0.32174	0.005	0.08	0.00018	Oligo	DOCK2

CHMP4B. 5	1. 21E-08	-0. 23367	0. 311	0. 459	0. 000181	Oligo	CHMP4B
TMEM104. 1	1. 21E-08	0. 286224	0. 122	0. 059	0. 000181	Oligo	TMEM104
HEG1. 2	1. 21E-08	0. 264088	0. 136	0. 069	0. 000181	Oligo	HEG1
DUSP5. 2	1. 22E-08	-0. 21787	0. 002	0. 076	0. 000182	Oligo	DUSP5
RPA3. 5	1. 22E-08	-0. 26813	0. 205	0. 348	0. 000182	Oligo	RPA3
RRAS. 2	1. 22E-08	-0. 15189	0. 021	0. 109	0. 000182	Oligo	RRAS
ZMYND11. 6	1. 22E-08	0. 320348	0. 226	0. 143	0. 000183	Oligo	ZMYND11
ST14. 9	1. 23E-08	-0. 2989	0. 002	0. 075	0. 000184	Oligo	ST14
COMMD5	1. 23E-08	-0. 19757	0. 129	0. 264	0. 000184	Oligo	COMMD5
PCOLCE. 8	1. 23E-08	-0. 278	0. 007	0. 084	0. 000184	Oligo	PCOLCE
CKS1B. 5	1. 24E-08	-0. 2238	0. 132	0. 264	0. 000186	Oligo	CKS1B
C14orf37. 1	1. 24E-08	-0. 24031	0. 026	0. 115	0. 000186	Oligo	C14orf37
BRF1. 5	1. 25E-08	0. 387554	0. 176	0. 1	0. 000186	Oligo	BRF1
SCO1. 3	1. 25E-08	-0. 17741	0. 061	0. 17	0. 000186	Oligo	SCO1
NDUFA8. 1	1. 26E-08	-0. 14645	0. 332	0. 497	0. 000188	Oligo	NDUFA8
DAGLB. 7	1. 26E-08	-0. 34322	0. 033	0. 124	0. 000188	Oligo	DAGLB
LMOD3	1. 27E-08	0. 186764	0. 061	0. 02	0. 00019	Oligo	LMOD3
RER1. 6	1. 28E-08	-0. 23438	0. 336	0. 503	0. 000192	Oligo	RER1
IFT81. 7	1. 30E-08	-0. 17676	0. 056	0. 163	0. 000195	Oligo	IFT81
PDLIM5. 3	1. 31E-08	-0. 16724	0. 096	0. 224	0. 000195	Oligo	PDLIM5
SRPK1. 6	1. 32E-08	-0. 22621	0. 061	0. 17	0. 000198	Oligo	SRPK1
HNRNPM. 7	1. 33E-08	-0. 22221	0. 388	0. 549	0. 000199	Oligo	HNRNPM
SCHIP1. 2	1. 35E-08	0. 258831	0. 087	0. 036	0. 000202	Oligo	SCHIP1
DIRAS1. 7	1. 36E-08	-0. 1698	0. 026	0. 116	0. 000203	Oligo	DIRAS1
CBS. 7	1. 36E-08	-0. 17359	0. 054	0. 161	0. 000203	Oligo	CBS
RCE1. 3	1. 36E-08	-0. 15267	0. 035	0. 132	0. 000203	Oligo	RCE1
SNRPF. 5	1. 36E-08	-0. 15104	0. 381	0. 553	0. 000204	Oligo	SNRPF
MIF4GD. 7	1. 37E-08	-0. 26101	0. 127	0. 257	0. 000205	Oligo	MIF4GD
PTK2B. 6	1. 40E-08	-0. 19632	0. 035	0. 13	0. 000209	Oligo	PTK2B
SELPLG. 7	1. 40E-08	-0. 38245	0. 033	0. 125	0. 00021	Oligo	SELPLG
SF3B2. 5	1. 42E-08	-0. 18035	0. 369	0. 53	0. 000211	Oligo	SF3B2
SH3TC1. 8	1. 43E-08	-0. 3491	0. 007	0. 083	0. 000214	Oligo	SH3TC1
CHD2. 4	1. 45E-08	-0. 19744	0. 158	0. 297	0. 000217	Oligo	CHD2
CNTRL. 6	1. 46E-08	-0. 26584	0. 031	0. 122	0. 000218	Oligo	CNTRL
ADD2. 7	1. 46E-08	-0. 21061	0. 012	0. 091	0. 000219	Oligo	ADD2
MDM4. 4	1. 47E-08	0. 393205	0. 334	0. 243	0. 00022	Oligo	MDM4
RAD21. 8	1. 48E-08	0. 385129	0. 442	0. 363	0. 000222	Oligo	RAD21
OSMR. 7	1. 49E-08	-0. 16482	0. 009	0. 088	0. 000222	Oligo	OSMR
8-Mar	1. 49E-08	0. 219888	0. 099	0. 043	0. 000223	Oligo	8-Mar
EMC8. 5	1. 50E-08	-0. 22822	0. 139	0. 277	0. 000224	Oligo	EMC8
TGS1. 3	1. 50E-08	-0. 21723	0. 059	0. 164	0. 000225	Oligo	TGS1
CCDC18. 5	1. 51E-08	-0. 22005	0. 005	0. 079	0. 000226	Oligo	CCDC18
PNMA1. 8	1. 52E-08	-0. 2371	0. 153	0. 288	0. 000227	Oligo	PNMA1
CTA-204B4	1. 52E-08	0. 246416	0. 078	0. 03	0. 000228	Oligo	CTA-204B4. 2
CD300C. 9	1. 53E-08	-0. 31081	0	0. 07	0. 000228	Oligo	CD300C
PLXNA4. 8	1. 54E-08	-0. 21906	0. 005	0. 079	0. 00023	Oligo	PLXNA4
COL22A1. 5	1. 55E-08	-0. 15535	0. 002	0. 075	0. 000232	Oligo	COL22A1
LILRB1. 9	1. 56E-08	-0. 34653	0. 014	0. 095	0. 000232	Oligo	LILRB1
CSTB. 7	1. 57E-08	-0. 13899	0. 529	0. 696	0. 000234	Oligo	CSTB
MCM6. 2	1. 57E-08	-0. 22522	0. 014	0. 095	0. 000234	Oligo	MCM6
JTB. 4	1. 57E-08	-0. 23425	0. 464	0. 615	0. 000235	Oligo	JTB

CCDC71.2	1.57E-08	-0.17297	0.016	0.1	0.000235	Oligo	CCDC71
RAB3A.9	1.58E-08	-0.27747	0.064	0.168	0.000236	Oligo	RAB3A
TRIM14.6	1.59E-08	-0.22278	0.014	0.095	0.000238	Oligo	TRIM14
TNPO3.3	1.60E-08	-0.25305	0.047	0.146	0.000239	Oligo	TNPO3
EXOSC9.2	1.60E-08	-0.24193	0.052	0.153	0.00024	Oligo	EXOSC9
TMEM218.3	1.62E-08	-0.19122	0.104	0.226	0.000241	Oligo	TMEM218
PSMD7.5	1.63E-08	-0.18825	0.329	0.496	0.000243	Oligo	PSMD7
ARMCX3.7	1.63E-08	-0.23776	0.287	0.435	0.000244	Oligo	ARMCX3
CYSTM1.8	1.64E-08	-0.2864	0.188	0.33	0.000245	Oligo	CYSTM1
Clorf123.	1.67E-08	-0.22955	0.198	0.346	0.000249	Oligo	Clorf123
RNF165.8	1.67E-08	-0.18887	0	0.07	0.000249	Oligo	RNF165
ARHGAP15.	1.68E-08	-0.40881	0.019	0.1	0.000251	Oligo	ARHGAP15
PPHLN1.5	1.69E-08	-0.17069	0.219	0.372	0.000253	Oligo	PPHLN1
ZCCHC10.4	1.70E-08	-0.14905	0.111	0.238	0.000254	Oligo	ZCCHC10
NUP107.8	1.70E-08	-0.32773	0.108	0.228	0.000254	Oligo	NUP107
FBXO5.5	1.70E-08	-0.19613	0.016	0.099	0.000254	Oligo	FBXO5
TTC39C.4	1.71E-08	-0.18545	0.007	0.083	0.000256	Oligo	TTC39C
NCBP2-AS2	1.72E-08	-0.15413	0.141	0.282	0.000258	Oligo	NCBP2-AS2
ATP13A3.5	1.73E-08	-0.22203	0.052	0.154	0.000258	Oligo	ATP13A3
MSL3	1.73E-08	-0.16704	0.049	0.151	0.000258	Oligo	MSL3
UBAP1L	1.74E-08	0.105194	0.033	0.008	0.00026	Oligo	UBAP1L
POU3F2.7	1.76E-08	-0.22856	0.104	0.22	0.000263	Oligo	POU3F2
PWP1.5	1.79E-08	-0.17229	0.165	0.308	0.000267	Oligo	PWP1
BEND6.8	1.79E-08	-0.1223	0.031	0.122	0.000268	Oligo	BEND6
ELAVL2.9	1.81E-08	-0.2541	0.007	0.082	0.00027	Oligo	ELAVL2
ILK.4	1.85E-08	-0.3187	0.224	0.37	0.000276	Oligo	ILK
BYSL.5	1.89E-08	-0.18085	0.024	0.111	0.000283	Oligo	BYSL
PTP4A3.6	1.89E-08	-0.17964	0.012	0.091	0.000283	Oligo	PTP4A3
NIT2.3	1.90E-08	-0.26487	0.108	0.233	0.000284	Oligo	NIT2
ATAD2.6	1.90E-08	-0.19347	0.005	0.078	0.000284	Oligo	ATAD2
CD40.9	1.91E-08	-0.2854	0	0.069	0.000285	Oligo	CD40
TRIM4.2	1.92E-08	-0.22065	0.049	0.15	0.000286	Oligo	TRIM4
PDGFA.6	1.92E-08	0.276262	0.172	0.094	0.000287	Oligo	PDGFA
ATF3.8	1.93E-08	-0.35071	0.181	0.307	0.000289	Oligo	ATF3
CHMP7.7	1.94E-08	-0.20648	0.071	0.181	0.000289	Oligo	CHMP7
CLN8.6	1.94E-08	0.344522	0.372	0.265	0.000291	Oligo	CLN8
SEL1L3.2	1.95E-08	-0.20063	0.002	0.074	0.000291	Oligo	SEL1L3
ZNF91.6	1.95E-08	-0.20186	0.096	0.214	0.000291	Oligo	ZNF91
IFT43.7	1.96E-08	-0.15148	0.129	0.262	0.000293	Oligo	IFT43
HINT1.5	1.96E-08	0.220827	0.833	0.827	0.000293	Oligo	HINT1
EMB.9	1.97E-08	-0.32538	0.005	0.078	0.000294	Oligo	EMB
RFX2.3	1.97E-08	-0.23691	0.016	0.098	0.000295	Oligo	RFX2
ST20.1	1.99E-08	-0.2274	0.026	0.114	0.000298	Oligo	ST20
TGIF2.3	1.99E-08	-0.17633	0.009	0.087	0.000298	Oligo	TGIF2
PARVA.7	2.00E-08	-0.16455	0.016	0.099	0.000299	Oligo	PARVA
AZGP1.7	2.01E-08	0.286333	0.118	0.054	0.000301	Oligo	AZGP1
STAC3.9	2.02E-08	-0.29907	0.007	0.082	0.000301	Oligo	STAC3
ATP5EP2.7	2.02E-08	0.261931	0.536	0.444	0.000302	Oligo	ATP5EP2
IL1RN.8	2.03E-08	-0.34791	0.005	0.078	0.000303	Oligo	IL1RN
NELFCD.7	2.04E-08	-0.11742	0.193	0.342	0.000304	Oligo	NELFCD
MGARP.5	2.05E-08	-0.13575	0.007	0.083	0.000306	Oligo	MGARP

LM03.6	2.05E-08	-0.30838	0.009	0.085	0.000307	Oligo	LM03
PCDHB16.7	2.09E-08	-0.20309	0.045	0.143	0.000312	Oligo	PCDHB16
PIAS1.4	2.10E-08	-0.25425	0.059	0.162	0.000313	Oligo	PIAS1
SLC38A6.5	2.10E-08	-0.24866	0.019	0.103	0.000314	Oligo	SLC38A6
P2RY11.7	2.12E-08	-0.2659	0.012	0.09	0.000317	Oligo	P2RY11
HSF1.2	2.13E-08	-0.17098	0.146	0.283	0.000319	Oligo	HSF1
CXXC5.9	2.16E-08	0.290834	0.48	0.376	0.000322	Oligo	CXXC5
UMPS.5	2.17E-08	-0.194	0.04	0.136	0.000325	Oligo	UMPS
MILR1.9	2.17E-08	-0.36947	0.019	0.102	0.000325	Oligo	MILR1
CCND3.6	2.18E-08	-0.36168	0.139	0.264	0.000326	Oligo	CCND3
MESDC2.4	2.20E-08	-0.30273	0.261	0.409	0.000329	Oligo	MESDC2
M6PR.9	2.21E-08	-0.28841	0.238	0.388	0.00033	Oligo	M6PR
AAED1.7	2.23E-08	-0.28006	0.078	0.185	0.000334	Oligo	AAED1
CD48.9	2.24E-08	-0.37117	0.007	0.081	0.000334	Oligo	CD48
QARS.7	2.27E-08	-0.27866	0.153	0.287	0.000339	Oligo	QARS
TCTN3.2	2.34E-08	-0.16298	0.047	0.147	0.00035	Oligo	TCTN3
ORC6.7	2.34E-08	-0.20743	0.014	0.094	0.00035	Oligo	ORC6
LM01.8	2.35E-08	-0.25934	0.005	0.077	0.000351	Oligo	LM01
SLC35D2.4	2.36E-08	0.285145	0.172	0.098	0.000353	Oligo	SLC35D2
BTF3L4.2	2.37E-08	-0.15866	0.348	0.518	0.000353	Oligo	BTF3L4
CCNB1IP1.2	2.37E-08	-0.22299	0.064	0.169	0.000354	Oligo	CCNB1IP1
IL6R.9	2.40E-08	-0.32465	0.012	0.089	0.000358	Oligo	IL6R
SYNE3	2.41E-08	0.138742	0.031	0.007	0.00036	Oligo	SYNE3
AP1M1.3	2.43E-08	-0.15944	0.104	0.227	0.000362	Oligo	AP1M1
CCNL2.7	2.43E-08	-0.18546	0.158	0.295	0.000364	Oligo	CCNL2
UROD.5	2.44E-08	-0.17697	0.216	0.365	0.000364	Oligo	UROD
IMMP1L.7	2.45E-08	-0.12005	0.108	0.236	0.000367	Oligo	IMMP1L
MAPKAPK5.2	2.46E-08	-0.17804	0.075	0.187	0.000367	Oligo	MAPKAPK5
RTCA.3	2.49E-08	-0.17415	0.144	0.274	0.000372	Oligo	RTCA
KSR1.1	2.53E-08	0.321289	0.094	0.04	0.000378	Oligo	KSR1
OSBPL3.1	2.54E-08	-0.20301	0.002	0.073	0.000379	Oligo	OSBPL3
RP11-126K	2.56E-08	-0.19192	0.014	0.094	0.000383	Oligo	RP11-126K1.6
USE1.8	2.59E-08	-0.13118	0.188	0.335	0.000386	Oligo	USE1
OXCT1.5	2.59E-08	-0.21744	0.052	0.152	0.000387	Oligo	OXCT1
FAM53C.5	2.59E-08	-0.16372	0.122	0.246	0.000387	Oligo	FAM53C
KANK2.5	2.61E-08	-0.18499	0.014	0.094	0.00039	Oligo	KANK2
UBE2D1.5	2.63E-08	-0.22237	0.141	0.271	0.000393	Oligo	UBE2D1
CNNM2	2.66E-08	0.129084	0.056	0.018	0.000398	Oligo	CNNM2
CDC42BPB.2	2.67E-08	0.371311	0.193	0.116	0.000399	Oligo	CDC42BPB
NR3C2	2.67E-08	0.150407	0.033	0.008	0.0004	Oligo	NR3C2
GINS2.5	2.69E-08	-0.15532	0.019	0.102	0.000402	Oligo	GINS2
PIM1.4	2.70E-08	-0.27671	0.04	0.133	0.000404	Oligo	PIM1
GDF15.8	2.72E-08	-0.32701	0.002	0.072	0.000407	Oligo	GDF15
PPP2CA.4	2.73E-08	-0.24466	0.32	0.485	0.000408	Oligo	PPP2CA
PPP2CB.9	2.75E-08	0.360912	0.379	0.294	0.00041	Oligo	PPP2CB
OXLD1.5	2.75E-08	-0.13424	0.127	0.257	0.00041	Oligo	OXLD1
RSF1.7	2.75E-08	-0.23944	0.271	0.423	0.00041	Oligo	RSF1
POLR2C.7	2.77E-08	-0.1273	0.205	0.355	0.000413	Oligo	POLR2C
SYBU.7	2.77E-08	-0.18526	0.012	0.09	0.000415	Oligo	SYBU
PRRC2C.6	2.79E-08	-0.20093	0.327	0.488	0.000418	Oligo	PRRC2C
GRPEL1.3	2.80E-08	-0.15203	0.144	0.275	0.000418	Oligo	GRPEL1



KAT2A.4	2.80E-08	-0.17673	0.059	0.164	0.000418	Oligo	KAT2A
GPR84.9	2.81E-08	-0.32992	0.005	0.076	0.00042	Oligo	GPR84
CENPM.8	2.83E-08	-0.22835	0.005	0.076	0.000422	Oligo	CENPM
ZBTB7B.4	2.84E-08	0.141951	0.094	0.04	0.000424	Oligo	ZBTB7B
PTPRN.7	2.84E-08	-0.25766	0.005	0.076	0.000424	Oligo	PTPRN
ADAMTS6.5	2.84E-08	-0.14931	0	0.068	0.000424	Oligo	ADAMTS6
DOK3.9	2.84E-08	-0.25055	0	0.068	0.000424	Oligo	DOK3
SFXN5.7	2.84E-08	-0.27859	0.08	0.192	0.000424	Oligo	SFXN5
PAX6.6	2.85E-08	-0.15543	0.007	0.081	0.000426	Oligo	PAX6
CELF5.9	2.86E-08	-0.18323	0.014	0.094	0.000427	Oligo	CELF5
C19orf52.2	2.87E-08	-0.16838	0.068	0.178	0.000429	Oligo	C19orf52
CYB5A.5	2.87E-08	0.491028	0.416	0.339	0.000429	Oligo	CYB5A
EAF2.9	2.88E-08	-0.33662	0.016	0.096	0.00043	Oligo	EAF2
PLA2G6	2.91E-08	0.206631	0.082	0.033	0.000434	Oligo	PLA2G6
VAV1.9	2.92E-08	-0.29569	0.005	0.076	0.000436	Oligo	VAV1
BCL7C.5	2.92E-08	-0.2051	0.129	0.259	0.000436	Oligo	BCL7C
ARL3.5	2.98E-08	-0.2014	0.209	0.351	0.000445	Oligo	ARL3
FAM49B.8	2.98E-08	-0.24493	0.376	0.511	0.000445	Oligo	FAM49B
SNHG15.4	2.99E-08	-0.10907	0.104	0.226	0.000446	Oligo	SNHG15
PRSS23.7	3.00E-08	-0.29675	0.007	0.08	0.000448	Oligo	PRSS23
RB1CC1.7	3.00E-08	-0.22565	0.148	0.281	0.000448	Oligo	RB1CC1
PLRG1.5	3.00E-08	-0.20283	0.118	0.242	0.000448	Oligo	PLRG1
PTPN1.7	3.01E-08	-0.12047	0.111	0.236	0.00045	Oligo	PTPN1
VAV3.2	3.03E-08	-0.16703	0	0.068	0.000453	Oligo	VAV3
TRIB3.6	3.03E-08	-0.20244	0.005	0.077	0.000453	Oligo	TRIB3
KDSR.1	3.05E-08	0.363617	0.334	0.251	0.000456	Oligo	KDSR
RBP1.7	3.06E-08	-0.22051	0.344	0.464	0.000457	Oligo	RBP1
TNFAIP8.8	3.10E-08	-0.316	0.002	0.072	0.000463	Oligo	TNFAIP8
MECP2.1	3.11E-08	0.375545	0.287	0.199	0.000465	Oligo	MECP2
C9orf72.7	3.11E-08	-0.33223	0.056	0.154	0.000465	Oligo	C9orf72
GLIS3.3	3.13E-08	-0.16363	0.007	0.08	0.000467	Oligo	GLIS3
E2F3.3	3.18E-08	-0.19202	0.012	0.089	0.000476	Oligo	E2F3
PCK2.7	3.19E-08	-0.22582	0.002	0.072	0.000476	Oligo	PCK2
MKNK2.3	3.19E-08	-0.23246	0.078	0.188	0.000476	Oligo	MKNK2
ARMC7	3.19E-08	-0.20825	0.014	0.092	0.000476	Oligo	ARMC7
CBR3.5	3.21E-08	-0.19561	0.024	0.108	0.00048	Oligo	CBR3
ANKRD22.8	3.24E-08	-0.31541	0	0.067	0.000484	Oligo	ANKRD22
KIAA1109.3	3.26E-08	0.313279	0.195	0.117	0.000487	Oligo	KIAA1109
IFNAR2.6	3.26E-08	-0.17242	0.089	0.203	0.000487	Oligo	IFNAR2
GPRC5C.2	3.26E-08	-0.22096	0.002	0.072	0.000488	Oligo	GPRC5C
RNF219.5	3.27E-08	-0.18035	0.031	0.118	0.000488	Oligo	RNF219
SF3B4.2	3.29E-08	-0.19495	0.186	0.326	0.000491	Oligo	SF3B4
AREG.9	3.31E-08	-0.45658	0	0.067	0.000495	Oligo	AREG
TPRA1.2	3.34E-08	-0.11587	0.059	0.166	0.0005	Oligo	TPRA1
REEP1.9	3.36E-08	-0.2159	0.009	0.084	0.000502	Oligo	REEP1
SRGAP2.6	3.37E-08	-0.2602	0.118	0.237	0.000504	Oligo	SRGAP2
PSME3.4	3.40E-08	-0.16972	0.111	0.231	0.000508	Oligo	PSME3
MANBAL.9	3.42E-08	-0.19371	0.198	0.34	0.000511	Oligo	MANBAL
POLR1E.3	3.46E-08	-0.21633	0.028	0.115	0.000517	Oligo	POLR1E
SFPQ.6	3.49E-08	-0.19339	0.4	0.548	0.000521	Oligo	SFPQ
ITCH.2	3.49E-08	0.298712	0.181	0.106	0.000522	Oligo	ITCH

SIDT2. 2	3. 49E-08	0. 215421	0. 141	0. 073	0. 000522	Oligo	SIDT2
FGF14. 8	3. 50E-08	-0. 18729	0. 012	0. 088	0. 000523	Oligo	FGF14
PRKCD. 8	3. 51E-08	-0. 29569	0. 009	0. 083	0. 000524	Oligo	PRKCD
TINF2. 3	3. 52E-08	-0. 22898	0. 127	0. 253	0. 000526	Oligo	TINF2
BCAN. 9	3. 53E-08	-0. 42779	0. 162	0. 28	0. 000528	Oligo	BCAN
ACADM. 3	3. 53E-08	-0. 16491	0. 188	0. 336	0. 000528	Oligo	ACADM
PIK3AP1. 9	3. 54E-08	-0. 25696	0	0. 067	0. 000529	Oligo	PIK3AP1
LOXL1. 7	3. 56E-08	-0. 13402	0. 007	0. 08	0. 000532	Oligo	LOXL1
MRPS23. 6	3. 58E-08	-0. 13422	0. 224	0. 372	0. 000535	Oligo	MRPS23
RP3-399L1	3. 58E-08	0. 17842	0. 045	0. 013	0. 000536	Oligo	RP3-399L15. 3
ELOVL2. 9	3. 61E-08	-0. 13839	0. 019	0. 101	0. 00054	Oligo	ELOVL2
EHD1. 6	3. 61E-08	0. 290021	0. 2	0. 119	0. 00054	Oligo	EHD1
FAM64A. 9	3. 62E-08	-0. 24094	0. 002	0. 072	0. 000542	Oligo	FAM64A
DHRS11. 7	3. 63E-08	-0. 12975	0. 021	0. 106	0. 000542	Oligo	DHRS11
OST4. 4	3. 64E-08	-0. 16764	0. 628	0. 786	0. 000544	Oligo	OST4
NUP85. 4	3. 64E-08	-0. 19835	0. 035	0. 126	0. 000544	Oligo	NUP85
RMND1. 3	3. 66E-08	-0. 20653	0. 021	0. 104	0. 000548	Oligo	RMND1
COX7A2. 4	3. 67E-08	0. 236429	0. 812	0. 81	0. 000548	Oligo	COX7A2
PMS2. 7	3. 68E-08	-0. 15646	0. 038	0. 131	0. 000551	Oligo	PMS2
DBX2. 8	3. 70E-08	-0. 1421	0	0. 067	0. 000552	Oligo	DBX2
CIB2. 6	3. 74E-08	-0. 1353	0. 007	0. 08	0. 000559	Oligo	CIB2
SYTL3. 7	3. 78E-08	-0. 32579	0	0. 067	0. 000565	Oligo	SYTL3
NUP93. 3	3. 79E-08	-0. 16636	0. 075	0. 185	0. 000566	Oligo	NUP93
ITPRIPL2. 3	3. 82E-08	-0. 16876	0. 005	0. 076	0. 00057	Oligo	ITPRIPL2
HSD17B11. 3	3. 84E-08	-0. 34638	0. 254	0. 381	0. 000573	Oligo	HSD17B11
RP11-356C	3. 84E-08	0. 238879	0. 085	0. 035	0. 000573	Oligo	RP11-356C4. 3
NECAP1. 6	3. 85E-08	-0. 17988	0. 089	0. 202	0. 000576	Oligo	NECAP1
GART. 4	3. 86E-08	-0. 19022	0. 089	0. 204	0. 000577	Oligo	GART
HSD17B14. 3	3. 86E-08	-0. 32564	0. 016	0. 095	0. 000578	Oligo	HSD17B14
KIF3B. 9	3. 87E-08	-0. 12879	0. 04	0. 133	0. 000578	Oligo	KIF3B
PDLIM4. 7	3. 87E-08	-0. 31359	0. 005	0. 075	0. 000579	Oligo	PDLIM4
RRP15. 3	3. 88E-08	-0. 17847	0. 104	0. 224	0. 000579	Oligo	RRP15
DCP2. 5	3. 89E-08	-0. 24532	0. 054	0. 154	0. 000581	Oligo	DCP2
NUFIP1. 5	3. 89E-08	-0. 22768	0. 031	0. 118	0. 000581	Oligo	NUFIP1
UBN1. 6	3. 90E-08	-0. 20565	0. 066	0. 17	0. 000582	Oligo	UBN1
CRIPT. 3	3. 94E-08	0. 515219	0. 4	0. 324	0. 000588	Oligo	CRIPT
ZNF451. 4	3. 98E-08	0. 425046	0. 242	0. 159	0. 000595	Oligo	ZNF451
SRRD. 5	3. 98E-08	-0. 15822	0. 031	0. 119	0. 000595	Oligo	SRRD
SLC2A10. 5	4. 04E-08	-0. 13453	0	0. 066	0. 000603	Oligo	SLC2A10
UBE2E3. 8	4. 06E-08	-0. 2089	0. 325	0. 465	0. 000606	Oligo	UBE2E3
POMP. 3	4. 07E-08	-0. 12485	0. 591	0. 74	0. 000607	Oligo	POMP
CXCL3. 6	4. 08E-08	-0. 44159	0. 005	0. 075	0. 00061	Oligo	CXCL3
ITGB3BP. 7	4. 16E-08	-0. 22559	0. 049	0. 147	0. 000621	Oligo	ITGB3BP
TPRG1L. 1	4. 17E-08	0. 320582	0. 115	0. 055	0. 000623	Oligo	TPRG1L
ASGR1. 7	4. 25E-08	-0. 21972	0. 005	0. 075	0. 000636	Oligo	ASGR1
CAMK2G. 3	4. 28E-08	-0. 21368	0. 021	0. 103	0. 00064	Oligo	CAMK2G
ZNF511. 6	4. 31E-08	-0. 21889	0. 087	0. 2	0. 000644	Oligo	ZNF511
ZBTB80S. 4	4. 32E-08	-0. 17595	0. 16	0. 299	0. 000645	Oligo	ZBTB80S
SRRM3. 8	4. 33E-08	-0. 25457	0. 005	0. 075	0. 000647	Oligo	SRRM3
ARFIP1. 1	4. 37E-08	-0. 22304	0. 064	0. 166	0. 000654	Oligo	ARFIP1
ABL2. 8	4. 42E-08	-0. 2764	0. 151	0. 272	0. 00066	Oligo	ABL2

CACNA1A. 8	4. 50E-08	-0. 28955	0. 019	0. 098	0. 000673	Oligo	CACNA1A
TLR1. 9	4. 52E-08	-0. 29629	0. 002	0. 07	0. 000675	Oligo	TLR1
TRPT1. 3	4. 53E-08	-0. 25703	0. 111	0. 227	0. 000678	Oligo	TRPT1
NOL10. 4	4. 64E-08	-0. 14211	0. 056	0. 159	0. 000693	Oligo	NOL10
SIAH1. 7	4. 65E-08	-0. 2275	0. 113	0. 233	0. 000696	Oligo	SIAH1
ATE1. 2	4. 72E-08	0. 214933	0. 106	0. 048	0. 000705	Oligo	ATE1
UBR3. 1	4. 79E-08	0. 239738	0. 148	0. 079	0. 000715	Oligo	UBR3
EIF3G. 3	4. 79E-08	-0. 14206	0. 447	0. 626	0. 000715	Oligo	EIF3G
RP11-539L	4. 82E-08	-0. 23973	0. 019	0. 099	0. 00072	Oligo	RP11-539L10. 3
RP5-940J5	4. 84E-08	-0. 42315	0. 066	0. 165	0. 000724	Oligo	RP5-940J5. 9
FH. 5	4. 85E-08	-0. 15507	0. 111	0. 23	0. 000725	Oligo	FH
SKA2. 7	4. 89E-08	-0. 22631	0. 176	0. 312	0. 000731	Oligo	SKA2
LYRM1. 8	4. 92E-08	-0. 15173	0. 078	0. 187	0. 000736	Oligo	LYRM1
ASF1A. 7	4. 94E-08	-0. 2098	0. 118	0. 239	0. 000739	Oligo	ASF1A
TM9SF4. 3	4. 98E-08	-0. 1014	0. 08	0. 192	0. 000744	Oligo	TM9SF4
STX1A. 6	5. 00E-08	-0. 22691	0. 002	0. 07	0. 000747	Oligo	STX1A
WBSCR16. 5	5. 03E-08	-0. 19721	0. 052	0. 148	0. 000752	Oligo	WBSCR16
TIA1. 9	5. 08E-08	-0. 15337	0. 125	0. 253	0. 000759	Oligo	TIA1
LAPTM4B. 9	5. 22E-08	-0. 21013	0. 198	0. 336	0. 000781	Oligo	LAPTM4B
RREB1. 9	5. 24E-08	-0. 2319	0. 005	0. 074	0. 000783	Oligo	RREB1
SHARPIN. 4	5. 30E-08	-0. 20926	0. 169	0. 307	0. 000792	Oligo	SHARPIN
TRA2B. 6	5. 36E-08	-0. 1334	0. 381	0. 546	0. 000801	Oligo	TRA2B
MECR. 5	5. 37E-08	-0. 15396	0. 061	0. 164	0. 000802	Oligo	MECR
TASP1. 4	5. 43E-08	-0. 18	0. 016	0. 095	0. 000811	Oligo	TASP1
SLC36A4. 5	5. 46E-08	-0. 18141	0. 085	0. 197	0. 000817	Oligo	SLC36A4
NUDT19. 2	5. 48E-08	-0. 1781	0. 021	0. 103	0. 000819	Oligo	NUDT19
BLNK. 7	5. 50E-08	-0. 33882	0. 002	0. 07	0. 000822	Oligo	BLNK
C19orf43. 5	5. 62E-08	-0. 23438	0. 534	0. 678	0. 00084	Oligo	C19orf43
ATG16L2. 8	5. 63E-08	-0. 2192	0. 014	0. 09	0. 000841	Oligo	ATG16L2
LRP4. 6	5. 66E-08	0. 36499	0. 115	0. 057	0. 000847	Oligo	LRP4
DPAGT1. 3	5. 71E-08	-0. 16322	0. 049	0. 146	0. 000854	Oligo	DPAGT1
ILDR2. 8	5. 74E-08	-0. 12978	0. 009	0. 083	0. 000857	Oligo	ILDR2
GPX8. 8	5. 74E-08	-0. 15175	0	0. 065	0. 000858	Oligo	GPX8
MED4. 2	5. 76E-08	-0. 13317	0. 266	0. 422	0. 00086	Oligo	MED4
DPH3. 3	5. 78E-08	-0. 20367	0. 101	0. 218	0. 000864	Oligo	DPH3
NUDT16. 9	5. 79E-08	-0. 2373	0. 106	0. 224	0. 000866	Oligo	NUDT16
RITA1. 5	5. 80E-08	-0. 19029	0. 042	0. 135	0. 000867	Oligo	RITA1
CCDC43. 5	5. 84E-08	-0. 13663	0. 089	0. 203	0. 000872	Oligo	CCDC43
MTF1. 2	5. 85E-08	0. 483661	0. 179	0. 106	0. 000875	Oligo	MTF1
MAPK10. 8	5. 86E-08	-0. 2283	0. 089	0. 199	0. 000876	Oligo	MAPK10
TMEM35. 8	5. 87E-08	-0. 20809	0. 016	0. 094	0. 000877	Oligo	TMEM35
ARHGAP26. 5	5. 94E-08	-0. 23825	0. 016	0. 094	0. 000888	Oligo	ARHGAP26
TOX. 9	5. 96E-08	-0. 20339	0. 014	0. 09	0. 000891	Oligo	TOX
UBE2Z. 2	5. 99E-08	0. 335573	0. 256	0. 173	0. 000895	Oligo	UBE2Z
HS6ST2. 5	6. 00E-08	-0. 11916	0	0. 065	0. 000896	Oligo	HS6ST2
SYCE1L. 2	6. 02E-08	-0. 13851	0. 005	0. 074	0. 000899	Oligo	SYCE1L
BIRC5. 9	6. 13E-08	-0. 34521	0. 026	0. 107	0. 000915	Oligo	BIRC5
NANOS3. 7	6. 13E-08	-0. 14439	0	0. 065	0. 000916	Oligo	NANOS3
UNC45A. 2	6. 14E-08	-0. 24819	0. 064	0. 164	0. 000918	Oligo	UNC45A
EGR3. 4	6. 15E-08	-0. 33331	0. 026	0. 107	0. 00092	Oligo	EGR3
CDK11A. 3	6. 20E-08	-0. 19112	0. 089	0. 2	0. 000927	Oligo	CDK11A

PN01. 4	6. 21E-08	-0. 1156	0. 092	0. 206	0. 000928	Oligo	PN01
BLM. 4	6. 21E-08	-0. 13141	0. 009	0. 082	0. 000928	Oligo	BLM
TOP2A. 9	6. 25E-08	-0. 33893	0. 014	0. 089	0. 000934	Oligo	TOP2A
MF12-AS1. 6	6. 26E-08	-0. 16556	0. 007	0. 078	0. 000935	Oligo	MF12-AS1
PA2G4. 2	6. 28E-08	-0. 18026	0. 381	0. 545	0. 000938	Oligo	PA2G4
TGFB2. 6	6. 30E-08	-0. 19056	0. 002	0. 069	0. 000941	Oligo	TGFB2
SHD. 8	6. 30E-08	-0. 29464	0. 04	0. 129	0. 000942	Oligo	SHD
ATAD5. 4	6. 32E-08	-0. 18225	0. 007	0. 078	0. 000944	Oligo	ATAD5
TOR1B	6. 32E-08	-0. 18217	0. 021	0. 102	0. 000944	Oligo	TOR1B
DCAKD. 7	6. 33E-08	-0. 19249	0. 047	0. 142	0. 000946	Oligo	DCAKD
SCRN2. 2	6. 36E-08	-0. 14489	0. 071	0. 176	0. 00095	Oligo	SCRN2
SMIM12. 3	6. 43E-08	-0. 16243	0. 172	0. 307	0. 000962	Oligo	SMIM12
ING3. 4	6. 44E-08	-0. 24286	0. 082	0. 189	0. 000963	Oligo	ING3
CCL4L2. 7	6. 46E-08	-0. 5581	0. 014	0. 089	0. 000966	Oligo	CCL4L2
RENBP. 8	6. 52E-08	0. 168009	0. 228	0. 132	0. 000974	Oligo	RENBP
CCDC112. 8	6. 53E-08	-0. 19149	0. 136	0. 265	0. 000975	Oligo	CCDC112
MED19. 5	6. 53E-08	-0. 21634	0. 158	0. 286	0. 000975	Oligo	MED19
BTN2A2. 1	6. 54E-08	-0. 19143	0. 005	0. 074	0. 000977	Oligo	BTN2A2
CDK5RAP3. 6	6. 59E-08	-0. 20753	0. 259	0. 412	0. 000984	Oligo	CDK5RAP3
UBASH3B. 5	6. 67E-08	-0. 17017	0. 007	0. 078	0. 000996	Oligo	UBASH3B
SAAL1. 4	6. 71E-08	-0. 16488	0. 04	0. 131	0. 001003	Oligo	SAAL1
SWAP70. 9	6. 78E-08	-0. 22081	0. 108	0. 226	0. 001013	Oligo	SWAP70
PPM1M. 9	6. 84E-08	-0. 225	0. 007	0. 077	0. 001023	Oligo	PPM1M
LINC00662	6. 95E-08	-0. 16159	0. 08	0. 187	0. 001038	Oligo	LINC00662
THOC6. 5	6. 95E-08	-0. 23247	0. 071	0. 173	0. 001039	Oligo	THOC6
ARID3A. 3	6. 99E-08	-0. 15472	0. 031	0. 118	0. 001045	Oligo	ARID3A
LACTB. 9	7. 01E-08	-0. 26225	0. 068	0. 17	0. 001048	Oligo	LACTB
IK. 2	7. 05E-08	-0. 12559	0. 24	0. 394	0. 001053	Oligo	IK
SIAH2. 5	7. 06E-08	-0. 22775	0. 101	0. 214	0. 001055	Oligo	SIAH2
LAMA4. 7	7. 06E-08	-0. 17136	0. 005	0. 073	0. 001056	Oligo	LAMA4
MTRNR2L10	7. 12E-08	0. 461596	0. 139	0. 072	0. 001064	Oligo	MTRNR2L10
CREB3L1. 5	7. 15E-08	-0. 12465	0	0. 064	0. 001068	Oligo	CREB3L1
EHBP1L1. 8	7. 19E-08	-0. 1954	0. 005	0. 073	0. 001074	Oligo	EHBP1L1
MAF1. 5	7. 19E-08	-0. 20869	0. 282	0. 434	0. 001075	Oligo	MAF1
COQ7. 6	7. 27E-08	-0. 15097	0. 082	0. 191	0. 001086	Oligo	COQ7
TIAM2. 8	7. 28E-08	-0. 20032	0. 009	0. 082	0. 001088	Oligo	TIAM2
STK32B. 3	7. 31E-08	-0. 15204	0	0. 064	0. 001092	Oligo	STK32B
REEP4. 9	7. 32E-08	-0. 2706	0. 071	0. 171	0. 001094	Oligo	REEP4
PTDSS1. 5	7. 37E-08	-0. 20108	0. 094	0. 206	0. 001101	Oligo	PTDSS1
ABHD17C. 5	7. 37E-08	-0. 12266	0. 012	0. 086	0. 001102	Oligo	ABHD17C
TNFSF10. 6	7. 39E-08	-0. 34113	0. 007	0. 077	0. 001104	Oligo	TNFSF10
TMEM138. 3	7. 43E-08	-0. 12136	0. 071	0. 176	0. 001111	Oligo	TMEM138
ARHGAP25. 7	7. 44E-08	-0. 25614	0. 002	0. 068	0. 001112	Oligo	ARHGAP25
AC010642. 1	7. 51E-08	-0. 19686	0. 108	0. 227	0. 001122	Oligo	AC010642. 1
ABCA3. 6	7. 61E-08	0. 285627	0. 139	0. 074	0. 001138	Oligo	ABCA3
MCCC1. 3	7. 63E-08	-0. 19102	0. 054	0. 15	0. 00114	Oligo	MCCC1
IGFBP4. 4	7. 64E-08	-0. 21108	0. 002	0. 068	0. 001142	Oligo	IGFBP4
ATXN10. 5	7. 67E-08	-0. 22704	0. 273	0. 427	0. 001145	Oligo	ATXN10
SUPT16H. 7	7. 68E-08	-0. 20771	0. 132	0. 253	0. 001147	Oligo	SUPT16H
EDF1. 1	7. 70E-08	0. 267878	0. 774	0. 786	0. 001151	Oligo	EDF1
SGCE. 6	7. 70E-08	0. 270402	0. 238	0. 143	0. 001151	Oligo	SGCE

CLPB. 2	7. 72E-08	-0. 21657	0. 019	0. 097	0. 001154	Oligo	CLPB
SCNM1. 3	7. 78E-08	-0. 18703	0. 202	0. 344	0. 001163	Oligo	SCNM1
IGF1. 7	7. 80E-08	-0. 30642	0	0. 064	0. 001166	Oligo	IGF1
ESF1. 6	7. 81E-08	-0. 14278	0. 202	0. 351	0. 001167	Oligo	ESF1
TEF	7. 84E-08	0. 23388	0. 073	0. 029	0. 001171	Oligo	TEF
NUDCD2. 6	7. 84E-08	0. 394929	0. 473	0. 398	0. 001171	Oligo	NUDCD2
SMIM4. 4	7. 85E-08	-0. 24288	0. 146	0. 272	0. 001173	Oligo	SMIM4
GNS. 7	7. 86E-08	-0. 25936	0. 094	0. 203	0. 001174	Oligo	GNS
CRLF3. 6	7. 86E-08	-0. 19564	0. 031	0. 116	0. 001174	Oligo	CRLF3
GNAQ. 5	7. 91E-08	0. 351732	0. 36	0. 284	0. 001183	Oligo	GNAQ
SMC5. 1	7. 94E-08	-0. 17946	0. 078	0. 184	0. 001186	Oligo	SMC5
B4GALT5. 6	7. 96E-08	-0. 15124	0. 087	0. 201	0. 001189	Oligo	B4GALT5
KDM5B. 8	7. 98E-08	-0. 21557	0. 066	0. 166	0. 001193	Oligo	KDM5B
RECQL. 5	7. 98E-08	-0. 21661	0. 073	0. 176	0. 001193	Oligo	RECQL
COPB1. 1	7. 98E-08	-0. 25368	0. 16	0. 29	0. 001193	Oligo	COPB1
PRKCA. 5	8. 03E-08	-0. 16377	0. 092	0. 203	0. 0012	Oligo	PRKCA
RBM38. 6	8. 04E-08	-0. 10903	0. 045	0. 139	0. 001201	Oligo	RBM38
IGFBP6. 6	8. 04E-08	-0. 25795	0. 002	0. 068	0. 001202	Oligo	IGFBP6
RP11-624M	8. 07E-08	0. 101526	0. 019	0. 003	0. 001206	Oligo	RP11-624M. 1
CLIP3. 8	8. 22E-08	0. 366717	0. 28	0. 194	0. 001229	Oligo	CLIP3
DRAP1	8. 27E-08	-0. 16587	0. 515	0. 681	0. 001235	Oligo	DRAP1
PFDN2. 5	8. 28E-08	0. 388319	0. 635	0. 609	0. 001237	Oligo	PFDN2
FAM181A. 7	8. 35E-08	-0. 23531	0. 002	0. 068	0. 001247	Oligo	FAM181A
RAB3D. 1	8. 40E-08	-0. 17651	0. 007	0. 077	0. 001255	Oligo	RAB3D
ZMIZ2. 6	8. 40E-08	0. 276315	0. 169	0. 096	0. 001255	Oligo	ZMIZ2
FGF7. 1	8. 48E-08	0. 382113	0. 066	0. 024	0. 001267	Oligo	FGF7
TOPORS-AS	8. 48E-08	0. 431653	0. 224	0. 144	0. 001268	Oligo	TOPORS-AS1
REST. 4	8. 62E-08	-0. 18287	0. 089	0. 202	0. 001288	Oligo	REST
TCEAL2. 7	8. 62E-08	-0. 27335	0. 08	0. 183	0. 001288	Oligo	TCEAL2
ACSF2. 5	8. 70E-08	-0. 19906	0. 002	0. 068	0. 001301	Oligo	ACSF2
GIMAP2. 8	8. 74E-08	-0. 32573	0. 009	0. 079	0. 001306	Oligo	GIMAP2
EFNB3. 7	8. 77E-08	-0. 15983	0. 007	0. 076	0. 001311	Oligo	EFNB3
LSM12. 4	8. 86E-08	-0. 19308	0. 136	0. 264	0. 001323	Oligo	LSM12
NECAP2. 5	8. 86E-08	-0. 17688	0. 162	0. 297	0. 001323	Oligo	NECAP2
NDUFB6. 3	8. 93E-08	0. 381533	0. 541	0. 495	0. 001335	Oligo	NDUFB6
NDUFB5. 2	8. 95E-08	-0. 2028	0. 402	0. 567	0. 001337	Oligo	NDUFB5
PIGX. 7	8. 96E-08	-0. 1024	0. 127	0. 258	0. 00134	Oligo	PIGX
TET1. 8	9. 08E-08	-0. 13179	0. 012	0. 085	0. 001357	Oligo	TET1
SLC30A9. 8	9. 09E-08	-0. 21665	0. 134	0. 256	0. 001359	Oligo	SLC30A9
CCL20. 8	9. 10E-08	-0. 327	0	0. 063	0. 001359	Oligo	CCL20
CHERP. 5	9. 10E-08	-0. 19119	0. 068	0. 172	0. 00136	Oligo	CHERP
CDK2AP2. 6	9. 13E-08	0. 332723	0. 412	0. 326	0. 001365	Oligo	CDK2AP2
UIMC1. 3	9. 19E-08	-0. 188	0. 028	0. 112	0. 001373	Oligo	UIMC1
HOXB2. 6	9. 22E-08	-0. 26885	0. 014	0. 087	0. 001378	Oligo	HOXB2
PTBP3. 5	9. 26E-08	-0. 24172	0. 031	0. 114	0. 001384	Oligo	PTBP3
C15orf48.	9. 27E-08	-0. 3397	0. 005	0. 072	0. 001386	Oligo	C15orf48
IL4I1. 7	9. 31E-08	-0. 27971	0. 002	0. 067	0. 001391	Oligo	IL4I1
GEMIN6. 3	9. 37E-08	-0. 14955	0. 064	0. 166	0. 001401	Oligo	GEMIN6
THUMPD3. 4	9. 39E-08	-0. 14483	0. 085	0. 198	0. 001403	Oligo	THUMPD3
RHOH. 8	9. 40E-08	-0. 35057	0. 009	0. 079	0. 001405	Oligo	RHOH
MYO1G. 9	9. 50E-08	-0. 25127	0	0. 063	0. 00142	Oligo	MYO1G

BBC3. 3	9. 51E-08	-0. 22106	0. 012	0. 084	0. 001421	Oligo	BBC3
RPP30. 4	9. 57E-08	-0. 12373	0. 071	0. 172	0. 00143	Oligo	RPP30
ALDH16A1.	9. 61E-08	-0. 18758	0. 035	0. 123	0. 001436	Oligo	ALDH16A1
ABI2. 7	9. 66E-08	-0. 19651	0. 226	0. 367	0. 001444	Oligo	ABI2
RFC4. 6	9. 80E-08	-0. 14082	0. 061	0. 16	0. 001465	Oligo	RFC4
MAPK12. 4	9. 87E-08	-0. 12346	0. 005	0. 072	0. 001475	Oligo	MAPK12
PPP1R14C.	9. 93E-08	-0. 13811	0	0. 063	0. 001484	Oligo	PPP1R14C
IARS. 5	9. 99E-08	-0. 18775	0. 101	0. 214	0. 001493	Oligo	IARS
SPOP. 6	1. 01E-07	-0. 14218	0. 174	0. 314	0. 001504	Oligo	SPOP
BGN. 8	1. 01E-07	-0. 34292	0. 002	0. 067	0. 001514	Oligo	BGN
CFI. 5	1. 01E-07	-0. 20634	0	0. 063	0. 001517	Oligo	CFI
SOX2. 9	1. 02E-07	-0. 28804	0. 346	0. 432	0. 001517	Oligo	SOX2
IKZF1. 8	1. 02E-07	-0. 2859	0. 002	0. 067	0. 001518	Oligo	IKZF1
EXT2. 5	1. 02E-07	-0. 18988	0. 073	0. 175	0. 001525	Oligo	EXT2
PCGF5. 5	1. 03E-07	0. 297667	0. 264	0. 176	0. 001546	Oligo	PCGF5
MTIF2. 1	1. 04E-07	-0. 21517	0. 049	0. 143	0. 001548	Oligo	MTIF2
CTTNBP2. 7	1. 04E-07	0. 221566	0. 221	0. 133	0. 001549	Oligo	CTTNBP2
RALB. 6	1. 04E-07	-0. 26595	0. 064	0. 161	0. 001561	Oligo	RALB
C19orf81.	1. 06E-07	0. 194505	0. 108	0. 05	0. 001582	Oligo	C19orf81
FLII. 7	1. 06E-07	-0. 17651	0. 085	0. 191	0. 001588	Oligo	FLII
NFU1. 2	1. 06E-07	-0. 18028	0. 174	0. 305	0. 001591	Oligo	NFU1
PTRHD1. 4	1. 07E-07	-0. 13559	0. 186	0. 324	0. 001599	Oligo	PTRHD1
CAHM. 7	1. 08E-07	0. 306557	0. 158	0. 089	0. 001608	Oligo	CAHM
YME1L1. 7	1. 08E-07	-0. 21305	0. 139	0. 265	0. 001617	Oligo	YME1L1
SLC12A5. 7	1. 10E-07	-0. 26636	0. 019	0. 095	0. 001637	Oligo	SLC12A5
CLIP2. 8	1. 10E-07	0. 382702	0. 256	0. 173	0. 001649	Oligo	CLIP2
ACAA2. 7	1. 11E-07	-0. 32761	0. 108	0. 214	0. 001664	Oligo	ACAA2
C1orf109.	1. 12E-07	-0. 16689	0. 045	0. 135	0. 001673	Oligo	C1orf109
IDNK. 2	1. 13E-07	-0. 28547	0. 021	0. 098	0. 001687	Oligo	IDNK
CTD-3138E	1. 13E-07	-0. 17891	0. 012	0. 084	0. 001689	Oligo	CTD-3138B18. 5
PCDH19. 6	1. 13E-07	-0. 13427	0	0. 062	0. 001692	Oligo	PCDH19
LZTS1. 8	1. 13E-07	-0. 14416	0	0. 062	0. 001692	Oligo	LZTS1
ASF1B. 6	1. 13E-07	-0. 19408	0	0. 062	0. 001692	Oligo	ASF1B
GIMAP1. 8	1. 13E-07	-0. 26971	0. 007	0. 076	0. 001693	Oligo	GIMAP1
CEP89. 6	1. 14E-07	-0. 16467	0. 042	0. 134	0. 001697	Oligo	CEP89
YIF1A. 6	1. 14E-07	-0. 16369	0. 282	0. 43	0. 001697	Oligo	YIF1A
OLFML2B. 8	1. 14E-07	-0. 32445	0. 005	0. 07	0. 001703	Oligo	OLFML2B
CCDC25. 6	1. 15E-07	-0. 18108	0. 169	0. 302	0. 001716	Oligo	CCDC25
KDEL3. 2	1. 16E-07	-0. 14991	0	0. 062	0. 001729	Oligo	KDEL3
GAPT. 9	1. 16E-07	-0. 28388	0	0. 062	0. 001729	Oligo	GAPT
STAU1. 6	1. 16E-07	-0. 18209	0. 231	0. 371	0. 001737	Oligo	STAU1
TMEM100. 9	1. 16E-07	-0. 28764	0. 016	0. 091	0. 001737	Oligo	TMEM100
IL16. 8	1. 17E-07	-0. 30302	0. 005	0. 071	0. 001749	Oligo	IL16
AAMP. 4	1. 18E-07	-0. 12365	0. 275	0. 433	0. 001771	Oligo	AAMP
DNASE1L1.	1. 19E-07	-0. 25607	0. 007	0. 075	0. 001782	Oligo	DNASE1L1
GAS2L3. 5	1. 22E-07	-0. 16372	0. 005	0. 071	0. 001819	Oligo	GAS2L3
PAXIP1-AS	1. 23E-07	-0. 20599	0. 064	0. 162	0. 001834	Oligo	PAXIP1-AS1
RNF138. 2	1. 23E-07	-0. 2184	0. 08	0. 184	0. 001845	Oligo	RNF138
PPP1R11. 3	1. 24E-07	-0. 17467	0. 219	0. 365	0. 00186	Oligo	PPP1R11
TMEM91. 6	1. 25E-07	-0. 23638	0. 007	0. 075	0. 001864	Oligo	TMEM91
GLDC. 5	1. 25E-07	-0. 15545	0. 005	0. 071	0. 00187	Oligo	GLDC

KATNBL1.5	1.25E-07	-0.1742	0.132	0.256	0.001874	Oligo	KATNBL1
TARS.4	1.25E-07	-0.2242	0.115	0.231	0.001874	Oligo	TARS
NIP7.7	1.25E-07	-0.22541	0.073	0.176	0.001875	Oligo	NIP7
KHDRBS3.8	1.26E-07	-0.20875	0.106	0.219	0.001879	Oligo	KHDRBS3
FASTKD2.3	1.26E-07	-0.11165	0.026	0.107	0.001884	Oligo	FASTKD2
ARHGAP20.1	1.26E-07	-0.13758	0	0.062	0.001888	Oligo	ARHGAP20
VPS35.3	1.27E-07	-0.20132	0.287	0.436	0.001899	Oligo	VPS35
PTPRG.6	1.28E-07	-0.1688	0.007	0.075	0.001909	Oligo	PTPRG
AC008060.1	1.28E-07	0.158124	0.059	0.021	0.00191	Oligo	AC008060.7
FBX04.2	1.28E-07	-0.18333	0.031	0.114	0.001919	Oligo	FBX04
ZNF85.2	1.29E-07	-0.17499	0.014	0.087	0.001928	Oligo	ZNF85
RP3-460G2.1	1.29E-07	-0.36663	0	0.062	0.001929	Oligo	RP3-460G2.2
GCHFR.8	1.31E-07	-0.26157	0.009	0.079	0.001957	Oligo	GCHFR
APO01055.1	1.31E-07	-0.30963	0.012	0.083	0.001965	Oligo	APO01055.6
WDTC1.2	1.32E-07	0.298829	0.167	0.096	0.001978	Oligo	WDTC1
RP11-805I1	1.33E-07	0.103448	0.019	0.003	0.001995	Oligo	RP11-805I24.1
LCOR.3	1.34E-07	0.235978	0.146	0.078	0.002005	Oligo	LCOR
HSPB2.1	1.36E-07	0.14347	0.049	0.016	0.002025	Oligo	HSPB2
ASB16-AS1.1	1.36E-07	-0.1673	0.019	0.095	0.002027	Oligo	ASB16-AS1
FUNDC1.7	1.36E-07	-0.1933	0.132	0.25	0.002031	Oligo	FUNDC1
RAB9A.5	1.37E-07	0.411406	0.379	0.301	0.00205	Oligo	RAB9A
LILRA2.9	1.37E-07	-0.32266	0.014	0.087	0.002054	Oligo	LILRA2
PARP8.3	1.38E-07	-0.21417	0.005	0.07	0.002055	Oligo	PARP8
CAPRIN2.6	1.38E-07	-0.13058	0.026	0.107	0.002058	Oligo	CAPRIN2
AKAP8.3	1.38E-07	-0.1825	0.047	0.138	0.002059	Oligo	AKAP8
CARD14.1	1.41E-07	0.104237	0.026	0.005	0.002109	Oligo	CARD14
CERK.5	1.42E-07	-0.18199	0.028	0.11	0.002119	Oligo	CERK
CDV3.4	1.42E-07	-0.23664	0.155	0.28	0.00212	Oligo	CDV3
TRAPPC3.2	1.42E-07	-0.13847	0.292	0.443	0.002129	Oligo	TRAPPC3
DSTYK.5	1.43E-07	0.315276	0.193	0.118	0.00213	Oligo	DSTYK
KIAA0355.1	1.43E-07	0.315593	0.231	0.149	0.002139	Oligo	KIAA0355
C8orf82.7	1.44E-07	-0.14448	0.071	0.175	0.002146	Oligo	C8orf82
FAM111A.5	1.44E-07	-0.2454	0.031	0.112	0.002149	Oligo	FAM111A
BNIP1.7	1.44E-07	-0.22713	0.038	0.123	0.002156	Oligo	BNIP1
DDX46.5	1.45E-07	-0.1384	0.299	0.452	0.002172	Oligo	DDX46
C20orf196.1	1.46E-07	-0.1506	0.012	0.083	0.00218	Oligo	C20orf196
TEN1.4	1.47E-07	-0.18989	0.078	0.182	0.002197	Oligo	TEN1
RNF5.3	1.48E-07	0.384133	0.461	0.388	0.002214	Oligo	RNF5
PHYH.1	1.48E-07	-0.21011	0.068	0.17	0.002217	Oligo	PHYH
TIMM44.5	1.49E-07	-0.16553	0.141	0.267	0.002227	Oligo	TIMM44
AIFM1.4	1.49E-07	-0.2033	0.054	0.148	0.00223	Oligo	AIFM1
RFT1.3	1.50E-07	-0.17935	0.047	0.139	0.00224	Oligo	RFT1
AZIN1.4	1.50E-07	-0.20405	0.198	0.335	0.002244	Oligo	AZIN1
TRIM62.1	1.50E-07	0.239416	0.071	0.028	0.002248	Oligo	TRIM62
GSG1L.6	1.50E-07	-0.20763	0	0.061	0.002248	Oligo	GSG1L
DBNDD1.7	1.52E-07	-0.14245	0.005	0.07	0.002279	Oligo	DBNDD1
NRM.3	1.56E-07	-0.18038	0.014	0.087	0.002338	Oligo	NRM
VIPR2.8	1.57E-07	-0.27785	0.014	0.085	0.002342	Oligo	VIPR2
MARCO.5	1.57E-07	-0.39302	0	0.061	0.002349	Oligo	MARCO
TRPV2.9	1.61E-07	-0.24811	0	0.061	0.002401	Oligo	TRPV2
USP53.9	1.61E-07	-0.3591	0.056	0.144	0.002403	Oligo	USP53

TXNIP. 5	1. 61E-07	-0. 27054	0. 313	0. 451	0. 002413	Oligo	TXNIP
UBE2K. 2	1. 64E-07	-0. 21436	0. 172	0. 303	0. 002446	Oligo	UBE2K
KIF20B. 5	1. 65E-07	-0. 22388	0. 016	0. 09	0. 002462	Oligo	KIF20B
BET1. 6	1. 67E-07	-0. 20865	0. 113	0. 225	0. 002489	Oligo	BET1
EFNB2. 8	1. 67E-07	-0. 12817	0. 024	0. 102	0. 002496	Oligo	EFNB2
ENOPH1. 7	1. 67E-07	0. 321802	0. 447	0. 387	0. 002503	Oligo	ENOPH1
SGSM2. 3	1. 68E-07	-0. 14708	0. 026	0. 106	0. 002509	Oligo	SGSM2
SLC2A13. 1	1. 69E-07	-0. 16596	0. 016	0. 09	0. 002527	Oligo	SLC2A13
RNF168. 6	1. 70E-07	-0. 17552	0. 056	0. 152	0. 002541	Oligo	RNF168
NSMF. 5	1. 71E-07	-0. 17298	0. 035	0. 12	0. 002554	Oligo	NSMF
WNT5A. 9	1. 72E-07	-0. 21907	0	0. 061	0. 002563	Oligo	WNT5A
CTC-524C5	1. 72E-07	-0. 15255	0. 035	0. 121	0. 002564	Oligo	CTC-524C5. 2
MKI67. 8	1. 73E-07	-0. 24377	0. 002	0. 065	0. 002593	Oligo	MKI67
CC2D1B	1. 77E-07	0. 187104	0. 092	0. 041	0. 002638	Oligo	CC2D1B
VRK3. 6	1. 77E-07	-0. 15187	0. 106	0. 223	0. 00264	Oligo	VRK3
NXPH4. 7	1. 79E-07	-0. 20331	0. 002	0. 065	0. 002669	Oligo	NXPH4
TFDP1. 4	1. 79E-07	-0. 20725	0. 089	0. 195	0. 00267	Oligo	TFDP1
ITPRIP. 8	1. 79E-07	-0. 22662	0. 009	0. 077	0. 002672	Oligo	ITPRIP
ANTXR1. 5	1. 79E-07	-0. 18338	0. 019	0. 093	0. 002681	Oligo	ANTXR1
PKIA. 9	1. 79E-07	-0. 2488	0. 021	0. 096	0. 002682	Oligo	PKIA
ALAS1. 1	1. 80E-07	-0. 19885	0. 075	0. 175	0. 002685	Oligo	ALAS1
MAML2. 8	1. 81E-07	-0. 11851	0. 089	0. 202	0. 002698	Oligo	MAML2
TENM1. 6	1. 81E-07	-0. 14905	0. 007	0. 074	0. 002701	Oligo	TENM1
HRK. 7	1. 81E-07	-0. 19673	0. 002	0. 065	0. 002704	Oligo	HRK
PGGT1B. 3	1. 81E-07	-0. 16732	0. 024	0. 102	0. 002712	Oligo	PGGT1B
CCBL2. 2	1. 83E-07	-0. 21764	0. 042	0. 129	0. 002727	Oligo	CCBL2
RSU1. 4	1. 83E-07	-0. 24585	0. 148	0. 273	0. 002741	Oligo	RSU1
ENTPD3-AS	1. 84E-07	0. 387507	0. 153	0. 084	0. 002751	Oligo	ENTPD3-AS1
RPS6KA3. 6	1. 88E-07	-0. 17889	0. 049	0. 14	0. 002802	Oligo	RPS6KA3
SPAG9. 7	1. 88E-07	0. 337518	0. 419	0. 351	0. 002806	Oligo	SPAG9
C1orf174. 1	1. 88E-07	-0. 21067	0. 061	0. 158	0. 002809	Oligo	C1orf174
ATMIN. 8	1. 90E-07	0. 338168	0. 184	0. 113	0. 002834	Oligo	ATMIN
CDC42SE2. 1	1. 90E-07	0. 37189	0. 296	0. 216	0. 002844	Oligo	CDC42SE2
CCDC126. 5	1. 91E-07	-0. 2366	0. 035	0. 119	0. 002853	Oligo	CCDC126
ICOSLG. 9	1. 91E-07	0. 303048	0. 16	0. 088	0. 002855	Oligo	ICOSLG
C1orf53. 5	1. 92E-07	-0. 18435	0. 014	0. 086	0. 002874	Oligo	C1orf53
ZNF92. 7	1. 93E-07	-0. 21674	0. 056	0. 149	0. 002889	Oligo	ZNF92
MAEA. 4	1. 94E-07	-0. 20018	0. 122	0. 239	0. 002896	Oligo	MAEA
MTHFS. 6	1. 95E-07	-0. 27548	0. 089	0. 193	0. 002909	Oligo	MTHFS
YEATS4. 7	1. 95E-07	-0. 1747	0. 139	0. 255	0. 002911	Oligo	YEATS4
AHCYL1. 8	1. 97E-07	-0. 18876	0. 198	0. 332	0. 002941	Oligo	AHCYL1
IRF2BP2. 7	1. 97E-07	0. 36115	0. 391	0. 313	0. 00295	Oligo	IRF2BP2
POLR3F. 6	1. 98E-07	-0. 14493	0. 049	0. 14	0. 002961	Oligo	POLR3F
TPX2. 8	1. 99E-07	-0. 23221	0. 014	0. 085	0. 002967	Oligo	TPX2
IRF3. 2	2. 03E-07	-0. 12192	0. 127	0. 248	0. 003037	Oligo	IRF3
SMPDL3A. 7	2. 03E-07	-0. 25139	0. 042	0. 128	0. 003038	Oligo	SMPDL3A
TIFA. 4	2. 04E-07	-0. 21102	0	0. 06	0. 003052	Oligo	TIFA
COX5A. 6	2. 06E-07	-0. 22467	0. 452	0. 603	0. 003076	Oligo	COX5A
AKAP9. 7	2. 07E-07	-0. 19551	0. 315	0. 455	0. 00309	Oligo	AKAP9
ARSD. 1	2. 07E-07	-0. 17144	0. 019	0. 093	0. 003092	Oligo	ARSD
BAZ1B. 8	2. 07E-07	-0. 18535	0. 174	0. 303	0. 003094	Oligo	BAZ1B



GSK3B. 6	2. 07E-07	-0. 21661	0. 094	0. 201	0. 003097	Oligo	GSK3B
LSM14A. 4	2. 07E-07	-0. 1737	0. 233	0. 387	0. 003099	Oligo	LSM14A
CDKN2AIPN	2. 08E-07	-0. 12479	0. 132	0. 253	0. 003105	Oligo	CDKN2AIPNL
ZNF426. 6	2. 09E-07	-0. 17993	0. 033	0. 115	0. 003116	Oligo	ZNF426
SRPX2. 7	2. 09E-07	-0. 22769	0	0. 06	0. 003119	Oligo	SRPX2
CLEC4E. 7	2. 09E-07	-0. 34044	0	0. 06	0. 003119	Oligo	CLEC4E
NSMCE1. 3	2. 10E-07	-0. 14138	0. 259	0. 41	0. 003134	Oligo	NSMCE1
PPP3CC. 4	2. 14E-07	-0. 20501	0. 047	0. 136	0. 003205	Oligo	PPP3CC
UPRT. 2	2. 15E-07	-0. 17198	0. 016	0. 089	0. 003218	Oligo	UPRT
KLHL8. 3	2. 18E-07	-0. 13074	0. 047	0. 136	0. 003255	Oligo	KLHL8
HHEX. 9	2. 18E-07	-0. 27195	0	0. 06	0. 003258	Oligo	HHEX
FARP2. 1	2. 20E-07	0. 371101	0. 125	0. 065	0. 003288	Oligo	FARP2
NBN. 1	2. 21E-07	-0. 14111	0. 056	0. 151	0. 003301	Oligo	NBN
CELF3. 9	2. 22E-07	-0. 22095	0. 005	0. 068	0. 003322	Oligo	CELF3
SERPINB8.	2. 25E-07	-0. 22874	0. 012	0. 081	0. 003366	Oligo	SERPINB8
NAGK. 6	2. 27E-07	-0. 20031	0. 252	0. 386	0. 003392	Oligo	NAGK
CPEB4. 5	2. 28E-07	0. 273433	0. 332	0. 243	0. 003407	Oligo	CPEB4
TMEM39B. 2	2. 28E-07	-0. 11001	0. 042	0. 131	0. 003408	Oligo	TMEM39B
PLXDC2. 9	2. 28E-07	-0. 33794	0. 113	0. 213	0. 003409	Oligo	PLXDC2
STX4. 5	2. 31E-07	0. 372696	0. 393	0. 311	0. 003452	Oligo	STX4
TMEM43. 4	2. 32E-07	-0. 1456	0. 089	0. 195	0. 00346	Oligo	TMEM43
MALT1. 7	2. 35E-07	-0. 18647	0. 009	0. 076	0. 003515	Oligo	MALT1
PSEN2. 3	2. 36E-07	-0. 15288	0. 033	0. 115	0. 00352	Oligo	PSEN2
ZDHHC7. 4	2. 36E-07	-0. 18792	0. 056	0. 15	0. 003523	Oligo	ZDHHC7
DNALI1. 7	2. 37E-07	-0. 15494	0. 033	0. 116	0. 003543	Oligo	DNALI1
ZNF766. 4	2. 38E-07	-0. 15674	0. 042	0. 129	0. 00356	Oligo	ZNF766
VEZF1. 8	2. 38E-07	0. 423848	0. 313	0. 235	0. 003562	Oligo	VEZF1
HSPA6. 5	2. 39E-07	-0. 37697	0. 026	0. 102	0. 003572	Oligo	HSPA6
GMIP. 8	2. 42E-07	-0. 22351	0. 009	0. 076	0. 003609	Oligo	GMIP
NBEAL1. 6	2. 42E-07	-0. 31978	0. 534	0. 67	0. 003619	Oligo	NBEAL1
RASAL3. 8	2. 43E-07	-0. 24835	0	0. 059	0. 003633	Oligo	RASAL3
CXCL14. 6	2. 45E-07	-0. 25323	0. 052	0. 145	0. 003657	Oligo	CXCL14
USP6NL. 4	2. 45E-07	-0. 1247	0. 014	0. 085	0. 003659	Oligo	USP6NL
PIANP. 7	2. 46E-07	-0. 15006	0. 014	0. 084	0. 003674	Oligo	PIANP
DAPK3. 6	2. 47E-07	-0. 1218	0. 125	0. 243	0. 003689	Oligo	DAPK3
BNIP2. 8	2. 48E-07	-0. 23601	0. 151	0. 268	0. 003703	Oligo	BNIP2
JMJD1C. 7	2. 51E-07	-0. 18804	0. 205	0. 339	0. 00375	Oligo	JMJD1C
BACH1. 5	2. 52E-07	-0. 22365	0. 031	0. 11	0. 003772	Oligo	BACH1
C17orf49.	2. 53E-07	-0. 15427	0. 049	0. 141	0. 003781	Oligo	C17orf49
NOL4. 7	2. 54E-07	-0. 17938	0. 005	0. 068	0. 003796	Oligo	NOL4
ADPRHL2. 5	2. 55E-07	-0. 15028	0. 141	0. 266	0. 003813	Oligo	ADPRHL2
STAG2. 2	2. 55E-07	0. 427455	0. 318	0. 24	0. 003817	Oligo	STAG2
TFG. 4	2. 57E-07	-0. 20638	0. 266	0. 413	0. 003836	Oligo	TFG
LARP1. 4	2. 58E-07	0. 324465	0. 325	0. 249	0. 003857	Oligo	LARP1
PRIM1. 6	2. 59E-07	-0. 19846	0. 014	0. 084	0. 003864	Oligo	PRIM1
GIT1. 5	2. 59E-07	0. 354294	0. 172	0. 103	0. 003866	Oligo	GIT1
APITD1. 4	2. 59E-07	-0. 14156	0. 014	0. 084	0. 003876	Oligo	APITD1
ZMYND15. 6	2. 60E-07	-0. 19085	0	0. 059	0. 003879	Oligo	ZMYND15
CCDC57. 9	2. 63E-07	-0. 21555	0. 031	0. 11	0. 003931	Oligo	CCDC57
LIPE-AS1.	2. 70E-07	-0. 14569	0. 035	0. 119	0. 004042	Oligo	LIPE-AS1
MIR155HG.	2. 71E-07	-0. 19289	0	0. 059	0. 004051	Oligo	MIR155HG

LOXL3.3	2.74E-07	-0.21693	0.009	0.076	0.004094	Oligo	LOXL3
GTF2E2.3	2.75E-07	-0.19095	0.087	0.192	0.004105	Oligo	GTF2E2
RP11-263K	2.76E-07	-0.16236	0.005	0.068	0.004124	Oligo	RP11-263K19.4
FLOT1.8	2.79E-07	-0.17423	0.367	0.508	0.004171	Oligo	FLOT1
NUMBL.6	2.86E-07	-0.11992	0.019	0.092	0.004277	Oligo	NUMBL
SCAF11.5	2.90E-07	-0.11317	0.256	0.402	0.004335	Oligo	SCAF11
TMEM220.7	2.91E-07	-0.19577	0.007	0.071	0.004346	Oligo	TMEM220
SOX12.8	2.93E-07	-0.14621	0.035	0.119	0.004373	Oligo	SOX12
SKP1.7	2.96E-07	0.181769	0.864	0.865	0.004417	Oligo	SKP1
THAP2.3	2.98E-07	-0.23622	0.045	0.13	0.004459	Oligo	THAP2
TP53I11.6	3.02E-07	-0.2292	0.009	0.075	0.004515	Oligo	TP53I11
FPR3.9	3.02E-07	-0.2355	0	0.058	0.004517	Oligo	FPR3
METTL1.6	3.04E-07	-0.25405	0.059	0.151	0.004542	Oligo	METTL1
MGLL.5	3.05E-07	0.287909	0.221	0.142	0.004563	Oligo	MGLL
RP11-71N1	3.06E-07	0.334226	0.207	0.133	0.004579	Oligo	RP11-71N10.1
HIST2H2BE	3.06E-07	0.410874	0.221	0.144	0.00458	Oligo	HIST2H2BE
CRNKL1.3	3.07E-07	-0.14397	0.059	0.154	0.004587	Oligo	CRNKL1
FKBP7.5	3.08E-07	-0.25115	0.021	0.094	0.004596	Oligo	FKBP7
DPH2.5	3.09E-07	-0.14983	0.035	0.119	0.00461	Oligo	DPH2
LRRK2.8	3.09E-07	-0.22148	0.002	0.063	0.004619	Oligo	LRRK2
ATG5.3	3.09E-07	-0.11126	0.101	0.212	0.004624	Oligo	ATG5
FAM210A.4	3.11E-07	-0.2005	0.054	0.145	0.004648	Oligo	FAM210A
NDFIP2.6	3.12E-07	0.393934	0.266	0.189	0.004657	Oligo	NDFIP2
MTFMT.2	3.13E-07	-0.152	0.026	0.103	0.004675	Oligo	MTFMT
UTY	3.15E-07	0.164853	0.068	0.027	0.004702	Oligo	UTY
PQBP1.3	3.17E-07	-0.2129	0.214	0.349	0.004734	Oligo	PQBP1
AIDA.4	3.20E-07	-0.20171	0.122	0.24	0.004777	Oligo	AIDA
ANP32A.9	3.22E-07	-0.137	0.282	0.434	0.004812	Oligo	ANP32A
NOP2.1	3.22E-07	-0.19026	0.031	0.109	0.004815	Oligo	NOP2
ARAP3.6	3.25E-07	-0.14727	0.005	0.067	0.004853	Oligo	ARAP3
ELL.5	3.25E-07	-0.20206	0.026	0.103	0.004859	Oligo	ELL
HOXA2.8	3.26E-07	-0.22908	0.009	0.075	0.00487	Oligo	HOXA2
ANP32B.8	3.26E-07	-0.2374	0.311	0.455	0.004876	Oligo	ANP32B
RARA.4	3.32E-07	-0.19568	0.024	0.098	0.004963	Oligo	RARA
PLAC8.8	3.32E-07	-0.33957	0.007	0.07	0.004965	Oligo	PLAC8
RAB11A.3	3.33E-07	-0.21044	0.32	0.472	0.004975	Oligo	RAB11A
RAP2C.2	3.34E-07	-0.17202	0.042	0.128	0.004985	Oligo	RAP2C
YAE1D1.7	3.37E-07	-0.13414	0.068	0.163	0.00503	Oligo	YAE1D1
RNF187.7	3.40E-07	-0.12345	0.242	0.383	0.00508	Oligo	RNF187
FPGS.3	3.41E-07	-0.15632	0.059	0.153	0.0051	Oligo	FPGS
SAMD14.6	3.43E-07	-0.1687	0.005	0.066	0.005129	Oligo	SAMD14
NOTCH3.4	3.47E-07	-0.11978	0.002	0.062	0.005179	Oligo	NOTCH3
CAMLG.8	3.48E-07	-0.15227	0.351	0.499	0.005205	Oligo	CAMLG
CDCA4.6	3.50E-07	-0.19872	0.019	0.09	0.005238	Oligo	CDCA4
NCEH1.7	3.51E-07	-0.19359	0.007	0.07	0.00524	Oligo	NCEH1
AP3D1.5	3.51E-07	-0.20443	0.186	0.313	0.00525	Oligo	AP3D1
FTSJ3.2	3.53E-07	-0.15702	0.059	0.152	0.005273	Oligo	FTSJ3
DNM1.5	3.53E-07	-0.11717	0.009	0.075	0.005275	Oligo	DNM1
NEDD8.4	3.56E-07	-0.14197	0.593	0.751	0.005313	Oligo	NEDD8
FRMD3.6	3.60E-07	-0.19223	0	0.058	0.005376	Oligo	FRMD3
NLGN4Y	3.60E-07	0.16134	0.073	0.03	0.005376	Oligo	NLGN4Y

PLEKHG2.3	3.61E-07	-0.18994	0.005	0.067	0.005399	Oligo	PLEKHG2
TMX3.2	3.63E-07	-0.15763	0.066	0.161	0.005431	Oligo	TMX3
HARS.4	3.65E-07	-0.19735	0.16	0.286	0.005448	Oligo	HARS
DHRS4L2.3	3.65E-07	-0.13152	0.146	0.266	0.005452	Oligo	DHRS4L2
SORBS3.6	3.65E-07	-0.166	0.078	0.176	0.005456	Oligo	SORBS3
ST7.4	3.67E-07	-0.20745	0.031	0.109	0.005482	Oligo	ST7
NFRKB.2	3.69E-07	-0.20051	0.026	0.101	0.005512	Oligo	NFRKB
WDR60.6	3.70E-07	-0.1677	0.12	0.236	0.005531	Oligo	WDR60
USP30.2	3.71E-07	0.252138	0.118	0.06	0.005549	Oligo	USP30
BCHE.6	3.73E-07	-0.1781	0.087	0.19	0.005577	Oligo	BCHE
CLN5.3	3.75E-07	-0.17822	0.113	0.225	0.005606	Oligo	CLN5
SIPA1.9	3.77E-07	-0.23621	0.054	0.142	0.00564	Oligo	SIPA1
AMFR.2	3.80E-07	0.375484	0.245	0.17	0.00568	Oligo	AMFR
GTF2H2.7	3.82E-07	-0.17226	0.085	0.188	0.005713	Oligo	GTF2H2
ZC3HAV1.5	3.85E-07	-0.24503	0.082	0.18	0.005759	Oligo	ZC3HAV1
TMEM216.2	3.88E-07	-0.21606	0.014	0.083	0.005793	Oligo	TMEM216
ZNF121.3	3.88E-07	-0.1626	0.033	0.113	0.005802	Oligo	ZNF121
ZC3H12A.7	3.91E-07	-0.24065	0.012	0.079	0.005844	Oligo	ZC3H12A
SLFN5.2	3.93E-07	0.210578	0.115	0.058	0.005873	Oligo	SLFN5
ZBTB1.3	3.93E-07	-0.23479	0.073	0.168	0.005876	Oligo	ZBTB1
DEDD2.4	3.99E-07	-0.21565	0.078	0.176	0.005959	Oligo	DEDD2
ACAP1.7	4.01E-07	-0.20331	0.014	0.082	0.005988	Oligo	ACAP1
CLDN10.7	4.01E-07	-0.31269	0	0.057	0.005993	Oligo	CLDN10
EIF4A2.6	4.03E-07	-0.11	0.579	0.725	0.006019	Oligo	EIF4A2
HPCA.7	4.09E-07	-0.19487	0.002	0.062	0.006111	Oligo	HPCA
RINT1.6	4.09E-07	-0.18294	0.024	0.098	0.006113	Oligo	RINT1
GOSR1.7	4.11E-07	-0.13213	0.148	0.272	0.00614	Oligo	GOSR1
GMPPA.3	4.14E-07	-0.18554	0.068	0.163	0.006185	Oligo	GMPPA
ANAPC15.4	4.16E-07	-0.18642	0.148	0.266	0.006221	Oligo	ANAPC15
SREK1.7	4.17E-07	-0.11414	0.193	0.327	0.006239	Oligo	SREK1
SLC25A38.4	4.19E-07	-0.18683	0.059	0.149	0.006267	Oligo	SLC25A38
TM7SF3.3	4.22E-07	-0.15892	0.134	0.255	0.006299	Oligo	TM7SF3
ADK.3	4.22E-07	-0.17967	0.073	0.169	0.006301	Oligo	ADK
PYURF.5	4.29E-07	-0.21649	0.405	0.546	0.006413	Oligo	PYURF
POFUT1.4	4.31E-07	-0.17241	0.038	0.12	0.006444	Oligo	POFUT1
PABPC1L.1	4.34E-07	-0.11469	0.007	0.07	0.006483	Oligo	PABPC1L
SOX6.8	4.34E-07	-0.16321	0.054	0.144	0.006488	Oligo	SOX6
ZNF354A.5	4.34E-07	-0.1743	0.04	0.123	0.00649	Oligo	ZNF354A
MAPK11.5	4.37E-07	-0.10684	0	0.057	0.006537	Oligo	MAPK11
UQCC2.5	4.38E-07	-0.2082	0.294	0.432	0.006548	Oligo	UQCC2
AMPD2.6	4.39E-07	-0.13793	0.064	0.155	0.006556	Oligo	AMPD2
KLHL42.8	4.42E-07	0.30532	0.231	0.156	0.006604	Oligo	KLHL42
PCSK5.1	4.45E-07	-0.14735	0.002	0.061	0.006654	Oligo	PCSK5
ALDH1L1.8	4.47E-07	-0.26784	0.005	0.066	0.006686	Oligo	ALDH1L1
EPS15L1.5	4.49E-07	-0.11506	0.071	0.169	0.006713	Oligo	EPS15L1
B4GALNT1.4	4.51E-07	-0.29546	0.059	0.146	0.006745	Oligo	B4GALNT1
HPS3.5	4.52E-07	-0.19284	0.056	0.145	0.006755	Oligo	HPS3
ATL2.1	4.52E-07	-0.17491	0.007	0.07	0.006755	Oligo	ATL2
CCNB2.8	4.53E-07	-0.23242	0.005	0.065	0.006767	Oligo	CCNB2
ZCCHC7.6	4.55E-07	-0.12618	0.056	0.146	0.006796	Oligo	ZCCHC7
BRIX1.7	4.56E-07	-0.14758	0.139	0.258	0.00682	Oligo	BRIX1

SCAMP4.6	4.58E-07	0.318739	0.339	0.266	0.006843	Oligo	SCAMP4
PRKAB1.3	4.62E-07	-0.24202	0.068	0.161	0.006898	Oligo	PRKAB1
SPSB4.7	4.62E-07	-0.12747	0.002	0.061	0.006909	Oligo	SPSB4
LSG1.6	4.63E-07	-0.11026	0.045	0.131	0.006913	Oligo	LSG1
PSMD11.6	4.66E-07	-0.16602	0.259	0.413	0.006969	Oligo	PSMD11
SDS.9	4.68E-07	-0.33409	0.002	0.061	0.006989	Oligo	SDS
SERINC3.3	4.68E-07	0.355761	0.426	0.363	0.006998	Oligo	SERINC3
CSGALNACT1	4.71E-07	-0.27649	0.012	0.077	0.007032	Oligo	CSGALNACT1
FUT9.1	4.71E-07	0.198218	0.047	0.015	0.007038	Oligo	FUT9
SHOX2.6	4.73E-07	-0.12052	0.005	0.066	0.007065	Oligo	SHOX2
KDM2B.4	4.74E-07	-0.174	0.049	0.138	0.007084	Oligo	KDM2B
CCT2.4	4.76E-07	-0.29009	0.414	0.55	0.007107	Oligo	CCT2
NLGN4X.7	4.76E-07	-0.16705	0.031	0.108	0.007112	Oligo	NLGN4X
C19orf60.	4.80E-07	-0.25004	0.367	0.507	0.007174	Oligo	C19orf60
NOSIP	4.80E-07	-0.11556	0.282	0.442	0.007177	Oligo	NOSIP
ABTB2	4.81E-07	0.117133	0.049	0.017	0.007189	Oligo	ABTB2
RP11-620J	4.83E-07	-0.28358	0.158	0.274	0.007225	Oligo	RP11-620J15.3
HDHD3.1	4.84E-07	-0.16822	0.033	0.112	0.007227	Oligo	HDHD3
TRIM25.4	4.84E-07	-0.11811	0.019	0.09	0.007233	Oligo	TRIM25
VPS36.5	4.87E-07	-0.20696	0.099	0.205	0.007282	Oligo	VPS36
FREM2.6	4.88E-07	-0.10111	0.007	0.07	0.007286	Oligo	FREM2
FAS.2	4.91E-07	-0.25137	0.007	0.069	0.007334	Oligo	FAS
CWC25.2	4.95E-07	-0.13402	0.099	0.205	0.007403	Oligo	CWC25
ZWILCH.4	4.95E-07	-0.17352	0.012	0.078	0.007404	Oligo	ZWILCH
CENPT.6	4.96E-07	-0.17809	0.092	0.193	0.007407	Oligo	CENPT
RRM2.8	4.97E-07	-0.25511	0.005	0.065	0.007426	Oligo	RRM2
USP10.5	4.99E-07	-0.14667	0.129	0.247	0.007459	Oligo	USP10
ATP5H.4	5.02E-07	-0.17438	0.513	0.654	0.007499	Oligo	ATP5H
TVP23B.4	5.02E-07	-0.18064	0.028	0.104	0.007506	Oligo	TVP23B
CXXC1.3	5.06E-07	-0.15686	0.078	0.177	0.007557	Oligo	CXXC1
MCHR1.6	5.11E-07	-0.11797	0.002	0.061	0.007633	Oligo	MCHR1
MTMR11.4	5.14E-07	-0.18414	0.009	0.073	0.007674	Oligo	MTMR11
LRCH1.3	5.14E-07	-0.18209	0.002	0.06	0.007685	Oligo	LRCH1
CCDC151.6	5.14E-07	-0.2328	0.005	0.065	0.007686	Oligo	CCDC151
TMEM141.6	5.15E-07	0.497568	0.327	0.25	0.007693	Oligo	TMEM141
YDJC.5	5.16E-07	-0.11055	0.056	0.147	0.007708	Oligo	YDJC
DRG2.3	5.19E-07	-0.16269	0.099	0.204	0.00775	Oligo	DRG2
CCDC152	5.22E-07	0.195462	0.122	0.062	0.007804	Oligo	CCDC152
EIF4EBP2.	5.24E-07	-0.22689	0.056	0.144	0.007834	Oligo	EIF4EBP2
RCBTB2.8	5.25E-07	-0.28258	0.059	0.145	0.00785	Oligo	RCBTB2
PSMA5.3	5.27E-07	-0.14811	0.299	0.448	0.007879	Oligo	PSMA5
ANKS6	5.28E-07	0.234761	0.075	0.032	0.007896	Oligo	ANKS6
SLC39A8.7	5.30E-07	-0.20943	0.002	0.06	0.007922	Oligo	SLC39A8
SLC7A60S.	5.33E-07	-0.23472	0.052	0.137	0.00796	Oligo	SLC7A60S
NDUFA11.3	5.34E-07	0.259883	0.758	0.74	0.007973	Oligo	NDUFA11
CLSTN3.6	5.37E-07	-0.15974	0.002	0.06	0.008027	Oligo	CLSTN3
KCNJ16.7	5.43E-07	-0.13115	0	0.056	0.008122	Oligo	KCNJ16
CCDC14.6	5.44E-07	-0.18241	0.118	0.231	0.008123	Oligo	CCDC14
SCMH1.4	5.44E-07	-0.16315	0.014	0.081	0.008135	Oligo	SCMH1
PRPF6.7	5.50E-07	-0.13702	0.224	0.358	0.008212	Oligo	PRPF6
MMP19.5	5.52E-07	-0.25	0.002	0.06	0.008251	Oligo	MMP19

CRISPLD1. 5.	5.53E-07	-0.19023	0.021	0.092	0.008261	Oligo	CRISPLD1
FAM198B. 6	5.55E-07	0.213221	0.118	0.059	0.0083	Oligo	FAM198B
PRKAR1B. 6	5.59E-07	-0.2034	0.047	0.131	0.008349	Oligo	PRKAR1B
ARHGEF7. 7	5.59E-07	0.305499	0.235	0.155	0.008359	Oligo	ARHGEF7
DDX55. 5	5.60E-07	-0.21925	0.04	0.121	0.008367	Oligo	DDX55
RP11-698N	5.68E-07	-0.16475	0.002	0.06	0.008495	Oligo	RP11-698N11.2
FADD. 3	5.71E-07	-0.13722	0.052	0.139	0.008531	Oligo	FADD
RBM23. 1	5.74E-07	-0.18056	0.148	0.269	0.008579	Oligo	RBM23
PPIL1. 5	5.77E-07	-0.15038	0.094	0.198	0.008625	Oligo	PPIL1
UXT. 6	5.78E-07	-0.17242	0.388	0.543	0.008639	Oligo	UXT
TNFRSF11E	5.80E-07	-0.21776	0	0.056	0.008668	Oligo	TNFRSF11B
SLC22A18. 5	5.80E-07	-0.11033	0.042	0.127	0.008668	Oligo	SLC22A18
TNFAIP1. 7	5.80E-07	-0.11301	0.078	0.179	0.008672	Oligo	TNFAIP1
EMILIN1. 1	5.85E-07	-0.12662	0.002	0.06	0.008738	Oligo	EMILIN1
ABCB7	5.87E-07	-0.20354	0.035	0.114	0.008777	Oligo	ABCB7
MPPED2. 7	5.92E-07	-0.17745	0.021	0.092	0.008839	Oligo	MPPED2
FUCA2. 9	5.93E-07	-0.18227	0.134	0.247	0.008863	Oligo	FUCA2
PTPN7. 9	5.93E-07	-0.27429	0.014	0.081	0.008867	Oligo	PTPN7
DNAJC3. 5	5.97E-07	-0.23331	0.172	0.297	0.008915	Oligo	DNAJC3
DHRS13. 5	5.97E-07	-0.11657	0.026	0.1	0.008916	Oligo	DHRS13
MBIP. 7	6.03E-07	-0.14535	0.085	0.183	0.009014	Oligo	MBIP
RRBP1. 4	6.06E-07	0.362122	0.374	0.294	0.009054	Oligo	RRBP1
ARG2. 6	6.07E-07	-0.29629	0.028	0.102	0.009068	Oligo	ARG2
STIM1. 1	6.08E-07	-0.15033	0.007	0.069	0.009087	Oligo	STIM1
SCAMP2. 9	6.09E-07	-0.18515	0.247	0.379	0.009101	Oligo	SCAMP2
HERPUD2. 4	6.09E-07	-0.12322	0.08	0.178	0.009107	Oligo	HERPUD2
CLP1. 3	6.13E-07	-0.18846	0.012	0.077	0.009157	Oligo	CLP1
MTMR6. 4	6.14E-07	0.247278	0.219	0.142	0.009178	Oligo	MTMR6
ACADSB	6.15E-07	0.191327	0.085	0.038	0.009196	Oligo	ACADSB
RRAGB. 6	6.16E-07	-0.18154	0.035	0.114	0.0092	Oligo	RRAGB
SNX3. 3	6.19E-07	-0.18156	0.593	0.721	0.009243	Oligo	SNX3
LILRB2. 9	6.19E-07	-0.25811	0	0.055	0.009251	Oligo	LILRB2
CSNK1G3. 7	6.23E-07	-0.14668	0.064	0.156	0.009315	Oligo	CSNK1G3
CREB1. 5	6.27E-07	-0.15878	0.132	0.245	0.009363	Oligo	CREB1
KDELC2. 1	6.27E-07	-0.16001	0.012	0.077	0.009367	Oligo	KDELC2
LINC00957	6.28E-07	0.107773	0.033	0.009	0.00938	Oligo	LINC00957
CPD. 5	6.29E-07	0.275797	0.233	0.157	0.009395	Oligo	CPD
ARHGAP12. 6	6.29E-07	-0.17744	0.092	0.193	0.0094	Oligo	ARHGAP12
TFPI. 4	6.33E-07	-0.17372	0	0.055	0.009453	Oligo	TFPI
SPPL3. 7	6.34E-07	0.414439	0.271	0.195	0.009476	Oligo	SPPL3
ATRX. 6	6.37E-07	-0.11848	0.301	0.449	0.009519	Oligo	ATRX
SP140L. 5	6.43E-07	-0.23708	0.014	0.08	0.009616	Oligo	SP140L
CTTNBP2NL	6.44E-07	-0.16911	0.066	0.157	0.00962	Oligo	CTTNBP2NL
CDK14. 5	6.45E-07	-0.15329	0.014	0.081	0.009635	Oligo	CDK14
CLEC4A. 9	6.45E-07	-0.27959	0.005	0.064	0.009643	Oligo	CLEC4A
OSBPL11. 1	6.46E-07	-0.15658	0.024	0.096	0.009658	Oligo	OSBPL11
PTGS2. 8	6.53E-07	-0.26984	0.005	0.063	0.009755	Oligo	PTGS2
PDCD6. 3	6.56E-07	-0.19181	0.386	0.54	0.009799	Oligo	PDCD6
IFRD2. 3	6.56E-07	-0.17004	0.104	0.212	0.0098	Oligo	IFRD2
HOXA10. 9	6.58E-07	-0.22639	0.014	0.079	0.009829	Oligo	HOXA10
ELMOD2. 1	6.58E-07	-0.14399	0.031	0.107	0.009837	Oligo	ELMOD2

ATAT1.9	6.58E-07	-0.21883	0.176	0.293	0.00984	Oligo	ATAT1
PRAM1.7	6.61E-07	-0.25007	0	0.055	0.009872	Oligo	PRAM1
MOB3A.4	6.62E-07	-0.21081	0.073	0.166	0.009893	Oligo	MOB3A
NUDCD1.4	6.65E-07	-0.16767	0.028	0.103	0.009934	Oligo	NUDCD1
CMSS1.6	6.68E-07	-0.14111	0.169	0.294	0.009989	Oligo	CMSS1
MOXD1.7	6.75E-07	-0.14124	0	0.055	0.010089	Oligo	MOXD1
TCF7.6	6.76E-07	-0.14349	0.054	0.143	0.010098	Oligo	TCF7
DPH5.2	6.76E-07	-0.11467	0.073	0.168	0.010109	Oligo	DPH5
RASA3.3	6.77E-07	0.309121	0.158	0.091	0.010117	Oligo	RASA3
PLXNC1.9	6.81E-07	-0.20129	0.007	0.068	0.010179	Oligo	PLXNC1
TNIP2.4	6.82E-07	-0.19062	0.073	0.168	0.010194	Oligo	TNIP2
BCOR.2	6.84E-07	0.182267	0.106	0.052	0.010229	Oligo	BCOR
TMED10.4	6.86E-07	0.244407	0.659	0.611	0.010248	Oligo	TMED10
SLC35B3.1	6.88E-07	-0.15921	0.045	0.128	0.010276	Oligo	SLC35B3
MTA1.6	6.89E-07	-0.16663	0.092	0.194	0.010296	Oligo	MTA1
RP11-345J	6.89E-07	-0.16566	0.125	0.239	0.010299	Oligo	RP11-345J4.5
CNKSR2.7	6.91E-07	-0.12739	0.005	0.064	0.010325	Oligo	CNKSR2
CCDC88B.3	6.95E-07	-0.23859	0.016	0.084	0.010391	Oligo	CCDC88B
ISY1.3	7.04E-07	-0.19241	0.08	0.178	0.010518	Oligo	ISY1
KIAA0101.7	7.04E-07	-0.22319	0.04	0.12	0.010527	Oligo	KIAA0101
ZNF302.8	7.05E-07	0.387599	0.379	0.312	0.010531	Oligo	ZNF302
SLC15A3.8	7.10E-07	-0.25945	0.009	0.071	0.010607	Oligo	SLC15A3
TXNRD2.3	7.10E-07	-0.12804	0.04	0.121	0.010607	Oligo	TXNRD2
GMPR2.3	7.11E-07	-0.18095	0.111	0.219	0.010622	Oligo	GMPR2
FOXN3.6	7.11E-07	-0.19875	0.151	0.259	0.010628	Oligo	FOXN3
SPC25.8	7.14E-07	-0.20465	0.005	0.064	0.010668	Oligo	SPC25
ZNF44.4	7.15E-07	-0.15246	0.031	0.107	0.010678	Oligo	ZNF44
ASNSD1.7	7.16E-07	-0.12486	0.158	0.275	0.010699	Oligo	ASNSD1
PDCD5.7	7.20E-07	-0.15529	0.4	0.544	0.010762	Oligo	PDCD5
GRSF1.5	7.28E-07	-0.15925	0.2	0.327	0.010882	Oligo	GRSF1
SAFB2.5	7.31E-07	-0.14429	0.202	0.336	0.010927	Oligo	SAFB2
DIAPH2.5	7.36E-07	-0.21232	0.007	0.067	0.010992	Oligo	DIAPH2
SRFBP1.3	7.41E-07	-0.15248	0.085	0.184	0.01108	Oligo	SRFBP1
SAMD10.5	7.42E-07	-0.12177	0.002	0.059	0.011093	Oligo	SAMD10
PHF20L1.8	7.50E-07	-0.15038	0.191	0.312	0.011211	Oligo	PHF20L1
TACC3.5	7.50E-07	-0.21453	0.014	0.079	0.011212	Oligo	TACC3
CNR1.7	7.54E-07	-0.14217	0.012	0.076	0.011264	Oligo	CNR1
SYDE1.5	7.54E-07	-0.11279	0.009	0.072	0.011269	Oligo	SYDE1
F11R.8	7.56E-07	-0.22682	0.002	0.059	0.011303	Oligo	F11R
ZNF428.9	7.57E-07	-0.22783	0.447	0.548	0.011315	Oligo	ZNF428
PSENE1.5	7.59E-07	-0.16449	0.344	0.498	0.011339	Oligo	PSENE1
FN3KRP.4	7.60E-07	0.491871	0.292	0.218	0.011359	Oligo	FN3KRP
FASTKD5.3	7.62E-07	-0.14231	0.035	0.113	0.011391	Oligo	FASTKD5
ZHX1.8	7.66E-07	-0.10252	0.106	0.213	0.011452	Oligo	ZHX1
SIK1.8	7.66E-07	-0.31337	0.031	0.103	0.011454	Oligo	SIK1
PLXNA1.2	7.67E-07	-0.14856	0.019	0.088	0.011457	Oligo	PLXNA1
PI3.5	7.69E-07	-0.44038	0	0.055	0.011489	Oligo	PI3
METTL22.3	7.71E-07	-0.13842	0.021	0.092	0.011516	Oligo	METTL22
DNAJC7.4	7.75E-07	-0.16544	0.315	0.47	0.011577	Oligo	DNAJC7
GHRL.5	7.76E-07	-0.20466	0.002	0.059	0.011598	Oligo	GHRL
MAFG-AS1.7	7.78E-07	-0.10706	0.007	0.068	0.011631	Oligo	MAFG-AS1

KHDRBS1.7	7.79E-07	-0.11724	0.351	0.491	0.011643	Oligo	KHDRBS1
GCA.9	7.81E-07	0.465073	0.386	0.296	0.011665	Oligo	GCA
DDX50.2	7.84E-07	-0.17226	0.071	0.163	0.011716	Oligo	DDX50
CTDSP2.5	7.85E-07	0.251557	0.358	0.274	0.011727	Oligo	CTDSP2
ARL1.4	7.93E-07	-0.18667	0.193	0.318	0.011847	Oligo	ARL1
CCDC50.5	7.93E-07	-0.23247	0.184	0.304	0.011855	Oligo	CCDC50
UBE2G1.8	8.03E-07	0.276255	0.329	0.255	0.011996	Oligo	UBE2G1
RGS18.9	8.03E-07	-0.24522	0	0.054	0.011997	Oligo	RGS18
LPXN.9	8.17E-07	-0.3223	0.038	0.113	0.012207	Oligo	LPXN
IKBKE.8	8.17E-07	-0.21846	0.002	0.059	0.012215	Oligo	IKBKE
GNGT2.9	8.20E-07	-0.239	0	0.054	0.01226	Oligo	GNGT2
RPE.2	8.22E-07	-0.20699	0.068	0.161	0.01228	Oligo	RPE
SLC5A6.2	8.22E-07	-0.17364	0.033	0.109	0.012281	Oligo	SLC5A6
NSUN2.3	8.23E-07	-0.14126	0.052	0.137	0.012305	Oligo	NSUN2
EPHA4.6	8.29E-07	-0.14399	0.016	0.084	0.012392	Oligo	EPHA4
FANCF.6	8.34E-07	-0.1894	0.024	0.094	0.012461	Oligo	FANCF
CTIF.2	8.46E-07	0.240398	0.092	0.043	0.012635	Oligo	CTIF
NCAN.7	8.50E-07	-0.23283	0.016	0.082	0.012704	Oligo	NCAN
LNX1.6	8.52E-07	-0.19955	0.009	0.071	0.012739	Oligo	LNX1
MFF.4	8.56E-07	-0.13691	0.332	0.495	0.012788	Oligo	MFF
DDA1.3	8.60E-07	-0.10816	0.198	0.333	0.012847	Oligo	DDA1
PROCR.8	8.62E-07	-0.24367	0.009	0.071	0.012875	Oligo	PROCR
PCTP.4	8.62E-07	-0.22085	0.012	0.075	0.012887	Oligo	PCTP
ALKBH2.8	8.71E-07	-0.1118	0.094	0.199	0.013016	Oligo	ALKBH2
FAT3.6	8.72E-07	-0.12623	0.002	0.058	0.013038	Oligo	FAT3
UBE2W.2	8.79E-07	-0.10383	0.111	0.217	0.013132	Oligo	UBE2W
CACNB3.6	8.81E-07	-0.14464	0.005	0.063	0.01317	Oligo	CACNB3
POC1A.6	8.83E-07	-0.14709	0.002	0.059	0.013198	Oligo	POC1A
RNF40.3	8.84E-07	-0.16031	0.082	0.179	0.013218	Oligo	RNF40
CCDC51.2	8.85E-07	-0.12303	0.028	0.103	0.013224	Oligo	CCDC51
RTF1.7	8.88E-07	-0.19252	0.294	0.435	0.013266	Oligo	RTF1
PGPEP1.2	8.88E-07	-0.18687	0.052	0.137	0.013268	Oligo	PGPEP1
BEX1.8	8.88E-07	0.45427	0.44	0.348	0.013269	Oligo	BEX1
CHST12.7	8.88E-07	-0.13469	0.136	0.25	0.013275	Oligo	CHST12
VGf.7	8.90E-07	-0.19431	0.009	0.071	0.013298	Oligo	VGf
HOXA5.5	8.92E-07	-0.20575	0.005	0.062	0.013336	Oligo	HOXA5
ATG9A.6	9.02E-07	0.317047	0.184	0.114	0.013487	Oligo	ATG9A
STARD10.4	9.04E-07	0.413576	0.134	0.075	0.013508	Oligo	STARD10
FBXO11.7	9.11E-07	-0.12897	0.104	0.21	0.013607	Oligo	FBXO11
CARD9.9	9.15E-07	-0.22838	0.009	0.071	0.013678	Oligo	CARD9
ENHO.8	9.16E-07	-0.12299	0.064	0.154	0.01369	Oligo	ENHO
JAZF1.5	9.20E-07	-0.27131	0.04	0.117	0.013756	Oligo	JAZF1
GEMIN2.3	9.29E-07	-0.13868	0.035	0.113	0.013885	Oligo	GEMIN2
SAA2.6	9.34E-07	-0.6866	0	0.054	0.01396	Oligo	SAA2
IZUMO4.5	9.40E-07	0.38116	0.12	0.064	0.014042	Oligo	IZUMO4
NOA1.5	9.46E-07	-0.16359	0.059	0.146	0.014132	Oligo	NOA1
DCAF12.1	9.55E-07	-0.19537	0.054	0.139	0.014264	Oligo	DCAF12
HAT1.4	9.57E-07	-0.21522	0.176	0.301	0.014302	Oligo	HAT1
ARHGAP32.9	9.63E-07	-0.14955	0.019	0.087	0.014389	Oligo	ARHGAP32
ZNF558.5	9.66E-07	-0.13191	0.014	0.08	0.014429	Oligo	ZNF558
PITPNM1.2	9.73E-07	-0.13088	0.002	0.058	0.014546	Oligo	PITPNM1

NKX2-5. 7	9. 75E-07	-0. 20218	0. 007	0. 067	0. 014575	Oligo	NKX2-5
CAPN5. 4	9. 83E-07	-0. 12741	0. 009	0. 071	0. 014687	Oligo	CAPN5
MEF2A. 9	9. 88E-07	-0. 27525	0. 118	0. 219	0. 014758	Oligo	MEF2A
SMO. 5	9. 97E-07	-0. 10951	0	0. 053	0. 014896	Oligo	SMO
ACTA2. 4	9. 97E-07	-0. 19839	0	0. 053	0. 014896	Oligo	ACTA2
WDR7	1. 00E-06	0. 137992	0. 087	0. 04	0. 015015	Oligo	WDR7
SDHC. 4	1. 01E-06	-0. 12388	0. 398	0. 563	0. 01504	Oligo	SDHC
SIK2. 1	1. 01E-06	0. 253167	0. 108	0. 055	0. 01514	Oligo	SIK2
LRRN2. 3	1. 01E-06	-0. 11182	0. 002	0. 058	0. 015143	Oligo	LRRN2
COASY. 1	1. 04E-06	-0. 13045	0. 096	0. 198	0. 015612	Oligo	COASY
ZCCHC6. 7	1. 06E-06	-0. 22474	0. 054	0. 138	0. 015789	Oligo	ZCCHC6
EMID1. 5	1. 06E-06	-0. 13631	0. 012	0. 075	0. 015844	Oligo	EMID1
RP11-347F	1. 06E-06	-0. 27262	0. 007	0. 066	0. 015886	Oligo	RP11-347P5. 1
FASTK. 6	1. 07E-06	-0. 15133	0. 209	0. 342	0. 015963	Oligo	FASTK
STK40. 1	1. 07E-06	-0. 11235	0. 045	0. 127	0. 016013	Oligo	STK40
SLC39A4. 7	1. 08E-06	-0. 24662	0. 024	0. 093	0. 016072	Oligo	SLC39A4
RIPK1	1. 08E-06	-0. 14818	0. 009	0. 07	0. 016135	Oligo	RIPK1
MTRF1L. 6	1. 08E-06	-0. 12973	0. 092	0. 194	0. 016156	Oligo	MTRF1L
CMAS. 4	1. 08E-06	-0. 20563	0. 155	0. 271	0. 016169	Oligo	CMAS
NAP1L6	1. 09E-06	0. 181976	0. 033	0. 009	0. 016303	Oligo	NAP1L6
DHX36. 7	1. 09E-06	-0. 13405	0. 292	0. 431	0. 016339	Oligo	DHX36
PARD6A. 5	1. 10E-06	-0. 15427	0. 026	0. 097	0. 016387	Oligo	PARD6A
VAX2. 8	1. 10E-06	-0. 15496	0. 016	0. 082	0. 016457	Oligo	VAX2
RP11-977G	1. 11E-06	-0. 1436	0. 009	0. 07	0. 016542	Oligo	RP11-977G19. 11
AFTPH. 3	1. 11E-06	-0. 17788	0. 066	0. 156	0. 016601	Oligo	AFTPH
SMC6. 6	1. 11E-06	-0. 16663	0. 068	0. 16	0. 016637	Oligo	SMC6
SBK1. 9	1. 12E-06	-0. 18749	0. 012	0. 074	0. 016731	Oligo	SBK1
SOX21-AS1	1. 12E-06	-0. 11161	0. 007	0. 067	0. 016738	Oligo	SOX21-AS1
RANBP9. 2	1. 12E-06	-0. 21731	0. 066	0. 154	0. 016744	Oligo	RANBP9
EN1. 6	1. 13E-06	-0. 16627	0. 007	0. 066	0. 016921	Oligo	EN1
ELP2. 3	1. 14E-06	-0. 11619	0. 104	0. 207	0. 017039	Oligo	ELP2
MFAP1. 4	1. 14E-06	-0. 13123	0. 08	0. 176	0. 017101	Oligo	MFAP1
HELLS. 4	1. 15E-06	-0. 17864	0. 007	0. 066	0. 017231	Oligo	HELLS
SLAMF8. 9	1. 16E-06	-0. 25157	0. 007	0. 065	0. 017261	Oligo	SLAMF8
CPNE5. 5	1. 16E-06	-0. 11291	0	0. 053	0. 017329	Oligo	CPNE5
FAM20A. 8	1. 16E-06	-0. 22329	0. 005	0. 062	0. 017353	Oligo	FAM20A
ADAM19. 5	1. 17E-06	-0. 15167	0. 016	0. 082	0. 01745	Oligo	ADAM19
DSCC1. 5	1. 17E-06	-0. 13932	0. 005	0. 062	0. 017492	Oligo	DSCC1
TMEM255B.	1. 17E-06	-0. 28461	0. 002	0. 057	0. 017494	Oligo	TMEM255B
CCT3. 6	1. 17E-06	-0. 13046	0. 44	0. 583	0. 0175	Oligo	CCT3
CAPN2. 5	1. 17E-06	-0. 15597	0. 141	0. 256	0. 017529	Oligo	CAPN2
YWHAB. 3	1. 17E-06	-0. 13752	0. 595	0. 707	0. 017557	Oligo	YWHAB
TCEA2. 8	1. 18E-06	-0. 20042	0. 247	0. 373	0. 017598	Oligo	TCEA2
IL27RA. 3	1. 18E-06	-0. 15409	0. 002	0. 057	0. 017632	Oligo	IL27RA
PELI3	1. 18E-06	0. 262114	0. 049	0. 017	0. 017651	Oligo	PELI3
COIL. 6	1. 19E-06	-0. 12568	0. 089	0. 189	0. 017711	Oligo	COIL
BCLAF1. 6	1. 19E-06	-0. 17848	0. 247	0. 39	0. 017733	Oligo	BCLAF1
HADH. 3	1. 19E-06	-0. 15361	0. 108	0. 211	0. 017835	Oligo	HADH
WSB2. 8	1. 20E-06	0. 349075	0. 287	0. 221	0. 017866	Oligo	WSB2
RAB35. 5	1. 22E-06	-0. 18301	0. 075	0. 169	0. 018218	Oligo	RAB35
FBXL3. 5	1. 22E-06	0. 26404	0. 249	0. 173	0. 018226	Oligo	FBXL3



RP11-452F	1. 23E-06	-0. 22989	0. 049	0. 13	0. 018363	Oligo	RP11-452F19. 3
RP11-556E	1. 23E-06	-0. 27235	0. 002	0. 057	0. 018363	Oligo	RP11-556E13. 1
ZNF136. 7	1. 23E-06	-0. 18914	0. 028	0. 1	0. 018378	Oligo	ZNF136
PARD3. 5	1. 24E-06	-0. 10726	0. 005	0. 061	0. 018472	Oligo	PARD3
KCNQ10T1. 1	1. 25E-06	0. 338507	0. 36	0. 275	0. 018695	Oligo	KCNQ10T1
SUSD1. 6	1. 25E-06	-0. 16128	0. 002	0. 057	0. 018698	Oligo	SUSD1
CNOT3. 4	1. 25E-06	-0. 15874	0. 073	0. 166	0. 018728	Oligo	CNOT3
ZSCAN21. 6	1. 26E-06	-0. 12218	0. 031	0. 105	0. 018762	Oligo	ZSCAN21
CISD3. 8	1. 26E-06	-0. 23136	0. 146	0. 258	0. 018871	Oligo	CISD3
PLEKHA3. 6	1. 26E-06	-0. 18527	0. 127	0. 235	0. 018896	Oligo	PLEKHA3
IL13RA2. 7	1. 27E-06	-0. 26081	0. 002	0. 057	0. 018907	Oligo	IL13RA2
CCDC24. 1	1. 27E-06	-0. 15137	0. 002	0. 057	0. 018958	Oligo	CCDC24
RP11-88I1	1. 27E-06	0. 145361	0. 049	0. 017	0. 018974	Oligo	RP11-88I18. 2
OAZ2. 1	1. 28E-06	0. 35257	0. 544	0. 505	0. 019173	Oligo	OAZ2
ZNF226. 6	1. 28E-06	-0. 10946	0. 104	0. 207	0. 019178	Oligo	ZNF226
TOMM34. 4	1. 29E-06	-0. 17378	0. 054	0. 139	0. 019329	Oligo	TOMM34
MYT1L. 9	1. 30E-06	-0. 22408	0. 005	0. 061	0. 019471	Oligo	MYT1L
ZDHHC24. 4	1. 31E-06	-0. 17272	0. 092	0. 191	0. 019562	Oligo	ZDHHC24
UBL5. 6	1. 31E-06	0. 147323	0. 809	0. 832	0. 01958	Oligo	UBL5
HMGXB3. 1	1. 31E-06	-0. 14872	0. 047	0. 129	0. 019586	Oligo	HMGXB3
ANKMY2. 5	1. 31E-06	-0. 19325	0. 042	0. 121	0. 019629	Oligo	ANKMY2
PHLDA2. 3	1. 32E-06	-0. 16207	0	0. 052	0. 019727	Oligo	PHLDA2
FGF9. 8	1. 32E-06	-0. 18891	0	0. 052	0. 019727	Oligo	FGF9
CYB5R1. 3	1. 32E-06	-0. 27781	0. 153	0. 262	0. 019735	Oligo	CYB5R1
TMEM50B. 5	1. 33E-06	-0. 20703	0. 188	0. 307	0. 01994	Oligo	TMEM50B
ZNF561. 3	1. 34E-06	-0. 17951	0. 038	0. 114	0. 019997	Oligo	ZNF561
F8A1. 3	1. 35E-06	-0. 12588	0. 056	0. 143	0. 020134	Oligo	F8A1
MIR497HG. 1	1. 35E-06	-0. 21152	0. 009	0. 069	0. 020218	Oligo	MIR497HG
CCHCR1. 2	1. 36E-06	-0. 11628	0. 014	0. 078	0. 02032	Oligo	CCHCR1
C14orf1. 6	1. 36E-06	-0. 17146	0. 179	0. 297	0. 020346	Oligo	C14orf1
CTD-2270L	1. 38E-06	-0. 15358	0. 002	0. 057	0. 020599	Oligo	CTD-2270L9. 4
RNF41. 2	1. 39E-06	-0. 17723	0. 078	0. 17	0. 020748	Oligo	RNF41
SLAIN2. 4	1. 39E-06	-0. 15704	0. 056	0. 142	0. 020782	Oligo	SLAIN2
GINS1. 4	1. 40E-06	-0. 12823	0. 002	0. 056	0. 020939	Oligo	GINS1
KTI12. 5	1. 40E-06	-0. 13128	0. 033	0. 108	0. 020992	Oligo	KTI12
PCDHB2. 7	1. 41E-06	-0. 11993	0. 016	0. 082	0. 021014	Oligo	PCDHB2
MTFP1. 4	1. 42E-06	-0. 18535	0. 009	0. 069	0. 02125	Oligo	MTFP1
GIMAP7. 6	1. 43E-06	-0. 27852	0. 002	0. 056	0. 0213	Oligo	GIMAP7
PCDHB7. 7	1. 43E-06	-0. 18055	0. 012	0. 073	0. 021328	Oligo	PCDHB7
LITAF. 9	1. 44E-06	0. 340572	0. 544	0. 456	0. 021521	Oligo	LITAF
ZNF626. 5	1. 45E-06	-0. 1591	0. 059	0. 146	0. 021634	Oligo	ZNF626
NME2. 2	1. 45E-06	-0. 15613	0. 021	0. 088	0. 021731	Oligo	NME2
IL4R. 9	1. 46E-06	-0. 23776	0. 012	0. 073	0. 02181	Oligo	IL4R
NRXN3. 1	1. 47E-06	0. 155411	0. 059	0. 023	0. 022018	Oligo	NRXN3
FAM216A. 5	1. 48E-06	-0. 1322	0. 045	0. 125	0. 022044	Oligo	FAM216A
ZNF528. 6	1. 48E-06	-0. 1388	0. 035	0. 111	0. 022048	Oligo	ZNF528
BLOC1S6. 3	1. 48E-06	-0. 12171	0. 146	0. 264	0. 022146	Oligo	BLOC1S6
COQ10A. 6	1. 49E-06	-0. 15623	0. 031	0. 103	0. 022207	Oligo	COQ10A
PDCD2L. 6	1. 49E-06	-0. 1538	0. 033	0. 107	0. 022218	Oligo	PDCD2L
POLR1C. 6	1. 50E-06	-0. 2079	0. 045	0. 124	0. 02247	Oligo	POLR1C
RFX5. 5	1. 51E-06	-0. 17971	0. 033	0. 107	0. 022605	Oligo	RFX5

HTRA2.4	1.51E-06	-0.17614	0.122	0.228	0.022614	Oligo	HTRA2
PITPNA.3	1.52E-06	-0.13796	0.087	0.185	0.02273	Oligo	PITPNA
PPP5C.6	1.55E-06	-0.15688	0.085	0.18	0.023176	Oligo	PPP5C
DXO.4	1.56E-06	-0.10728	0.045	0.124	0.023287	Oligo	DXO
YTHDC2.3	1.56E-06	-0.14854	0.042	0.121	0.023331	Oligo	YTHDC2
NXT2.2	1.57E-06	-0.12018	0.019	0.085	0.023522	Oligo	NXT2
ELK1.3	1.58E-06	-0.1564	0.031	0.103	0.023591	Oligo	ELK1
FANCA.2	1.59E-06	-0.1435	0.005	0.061	0.023807	Oligo	FANCA
NUDT15.1	1.60E-06	-0.15327	0.035	0.11	0.023874	Oligo	NUDT15
DLEU7.8	1.60E-06	-0.23741	0	0.052	0.023957	Oligo	DLEU7
RBM22.4	1.61E-06	-0.17285	0.184	0.307	0.024007	Oligo	RBM22
TP53.2	1.61E-06	-0.20782	0.04	0.116	0.024012	Oligo	TP53
KLF12.7	1.61E-06	-0.17711	0.021	0.087	0.024025	Oligo	KLF12
SGK1.9	1.62E-06	0.277995	0.539	0.433	0.024188	Oligo	SGK1
C5orf24.7	1.62E-06	0.333872	0.358	0.294	0.024208	Oligo	C5orf24
HPSE.8	1.62E-06	-0.23951	0.005	0.06	0.024251	Oligo	HPSE
RBM18.5	1.63E-06	-0.16853	0.108	0.21	0.024398	Oligo	RBM18
LAGE3.2	1.65E-06	-0.22846	0.266	0.404	0.02465	Oligo	LAGE3
PLCD3.5	1.65E-06	-0.10988	0.009	0.069	0.024667	Oligo	PLCD3
PICALM.9	1.65E-06	0.356843	0.351	0.279	0.024709	Oligo	PICALM
NUF2.9	1.66E-06	-0.20926	0.007	0.064	0.024782	Oligo	NUF2
C6orf62.5	1.66E-06	-0.17409	0.32	0.457	0.024853	Oligo	C6orf62
CACNG4.6	1.67E-06	-0.13777	0	0.051	0.025014	Oligo	CACNG4
TSHZ2.7	1.67E-06	-0.21343	0	0.051	0.025014	Oligo	TSHZ2
GLO1.7	1.67E-06	-0.14858	0.273	0.415	0.025016	Oligo	GLO1
BIN3.2	1.68E-06	-0.14928	0.068	0.158	0.025113	Oligo	BIN3
SMDT1.3	1.70E-06	-0.10539	0.416	0.564	0.02543	Oligo	SMDT1
CYLD.5	1.73E-06	0.289677	0.238	0.162	0.025812	Oligo	CYLD
ANKRD13D.1	1.73E-06	-0.13734	0.078	0.171	0.025825	Oligo	ANKRD13D
HOXC10.7	1.76E-06	-0.17703	0.002	0.056	0.026375	Oligo	HOXC10
SEC23A.2	1.77E-06	-0.14636	0.096	0.197	0.026415	Oligo	SEC23A
INPP5D.9	1.78E-06	-0.25442	0.021	0.087	0.026558	Oligo	INPP5D
C12orf45.1	1.78E-06	-0.25839	0.087	0.182	0.02658	Oligo	C12orf45
PINLYP.4	1.78E-06	-0.19551	0.002	0.056	0.026651	Oligo	PINLYP
AMOTL1.4	1.80E-06	-0.12226	0.009	0.068	0.026904	Oligo	AMOTL1
NEGR1.1	1.81E-06	0.109666	0.059	0.023	0.027031	Oligo	NEGR1
ACTR2.9	1.81E-06	-0.16853	0.32	0.464	0.027077	Oligo	ACTR2
CRK.5	1.82E-06	-0.13105	0.193	0.321	0.02716	Oligo	CRK
C5orf28.5	1.82E-06	-0.11082	0.042	0.122	0.027272	Oligo	C5orf28
PDK1.3	1.84E-06	-0.18608	0.021	0.087	0.027435	Oligo	PDK1
EI24.6	1.85E-06	-0.15089	0.301	0.438	0.027586	Oligo	EI24
DERA.4	1.87E-06	-0.15816	0.141	0.255	0.027872	Oligo	DERA
FAM213B.2	1.87E-06	-0.14378	0.024	0.091	0.027942	Oligo	FAM213B
COL5A2.7	1.88E-06	-0.10152	0.007	0.064	0.028099	Oligo	COL5A2
NT5E.4	1.88E-06	-0.16201	0.007	0.064	0.028131	Oligo	NT5E
CLYBL.3	1.89E-06	-0.20233	0.007	0.064	0.028315	Oligo	CLYBL
ARV1.6	1.90E-06	-0.17908	0.087	0.182	0.028452	Oligo	ARV1
LRRC17.6	1.91E-06	-0.16962	0.014	0.076	0.028521	Oligo	LRRC17
TCEB1.3	1.93E-06	-0.15771	0.475	0.628	0.028834	Oligo	TCEB1
PSPH.8	1.95E-06	-0.14144	0.071	0.16	0.029161	Oligo	PSPH
GGA1.6	1.96E-06	-0.19423	0.174	0.294	0.029326	Oligo	GGA1

FMNL3.7	1.96E-06	-0.22576	0.016	0.079	0.029343	Oligo	FMNL3
FTO.5	1.97E-06	0.338114	0.2	0.132	0.029371	Oligo	FTO
PPFIA3.7	1.97E-06	-0.11677	0.024	0.092	0.029454	Oligo	PPFIA3
ZFYVE19.3	1.99E-06	0.31135	0.169	0.104	0.029706	Oligo	ZFYVE19
CHRNA9.6	1.99E-06	-0.13031	0	0.051	0.029723	Oligo	CHRNA9
SERPINB1.1	1.99E-06	-0.33707	0.181	0.27	0.029732	Oligo	SERPINB1
GRIA2.8	2.00E-06	-0.19841	0.115	0.215	0.029865	Oligo	GRIA2
IRF7.8	2.01E-06	-0.15411	0.075	0.164	0.03005	Oligo	IRF7
HIVEP3.5	2.02E-06	-0.15366	0.068	0.156	0.030119	Oligo	HIVEP3
CACUL1.5	2.02E-06	-0.19066	0.111	0.209	0.030206	Oligo	CACUL1
ABLIM1.7	2.02E-06	-0.14024	0.002	0.055	0.03021	Oligo	ABLIM1
C3orf38.1	2.03E-06	-0.10398	0.089	0.186	0.030336	Oligo	C3orf38
DVL2.7	2.04E-06	-0.12571	0.085	0.18	0.030552	Oligo	DVL2
KCNA7	2.06E-06	0.173866	0.021	0.005	0.030809	Oligo	KCNA7
CXorf38.3	2.06E-06	-0.17184	0.012	0.071	0.030826	Oligo	CXorf38
SHB.2	2.09E-06	0.309948	0.106	0.056	0.0313	Oligo	SHB
HP1BP3.8	2.10E-06	0.249859	0.496	0.44	0.031394	Oligo	HP1BP3
FAM169A.5	2.11E-06	0.187831	0.094	0.046	0.031484	Oligo	FAM169A
PPFIBP2.1	2.13E-06	0.123266	0.099	0.048	0.031806	Oligo	PPFIBP2
CRYBG3	2.13E-06	0.171698	0.059	0.023	0.031892	Oligo	CRYBG3
CHAF1A.5	2.14E-06	-0.12051	0.024	0.091	0.031909	Oligo	CHAF1A
TXNDC16.3	2.15E-06	0.160499	0.106	0.054	0.032101	Oligo	TXNDC16
SHC4.5	2.16E-06	0.371385	0.106	0.055	0.032205	Oligo	SHC4
RP11-783K	2.17E-06	-0.16457	0	0.05	0.032399	Oligo	RP11-783K16.5
PPP1R3F.1	2.17E-06	0.13393	0.075	0.033	0.032401	Oligo	PPP1R3F
PSMG4.4	2.17E-06	-0.10671	0.101	0.201	0.032451	Oligo	PSMG4
SOCS1.4	2.17E-06	-0.22141	0.002	0.055	0.032488	Oligo	SOCS1
CNDP2.8	2.18E-06	0.328124	0.48	0.429	0.032519	Oligo	CNDP2
SNX29.5	2.18E-06	0.243971	0.172	0.103	0.032543	Oligo	SNX29
NAP1L5.7	2.18E-06	-0.18682	0.056	0.137	0.032625	Oligo	NAP1L5
LIX1L.2	2.18E-06	-0.12616	0.056	0.143	0.032645	Oligo	LIX1L
TSPAN14.5	2.20E-06	-0.1956	0.115	0.216	0.032919	Oligo	TSPAN14
BPGM.5	2.20E-06	-0.14707	0.129	0.238	0.032925	Oligo	BPGM
ABAT.9	2.21E-06	-0.20187	0.075	0.163	0.032971	Oligo	ABAT
CCDC74A.6	2.22E-06	-0.13315	0	0.05	0.033104	Oligo	CCDC74A
CDKL5	2.23E-06	0.236162	0.045	0.015	0.033337	Oligo	CDKL5
WDR3.2	2.24E-06	-0.10707	0.031	0.102	0.03341	Oligo	WDR3
NEK1.6	2.29E-06	-0.16737	0.049	0.129	0.034197	Oligo	NEK1
DLAT.3	2.29E-06	-0.16526	0.049	0.129	0.034238	Oligo	DLAT
PHYKPL.3	2.30E-06	-0.16647	0.106	0.205	0.034343	Oligo	PHYKPL
BEX5.7	2.33E-06	-0.30943	0.031	0.099	0.034757	Oligo	BEX5
NDEL1.3	2.33E-06	-0.19671	0.071	0.157	0.034879	Oligo	NDEL1
SH2B3.9	2.34E-06	-0.29284	0.04	0.111	0.035041	Oligo	SH2B3
CYTH2.7	2.35E-06	-0.13147	0.219	0.346	0.035044	Oligo	CYTH2
PSMD14.6	2.35E-06	-0.17406	0.325	0.472	0.035061	Oligo	PSMD14
MPP1.9	2.37E-06	-0.31362	0.113	0.204	0.035353	Oligo	MPP1
ME2.5	2.37E-06	-0.16387	0.127	0.228	0.035423	Oligo	ME2
TOR1AIP1.1	2.37E-06	-0.16783	0.089	0.185	0.035452	Oligo	TOR1AIP1
SGOL2.7	2.39E-06	-0.23199	0.026	0.092	0.035706	Oligo	SGOL2
FGFBP3.7	2.41E-06	-0.11129	0.031	0.103	0.035969	Oligo	FGFBP3
CEP104.3	2.42E-06	0.335575	0.184	0.119	0.036125	Oligo	CEP104

LRRC61.7	2.42E-06	-0.20676	0.009	0.066	0.036159	Oligo	LRRC61
NFKB2.8	2.44E-06	-0.17523	0.007	0.063	0.036428	Oligo	NFKB2
PLOD3.6	2.44E-06	0.452229	0.282	0.215	0.036435	Oligo	PLOD3
TTL5.1	2.45E-06	0.157679	0.104	0.053	0.036656	Oligo	TTL5
ACOX2.3	2.46E-06	-0.1161	0.002	0.054	0.036777	Oligo	ACOX2
TBC1D4.6	2.47E-06	-0.19519	0	0.05	0.036868	Oligo	TBC1D4
PJA1.7	2.48E-06	-0.15267	0.099	0.196	0.036997	Oligo	PJA1
KLHDC9.7	2.48E-06	-0.11332	0.014	0.075	0.037055	Oligo	KLHDC9
POLG2.1	2.48E-06	-0.16989	0.021	0.086	0.03707	Oligo	POLG2
PARK7.5	2.51E-06	-0.11158	0.645	0.77	0.037455	Oligo	PARK7
DNAJC27	2.52E-06	0.190463	0.087	0.041	0.037631	Oligo	DNAJC27
CCDC8.4	2.52E-06	-0.11025	0	0.05	0.03767	Oligo	CCDC8
RP11-480C	2.52E-06	-0.28127	0	0.05	0.03767	Oligo	RP11-480C22.1
RGS3.6	2.52E-06	0.241152	0.169	0.104	0.037676	Oligo	RGS3
LRP3.1	2.53E-06	-0.14936	0.007	0.062	0.037767	Oligo	LRP3
SRSF12.7	2.53E-06	-0.1269	0.014	0.075	0.037782	Oligo	SRSF12
ACTL6A.6	2.53E-06	-0.13527	0.151	0.262	0.03785	Oligo	ACTL6A
LINC00657	2.55E-06	0.263291	0.388	0.33	0.038072	Oligo	LINC00657
PLCE1.6	2.57E-06	-0.10017	0.009	0.067	0.038396	Oligo	PLCE1
VRK1.2	2.57E-06	-0.18401	0.033	0.104	0.038419	Oligo	VRK1
C19orf38.	2.58E-06	-0.23822	0	0.05	0.03849	Oligo	C19orf38
FAM50B.1	2.59E-06	0.208447	0.087	0.041	0.03873	Oligo	FAM50B
ATPAF1.7	2.60E-06	-0.1684	0.136	0.244	0.038874	Oligo	ATPAF1
ST3GAL6.9	2.60E-06	-0.25245	0.04	0.114	0.038907	Oligo	ST3GAL6
TMEM126A.	2.61E-06	-0.15971	0.212	0.333	0.038931	Oligo	TMEM126A
PCID2.4	2.61E-06	-0.152	0.089	0.183	0.038932	Oligo	PCID2
STK16.2	2.64E-06	-0.11266	0.094	0.192	0.039425	Oligo	STK16
TCEAL5.7	2.65E-06	-0.17221	0.047	0.123	0.039554	Oligo	TCEAL5
TBC1D14.5	2.65E-06	-0.12884	0.082	0.175	0.03958	Oligo	TBC1D14
MPDU1.2	2.67E-06	-0.10858	0.195	0.322	0.039828	Oligo	MPDU1
KIAA1191.	2.67E-06	-0.18977	0.155	0.268	0.039836	Oligo	KIAA1191
CGRRF1.4	2.67E-06	-0.19684	0.078	0.167	0.039861	Oligo	CGRRF1
NCK2.4	2.68E-06	-0.17993	0.066	0.151	0.040056	Oligo	NCK2
ABTB1.8	2.68E-06	0.334067	0.169	0.102	0.04007	Oligo	ABTB1
PPME1.7	2.70E-06	-0.18141	0.089	0.185	0.0403	Oligo	PPME1
BTBD17.8	2.71E-06	-0.18105	0.002	0.054	0.04057	Oligo	BTBD17
SGK223.2	2.73E-06	-0.14053	0.014	0.075	0.040759	Oligo	SGK223
GRK6.4	2.73E-06	-0.17389	0.056	0.138	0.040794	Oligo	GRK6
CALHM2.7	2.73E-06	-0.2048	0.007	0.062	0.040816	Oligo	CALHM2
SPAG4.5	2.75E-06	-0.21088	0	0.049	0.041057	Oligo	SPAG4
GTPBP3.5	2.75E-06	-0.12838	0.04	0.115	0.041155	Oligo	GTPBP3
SMCHD1.6	2.76E-06	-0.15976	0.094	0.191	0.041245	Oligo	SMCHD1
PSTK.1	2.76E-06	0.306947	0.122	0.067	0.041249	Oligo	PSTK
INPPL1.4	2.79E-06	-0.16351	0.045	0.123	0.041631	Oligo	INPPL1
IFNAR1.6	2.81E-06	-0.149	0.181	0.294	0.041953	Oligo	IFNAR1
TFEC.9	2.83E-06	-0.22983	0.005	0.058	0.042293	Oligo	TFEC
TMEM156.7	2.83E-06	-0.26107	0.005	0.058	0.042311	Oligo	TMEM156
ZNF790.2	2.84E-06	-0.16528	0.028	0.097	0.042506	Oligo	ZNF790
MSX1.6	2.85E-06	-0.10938	0.009	0.067	0.042553	Oligo	MSX1
UQCR11.4	2.85E-06	0.431988	0.181	0.112	0.042655	Oligo	UQCR11
MLEC.4	2.86E-06	-0.14374	0.28	0.405	0.042711	Oligo	MLEC

EIF2B5.4	2.86E-06	-0.1579	0.092	0.187	0.042743	Oligo	EIF2B5
CASP8.8	2.87E-06	-0.1945	0	0.049	0.042863	Oligo	CASP8
CLECL1.8	2.87E-06	-0.19932	0	0.049	0.042863	Oligo	CLECL1
PLCB1.7	2.88E-06	-0.12855	0.019	0.082	0.043035	Oligo	PLCB1
IRAK1.6	2.88E-06	-0.22876	0.075	0.161	0.043048	Oligo	IRAK1
C7orf26.7	2.90E-06	-0.16279	0.073	0.161	0.043273	Oligo	C7orf26
GPC4.3	2.90E-06	-0.12101	0.002	0.054	0.043367	Oligo	GPC4
JPH4.6	2.91E-06	-0.19647	0.007	0.062	0.043416	Oligo	JPH4
TRAF5.1	2.92E-06	-0.14265	0.005	0.058	0.043694	Oligo	TRAF5
NRROS.6	2.93E-06	-0.25816	0.012	0.07	0.04385	Oligo	NRROS
B3GAT2.4	2.95E-06	-0.16448	0.021	0.085	0.044148	Oligo	B3GAT2
N6AMT2.6	2.97E-06	-0.16077	0.054	0.135	0.044311	Oligo	N6AMT2
PTPN14.3	2.97E-06	-0.10727	0.012	0.071	0.044372	Oligo	PTPN14
EFNA3.6	2.97E-06	-0.18117	0.007	0.062	0.044394	Oligo	EFNA3
MTF2.6	2.98E-06	-0.10871	0.146	0.258	0.044586	Oligo	MTF2
RABGAP1.6	3.00E-06	0.312066	0.188	0.122	0.044803	Oligo	RABGAP1
HOXA3.8	3.03E-06	-0.17181	0.005	0.058	0.045293	Oligo	HOXA3
TMEM47.7	3.04E-06	-0.11753	0.019	0.082	0.045473	Oligo	TMEM47
ODF2.5	3.05E-06	-0.15574	0.054	0.135	0.045516	Oligo	ODF2
UBE2D4.2	3.05E-06	-0.13975	0.096	0.193	0.045607	Oligo	UBE2D4
TMEM52B.9	3.06E-06	-0.23524	0	0.049	0.04572	Oligo	TMEM52B
SLC39A7.4	3.07E-06	-0.19541	0.188	0.31	0.045824	Oligo	SLC39A7
RLF.3	3.07E-06	-0.16816	0.035	0.107	0.045929	Oligo	RLF
FAM65A.2	3.08E-06	-0.19456	0.033	0.103	0.046047	Oligo	FAM65A
GFAP.6	3.08E-06	-0.5069	0.256	0.353	0.046063	Oligo	GFAP
DIS3L2.3	3.09E-06	0.348477	0.162	0.1	0.046186	Oligo	DIS3L2
RASGRP2.6	3.09E-06	-0.18279	0.002	0.053	0.046217	Oligo	RASGRP2
ALDOA.7	3.11E-06	-0.13972	0.748	0.849	0.046452	Oligo	ALDOA
NOL8.3	3.12E-06	-0.11847	0.092	0.188	0.046629	Oligo	NOL8
ARID5B.7	3.12E-06	-0.12559	0.235	0.36	0.046697	Oligo	ARID5B
LRRN1.8	3.13E-06	-0.18199	0.038	0.109	0.046707	Oligo	LRRN1
CPSF3.2	3.13E-06	-0.13609	0.087	0.179	0.046734	Oligo	CPSF3
TDP2.4	3.14E-06	-0.20596	0.094	0.186	0.04699	Oligo	TDP2
PRR14.4	3.14E-06	-0.19339	0.106	0.204	0.046995	Oligo	PRR14
RP11-505K	3.15E-06	-0.10861	0.019	0.082	0.047049	Oligo	RP11-505K9.1
ZBTB37.2	3.16E-06	0.339506	0.101	0.052	0.047217	Oligo	ZBTB37
ZNF559.7	3.18E-06	-0.16481	0.064	0.148	0.047454	Oligo	ZNF559
HSD17B8.2	3.18E-06	-0.15856	0.031	0.1	0.047572	Oligo	HSD17B8
ENKD1.2	3.22E-06	-0.11975	0.009	0.066	0.048054	Oligo	ENKD1
SNX14.4	3.23E-06	-0.11184	0.113	0.214	0.048303	Oligo	SNX14
GLE1.1	3.26E-06	-0.16275	0.04	0.114	0.048752	Oligo	GLE1
ZNF195.5	3.29E-06	-0.15676	0.078	0.165	0.049112	Oligo	ZNF195
C7orf60.2	3.29E-06	-0.15863	0.014	0.074	0.049223	Oligo	C7orf60
CIRBP.6	3.31E-06	0.251756	0.859	0.866	0.049399	Oligo	CIRBP
A1BG.3	3.31E-06	0.28133	0.367	0.296	0.049478	Oligo	A1BG
ST3GAL3.6	3.31E-06	-0.15059	0.024	0.089	0.049487	Oligo	ST3GAL3
PSPC1.7	3.33E-06	-0.12205	0.113	0.215	0.049762	Oligo	PSPC1
ANTXR2.3	3.34E-06	-0.14395	0.005	0.058	0.049944	Oligo	ANTXR2
TSGA10.5	3.35E-06	0.222683	0.113	0.06	0.050117	Oligo	TSGA10
CDK7.3	3.39E-06	-0.19511	0.028	0.095	0.050639	Oligo	CDK7
NR2E1.3	3.40E-06	-0.10624	0.005	0.057	0.050856	Oligo	NR2E1

RP1-79C4. 3.	3.42E-06	-0.10503	0.002	0.053	0.051083	Oligo	RP1-79C4. 4
TRMT61B. 6	3.44E-06	-0.14989	0.078	0.166	0.051426	Oligo	TRMT61B
FARS2. 1	3.46E-06	-0.11288	0.042	0.118	0.051633	Oligo	FARS2
KCNMB1. 8	3.46E-06	-0.2983	0.035	0.105	0.051764	Oligo	KCNMB1
C17orf96. 3.	3.48E-06	-0.1164	0.005	0.057	0.051992	Oligo	C17orf96
KIFC2. 4	3.48E-06	-0.12736	0.012	0.07	0.052079	Oligo	KIFC2
EEF2. 2	3.51E-06	-0.10407	0.715	0.834	0.052426	Oligo	EEF2
GATAD2B. 7	3.52E-06	0.334717	0.228	0.158	0.052593	Oligo	GATAD2B
TMED4. 8	3.56E-06	-0.18543	0.306	0.443	0.053135	Oligo	TMED4
LONRF1. 6	3.56E-06	-0.11706	0.031	0.1	0.053145	Oligo	LONRF1
C6orf226. 3.	3.56E-06	-0.12031	0.096	0.193	0.05321	Oligo	C6orf226
PDLIM2. 6	3.57E-06	-0.24536	0.139	0.244	0.053357	Oligo	PDLIM2
CUL1. 3	3.57E-06	-0.23608	0.136	0.238	0.053369	Oligo	CUL1
IMPA2. 5	3.58E-06	-0.1346	0.007	0.062	0.053475	Oligo	IMPA2
USP11. 8	3.58E-06	-0.16613	0.233	0.357	0.053523	Oligo	USP11
MED30. 4	3.59E-06	-0.11918	0.148	0.257	0.053676	Oligo	MED30
PTPRE. 7	3.67E-06	-0.26818	0.167	0.274	0.054823	Oligo	PTPRE
SEMA6D. 9	3.70E-06	-0.11991	0.073	0.16	0.055335	Oligo	SEMA6D
CHST10. 6	3.72E-06	-0.12471	0.059	0.142	0.055614	Oligo	CHST10
YKT6. 5	3.74E-06	-0.13959	0.136	0.242	0.055913	Oligo	YKT6
THOP1. 7	3.74E-06	-0.10796	0.104	0.205	0.055961	Oligo	THOP1
ATL3. 5	3.78E-06	0.210039	0.205	0.135	0.056485	Oligo	ATL3
MLH3. 5	3.78E-06	0.448601	0.165	0.104	0.056518	Oligo	MLH3
MCUR1. 6	3.80E-06	-0.11258	0.153	0.266	0.056729	Oligo	MCUR1
INTS5. 1	3.80E-06	-0.12714	0.021	0.085	0.056862	Oligo	INTS5
GIMAP5. 7	3.81E-06	-0.22878	0.002	0.052	0.056874	Oligo	GIMAP5
ADPRM	3.83E-06	-0.15746	0.009	0.065	0.05725	Oligo	ADPRM
THTPA	3.84E-06	0.324578	0.031	0.009	0.05732	Oligo	THTPA
RRM1. 7	3.85E-06	-0.13733	0.096	0.188	0.057469	Oligo	RRM1
GAL3ST3. 7	3.86E-06	-0.11762	0.007	0.061	0.057635	Oligo	GAL3ST3
NFYC. 4	3.86E-06	-0.12244	0.122	0.225	0.057683	Oligo	NFYC
B3GALT1. 6	3.87E-06	-0.10241	0.002	0.052	0.057796	Oligo	B3GALT1
RCN3	3.87E-06	-0.17325	0.007	0.061	0.0579	Oligo	RCN3
LEAP2. 3	3.88E-06	-0.11998	0.021	0.084	0.058016	Oligo	LEAP2
LINC00094	3.91E-06	-0.11841	0.052	0.132	0.058462	Oligo	LINC00094
ZNF135. 1	3.94E-06	0.157774	0.073	0.032	0.058918	Oligo	ZNF135
OXSRI. 1	3.95E-06	-0.18301	0.04	0.112	0.059055	Oligo	OXSRI
DOK4. 7	3.96E-06	-0.12244	0	0.048	0.059175	Oligo	DOK4
LEMD1. 6	3.96E-06	-0.14666	0	0.048	0.059175	Oligo	LEMD1
TK1. 6	3.99E-06	-0.21053	0.014	0.073	0.059687	Oligo	TK1
WDR12. 4	4.00E-06	-0.13767	0.064	0.146	0.059799	Oligo	WDR12
FNIP2. 6	4.00E-06	0.250612	0.275	0.193	0.059837	Oligo	FNIP2
AC011043. 4.	4.04E-06	-0.15504	0.009	0.065	0.060342	Oligo	AC011043. 1
MELK. 5	4.05E-06	-0.13473	0	0.048	0.06046	Oligo	MELK
ZBTB48. 1	4.06E-06	-0.15649	0.024	0.088	0.060653	Oligo	ZBTB48
IL17RA. 9	4.09E-06	-0.17428	0.047	0.122	0.061124	Oligo	IL17RA
AKTIP. 7	4.10E-06	0.445381	0.233	0.166	0.061254	Oligo	AKTIP
FAM114A2. 4.	4.11E-06	-0.15676	0.052	0.13	0.061421	Oligo	FAM114A2
HDAC9. 6	4.11E-06	-0.14336	0.052	0.128	0.061493	Oligo	HDAC9
OGFOD3. 5	4.15E-06	-0.15437	0.122	0.225	0.062087	Oligo	OGFOD3
ACOX1. 2	4.16E-06	-0.13668	0.08	0.17	0.062131	Oligo	ACOX1

ZNF846.6	4.16E-06	-0.19678	0.014	0.072	0.062136	Oligo	ZNF846
SDF2L1.5	4.17E-06	-0.27098	0.249	0.364	0.062376	Oligo	SDF2L1
RTFDC1.2	4.19E-06	0.341536	0.546	0.538	0.062655	Oligo	RTFDC1
SYT6.4	4.20E-06	-0.1644	0.002	0.052	0.062718	Oligo	SYT6
ACTR3B.6	4.20E-06	-0.12681	0.038	0.11	0.062837	Oligo	ACTR3B
ZBTB7A.4	4.22E-06	0.362386	0.245	0.176	0.063103	Oligo	ZBTB7A
ADRB2.7	4.22E-06	-0.2455	0	0.048	0.063114	Oligo	ADRB2
DAPL1.1	4.23E-06	0.16501	0.104	0.052	0.063168	Oligo	DAPL1
USP37.2	4.28E-06	0.312034	0.118	0.064	0.063938	Oligo	USP37
ZHX2.1	4.28E-06	0.227284	0.096	0.049	0.064016	Oligo	ZHX2
QSER1.6	4.29E-06	-0.1188	0.045	0.121	0.064158	Oligo	QSER1
CAPZA1.8	4.30E-06	-0.186	0.271	0.397	0.064293	Oligo	CAPZA1
NPHP3.3	4.31E-06	0.301904	0.169	0.107	0.064384	Oligo	NPHP3
CDC42BPA.4	4.31E-06	0.363563	0.242	0.176	0.064384	Oligo	CDC42BPA
PNKD.5	4.33E-06	0.389341	0.511	0.455	0.06478	Oligo	PNKD
LRRC40.5	4.34E-06	-0.15974	0.064	0.145	0.064862	Oligo	LRRC40
ZCCHC11.4	4.35E-06	-0.11617	0.134	0.243	0.065075	Oligo	ZCCHC11
PDGFB.6	4.41E-06	-0.23004	0	0.047	0.065884	Oligo	PDGFB
AURKA.6	4.41E-06	-0.20278	0.019	0.08	0.065956	Oligo	AURKA
TMEM37.5	4.42E-06	-0.18658	0.009	0.065	0.066017	Oligo	TMEM37
TCEAL4.7	4.44E-06	0.317605	0.605	0.57	0.066381	Oligo	TCEAL4
POMT1.6	4.49E-06	-0.20273	0.061	0.14	0.067137	Oligo	POMT1
NKG7.6	4.53E-06	-0.27944	0.002	0.052	0.067753	Oligo	NKG7
CBX2.5	4.54E-06	-0.12258	0.012	0.069	0.067867	Oligo	CBX2
AC009506.4	4.57E-06	-0.194	0.021	0.083	0.068223	Oligo	AC009506.1
CD300LF.7	4.60E-06	-0.19487	0	0.047	0.068775	Oligo	CD300LF
TTC38.3	4.61E-06	-0.18728	0.026	0.091	0.068959	Oligo	TTC38
CMIP.5	4.62E-06	-0.13397	0.087	0.176	0.06908	Oligo	CMIP
CDKN2AIP.4	4.62E-06	-0.20812	0.068	0.15	0.06911	Oligo	CDKN2AIP
UBL4A.7	4.63E-06	-0.11554	0.092	0.186	0.069253	Oligo	UBL4A
TXNRD1.4	4.63E-06	-0.124	0.136	0.241	0.069259	Oligo	TXNRD1
GANAB.4	4.64E-06	-0.15144	0.162	0.277	0.069287	Oligo	GANAB
GLIPR2.8	4.67E-06	0.354637	0.344	0.266	0.069768	Oligo	GLIPR2
KRAS.4	4.68E-06	-0.12368	0.146	0.258	0.069928	Oligo	KRAS
SNAP29.5	4.71E-06	-0.12919	0.125	0.229	0.070411	Oligo	SNAP29
IGDCC3.9	4.74E-06	-0.11098	0.009	0.065	0.070767	Oligo	IGDCC3
SPIDR	4.79E-06	-0.19176	0.047	0.122	0.071576	Oligo	SPIDR
MED9.5	4.80E-06	-0.11716	0.028	0.095	0.071718	Oligo	MED9
NTRK3.5	4.83E-06	-0.14631	0.012	0.068	0.072169	Oligo	NTRK3
RELA.2	4.83E-06	-0.10669	0.108	0.207	0.072206	Oligo	RELA
TMEM163.4	4.83E-06	-0.18218	0.009	0.064	0.07223	Oligo	TMEM163
CTSF.7	4.84E-06	0.405863	0.332	0.267	0.072332	Oligo	CTSF
PCNA.7	4.88E-06	-0.13124	0.202	0.319	0.072924	Oligo	PCNA
KLHL35.8	5.06E-06	-0.24952	0.031	0.096	0.075553	Oligo	KLHL35
C20orf194	5.09E-06	0.341294	0.198	0.132	0.076074	Oligo	C20orf194
LUC7L.6	5.12E-06	-0.10612	0.144	0.249	0.076452	Oligo	LUC7L
PIGL.1	5.18E-06	-0.1083	0.024	0.088	0.077369	Oligo	PIGL
AL592183.5	5.18E-06	0.257467	0.238	0.162	0.07738	Oligo	AL592183.1
NPC2.8	5.19E-06	-0.22526	0.626	0.694	0.077495	Oligo	NPC2
FGF22	5.20E-06	0.163052	0.033	0.01	0.077706	Oligo	FGF22
LYST.3	5.20E-06	-0.11825	0.068	0.153	0.077736	Oligo	LYST

HMG5. 2	5. 21E-06	-0. 22385	0. 028	0. 093	0. 077843	Oligo	HMG5
SLC41A2. 2	5. 23E-06	-0. 12792	0	0. 047	0. 078228	Oligo	SLC41A2
ABCC4. 5	5. 23E-06	-0. 14214	0	0. 047	0. 078228	Oligo	ABCC4
PIFO. 7	5. 26E-06	-0. 23896	0. 002	0. 051	0. 078579	Oligo	PIFO
UTP14A	5. 26E-06	-0. 12702	0. 024	0. 088	0. 078605	Oligo	UTP14A
GLS. 4	5. 29E-06	-0. 15113	0. 054	0. 132	0. 078991	Oligo	GLS
GJB2. 5	5. 29E-06	-0. 18516	0. 002	0. 051	0. 079119	Oligo	GJB2
KLHL18. 2	5. 30E-06	-0. 18162	0. 047	0. 122	0. 07914	Oligo	KLHL18
SOX15. 7	5. 31E-06	-0. 16816	0. 014	0. 072	0. 079315	Oligo	SOX15
C16orf52.	5. 33E-06	0. 285675	0. 153	0. 094	0. 079642	Oligo	C16orf52
IL33. 7	5. 35E-06	-0. 13861	0	0. 047	0. 079925	Oligo	IL33
NARS2. 3	5. 36E-06	-0. 1787	0. 045	0. 117	0. 080049	Oligo	NARS2
LINC00987	5. 38E-06	0. 114285	0. 038	0. 012	0. 080451	Oligo	LINC00987
COPG2. 5	5. 42E-06	-0. 17878	0. 047	0. 12	0. 080992	Oligo	COPG2
FAM214A. 1	5. 42E-06	0. 17223	0. 104	0. 054	0. 081024	Oligo	FAM214A
SGOL1. 7	5. 45E-06	-0. 18153	0. 007	0. 059	0. 081371	Oligo	SGOL1
PAQR3. 4	5. 45E-06	0. 276256	0. 129	0. 075	0. 081453	Oligo	PAQR3
SLC37A1. 3	5. 49E-06	-0. 16018	0. 005	0. 055	0. 081984	Oligo	SLC37A1
AP2A2. 7	5. 50E-06	-0. 14784	0. 151	0. 255	0. 082179	Oligo	AP2A2
SEMA4A. 7	5. 51E-06	-0. 17959	0. 002	0. 051	0. 08237	Oligo	SEMA4A
PIM2. 3	5. 53E-06	-0. 17207	0. 005	0. 055	0. 082582	Oligo	PIM2
TAP1. 4	5. 54E-06	-0. 22461	0. 151	0. 257	0. 082859	Oligo	TAP1
FAM127A. 6	5. 58E-06	0. 246349	0. 504	0. 457	0. 083339	Oligo	FAM127A
LRMP. 7	5. 58E-06	-0. 20624	0	0. 046	0. 083429	Oligo	LRMP
PRR7. 9	5. 59E-06	-0. 11837	0. 096	0. 191	0. 083511	Oligo	PRR7
CTBS. 6	5. 60E-06	-0. 20788	0. 075	0. 159	0. 083692	Oligo	CTBS
TBC1D10A.	5. 65E-06	-0. 13	0. 016	0. 076	0. 084387	Oligo	TBC1D10A
ZDHHC20	5. 65E-06	0. 101548	0. 035	0. 011	0. 084412	Oligo	ZDHHC20
HOXB7. 2	5. 67E-06	-0. 22667	0. 009	0. 063	0. 084734	Oligo	HOXB7
SPC24. 8	5. 75E-06	-0. 15161	0. 002	0. 051	0. 085858	Oligo	SPC24
AHDC1. 7	5. 80E-06	-0. 16128	0. 035	0. 104	0. 08671	Oligo	AHDC1
DRG1. 3	5. 80E-06	-0. 1653	0. 144	0. 249	0. 086716	Oligo	DRG1
SNX20. 8	5. 83E-06	-0. 186	0	0. 046	0. 087086	Oligo	SNX20
MPHOSPH10	5. 85E-06	-0. 13284	0. 136	0. 242	0. 087488	Oligo	MPHOSPH10
MKL2. 5	5. 88E-06	-0. 13787	0. 019	0. 079	0. 087816	Oligo	MKL2
ITGA6. 3	5. 89E-06	-0. 12038	0. 019	0. 079	0. 088042	Oligo	ITGA6
ZNF232. 7	5. 90E-06	-0. 15618	0. 021	0. 082	0. 08812	Oligo	ZNF232
NPRL2. 6	5. 96E-06	-0. 14723	0. 075	0. 161	0. 089108	Oligo	NPRL2
UBE2D2. 6	5. 97E-06	-0. 15658	0. 459	0. 593	0. 089179	Oligo	UBE2D2
MIR22HG. 7	6. 03E-06	-0. 28408	0. 045	0. 116	0. 090076	Oligo	MIR22HG
PLAA. 4	6. 06E-06	-0. 16337	0. 031	0. 096	0. 090631	Oligo	PLAA
DLX6. 9	6. 07E-06	-0. 20391	0. 007	0. 059	0. 090716	Oligo	DLX6
PCBP2. 4	6. 09E-06	-0. 15441	0. 527	0. 668	0. 09108	Oligo	PCBP2
DPP3. 3	6. 10E-06	-0. 17391	0. 099	0. 192	0. 091169	Oligo	DPP3
VASH1. 6	6. 10E-06	-0. 162	0. 056	0. 132	0. 091179	Oligo	VASH1
LINC00909	6. 15E-06	-0. 13434	0. 042	0. 114	0. 091896	Oligo	LINC00909
MED12L. 2	6. 15E-06	-0. 10792	0. 009	0. 063	0. 091966	Oligo	MED12L
ZDHHC16. 2	6. 18E-06	-0. 11133	0. 038	0. 108	0. 092391	Oligo	ZDHHC16
IQCG. 6	6. 22E-06	-0. 1603	0. 049	0. 125	0. 092886	Oligo	IQCG
NEAT1. 6	6. 24E-06	0. 112804	0. 76	0. 763	0. 093223	Oligo	NEAT1
NDUFS8. 4	6. 25E-06	-0. 10123	0. 487	0. 613	0. 093466	Oligo	NDUFS8



FBXW11.3	6.26E-06	0.271248	0.245	0.178	0.093536	Oligo	FBXW11
GSAP.7	6.28E-06	-0.22155	0.021	0.081	0.093905	Oligo	GSAP
FMN2.7	6.33E-06	-0.13994	0.014	0.071	0.094571	Oligo	FMN2
HADHA.5	6.40E-06	-0.17127	0.315	0.446	0.095716	Oligo	HADHA
RNF182.7	6.44E-06	-0.11753	0.002	0.05	0.096211	Oligo	RNF182
RHOBTB2.1	6.46E-06	-0.11749	0.002	0.05	0.096513	Oligo	RHOBTB2
RGL3.1	6.49E-06	-0.10638	0	0.046	0.096942	Oligo	RGL3
MYBPC1.6	6.49E-06	-0.19549	0	0.046	0.096942	Oligo	MYBPC1
PRR3.5	6.51E-06	-0.11305	0.035	0.105	0.097296	Oligo	PRR3
EMC1.2	6.54E-06	-0.13355	0.056	0.134	0.097715	Oligo	EMC1
MED15.4	6.56E-06	-0.17102	0.066	0.145	0.097965	Oligo	MED15
MX2.9	6.57E-06	-0.26105	0.012	0.066	0.098211	Oligo	MX2
RBFA.3	6.68E-06	-0.11074	0.082	0.171	0.099769	Oligo	RBFA
TIMM8A.3	6.76E-06	-0.13028	0.033	0.1	0.101084	Oligo	TIMM8A
GFOD2.6	6.77E-06	-0.13413	0.056	0.135	0.101145	Oligo	GFOD2
SDCCAG8.5	6.79E-06	-0.1131	0.214	0.334	0.101537	Oligo	SDCCAG8
PIGC	6.79E-06	-0.12905	0.125	0.224	0.10154	Oligo	PIGC
ARHGEF40.6	6.80E-06	-0.15805	0.054	0.131	0.101665	Oligo	ARHGEF40
AMH.7	6.85E-06	-0.11085	0.007	0.059	0.102318	Oligo	AMH
SPNS1.5	6.87E-06	-0.14779	0.181	0.294	0.102711	Oligo	SPNS1
TNKS.9	6.91E-06	0.275089	0.212	0.146	0.103298	Oligo	TNKS
VAPA.5	6.96E-06	0.137425	0.607	0.634	0.104037	Oligo	VAPA
BOLA2B.2	6.97E-06	0.278559	0.125	0.071	0.104228	Oligo	BOLA2B
GLMN.3	6.99E-06	-0.15125	0.028	0.093	0.104464	Oligo	GLMN
LINC01116	7.05E-06	-0.11814	0.056	0.135	0.105366	Oligo	LINC01116
ELOVL4.7	7.09E-06	-0.11599	0.021	0.082	0.105975	Oligo	ELOVL4
SCLT1.3	7.12E-06	-0.16276	0.014	0.07	0.106338	Oligo	SCLT1
NBPF11	7.12E-06	0.114273	0.031	0.009	0.106414	Oligo	NBPF11
XKR4.7	7.14E-06	-0.1288	0.007	0.059	0.106773	Oligo	XKR4
ZNF334.6	7.16E-06	-0.11217	0.016	0.075	0.107071	Oligo	ZNF334
NAA38.3	7.19E-06	0.136429	0.32	0.477	0.107374	Oligo	NAA38
FHOD1.9	7.26E-06	-0.18773	0.007	0.058	0.108481	Oligo	FHOD1
LARS.5	7.29E-06	-0.12389	0.216	0.346	0.108872	Oligo	LARS
CCDC93.5	7.33E-06	-0.12983	0.054	0.13	0.109476	Oligo	CCDC93
C1RL.2	7.35E-06	-0.18742	0.007	0.058	0.109805	Oligo	C1RL
GPD2.1	7.36E-06	-0.13707	0.028	0.093	0.110045	Oligo	GPD2
ZNF394.2	7.39E-06	-0.2004	0.066	0.145	0.110464	Oligo	ZNF394
PRPS2.4	7.47E-06	-0.16592	0.052	0.127	0.111642	Oligo	PRPS2
RFC5.3	7.48E-06	-0.17917	0.028	0.092	0.111734	Oligo	RFC5
LMAN1.5	7.51E-06	-0.1781	0.214	0.333	0.112284	Oligo	LMAN1
ADAMTS10.7	7.54E-06	-0.14917	0	0.045	0.112633	Oligo	ADAMTS10
PTPRO.8	7.60E-06	-0.21252	0.021	0.08	0.113586	Oligo	PTPRO
SLC12A6	7.61E-06	0.25796	0.04	0.014	0.113703	Oligo	SLC12A6
L3HYPDH.3	7.62E-06	-0.1366	0.052	0.127	0.113925	Oligo	L3HYPDH
ZNF821.9	7.67E-06	-0.17462	0.082	0.166	0.114557	Oligo	ZNF821
FLI1.9	7.70E-06	-0.22566	0.005	0.054	0.115031	Oligo	FLI1
NADK.4	7.72E-06	-0.13394	0.082	0.17	0.115396	Oligo	NADK
RPS6KB2.4	7.74E-06	-0.20122	0.132	0.23	0.115736	Oligo	RPS6KB2
PIBF1.3	7.78E-06	-0.15539	0.028	0.092	0.116208	Oligo	PIBF1
GNPNAT1.3	7.82E-06	-0.13208	0.035	0.104	0.116925	Oligo	GNPNAT1
RALA.6	7.86E-06	-0.16092	0.245	0.364	0.117521	Oligo	RALA

STAT6. 9	7. 87E-06	-0. 18048	0. 005	0. 054	0. 117629	Oligo	STAT6
ERC1. 3	7. 90E-06	-0. 11258	0. 049	0. 124	0. 118011	Oligo	ERC1
FANCG. 2	7. 93E-06	-0. 13567	0. 012	0. 066	0. 118564	Oligo	FANCG
RRP1B. 6	7. 98E-06	-0. 11815	0. 075	0. 159	0. 119218	Oligo	RRP1B
EPB41. 2	7. 99E-06	-0. 17351	0. 009	0. 062	0. 119406	Oligo	EPB41
AP5S1. 2	8. 00E-06	-0. 11236	0. 033	0. 1	0. 119482	Oligo	AP5S1
WDR73. 4	8. 01E-06	-0. 10012	0. 064	0. 144	0. 119649	Oligo	WDR73
NDC80. 7	8. 02E-06	-0. 14135	0. 002	0. 05	0. 119786	Oligo	NDC80
MKS1. 2	8. 03E-06	-0. 11561	0. 028	0. 093	0. 119974	Oligo	MKS1
CIZ1. 4	8. 04E-06	-0. 15736	0. 092	0. 183	0. 120171	Oligo	CIZ1
PDE8B. 4	8. 10E-06	-0. 10546	0. 002	0. 049	0. 121007	Oligo	PDE8B
ECE2. 1	8. 14E-06	-0. 15997	0. 007	0. 058	0. 121601	Oligo	ECE2
SWI5. 7	8. 16E-06	-0. 18745	0. 146	0. 249	0. 121997	Oligo	SWI5
ADCY7. 9	8. 19E-06	-0. 23501	0. 012	0. 065	0. 122414	Oligo	ADCY7
TMEM19. 5	8. 21E-06	-0. 14538	0. 073	0. 155	0. 122664	Oligo	TMEM19
ACP5. 7	8. 24E-06	-0. 2088	0. 002	0. 049	0. 123165	Oligo	ACP5
PPFIA1. 1	8. 24E-06	-0. 14585	0. 082	0. 17	0. 123199	Oligo	PPFIA1
SLC16A9. 5	8. 25E-06	-0. 10688	0. 002	0. 049	0. 12334	Oligo	SLC16A9
NDUFAF2. 5	8. 28E-06	-0. 13698	0. 167	0. 276	0. 123783	Oligo	NDUFAF2
LRCH3. 6	8. 29E-06	0. 281264	0. 2	0. 135	0. 123847	Oligo	LRCH3
DOK2. 8	8. 34E-06	-0. 24332	0. 007	0. 057	0. 124691	Oligo	DOK2
TSPAN3. 7	8. 37E-06	-0. 18554	0. 339	0. 464	0. 125057	Oligo	TSPAN3
DIS3. 5	8. 39E-06	-0. 12506	0. 071	0. 153	0. 125359	Oligo	DIS3
RNF113A	8. 41E-06	-0. 1016	0. 061	0. 139	0. 125723	Oligo	RNF113A
FAXC. 8	8. 42E-06	-0. 15367	0. 026	0. 088	0. 125767	Oligo	FAXC
DDX1. 6	8. 45E-06	-0. 15853	0. 242	0. 364	0. 126312	Oligo	DDX1
RBBP8. 4	8. 46E-06	-0. 11636	0. 024	0. 085	0. 126452	Oligo	RBBP8
FOXM1. 7	8. 46E-06	-0. 13073	0. 005	0. 054	0. 12647	Oligo	FOXM1
FAM149B1	8. 48E-06	0. 10171	0. 054	0. 022	0. 126777	Oligo	FAM149B1
DLST	8. 51E-06	-0. 14447	0. 071	0. 153	0. 127199	Oligo	DLST
GCNT2. 2	8. 57E-06	-0. 14896	0	0. 045	0. 12808	Oligo	GCNT2
NT5C. 4	8. 61E-06	-0. 11715	0. 2	0. 325	0. 128634	Oligo	NT5C
KIF21A. 9	8. 61E-06	-0. 1877	0. 2	0. 306	0. 128738	Oligo	KIF21A
PELO. 4	8. 62E-06	-0. 16342	0. 04	0. 109	0. 12877	Oligo	PELO
SEPT3. 8	8. 69E-06	-0. 16378	0. 014	0. 069	0. 12983	Oligo	3-Sep
IRF5. 9	8. 71E-06	-0. 24745	0. 009	0. 061	0. 130119	Oligo	IRF5
RPRM. 9	8. 76E-06	-0. 23332	0. 014	0. 068	0. 130952	Oligo	RPRM
NEK11. 5	9. 03E-06	-0. 12804	0. 002	0. 049	0. 134996	Oligo	NEK11
RASSF7. 6	9. 23E-06	-0. 1594	0. 016	0. 073	0. 137994	Oligo	RASSF7
CTB-113I2	9. 29E-06	-0. 10767	0. 009	0. 062	0. 138853	Oligo	CTB-113I20. 2
ESYT1. 8	9. 30E-06	-0. 13519	0. 049	0. 123	0. 138912	Oligo	ESYT1
BCAS4. 3	9. 37E-06	-0. 11436	0. 026	0. 088	0. 139992	Oligo	BCAS4
CHRAC1. 6	9. 38E-06	0. 339014	0. 209	0. 142	0. 140177	Oligo	CHRAC1
C5orf15. 2	9. 42E-06	-0. 11013	0. 207	0. 328	0. 140725	Oligo	C5orf15
RP6-91H8. 3	9. 42E-06	-0. 221	0. 007	0. 058	0. 14084	Oligo	RP6-91H8. 3
MUC12. 4	9. 54E-06	-0. 1972	0	0. 044	0. 142552	Oligo	MUC12
SRRT. 6	9. 55E-06	-0. 17694	0. 125	0. 22	0. 142683	Oligo	SRRT
ZNF592. 1	9. 57E-06	0. 162492	0. 106	0. 057	0. 142947	Oligo	ZNF592
ZNF595. 5	9. 67E-06	-0. 16483	0. 019	0. 077	0. 144486	Oligo	ZNF595
QPCT. 5	9. 70E-06	-0. 19257	0. 002	0. 049	0. 144934	Oligo	QPCT
ZNF433. 3	9. 73E-06	-0. 12432	0. 007	0. 057	0. 145474	Oligo	ZNF433

SCYL2.3	9.79E-06	-0.10909	0.059	0.138	0.146249	Oligo	SCYL2
BTN2A1.1	9.91E-06	-0.11131	0.049	0.122	0.148082	Oligo	BTN2A1
DSCAM.6	9.94E-06	-0.18096	0.019	0.076	0.148584	Oligo	DSCAM
TRIM5.1	9.96E-06	-0.11679	0.005	0.053	0.148818	Oligo	TRIM5
FBXW4	9.97E-06	0.170628	0.085	0.041	0.148999	Oligo	FBXW4
IGFLR1.6	1.01E-05	-0.235	0.007	0.057	0.150392	Oligo	IGFLR1
RP11-386I	1.01E-05	-0.24992	0.014	0.068	0.150802	Oligo	RP11-386I14.4
SLC25A4.9	1.01E-05	0.385225	0.482	0.424	0.151618	Oligo	SLC25A4
FAR2.4	1.02E-05	-0.16284	0.007	0.057	0.152798	Oligo	FAR2
NSMCE2.2	1.03E-05	-0.18482	0.078	0.16	0.15386	Oligo	NSMCE2
ASNS.9	1.03E-05	-0.23274	0.096	0.18	0.154356	Oligo	ASNS
TMC01.4	1.05E-05	-0.11845	0.44	0.58	0.156184	Oligo	TMC01
VHL.4	1.05E-05	-0.16891	0.082	0.166	0.156529	Oligo	VHL
ACOT2	1.05E-05	-0.1764	0.014	0.068	0.157426	Oligo	ACOT2
GMPR.2	1.06E-05	-0.12718	0.024	0.084	0.158	Oligo	GMPR
ULBP2.1	1.06E-05	-0.1432	0.002	0.048	0.158226	Oligo	ULBP2
RSBN1L.7	1.06E-05	-0.15785	0.24	0.359	0.158633	Oligo	RSBN1L
TAOK1.6	1.07E-05	0.322312	0.318	0.257	0.159879	Oligo	TAOK1
C5orf63.3	1.08E-05	-0.13095	0.014	0.069	0.161072	Oligo	C5orf63
B4GALT4.2	1.08E-05	-0.14294	0.064	0.141	0.161694	Oligo	B4GALT4
ZNF567.4	1.08E-05	-0.14502	0.033	0.098	0.161885	Oligo	ZNF567
CYP2R1	1.08E-05	-0.15824	0.016	0.072	0.162085	Oligo	CYP2R1
DHX16.1	1.09E-05	-0.10629	0.04	0.109	0.163262	Oligo	DHX16
SFT2D2.4	1.10E-05	0.272343	0.212	0.145	0.16373	Oligo	SFT2D2
CASD1.6	1.10E-05	0.238056	0.129	0.075	0.164043	Oligo	CASD1
TTBK2.1	1.10E-05	0.251053	0.125	0.072	0.164238	Oligo	TTBK2
PIF1.4	1.10E-05	-0.13737	0.005	0.052	0.164845	Oligo	PIF1
FOSL1.4	1.10E-05	-0.11332	0.002	0.048	0.165047	Oligo	FOSL1
HTATSF1.5	1.11E-05	-0.13632	0.172	0.278	0.165157	Oligo	HTATSF1
MPEG1.7	1.11E-05	-0.17849	0	0.044	0.165587	Oligo	MPEG1
C19orf12.1	1.11E-05	-0.10299	0.066	0.145	0.16597	Oligo	C19orf12
GOT1.1	1.12E-05	0.426106	0.193	0.129	0.167718	Oligo	GOT1
PLEKHA2.4	1.13E-05	-0.1718	0.047	0.117	0.16823	Oligo	PLEKHA2
MAK16.2	1.13E-05	-0.10665	0.031	0.094	0.168542	Oligo	MAK16
C8orf33.5	1.13E-05	-0.15514	0.207	0.322	0.169028	Oligo	C8orf33
GAS2L1.7	1.13E-05	-0.12678	0.073	0.155	0.169113	Oligo	GAS2L1
GOPC.7	1.14E-05	-0.14724	0.155	0.262	0.169798	Oligo	GOPC
MARC1.7	1.15E-05	-0.10488	0.009	0.061	0.171319	Oligo	1-Mar
TMEM135	1.15E-05	0.108257	0.066	0.029	0.172003	Oligo	TMEM135
MYL5.2	1.17E-05	-0.13845	0.033	0.098	0.174828	Oligo	MYL5
APAF1.5	1.18E-05	-0.15611	0.014	0.068	0.17633	Oligo	APAF1
PSAP.6	1.18E-05	0.124747	0.793	0.82	0.176524	Oligo	PSAP
GBGT1.8	1.19E-05	-0.19435	0.005	0.052	0.177829	Oligo	GBGT1
ANKRD42	1.19E-05	-0.14727	0.009	0.061	0.178324	Oligo	ANKRD42
MANBA.9	1.20E-05	-0.18486	0.052	0.123	0.179639	Oligo	MANBA
ALG2.4	1.20E-05	-0.20587	0.085	0.166	0.179995	Oligo	ALG2
VPS37B.7	1.21E-05	-0.19312	0.158	0.258	0.180269	Oligo	VPS37B
CCDC85C	1.21E-05	0.167483	0.061	0.027	0.180302	Oligo	CCDC85C
MED17.5	1.21E-05	-0.17616	0.104	0.193	0.180728	Oligo	MED17
DPF3.5	1.22E-05	-0.12365	0.061	0.139	0.183025	Oligo	DPF3
FBLIM1.4	1.23E-05	-0.16689	0.028	0.091	0.183156	Oligo	FBLIM1

IQSEC2. 2	1. 23E-05	-0. 1722	0. 007	0. 056	0. 183792	Oligo	IQSEC2
NCDN. 5	1. 23E-05	0. 241277	0. 144	0. 088	0. 183944	Oligo	NCDN
LIN7A. 4	1. 23E-05	-0. 10309	0	0. 043	0. 184277	Oligo	LIN7A
EIF4G2. 8	1. 24E-05	-0. 17897	0. 527	0. 664	0. 185115	Oligo	EIF4G2
BMP8B	1. 24E-05	0. 165007	0. 042	0. 015	0. 185244	Oligo	BMP8B
CCL3L3. 6	1. 24E-05	-0. 59939	0. 007	0. 056	0. 185744	Oligo	CCL3L3
JAK1. 4	1. 26E-05	-0. 17485	0. 155	0. 256	0. 187628	Oligo	JAK1
CRYBB1. 7	1. 26E-05	-0. 2141	0	0. 043	0. 18826	Oligo	CRYBB1
MPRIP. 3	1. 26E-05	0. 304903	0. 219	0. 154	0. 188295	Oligo	MPRIP
EEF2K. 1	1. 26E-05	-0. 11938	0. 002	0. 048	0. 188521	Oligo	EEF2K
RP3-428L1	1. 27E-05	-0. 11672	0. 016	0. 072	0. 189261	Oligo	RP3-428L16. 2
FAM188A. 5	1. 27E-05	0. 22602	0. 146	0. 089	0. 19018	Oligo	FAM188A
TMEM117	1. 27E-05	0. 168442	0. 085	0. 042	0. 190233	Oligo	TMEM117
SMUG1. 2	1. 28E-05	-0. 16219	0. 122	0. 216	0. 191146	Oligo	SMUG1
CRYL1. 2	1. 29E-05	0. 443059	0. 365	0. 308	0. 192044	Oligo	CRYL1
CTB-58E17	1. 29E-05	-0. 12446	0. 009	0. 06	0. 192812	Oligo	CTB-58E17. 1
WDR36. 1	1. 30E-05	-0. 12753	0. 021	0. 08	0. 194017	Oligo	WDR36
RP11-545E	1. 31E-05	-0. 12625	0. 005	0. 052	0. 195075	Oligo	RP11-545E17. 3
SLC12A7. 4	1. 31E-05	-0. 1455	0	0. 043	0. 196485	Oligo	SLC12A7
PIGZ. 4	1. 32E-05	-0. 11031	0. 012	0. 064	0. 197092	Oligo	PIGZ
KLHL12. 4	1. 32E-05	-0. 14131	0. 054	0. 127	0. 197192	Oligo	KLHL12
MACROD1. 3	1. 32E-05	-0. 10412	0. 052	0. 125	0. 197707	Oligo	MACROD1
UBE4A. 3	1. 32E-05	0. 273788	0. 214	0. 15	0. 19789	Oligo	UBE4A
P4HA2. 4	1. 33E-05	-0. 1439	0. 024	0. 083	0. 198741	Oligo	P4HA2
SFRP1. 8	1. 33E-05	0. 482608	0. 148	0. 096	0. 19913	Oligo	SFRP1
CREB3L4. 1	1. 33E-05	-0. 15916	0. 005	0. 052	0. 199232	Oligo	CREB3L4
RAD1. 5	1. 33E-05	-0. 11031	0. 094	0. 181	0. 199406	Oligo	RAD1
SLC19A1. 3	1. 34E-05	-0. 13217	0. 016	0. 072	0. 200262	Oligo	SLC19A1
ANKHD1. 2	1. 34E-05	-0. 16973	0. 021	0. 078	0. 200356	Oligo	ANKHD1
LRP6. 8	1. 35E-05	0. 290888	0. 169	0. 11	0. 201892	Oligo	LRP6
CHSY1. 3	1. 36E-05	-0. 13688	0. 031	0. 094	0. 20362	Oligo	CHSY1
TANC1. 7	1. 37E-05	0. 246462	0. 165	0. 106	0. 204126	Oligo	TANC1
MIS18A. 5	1. 37E-05	-0. 10217	0. 04	0. 108	0. 204544	Oligo	MIS18A
COQ4. 5	1. 37E-05	-0. 11995	0. 16	0. 271	0. 205395	Oligo	COQ4
STRIP1. 6	1. 38E-05	-0. 15308	0. 054	0. 127	0. 205813	Oligo	STRIP1
CTR9. 2	1. 38E-05	-0. 16733	0. 089	0. 175	0. 206115	Oligo	CTR9
LHFPL3. 9	1. 38E-05	-0. 20048	0. 052	0. 122	0. 206465	Oligo	LHFPL3
OTUD1. 7	1. 38E-05	-0. 28203	0. 038	0. 1	0. 206505	Oligo	OTUD1
TLR5. 6	1. 38E-05	-0. 23506	0. 002	0. 047	0. 206917	Oligo	TLR5
TXLNG. 6	1. 39E-05	-0. 14328	0. 061	0. 136	0. 207578	Oligo	TXLNG
ESCO1. 1	1. 39E-05	-0. 13436	0. 054	0. 126	0. 207924	Oligo	ESCO1
DOCK11. 8	1. 41E-05	-0. 16641	0. 007	0. 056	0. 21087	Oligo	DOCK11
CTDSPL2. 2	1. 41E-05	-0. 10197	0. 042	0. 112	0. 211033	Oligo	CTDSPL2
SLC25A17. 1	1. 41E-05	-0. 12102	0. 078	0. 16	0. 211294	Oligo	SLC25A17
HIST2H2AC	1. 42E-05	-0. 12816	0. 009	0. 06	0. 21204	Oligo	HIST2H2AC
IRF9. 4	1. 42E-05	0. 296059	0. 148	0. 091	0. 212202	Oligo	IRF9
C18orf21. 1	1. 42E-05	-0. 17303	0. 085	0. 168	0. 212274	Oligo	C18orf21
C10orf35. 1	1. 43E-05	-0. 19762	0. 009	0. 059	0. 212961	Oligo	C10orf35
FAM20C. 7	1. 43E-05	-0. 15433	0. 132	0. 227	0. 213013	Oligo	FAM20C
SLC25A36. 1	1. 43E-05	-0. 16096	0. 165	0. 273	0. 214049	Oligo	SLC25A36
FLCN. 4	1. 43E-05	0. 334871	0. 195	0. 133	0. 214415	Oligo	FLCN

CLSPN. 6	1. 44E-05	-0. 12868	0. 012	0. 064	0. 214975	Oligo	CLSPN
ATG4B. 3	1. 44E-05	-0. 13923	0. 172	0. 28	0. 215253	Oligo	ATG4B
PRKRIR. 3	1. 44E-05	-0. 1072	0. 042	0. 111	0. 215436	Oligo	PRKRIR
TMEM44. 1	1. 45E-05	-0. 10965	0. 002	0. 047	0. 216111	Oligo	TMEM44
TYW1. 3	1. 45E-05	-0. 16074	0. 052	0. 122	0. 217082	Oligo	TYW1
DLGAP1. 6	1. 46E-05	-0. 12323	0. 002	0. 047	0. 217864	Oligo	DLGAP1
ITM2A. 8	1. 46E-05	0. 314148	0. 101	0. 053	0. 217964	Oligo	ITM2A
SMIM18. 8	1. 46E-05	-0. 18147	0. 012	0. 063	0. 218375	Oligo	SMIM18
SLC2A8. 4	1. 48E-05	-0. 18804	0. 066	0. 142	0. 221315	Oligo	SLC2A8
ARHGAP31. 1	1. 49E-05	-0. 13388	0. 002	0. 047	0. 222069	Oligo	ARHGAP31
GTF2H1. 2	1. 49E-05	-0. 16664	0. 094	0. 18	0. 222498	Oligo	GTF2H1
ZNF219. 1	1. 49E-05	-0. 14571	0. 014	0. 067	0. 22288	Oligo	ZNF219
ARHGEF10L	1. 49E-05	-0. 15507	0. 012	0. 063	0. 223185	Oligo	ARHGEF10L
EZH1. 2	1. 52E-05	0. 30413	0. 132	0. 078	0. 226528	Oligo	EZH1
LMAN2L. 6	1. 52E-05	-0. 1299	0. 047	0. 116	0. 227232	Oligo	LMAN2L
TRMT11. 6	1. 53E-05	-0. 18337	0. 049	0. 119	0. 229327	Oligo	TRMT11
QTRT1. 7	1. 54E-05	-0. 13322	0. 216	0. 335	0. 229393	Oligo	QTRT1
TMEM68. 6	1. 54E-05	-0. 10882	0. 085	0. 17	0. 230615	Oligo	TMEM68
RP11-108M	1. 54E-05	-0. 26341	0. 04	0. 104	0. 230767	Oligo	RP11-108M9. 4
MYPOP. 1	1. 55E-05	-0. 11337	0. 024	0. 083	0. 231096	Oligo	MYPOP
ZNF556	1. 55E-05	0. 162606	0. 028	0. 008	0. 23165	Oligo	ZNF556
TMEM164	1. 56E-05	-0. 1075	0	0. 042	0. 233123	Oligo	TMEM164
CSDE1. 5	1. 57E-05	-0. 14587	0. 461	0. 607	0. 233896	Oligo	CSDE1
MPP6. 6	1. 57E-05	-0. 10322	0. 019	0. 075	0. 234238	Oligo	MPP6
SAR1B. 4	1. 57E-05	0. 365044	0. 379	0. 32	0. 234349	Oligo	SAR1B
ZNF441. 2	1. 57E-05	-0. 10663	0. 002	0. 047	0. 235169	Oligo	ZNF441
NR2F2. 6	1. 59E-05	-0. 15617	0. 002	0. 046	0. 236886	Oligo	NR2F2
CAPN7. 3	1. 59E-05	-0. 10974	0. 047	0. 116	0. 237053	Oligo	CAPN7
DTD2. 4	1. 61E-05	0. 239217	0. 12	0. 069	0. 240186	Oligo	DTD2
ZNF439. 8	1. 61E-05	-0. 10022	0. 071	0. 151	0. 240303	Oligo	ZNF439
DDX28. 1	1. 61E-05	-0. 14149	0. 024	0. 082	0. 240377	Oligo	DDX28
TMEM214. 1	1. 61E-05	-0. 14913	0. 049	0. 12	0. 240914	Oligo	TMEM214
TRAF3IP2-	1. 62E-05	-0. 14849	0. 024	0. 082	0. 241955	Oligo	TRAF3IP2-AS1
KLHL36. 3	1. 62E-05	-0. 10592	0. 033	0. 096	0. 242809	Oligo	KLHL36
CEP19. 7	1. 63E-05	-0. 10186	0. 021	0. 079	0. 242882	Oligo	CEP19
DNAJC30. 7	1. 63E-05	-0. 10373	0. 075	0. 157	0. 242974	Oligo	DNAJC30
SP9. 8	1. 63E-05	-0. 15773	0	0. 042	0. 2433	Oligo	SP9
CTPS1. 6	1. 63E-05	-0. 18094	0. 042	0. 108	0. 243455	Oligo	CTPS1
SYVN1. 1	1. 64E-05	0. 281709	0. 16	0. 101	0. 24519	Oligo	SYVN1
EPOR. 5	1. 64E-05	-0. 1384	0. 016	0. 071	0. 245286	Oligo	EPOR
MAML1. 7	1. 67E-05	-0. 14912	0. 049	0. 12	0. 248951	Oligo	MAML1
MYBL2. 7	1. 67E-05	-0. 11294	0. 002	0. 046	0. 249453	Oligo	MYBL2
PTPMT1. 3	1. 67E-05	-0. 18233	0. 235	0. 357	0. 24996	Oligo	PTPMT1
GTSE1. 7	1. 68E-05	-0. 12116	0. 009	0. 059	0. 250447	Oligo	GTSE1
UBE2R2. 6	1. 68E-05	0. 363458	0. 344	0. 284	0. 250523	Oligo	UBE2R2
ZBTB41. 1	1. 68E-05	0. 199722	0. 082	0. 041	0. 250595	Oligo	ZBTB41
C8orf58	1. 70E-05	-0. 11368	0. 009	0. 059	0. 253448	Oligo	C8orf58
PDZRN3. 7	1. 70E-05	-0. 14376	0. 009	0. 059	0. 253619	Oligo	PDZRN3
SIGLEC14. 1	1. 72E-05	-0. 20969	0. 002	0. 046	0. 256397	Oligo	SIGLEC14
PMS1. 2	1. 73E-05	-0. 14479	0. 049	0. 12	0. 258778	Oligo	PMS1
PSTPIP2. 6	1. 75E-05	-0. 13985	0. 002	0. 046	0. 262083	Oligo	PSTPIP2

EPSTI1.9	1.76E-05	-0.24761	0.056	0.128	0.262447	Oligo	EPSTI1
SNX19.1	1.76E-05	0.283739	0.148	0.093	0.262718	Oligo	SNX19
PLCB3.1	1.76E-05	-0.11496	0.009	0.059	0.262916	Oligo	PLCB3
SHCBP1.5	1.76E-05	-0.12099	0.007	0.055	0.263093	Oligo	SHCBP1
MATN2.6	1.77E-05	0.236736	0.113	0.064	0.264609	Oligo	MATN2
COG2.1	1.77E-05	-0.13565	0.049	0.12	0.26495	Oligo	COG2
BUB1.5	1.77E-05	-0.12332	0	0.042	0.265001	Oligo	BUB1
IL6.3	1.77E-05	-0.20466	0	0.042	0.265001	Oligo	IL6
CAP2.6	1.78E-05	-0.13768	0.009	0.059	0.266072	Oligo	CAP2
RP1-92014	1.78E-05	0.103234	0.019	0.004	0.266731	Oligo	RP1-92014.3
TGFB3	1.79E-05	0.203385	0.052	0.021	0.266764	Oligo	TGFB3
USP18.1	1.79E-05	-0.13443	0.012	0.063	0.267828	Oligo	USP18
ZNF346.1	1.79E-05	-0.1342	0.016	0.07	0.268097	Oligo	ZNF346
ARMC6.4	1.80E-05	-0.16402	0.082	0.163	0.26825	Oligo	ARMC6
SFRP4.5	1.80E-05	-0.2246	0.009	0.058	0.268984	Oligo	SFRP4
MICA.2	1.80E-05	-0.14566	0.002	0.046	0.269057	Oligo	MICA
FZD2	1.81E-05	-0.1018	0	0.042	0.270721	Oligo	FZD2
THG1L.4	1.83E-05	-0.16236	0.021	0.078	0.273563	Oligo	THG1L
PREB.4	1.83E-05	-0.14402	0.12	0.213	0.273795	Oligo	PREB
METTL21B.	1.85E-05	-0.12779	0.014	0.067	0.276487	Oligo	METTL21B
CA9.5	1.85E-05	-0.18308	0	0.041	0.276564	Oligo	CA9
HLTF.7	1.85E-05	-0.13294	0.092	0.176	0.27667	Oligo	HLTF
PLXNA2.3	1.86E-05	-0.13494	0.005	0.05	0.278223	Oligo	PLXNA2
TRAF3IP3.	1.86E-05	-0.24738	0.007	0.054	0.278402	Oligo	TRAF3IP3
OGG1.3	1.86E-05	-0.13433	0.073	0.153	0.278496	Oligo	OGG1
HNRNPU.4	1.87E-05	-0.13254	0.398	0.535	0.278958	Oligo	HNRNPU
AKNA.7	1.87E-05	-0.1671	0.019	0.074	0.279271	Oligo	AKNA
BACE2.7	1.87E-05	0.206949	0.099	0.053	0.279361	Oligo	BACE2
FDXR.2	1.87E-05	-0.11164	0.047	0.116	0.27962	Oligo	FDXR
SIMC1.1	1.88E-05	-0.10716	0.007	0.055	0.280371	Oligo	SIMC1
TESC.2	1.89E-05	-0.1269	0	0.041	0.282532	Oligo	TESC
MASP1.5	1.89E-05	-0.16008	0	0.041	0.282532	Oligo	MASP1
HABP4.5	1.90E-05	0.309531	0.174	0.117	0.28422	Oligo	HABP4
FGD2.8	1.91E-05	-0.24111	0.012	0.062	0.285747	Oligo	FGD2
ZNF786.6	1.93E-05	-0.13386	0.019	0.073	0.288776	Oligo	ZNF786
FAHD2A.3	1.94E-05	0.335439	0.233	0.17	0.289746	Oligo	FAHD2A
STK10.8	1.95E-05	-0.14912	0.019	0.074	0.291028	Oligo	STK10
LRCH4.8	1.95E-05	-0.19849	0.106	0.192	0.291999	Oligo	LRCH4
KIF23.6	1.97E-05	-0.12161	0	0.041	0.294858	Oligo	KIF23
HNRNPUL2.	1.98E-05	0.295144	0.224	0.161	0.29519	Oligo	HNRNPUL2
TSPAN5.9	2.00E-05	0.325484	0.32	0.26	0.298504	Oligo	TSPAN5
AGK.3	2.02E-05	-0.1592	0.038	0.102	0.301198	Oligo	AGK
SNAI2.4	2.02E-05	-0.10233	0	0.041	0.30122	Oligo	SNAI2
HRH2.6	2.02E-05	-0.17555	0	0.041	0.30122	Oligo	HRH2
TMEM159	2.02E-05	-0.12284	0.005	0.05	0.301362	Oligo	TMEM159
OPN3.5	2.02E-05	-0.1162	0.019	0.074	0.302251	Oligo	OPN3
DMXL1.1	2.03E-05	0.218302	0.141	0.086	0.302676	Oligo	DMXL1
NIT1.1	2.03E-05	-0.15625	0.089	0.173	0.303197	Oligo	NIT1
CEP170.5	2.03E-05	0.267661	0.327	0.259	0.303734	Oligo	CEP170
UQCC1.5	2.04E-05	-0.1536	0.085	0.168	0.304777	Oligo	UQCC1
FBXL16.5	2.05E-05	-0.10616	0.002	0.045	0.306899	Oligo	FBXL16

MYOF. 6	2. 06E-05	-0. 16582	0. 002	0. 045	0. 307689	Oligo	MYOF
CHST8. 7	2. 09E-05	-0. 12152	0. 016	0. 069	0. 311895	Oligo	CHST8
NRXN2. 9	2. 09E-05	0. 262926	0. 179	0. 114	0. 312198	Oligo	NRXN2
WRAP53	2. 09E-05	-0. 14647	0. 028	0. 088	0. 312479	Oligo	WRAP53
S1PR3. 2	2. 10E-05	0. 397509	0. 092	0. 049	0. 313443	Oligo	S1PR3
MOGS. 2	2. 10E-05	-0. 13139	0. 054	0. 126	0. 31372	Oligo	MOGS
TMEM136. 6	2. 10E-05	0. 298712	0. 139	0. 086	0. 31456	Oligo	TMEM136
DHRS4. 6	2. 12E-05	-0. 20073	0. 026	0. 084	0. 316685	Oligo	DHRS4
DTNA. 8	2. 13E-05	-0. 28339	0. 158	0. 256	0. 317709	Oligo	DTNA
SAFB. 5	2. 14E-05	-0. 13933	0. 184	0. 293	0. 320038	Oligo	SAFB
TBCD. 3	2. 14E-05	-0. 13091	0. 071	0. 148	0. 320254	Oligo	TBCD
IDH2. 7	2. 18E-05	-0. 15758	0. 311	0. 431	0. 325054	Oligo	IDH2
PCGF1. 1	2. 19E-05	-0. 20199	0. 035	0. 097	0. 327503	Oligo	PCGF1
IGLON5. 5	2. 20E-05	-0. 1619	0. 005	0. 049	0. 328893	Oligo	IGLON5
AGTRAP. 5	2. 22E-05	-0. 2231	0. 184	0. 285	0. 331274	Oligo	AGTRAP
MEN1. 4	2. 23E-05	-0. 12093	0. 049	0. 119	0. 333307	Oligo	MEN1
ARHGEF1. 6	2. 24E-05	-0. 12441	0. 108	0. 2	0. 334343	Oligo	ARHGEF1
SMKR1. 6	2. 25E-05	-0. 15142	0. 019	0. 073	0. 336224	Oligo	SMKR1
PNPO. 5	2. 27E-05	-0. 12347	0. 024	0. 081	0. 3386	Oligo	PNPO
CLUAP1. 8	2. 27E-05	-0. 13446	0. 087	0. 171	0. 339102	Oligo	CLUAP1
FAM175A. 2	2. 27E-05	-0. 10415	0. 014	0. 066	0. 339931	Oligo	FAM175A
SSPN. 4	2. 28E-05	-0. 16249	0. 042	0. 108	0. 340533	Oligo	SSPN
NRSN1. 7	2. 29E-05	-0. 13512	0. 012	0. 062	0. 341684	Oligo	NRSN1
CRIP1. 7	2. 29E-05	-0. 23984	0	0. 041	0. 342371	Oligo	CRIP1
MAN1A1. 8	2. 29E-05	-0. 17493	0. 005	0. 049	0. 342699	Oligo	MAN1A1
POLR3H. 5	2. 30E-05	-0. 11158	0. 122	0. 218	0. 342972	Oligo	POLR3H
BRCC3. 1	2. 31E-05	-0. 13149	0. 042	0. 109	0. 344564	Oligo	BRCC3
MAPRE3. 7	2. 31E-05	0. 205383	0. 245	0. 176	0. 344654	Oligo	MAPRE3
ACTR8. 1	2. 31E-05	-0. 17018	0. 042	0. 107	0. 34538	Oligo	ACTR8
CD7. 6	2. 32E-05	-0. 27561	0. 002	0. 045	0. 346784	Oligo	CD7
SYT5. 7	2. 32E-05	-0. 1391	0. 002	0. 045	0. 347106	Oligo	SYT5
ARHGAP33. 2	2. 34E-05	0. 24248	0. 134	0. 08	0. 349254	Oligo	ARHGAP33
PDE9A. 5	2. 34E-05	-0. 15443	0. 019	0. 073	0. 349529	Oligo	PDE9A
RP11-400N	2. 37E-05	0. 128503	0. 019	0. 004	0. 354103	Oligo	RP11-400N9. 1
COMTD1. 5	2. 38E-05	-0. 11674	0. 012	0. 062	0. 355178	Oligo	COMTD1
TTC17. 4	2. 38E-05	-0. 1542	0. 127	0. 222	0. 355682	Oligo	TTC17
TLE2. 8	2. 40E-05	-0. 17095	0. 033	0. 093	0. 35893	Oligo	TLE2
ANAPC5. 6	2. 41E-05	0. 309856	0. 438	0. 394	0. 360366	Oligo	ANAPC5
CHD6. 8	2. 42E-05	-0. 11106	0. 148	0. 248	0. 361018	Oligo	CHD6
HNRNPA1L2	2. 42E-05	-0. 15919	0. 115	0. 204	0. 361238	Oligo	HNRNPA1L2
PPIA. 4	2. 42E-05	0. 111384	0. 831	0. 877	0. 361395	Oligo	PPIA
N4BP2L1. 3	2. 42E-05	-0. 20046	0. 082	0. 16	0. 361868	Oligo	N4BP2L1
CD2AP. 4	2. 43E-05	-0. 13395	0. 026	0. 084	0. 363225	Oligo	CD2AP
ASL. 6	2. 46E-05	-0. 14113	0. 092	0. 174	0. 366985	Oligo	ASL
GALC. 5	2. 48E-05	0. 231613	0. 158	0. 1	0. 370767	Oligo	GALC
KRT7. 5	2. 50E-05	-0. 16237	0	0. 04	0. 372871	Oligo	KRT7
OXSM. 1	2. 50E-05	-0. 13947	0. 026	0. 083	0. 37331	Oligo	OXSM
RRP9. 3	2. 51E-05	-0. 15103	0. 08	0. 159	0. 37488	Oligo	RRP9
PLCG2. 6	2. 51E-05	-0. 14326	0. 005	0. 049	0. 374939	Oligo	PLCG2
ZNF704. 8	2. 51E-05	0. 267239	0. 181	0. 121	0. 374976	Oligo	ZNF704
LINC01003	2. 51E-05	-0. 12708	0. 106	0. 195	0. 37548	Oligo	LINC01003

NFIL3. 8	2. 52E-05	-0. 22299	0. 028	0. 085	0. 376179	Oligo	NFIL3
MAP3K7. 5	2. 52E-05	0. 418696	0. 261	0. 203	0. 376405	Oligo	MAP3K7
LBR. 5	2. 52E-05	-0. 15659	0. 141	0. 236	0. 376468	Oligo	LBR
HIST1H4J	2. 53E-05	-0. 16805	0. 007	0. 053	0. 37747	Oligo	HIST1H4J
B3GALT6. 5	2. 55E-05	-0. 11926	0. 066	0. 141	0. 380591	Oligo	B3GALT6
ACSBG1. 6	2. 58E-05	-0. 14293	0. 021	0. 076	0. 385721	Oligo	ACSBG1
CLK4. 5	2. 58E-05	-0. 16389	0. 085	0. 165	0. 385809	Oligo	CLK4
TSC22D3. 7	2. 60E-05	-0. 18002	0. 355	0. 46	0. 389024	Oligo	TSC22D3
PLA2G7. 7	2. 60E-05	-0. 19252	0. 007	0. 053	0. 389149	Oligo	PLA2G7
AGPAT1. 3	2. 62E-05	0. 358151	0. 287	0. 225	0. 391424	Oligo	AGPAT1
MEX3B. 7	2. 65E-05	-0. 15094	0. 014	0. 064	0. 396008	Oligo	MEX3B
KIAA0895L	2. 65E-05	-0. 11093	0. 033	0. 094	0. 396386	Oligo	KIAA0895L
TBK1. 3	2. 68E-05	-0. 16258	0. 075	0. 153	0. 40097	Oligo	TBK1
DAPK1. 5	2. 69E-05	-0. 15068	0. 012	0. 061	0. 401517	Oligo	DAPK1
IL6ST. 8	2. 71E-05	0. 24623	0. 311	0. 252	0. 405626	Oligo	IL6ST
RUNX3. 7	2. 72E-05	-0. 18158	0	0. 04	0. 40608	Oligo	RUNX3
XRCC6BP1. 2	2. 72E-05	-0. 19905	0. 026	0. 082	0. 406846	Oligo	XRCC6BP1
DPYSL4. 9	2. 73E-05	-0. 10714	0. 078	0. 157	0. 407825	Oligo	DPYSL4
ZNF883. 8	2. 73E-05	-0. 10374	0. 068	0. 143	0. 408612	Oligo	ZNF883
DNAJC17. 3	2. 74E-05	-0. 18733	0. 031	0. 089	0. 409287	Oligo	DNAJC17
RTP4. 2	2. 74E-05	0. 140748	0. 068	0. 032	0. 409828	Oligo	RTP4
EFNA2. 7	2. 76E-05	-0. 10299	0. 007	0. 053	0. 411931	Oligo	EFNA2
THBS3	2. 76E-05	-0. 11173	0. 012	0. 061	0. 412126	Oligo	THBS3
ITGA4. 8	2. 76E-05	-0. 1737	0. 002	0. 044	0. 412232	Oligo	ITGA4
THOC1. 3	2. 78E-05	-0. 15507	0. 073	0. 149	0. 415678	Oligo	THOC1
SLFN11. 6	2. 78E-05	-0. 16125	0. 002	0. 044	0. 416129	Oligo	SLFN11
VARS. 2	2. 78E-05	-0. 14486	0. 082	0. 161	0. 416142	Oligo	VARS
FNDC3A. 4	2. 80E-05	-0. 13761	0. 125	0. 218	0. 418163	Oligo	FNDC3A
TRIT1. 3	2. 80E-05	-0. 18013	0. 031	0. 09	0. 418304	Oligo	TRIT1
BCAR1. 7	2. 82E-05	0. 389342	0. 228	0. 17	0. 421096	Oligo	BCAR1
RNF139. 6	2. 82E-05	-0. 11337	0. 158	0. 259	0. 421908	Oligo	RNF139
GIMAP6. 7	2. 83E-05	-0. 19176	0. 002	0. 044	0. 422586	Oligo	GIMAP6
BATF. 6	2. 84E-05	-0. 17445	0	0. 04	0. 423774	Oligo	BATF
SIPA1L1. 2	2. 84E-05	-0. 12657	0. 085	0. 167	0. 424039	Oligo	SIPA1L1
GPRIN3. 9	2. 84E-05	-0. 1891	0. 012	0. 06	0. 424534	Oligo	GPRIN3
QSOX1. 7	2. 86E-05	-0. 17093	0. 144	0. 24	0. 428066	Oligo	QSOX1
GORASP2. 5	2. 87E-05	-0. 12084	0. 186	0. 297	0. 428662	Oligo	GORASP2
FAM217B. 8	2. 87E-05	0. 282434	0. 214	0. 153	0. 429521	Oligo	FAM217B
ARHGAP27. 2	2. 87E-05	-0. 16783	0. 009	0. 057	0. 429617	Oligo	ARHGAP27
KIFC1. 7	2. 88E-05	-0. 15676	0. 012	0. 061	0. 430127	Oligo	KIFC1
RCHY1. 5	2. 91E-05	-0. 10893	0. 115	0. 203	0. 435261	Oligo	RCHY1
DICER1-AS	2. 92E-05	0. 292841	0. 096	0. 052	0. 436662	Oligo	DICER1-AS1
GFER. 4	2. 94E-05	-0. 10807	0. 12	0. 212	0. 439186	Oligo	GFER
PON2. 9	2. 94E-05	0. 189238	0. 534	0. 447	0. 439222	Oligo	PON2
ZNF430. 5	2. 96E-05	-0. 18151	0. 106	0. 192	0. 441625	Oligo	ZNF430
CTU2. 4	2. 96E-05	-0. 11021	0. 061	0. 135	0. 441813	Oligo	CTU2
SORBS2. 7	2. 96E-05	-0. 163	0. 007	0. 052	0. 442161	Oligo	SORBS2
NUS1. 2	2. 96E-05	-0. 11571	0. 075	0. 154	0. 443072	Oligo	NUS1
DSCR3. 3	2. 97E-05	-0. 16539	0. 087	0. 167	0. 444445	Oligo	DSCR3
CCDC88C. 1	2. 98E-05	-0. 1263	0. 002	0. 044	0. 445406	Oligo	CCDC88C
KITLG. 3	2. 98E-05	-0. 10373	0. 002	0. 044	0. 446062	Oligo	KITLG



TMEM86A.7	2.99E-05	-0.18032	0.005	0.048	0.447541	Oligo	TMEM86A
ETV3.8	3.00E-05	-0.19237	0.024	0.078	0.448139	Oligo	ETV3
LYVE1.7	3.02E-05	-0.30466	0	0.039	0.451765	Oligo	LYVE1
KLHDC3.6	3.05E-05	-0.11266	0.242	0.367	0.455121	Oligo	KLHDC3
PODXL.5	3.05E-05	-0.10371	0.019	0.072	0.456426	Oligo	PODXL
RUNDC3A.9	3.08E-05	0.205396	0.155	0.095	0.460261	Oligo	RUNDC3A
TSPAN33.7	3.09E-05	-0.14955	0.002	0.044	0.4611	Oligo	TSPAN33
SRGAP1.7	3.10E-05	-0.20267	0.139	0.228	0.462987	Oligo	SRGAP1
RP5-864K1	3.12E-05	0.219875	0.047	0.019	0.465617	Oligo	RP5-864K19.4
CTD-2020K	3.12E-05	0.321597	0.054	0.023	0.466503	Oligo	CTD-2020K17.1
ZNF350.1	3.13E-05	-0.11525	0.035	0.097	0.467372	Oligo	ZNF350
SFMBT1.1	3.13E-05	-0.15781	0.019	0.071	0.468378	Oligo	SFMBT1
PAK7.8	3.14E-05	-0.14438	0.005	0.048	0.468507	Oligo	PAK7
PLB1.8	3.14E-05	-0.17352	0.002	0.044	0.468833	Oligo	PLB1
SARNP.2	3.14E-05	-0.19935	0.056	0.125	0.468927	Oligo	SARNP
ZNF273.7	3.15E-05	-0.11522	0.028	0.086	0.47066	Oligo	ZNF273
CD72.6	3.15E-05	-0.18364	0.007	0.052	0.470875	Oligo	CD72
RP11-793H	3.15E-05	0.132106	0.016	0.004	0.470947	Oligo	RP11-793H13.10
CXCL12.4	3.16E-05	-0.22063	0.002	0.044	0.471943	Oligo	CXCL12
AR.5	3.16E-05	-0.11157	0.005	0.048	0.472526	Oligo	AR
PAG1.4	3.17E-05	-0.17445	0.092	0.172	0.474454	Oligo	PAG1
SNHG12.6	3.21E-05	-0.22903	0.066	0.137	0.480017	Oligo	SNHG12
TICAM1.1	3.22E-05	-0.14349	0.033	0.093	0.481265	Oligo	TICAM1
INA.6	3.23E-05	-0.14098	0.002	0.044	0.483154	Oligo	INA
RRS1.3	3.25E-05	-0.14905	0.071	0.145	0.485379	Oligo	RRS1
RAD51AP1.	3.27E-05	-0.10961	0.016	0.068	0.489205	Oligo	RAD51AP1
ZNF496.1	3.28E-05	-0.10003	0.012	0.06	0.489802	Oligo	ZNF496
TROAP.8	3.28E-05	-0.13334	0.005	0.048	0.490291	Oligo	TROAP
MIR181A1H	3.28E-05	0.239007	0.172	0.11	0.490892	Oligo	MIR181A1HG
DGAT1.2	3.30E-05	-0.10297	0.031	0.09	0.493356	Oligo	DGAT1
BCAP29.3	3.31E-05	-0.10365	0.209	0.321	0.494672	Oligo	BCAP29
KCNAB1	3.33E-05	0.144359	0.026	0.008	0.498144	Oligo	KCNAB1
VWA3B.4	3.36E-05	-0.10449	0	0.039	0.502574	Oligo	VWA3B
PDIA5.3	3.36E-05	-0.12097	0.019	0.072	0.502837	Oligo	PDIA5
CNTLN.1	3.37E-05	-0.14519	0.042	0.106	0.503821	Oligo	CNTLN
CPLX1.6	3.38E-05	-0.15109	0.002	0.043	0.505429	Oligo	CPLX1
H1FO.1	3.39E-05	-0.13697	0.172	0.267	0.506743	Oligo	H1FO
AC096772.	3.41E-05	0.103099	0.049	0.02	0.508869	Oligo	AC096772.6
MED26.1	3.41E-05	-0.1369	0.021	0.075	0.510006	Oligo	MED26
WDR76.2	3.43E-05	-0.11489	0.009	0.056	0.512162	Oligo	WDR76
ULK3.4	3.44E-05	-0.12476	0.073	0.149	0.514321	Oligo	ULK3
MAP3K13.6	3.45E-05	-0.11004	0.28	0.398	0.515237	Oligo	MAP3K13
SLC25A14.	3.45E-05	-0.11029	0.033	0.092	0.515322	Oligo	SLC25A14
KCNAB2.7	3.50E-05	-0.17666	0.024	0.078	0.523665	Oligo	KCNAB2
SREK1IP1.	3.51E-05	-0.10818	0.226	0.342	0.524359	Oligo	SREK1IP1
SLC50A1.7	3.55E-05	-0.13351	0.089	0.17	0.530928	Oligo	SLC50A1
INTS1.1	3.56E-05	0.227959	0.139	0.085	0.532207	Oligo	INTS1
RBBP7.7	3.58E-05	-0.12453	0.299	0.429	0.534623	Oligo	RBBP7
VTI1B.5	3.59E-05	-0.12739	0.235	0.351	0.535877	Oligo	VTI1B
PRKX.4	3.59E-05	-0.17817	0.049	0.114	0.536777	Oligo	PRKX
APPL2	3.61E-05	-0.14812	0.101	0.184	0.540039	Oligo	APPL2

VAV2.1	3.62E-05	-0.10128	0.007	0.052	0.540295	Oligo	VAV2
CFDP1.6	3.62E-05	-0.14291	0.299	0.42	0.541456	Oligo	CFDP1
MFAP4.6	3.63E-05	-0.16255	0.009	0.056	0.542035	Oligo	MFAP4
NR2C1.3	3.64E-05	-0.14375	0.038	0.099	0.543707	Oligo	NR2C1
SLC32A1.7	3.66E-05	-0.1554	0	0.039	0.547292	Oligo	SLC32A1
ZSWIM8.3	3.68E-05	0.227635	0.127	0.076	0.549767	Oligo	ZSWIM8
AC091729.3	3.68E-05	-0.10634	0.026	0.082	0.549986	Oligo	AC091729.9
ASAP1.5	3.69E-05	-0.15385	0.136	0.231	0.551771	Oligo	ASAP1
ZNF708.6	3.71E-05	0.253775	0.151	0.096	0.554879	Oligo	ZNF708
GABPB2.1	3.72E-05	0.219299	0.106	0.059	0.555824	Oligo	GABPB2
NRIP1.3	3.72E-05	-0.13997	0.056	0.125	0.555925	Oligo	NRIP1
WWOX.3	3.73E-05	0.264796	0.153	0.097	0.557599	Oligo	WWOX
ASCL2.8	3.74E-05	-0.15471	0	0.039	0.559078	Oligo	ASCL2
SETD6.5	3.74E-05	-0.12831	0.033	0.093	0.559361	Oligo	SETD6
FAM219A.5	3.80E-05	0.273969	0.141	0.089	0.567155	Oligo	FAM219A
EPHX1.4	3.82E-05	0.404735	0.292	0.23	0.570182	Oligo	EPHX1
SET.5	3.83E-05	-0.14241	0.464	0.564	0.573088	Oligo	SET
MAST1.2	3.86E-05	-0.13339	0.005	0.047	0.576554	Oligo	MAST1
METTL13.3	3.86E-05	-0.13769	0.056	0.125	0.576744	Oligo	METTL13
EXTL2.7	3.87E-05	-0.13961	0.089	0.17	0.577987	Oligo	EXTL2
KCNQ3.4	3.88E-05	-0.17249	0.002	0.043	0.58016	Oligo	KCNQ3
GPR146.1	3.88E-05	0.121699	0.049	0.02	0.580438	Oligo	GPR146
ZNF276.2	3.90E-05	0.324902	0.141	0.088	0.583353	Oligo	ZNF276
IL15.7	3.90E-05	-0.16425	0	0.038	0.583414	Oligo	IL15
OSCP1.4	3.90E-05	-0.10235	0.016	0.068	0.583531	Oligo	OSCP1
POLR3D.7	3.91E-05	-0.15822	0.059	0.128	0.583729	Oligo	POLR3D
KIAA0040.3	3.92E-05	-0.16559	0.005	0.047	0.586223	Oligo	KIAA0040
PRMT5.7	3.93E-05	-0.12492	0.078	0.154	0.587184	Oligo	PRMT5
MYNN.3	3.93E-05	-0.16519	0.042	0.105	0.587788	Oligo	MYNN
EED.2	3.95E-05	-0.12904	0.038	0.099	0.589867	Oligo	EED
Clorf50.4	3.95E-05	-0.12465	0.099	0.183	0.590656	Oligo	Clorf50
HS3ST3B1.3	3.97E-05	-0.14316	0.002	0.043	0.593046	Oligo	HS3ST3B1
TBC1D9.7	3.98E-05	-0.14224	0.009	0.055	0.595489	Oligo	TBC1D9
FGGY.2	3.99E-05	-0.12593	0.031	0.089	0.596133	Oligo	FGGY
FAM118A.6	3.99E-05	-0.18542	0.066	0.135	0.596615	Oligo	FAM118A
MICALL2.4	4.00E-05	-0.10962	0.019	0.071	0.597387	Oligo	MICALL2
STK38.2	4.01E-05	-0.11122	0.021	0.074	0.599901	Oligo	STK38
POLM.1	4.02E-05	-0.12464	0.038	0.098	0.600072	Oligo	POLM
HARS2.1	4.04E-05	-0.13528	0.028	0.085	0.603193	Oligo	HARS2
CKAP2L.8	4.05E-05	-0.13295	0.005	0.047	0.605614	Oligo	CKAP2L
SPTSSB.5	4.07E-05	-0.14187	0	0.038	0.608808	Oligo	SPTSSB
RFX1.3	4.10E-05	-0.111	0.033	0.092	0.611965	Oligo	RFX1
CDCA5.7	4.15E-05	-0.1223	0.005	0.047	0.619818	Oligo	CDCA5
GAL.5	4.16E-05	-0.16251	0	0.038	0.621914	Oligo	GAL
MARCH9.8	4.16E-05	-0.11182	0.08	0.157	0.62219	Oligo	9-Mar
BMP2K.7	4.17E-05	-0.21988	0.054	0.119	0.623216	Oligo	BMP2K
ADNP2.2	4.18E-05	0.22197	0.125	0.075	0.625048	Oligo	ADNP2
SH3YL1.6	4.18E-05	0.428393	0.24	0.179	0.625266	Oligo	SH3YL1
NME6.2	4.20E-05	-0.14193	0.047	0.111	0.627347	Oligo	NME6
TRIM32.4	4.20E-05	-0.10309	0.012	0.059	0.627774	Oligo	TRIM32
ZNF18	4.21E-05	-0.10553	0.009	0.055	0.628997	Oligo	ZNF18

FAM159A.8	4.22E-05	-0.18486	0.005	0.047	0.630935	Oligo	FAM159A
METAP1D.7	4.22E-05	-0.16829	0.059	0.127	0.631105	Oligo	METAP1D
CISD1.7	4.24E-05	-0.17224	0.235	0.34	0.633583	Oligo	CISD1
CCNF.3	4.25E-05	-0.10443	0	0.038	0.635303	Oligo	CCNF
CD180.8	4.25E-05	-0.1547	0	0.038	0.635303	Oligo	CD180
HUS1.2	4.26E-05	-0.13807	0.054	0.12	0.636247	Oligo	HUS1
NPHP1.4	4.28E-05	-0.10947	0.019	0.071	0.639283	Oligo	NPHP1
ATP5D.8	4.30E-05	-0.16753	0.532	0.617	0.641871	Oligo	ATP5D
SLC25A24.4	4.30E-05	-0.15564	0.04	0.101	0.642078	Oligo	SLC25A24
CRYZ.8	4.30E-05	-0.10065	0.056	0.126	0.643214	Oligo	CRYZ
CHEK1.4	4.32E-05	-0.10046	0.026	0.082	0.64559	Oligo	CHEK1
NAIP.9	4.34E-05	-0.15527	0.047	0.111	0.649252	Oligo	NAIP
SH2D4A.1	4.44E-05	-0.11005	0	0.038	0.662948	Oligo	SH2D4A
ALPK1.4	4.44E-05	-0.14505	0	0.038	0.662948	Oligo	ALPK1
HINT2.4	4.46E-05	-0.17437	0.235	0.35	0.666135	Oligo	HINT2
LOX.6	4.46E-05	-0.21313	0.005	0.046	0.666453	Oligo	LOX
KRBOX4.4	4.47E-05	-0.16119	0.052	0.118	0.667275	Oligo	KRBOX4
GAS8.4	4.54E-05	-0.11433	0.019	0.07	0.677992	Oligo	GAS8
CACNA2D1.4	4.56E-05	0.191402	0.064	0.029	0.681393	Oligo	CACNA2D1
ANKRD13B.4	4.56E-05	0.229493	0.089	0.048	0.681789	Oligo	ANKRD13B
CENPA.8	4.57E-05	-0.14996	0.007	0.051	0.682753	Oligo	CENPA
CSK.9	4.58E-05	-0.21365	0.078	0.15	0.683953	Oligo	CSK
AURKB.8	4.58E-05	-0.17415	0.007	0.05	0.684478	Oligo	AURKB
FGD4.8	4.58E-05	-0.23126	0.078	0.149	0.684518	Oligo	FGD4
SIX1.7	4.59E-05	-0.11859	0.012	0.059	0.686314	Oligo	SIX1
FBXO27.4	4.60E-05	0.128053	0.049	0.021	0.687177	Oligo	FBXO27
BDNF-AS.7	4.62E-05	0.352177	0.108	0.062	0.690387	Oligo	BDNF-AS
RP11-76E1.4	4.63E-05	-0.21238	0	0.038	0.691793	Oligo	RP11-76E17.3
ATN1.7	4.65E-05	0.356301	0.238	0.181	0.695369	Oligo	ATN1
AP2B1.8	4.67E-05	0.247592	0.384	0.339	0.698185	Oligo	AP2B1
PDK3.5	4.68E-05	-0.14571	0.014	0.062	0.699701	Oligo	PDK3
DENND2D.5	4.73E-05	-0.17527	0.005	0.046	0.707072	Oligo	DENND2D
PTOV1.8	4.75E-05	0.306955	0.485	0.437	0.71028	Oligo	PTOV1
CCNA2.8	4.76E-05	-0.16428	0.012	0.058	0.711817	Oligo	CCNA2
LRRCC1.6	4.77E-05	-0.11224	0.066	0.138	0.713459	Oligo	LRRCC1
TMEM39A.4	4.79E-05	-0.18154	0.035	0.093	0.71594	Oligo	TMEM39A
SLC35A1.3	4.82E-05	-0.16329	0.068	0.139	0.720344	Oligo	SLC35A1
PLD2.5	4.85E-05	-0.11799	0.031	0.088	0.724178	Oligo	PLD2
RP11-448A.4	4.87E-05	-0.12263	0.035	0.094	0.728064	Oligo	RP11-448A19.1
SEC22C.5	4.89E-05	0.31688	0.285	0.225	0.730758	Oligo	SEC22C
CDADC1.4	4.94E-05	-0.14385	0.045	0.109	0.738351	Oligo	CDADC1
ZUFSP.2	4.94E-05	-0.11736	0.031	0.087	0.738728	Oligo	ZUFSP
RP11-48B3.4	4.94E-05	0.126045	0.026	0.008	0.738831	Oligo	RP11-48B3.3
NOS1AP.8	4.98E-05	-0.10404	0.026	0.081	0.743493	Oligo	NOS1AP
QPRT.5	5.00E-05	-0.17065	0.052	0.117	0.74715	Oligo	QPRT
LRP10.5	5.03E-05	-0.10944	0.158	0.255	0.751815	Oligo	LRP10
DDR2.7	5.08E-05	-0.11506	0.012	0.059	0.759538	Oligo	DDR2
SOGA1.8	5.10E-05	0.361111	0.209	0.153	0.762112	Oligo	SOGA1
SLC25A28.5	5.11E-05	0.266555	0.094	0.051	0.76308	Oligo	SLC25A28
CTD-2199C.5	5.11E-05	0.156159	0.019	0.005	0.763563	Oligo	CTD-219904.1
DMXL2.6	5.12E-05	-0.15631	0.028	0.083	0.76586	Oligo	DMXL2

YWHAQ. 8	5. 17E-05	0. 1508	0. 678	0. 642	0. 77202	Oligo	YWHAQ
HSPA13. 8	5. 18E-05	-0. 17085	0. 12	0. 203	0. 774079	Oligo	HSPA13
RHOBTB3. 9	5. 19E-05	-0. 1564	0. 296	0. 413	0. 776043	Oligo	RHOBTB3
HSPB6. 7	5. 20E-05	-0. 14105	0. 014	0. 062	0. 776641	Oligo	HSPB6
ADNP. 8	5. 23E-05	-0. 10843	0. 108	0. 196	0. 781566	Oligo	ADNP
IL10RB-AS	5. 23E-05	-0. 17439	0. 005	0. 046	0. 781957	Oligo	IL10RB-AS1
PGBD1. 5	5. 24E-05	-0. 10957	0. 021	0. 073	0. 782875	Oligo	PGBD1
ATG4A	5. 24E-05	-0. 15134	0. 019	0. 069	0. 78318	Oligo	ATG4A
MCM4. 7	5. 26E-05	-0. 1157	0. 038	0. 098	0. 78569	Oligo	MCM4
JDP2. 9	5. 26E-05	-0. 21097	0. 021	0. 072	0. 786662	Oligo	JDP2
HAS2. 6	5. 28E-05	-0. 14248	0. 009	0. 054	0. 788654	Oligo	HAS2
ERMAP. 3	5. 30E-05	-0. 12393	0. 005	0. 046	0. 792232	Oligo	ERMAP
RP11-294J	5. 37E-05	0. 248197	0. 191	0. 132	0. 801931	Oligo	RP11-294J22. 6
PELI1. 6	5. 37E-05	-0. 24802	0. 132	0. 212	0. 80277	Oligo	PELI1
TIMM10B. 3	5. 37E-05	-0. 12958	0. 096	0. 178	0. 802941	Oligo	TIMM10B
KCND2. 3	5. 37E-05	-0. 11183	0	0. 037	0. 802968	Oligo	KCND2
PHKG2. 5	5. 38E-05	-0. 20778	0. 082	0. 157	0. 803711	Oligo	PHKG2
PTGIR	5. 38E-05	0. 185692	0. 026	0. 008	0. 804122	Oligo	PTGIR
U2AF1L4. 4	5. 38E-05	-0. 12717	0. 115	0. 199	0. 80424	Oligo	U2AF1L4
VPS37D. 7	5. 38E-05	-0. 11699	0. 014	0. 062	0. 804395	Oligo	VPS37D
IQCB1. 2	5. 43E-05	-0. 14498	0. 056	0. 124	0. 811654	Oligo	IQCB1
HSP90AA1. 1	5. 43E-05	0. 114409	0. 833	0. 89	0. 812163	Oligo	HSP90AA1
GNPAT. 5	5. 47E-05	-0. 14457	0. 148	0. 243	0. 817876	Oligo	GNPAT
TMCO4. 2	5. 49E-05	-0. 12147	0	0. 037	0. 820242	Oligo	TMCO4
SMIM3. 6	5. 49E-05	-0. 41843	0	0. 037	0. 820242	Oligo	SMIM3
YPEL4. 3	5. 52E-05	0. 142278	0. 078	0. 039	0. 825385	Oligo	YPEL4
CHST2. 6	5. 53E-05	-0. 13963	0. 068	0. 138	0. 825803	Oligo	CHST2
UNC80. 3	5. 54E-05	-0. 1008	0. 002	0. 041	0. 827409	Oligo	UNC80
KDM5A. 3	5. 59E-05	-0. 1431	0. 153	0. 251	0. 835302	Oligo	KDM5A
RASAL2. 2	5. 60E-05	-0. 1111	0. 026	0. 08	0. 836778	Oligo	RASAL2
STAG1. 1	5. 64E-05	-0. 12928	0. 061	0. 13	0. 842391	Oligo	STAG1
SPAG5. 5	5. 71E-05	-0. 1171	0. 005	0. 046	0. 852589	Oligo	SPAG5
CDC45. 3	5. 73E-05	-0. 10403	0	0. 037	0. 855912	Oligo	CDC45
RAP1A. 9	5. 79E-05	0. 20996	0. 555	0. 514	0. 865246	Oligo	RAP1A
MARVELD1. 1	5. 80E-05	-0. 11279	0. 002	0. 041	0. 867071	Oligo	MARVELD1
GBP4. 4	5. 81E-05	-0. 17223	0. 019	0. 069	0. 86783	Oligo	GBP4
BEST3. 7	5. 82E-05	-0. 21023	0. 033	0. 089	0. 869701	Oligo	BEST3
ARX. 8	5. 86E-05	-0. 1377	0. 002	0. 041	0. 875509	Oligo	ARX
AAGAB. 2	5. 88E-05	-0. 12965	0. 052	0. 117	0. 879434	Oligo	AAGAB
MDFIC. 3	5. 94E-05	-0. 10342	0. 005	0. 045	0. 887858	Oligo	MDFIC
SGMS1. 2	5. 97E-05	0. 19706	0. 104	0. 059	0. 892798	Oligo	SGMS1
NRARP. 4	5. 98E-05	-0. 13386	0	0. 037	0. 893128	Oligo	NRARP
FBLN5. 4	6. 01E-05	-0. 17608	0. 002	0. 041	0. 898339	Oligo	FBLN5
UTP15. 1	6. 03E-05	-0. 11155	0. 014	0. 061	0. 901117	Oligo	UTP15
TLR7. 6	6. 03E-05	-0. 22126	0. 012	0. 057	0. 901325	Oligo	TLR7
CCDC136. 7	6. 08E-05	-0. 13057	0. 035	0. 093	0. 908413	Oligo	CCDC136
PRKCH. 6	6. 08E-05	-0. 18981	0. 005	0. 045	0. 908942	Oligo	PRKCH
NAA35. 4	6. 10E-05	-0. 10811	0. 068	0. 139	0. 911111	Oligo	NAA35
DLGAP5. 8	6. 11E-05	-0. 11531	0	0. 037	0. 912338	Oligo	DLGAP5
RAB27A. 6	6. 11E-05	-0. 14409	0. 026	0. 08	0. 913707	Oligo	RAB27A
LPCAT3. 2	6. 18E-05	-0. 1515	0. 078	0. 151	0. 923113	Oligo	LPCAT3

AGT. 7	6. 18E-05	-0. 31259	0. 144	0. 223	0. 923603	Oligo	AGT
TMEM179B.	6. 20E-05	-0. 13125	0. 296	0. 418	0. 92611	Oligo	TMEM179B
CA8. 8	6. 22E-05	-0. 19727	0. 012	0. 057	0. 929384	Oligo	CA8
MXRA8. 3	6. 24E-05	-0. 11225	0	0. 036	0. 931959	Oligo	MXRA8
RAB4A. 4	6. 25E-05	-0. 18056	0. 238	0. 345	0. 934326	Oligo	RAB4A
ACAP3. 9	6. 27E-05	0. 303781	0. 275	0. 214	0. 937409	Oligo	ACAP3
PQLC1. 5	6. 32E-05	-0. 13728	0. 066	0. 137	0. 944498	Oligo	PQLC1
POFUT2. 2	6. 35E-05	-0. 12372	0. 033	0. 09	0. 948848	Oligo	POFUT2
FBX034. 3	6. 45E-05	-0. 14035	0. 035	0. 093	0. 963655	Oligo	FBX034
F8	6. 46E-05	-0. 12198	0. 009	0. 053	0. 964951	Oligo	F8
HSPB8. 5	6. 46E-05	-0. 14505	0. 002	0. 041	0. 966115	Oligo	HSPB8
FEM1C. 4	6. 48E-05	-0. 12303	0. 071	0. 142	0. 968414	Oligo	FEM1C
KPNA3. 4	6. 48E-05	-0. 11629	0. 16	0. 259	0. 968535	Oligo	KPNA3
PPP1CB. 6	6. 49E-05	-0. 22601	0. 407	0. 51	0. 969866	Oligo	PPP1CB
CHCHD4. 2	6. 59E-05	-0. 11928	0. 052	0. 116	0. 984934	Oligo	CHCHD4
ZNF263. 3	6. 64E-05	-0. 11642	0. 061	0. 13	0. 991916	Oligo	ZNF263
POLD3. 2	6. 66E-05	-0. 14995	0. 04	0. 098	0. 994737	Oligo	POLD3
PDE3B. 3	6. 66E-05	-0. 14797	0. 002	0. 041	0. 995227	Oligo	PDE3B
SUGP1. 4	6. 67E-05	-0. 1216	0. 068	0. 138	0. 99751	Oligo	SUGP1
PTEN. 8	6. 73E-05	-0. 1463	0. 064	0. 132	1	Oligo	PTEN
B3GNT2. 7	6. 76E-05	-0. 12344	0. 019	0. 068	1	Oligo	B3GNT2
PTPRU. 1	6. 79E-05	0. 10588	0. 033	0. 011	1	Oligo	PTPRU
PDHX. 6	6. 81E-05	-0. 10061	0. 094	0. 174	1	Oligo	PDHX
KIF2C. 7	6. 83E-05	-0. 12801	0. 005	0. 045	1	Oligo	KIF2C
PIK3R5. 8	6. 84E-05	-0. 17853	0. 007	0. 049	1	Oligo	PIK3R5
RBM28. 5	6. 86E-05	-0. 12004	0. 087	0. 166	1	Oligo	RBM28
ATP8B4. 7	6. 87E-05	-0. 18102	0. 005	0. 045	1	Oligo	ATP8B4
WDR86. 4	6. 88E-05	-0. 10828	0. 005	0. 045	1	Oligo	WDR86
INTS8. 2	6. 97E-05	-0. 12665	0. 035	0. 093	1	Oligo	INTS8
TNF. 6	6. 99E-05	-0. 21844	0. 005	0. 044	1	Oligo	TNF
FBXW5. 6	7. 03E-05	-0. 14529	0. 188	0. 292	1	Oligo	FBXW5
KIAA1715.	7. 06E-05	-0. 14044	0. 162	0. 259	1	Oligo	KIAA1715
POGK. 4	7. 08E-05	0. 234735	0. 184	0. 127	1	Oligo	POGK
CEP95. 5	7. 08E-05	-0. 10599	0. 059	0. 126	1	Oligo	CEP95
RRP8. 3	7. 12E-05	-0. 13872	0. 061	0. 13	1	Oligo	RRP8
ZNF714. 4	7. 14E-05	-0. 15437	0. 045	0. 105	1	Oligo	ZNF714
G3BP1. 4	7. 16E-05	-0. 10688	0. 209	0. 318	1	Oligo	G3BP1
FOLR1. 5	7. 24E-05	-0. 2	0	0. 036	1	Oligo	FOLR1
IL2RG. 5	7. 24E-05	-0. 23334	0. 005	0. 044	1	Oligo	IL2RG
BMP7. 9	7. 27E-05	0. 307576	0. 221	0. 164	1	Oligo	BMP7
HNRNPH1. 4	7. 32E-05	-0. 17731	0. 348	0. 461	1	Oligo	HNRNPH1
C15orf61.	7. 33E-05	-0. 11106	0. 096	0. 176	1	Oligo	C15orf61
DCLRE1C. 4	7. 34E-05	-0. 10203	0. 064	0. 133	1	Oligo	DCLRE1C
SNX27. 3	7. 34E-05	0. 37048	0. 294	0. 242	1	Oligo	SNX27
KCNQ1. 8	7. 37E-05	-0. 16862	0. 002	0. 04	1	Oligo	KCNQ1
BBS5	7. 42E-05	0. 16614	0. 059	0. 027	1	Oligo	BBS5
ARL11. 8	7. 48E-05	-0. 15219	0. 002	0. 04	1	Oligo	ARL11
FOXO1. 5	7. 48E-05	0. 192148	0. 12	0. 072	1	Oligo	FOXO1
RIOK2. 2	7. 49E-05	-0. 18758	0. 059	0. 124	1	Oligo	RIOK2
GPR153. 2	7. 53E-05	-0. 10056	0. 002	0. 04	1	Oligo	GPR153
TRIQQ. 2	7. 54E-05	0. 153167	0. 104	0. 058	1	Oligo	TRIQQ

HTRA1.9	7.66E-05	0.246481	0.518	0.458	1 Oligo	HTRA1
DNAJC16	7.68E-05	0.283264	0.118	0.071	1 Oligo	DNAJC16
PCYOX1L.2	7.68E-05	-0.11824	0.019	0.068	1 Oligo	PCYOX1L
DDX20.2	7.71E-05	-0.1098	0.024	0.075	1 Oligo	DDX20
ACSL5.8	7.71E-05	-0.14732	0	0.036	1 Oligo	ACSL5
ZGLP1.2	7.78E-05	-0.14097	0.007	0.048	1 Oligo	ZGLP1
CNKSR3.8	7.83E-05	0.33863	0.167	0.116	1 Oligo	CNKSR3
ZSWIM4.2	7.85E-05	-0.13928	0.009	0.053	1 Oligo	ZSWIM4
C2CD2	7.87E-05	0.121661	0.08	0.042	1 Oligo	C2CD2
IRS2.5	7.88E-05	-0.19461	0.249	0.352	1 Oligo	IRS2
CRKL.2	7.89E-05	0.289922	0.174	0.12	1 Oligo	CRKL
ASPM.9	7.90E-05	-0.1512	0.007	0.048	1 Oligo	ASPM
APOL4.5	7.91E-05	-0.14503	0.005	0.044	1 Oligo	APOL4
GATSL3.1	7.97E-05	-0.13486	0.007	0.048	1 Oligo	GATSL3
DAZAP2.7	8.02E-05	0.182812	0.56	0.535	1 Oligo	DAZAP2
ST8SIA5.6	8.06E-05	-0.1179	0.005	0.044	1 Oligo	ST8SIA5
PRR5.8	8.09E-05	-0.1319	0.007	0.048	1 Oligo	PRR5
ARHGAP11A	8.23E-05	-0.10584	0.002	0.04	1 Oligo	ARHGAP11A
PRKAR2B.7	8.25E-05	-0.14411	0.021	0.07	1 Oligo	PRKAR2B
HAGHL.1	8.26E-05	0.208878	0.155	0.103	1 Oligo	HAGHL
CDK20.6	8.29E-05	-0.12225	0.014	0.06	1 Oligo	CDK20
RP11-157E	8.31E-05	0.107263	0.012	0.002	1 Oligo	RP11-157B13.7
MAP3K7CL.8	8.39E-05	-0.13487	0.005	0.044	1 Oligo	MAP3K7CL
WIPF1.9	8.43E-05	0.200434	0.285	0.217	1 Oligo	WIPF1
MITD1.3	8.43E-05	-0.1184	0.148	0.237	1 Oligo	MITD1
ARL8B.3	8.48E-05	0.253791	0.264	0.204	1 Oligo	ARL8B
SAG	8.53E-05	0.118469	0.019	0.005	1 Oligo	SAG
MIS12.6	8.65E-05	-0.10007	0.073	0.144	1 Oligo	MIS12
SCN3B.7	8.66E-05	-0.14683	0.024	0.074	1 Oligo	SCN3B
SLC30A7.2	8.67E-05	-0.10148	0.087	0.164	1 Oligo	SLC30A7
PTPRS.9	8.75E-05	0.239927	0.32	0.256	1 Oligo	PTPRS
PWWP2B.3	8.76E-05	-0.11033	0	0.035	1 Oligo	PWWP2B
SRC.1	8.84E-05	-0.11484	0.005	0.044	1 Oligo	SRC
RC3H2.2	8.85E-05	0.206183	0.146	0.094	1 Oligo	RC3H2
APIP.6	8.94E-05	0.391723	0.289	0.231	1 Oligo	APIP
CTSK.5	8.95E-05	-0.14341	0.009	0.052	1 Oligo	CTSK
DENND1C.7	8.95E-05	-0.16482	0	0.035	1 Oligo	DENND1C
USP42.7	8.97E-05	-0.12072	0.059	0.125	1 Oligo	USP42
A1BG-AS1	8.97E-05	-0.11237	0.009	0.052	1 Oligo	A1BG-AS1
CDCP1.6	9.15E-05	-0.14744	0	0.035	1 Oligo	CDCP1
LRRC24.7	9.15E-05	-0.11427	0.021	0.07	1 Oligo	LRRC24
GNA13.8	9.15E-05	-0.22096	0.108	0.183	1 Oligo	GNA13
NUDT10.6	9.15E-05	-0.13173	0.009	0.052	1 Oligo	NUDT10
INSIG2.2	9.16E-05	-0.12378	0.122	0.206	1 Oligo	INSIG2
MBOAT2.8	9.17E-05	0.270337	0.238	0.179	1 Oligo	MBOAT2
HMGCS1.6	9.20E-05	-0.11231	0.106	0.186	1 Oligo	HMGCS1
GSE1.8	9.21E-05	-0.16534	0.038	0.093	1 Oligo	GSE1
SAMD4A.2	9.29E-05	-0.13005	0.033	0.088	1 Oligo	SAMD4A
RP11-138A	9.29E-05	-0.17487	0.042	0.101	1 Oligo	RP11-138A9.2
DPEP2.7	9.34E-05	-0.17664	0	0.035	1 Oligo	DPEP2
CDH11.7	9.35E-05	-0.11319	0.054	0.118	1 Oligo	CDH11

ATXN2.7	9.36E-05	0.353449	0.273	0.22	1 Oligo	ATXN2
ZNF586.1	9.36E-05	-0.12675	0.005	0.043	1 Oligo	ZNF586
NEK7.2	9.45E-05	0.203181	0.122	0.074	1 Oligo	NEK7
TOP3A.2	9.53E-05	-0.10739	0.035	0.092	1 Oligo	TOP3A
APOBEC3B.	9.54E-05	-0.10197	0	0.035	1 Oligo	APOBEC3B
RAB22A.6	9.55E-05	-0.11362	0.148	0.242	1 Oligo	RAB22A
FANCI.5	9.60E-05	-0.10294	0.007	0.048	1 Oligo	FANCI
FHL2.6	9.60E-05	-0.11052	0.007	0.048	1 Oligo	FHL2
CCDC181.7	9.61E-05	-0.10663	0.028	0.081	1 Oligo	CCDC181
GBA.4	9.61E-05	0.226984	0.186	0.128	1 Oligo	GBA
GSTP1.5	9.66E-05	0.188622	0.802	0.822	1 Oligo	GSTP1
AGPS.4	9.67E-05	0.207337	0.179	0.12	1 Oligo	AGPS
LTV1.3	9.67E-05	-0.12105	0.108	0.189	1 Oligo	LTV1
MAP3K5.4	9.68E-05	-0.13123	0.009	0.051	1 Oligo	MAP3K5
NUP50.5	9.77E-05	-0.10481	0.054	0.119	1 Oligo	NUP50
TES.9	9.81E-05	-0.17317	0.007	0.048	1 Oligo	TES
CD1D.7	9.86E-05	-0.19381	0.002	0.039	1 Oligo	CD1D
PBRM1.7	9.90E-05	-0.1459	0.153	0.243	1 Oligo	PBRM1
BRCA2.3	9.99E-05	-0.1065	0.007	0.048	1 Oligo	BRCA2
TGM2.4	9.99E-05	-0.14182	0.002	0.039	1 Oligo	TGM2
RCOR2.7	0.0001	-0.12305	0.007	0.047	1 Oligo	RCOR2
IFT46.5	0.0001	-0.10345	0.049	0.111	1 Oligo	IFT46
AC009948.	0.000101	-0.15022	0.012	0.055	1 Oligo	AC009948.5
MAST4.5	0.000101	0.169235	0.092	0.051	1 Oligo	MAST4
ZNF780A.3	0.000101	-0.17148	0.021	0.07	1 Oligo	ZNF780A
PLCB2.9	0.000101	-0.17376	0.016	0.063	1 Oligo	PLCB2
RP11-22N1	0.000102	-0.16055	0	0.034	1 Oligo	RP11-22N19.2
RNASE3.7	0.000102	-0.20337	0	0.034	1 Oligo	RNASE3
AHSA1.2	0.000102	0.335411	0.431	0.397	1 Oligo	AHSA1
PPIP5K2.3	0.000102	-0.10919	0.064	0.13	1 Oligo	PPIP5K2
RHOA.7	0.000102	0.162575	0.746	0.755	1 Oligo	RHOA
TRIP4.2	0.000103	-0.14234	0.052	0.114	1 Oligo	TRIP4
GRK5	0.000104	-0.10592	0	0.034	1 Oligo	GRK5
P2RY6.8	0.000104	-0.14011	0	0.034	1 Oligo	P2RY6
NCAPG.7	0.000104	-0.1166	0.005	0.043	1 Oligo	NCAPG
SULT1A1.7	0.000104	-0.18416	0.009	0.051	1 Oligo	SULT1A1
TLCD2	0.000105	0.146079	0.016	0.004	1 Oligo	TLCD2
STK33.7	0.000106	-0.10395	0.021	0.07	1 Oligo	STK33
ABHD15.8	0.000106	-0.10846	0.014	0.059	1 Oligo	ABHD15
ERAP2.1	0.000106	-0.13077	0.028	0.081	1 Oligo	ERAP2
HOXB3.4	0.000106	-0.11789	0	0.034	1 Oligo	HOXB3
SLC9A9.8	0.000107	0.223368	0.127	0.076	1 Oligo	SLC9A9
TMEM2.4	0.000107	-0.13958	0.019	0.066	1 Oligo	TMEM2
POLR2B.7	0.000107	-0.12629	0.172	0.265	1 Oligo	POLR2B
ZDHHC21.3	0.000108	0.198991	0.148	0.097	1 Oligo	ZDHHC21
RND1.5	0.000108	-0.16763	0.019	0.066	1 Oligo	RND1
HIGD1A.4	0.000108	0.220852	0.459	0.426	1 Oligo	HIGD1A
EIF1AY.7	0.000108	0.236777	0.233	0.176	1 Oligo	EIF1AY
FAN1	0.000108	0.177122	0.094	0.053	1 Oligo	FAN1
SYN1.3	0.000109	-0.11061	0.002	0.039	1 Oligo	SYN1
AC109826.	0.000109	-0.17931	0.002	0.038	1 Oligo	AC109826.1

CMKLR1.7	0.000109	-0.17188	0.009	0.051	1 Oligo	CMKLR1
RP4-756G2	0.000109	0.137665	0.021	0.006	1 Oligo	RP4-756G23.5
GRAMD4.4	0.00011	-0.13558	0.016	0.062	1 Oligo	GRAMD4
LTBR.9	0.00011	-0.14197	0.04	0.097	1 Oligo	LTBR
TDRD7	0.000111	0.122934	0.064	0.03	1 Oligo	TDRD7
KCNN4.5	0.000111	-0.1251	0	0.034	1 Oligo	KCNN4
GAB3.7	0.000111	-0.14473	0	0.034	1 Oligo	GAB3
CXorf40B.	0.000111	-0.10434	0.082	0.156	1 Oligo	CXorf40B
KIAA1524.	0.000111	-0.10906	0.009	0.051	1 Oligo	KIAA1524
RBM14.5	0.000111	-0.10111	0.113	0.195	1 Oligo	RBM14
GOLT1B.6	0.000112	-0.13023	0.153	0.241	1 Oligo	GOLT1B
RPGRIP1L.	0.000113	-0.10058	0.014	0.059	1 Oligo	RPGRIP1L
SNRK.3	0.000114	-0.1304	0.033	0.087	1 Oligo	SNRK
RP3-522D1	0.000114	-0.14387	0.002	0.038	1 Oligo	RP3-522D1.1
CALCRL.1	0.000115	-0.1218	0.005	0.043	1 Oligo	CALCRL
CLEC9A.7	0.000116	-0.21631	0	0.034	1 Oligo	CLEC9A
ZNF140.5	0.000116	-0.13686	0.049	0.109	1 Oligo	ZNF140
PSTPIP1.7	0.000117	-0.16956	0.005	0.042	1 Oligo	PSTPIP1
MTRNR2L8.	0.000117	0.352546	0.252	0.188	1 Oligo	MTRNR2L8
LRRC4.2	0.000117	-0.13555	0.007	0.046	1 Oligo	LRRC4
HOXA-AS2.	0.000117	-0.13127	0.002	0.038	1 Oligo	HOXA-AS2
CCDC170.3	0.000118	-0.13172	0.007	0.047	1 Oligo	CCDC170
SLC8B1.9	0.000119	-0.1575	0.042	0.1	1 Oligo	SLC8B1
EMC10.4	0.000119	0.265371	0.485	0.449	1 Oligo	EMC10
NXF1.3	0.00012	-0.14428	0.12	0.201	1 Oligo	NXF1
C16orf45.	0.000121	-0.13863	0.224	0.322	1 Oligo	C16orf45
FAM212A.7	0.000121	-0.2123	0.009	0.05	1 Oligo	FAM212A
PMM2	0.000121	-0.10322	0.005	0.042	1 Oligo	PMM2
ATP11B	0.000121	0.162927	0.094	0.053	1 Oligo	ATP11B
GPC6.5	0.000122	-0.12292	0.005	0.042	1 Oligo	GPC6
CMPK2.5	0.000123	-0.12887	0.014	0.058	1 Oligo	CMPK2
FAM149A.4	0.000123	-0.13593	0	0.034	1 Oligo	FAM149A
GORAB.7	0.000123	-0.11749	0.026	0.077	1 Oligo	GORAB
LDLRAD3.7	0.000126	0.269802	0.228	0.174	1 Oligo	LDLRAD3
DUSP15.7	0.000126	0.2453	0.139	0.092	1 Oligo	DUSP15
RPH3A.4	0.000126	-0.12228	0	0.033	1 Oligo	RPH3A
C1QTNF4.7	0.000126	-0.13313	0.014	0.058	1 Oligo	C1QTNF4
ERLIN2.2	0.000126	-0.13619	0.061	0.125	1 Oligo	ERLIN2
EMG1.4	0.000126	-0.14473	0.148	0.238	1 Oligo	EMG1
ADSS.4	0.000127	0.254928	0.24	0.185	1 Oligo	ADSS
PLAGL1.6	0.000128	-0.15082	0.005	0.042	1 Oligo	PLAGL1
HEXIM1.3	0.000129	-0.15156	0.134	0.221	1 Oligo	HEXIM1
CBWD2	0.00013	-0.13944	0.071	0.139	1 Oligo	CBWD2
TRPM2.9	0.00013	-0.20469	0.012	0.053	1 Oligo	TRPM2
HLX.4	0.000132	-0.14557	0.005	0.042	1 Oligo	HLX
TBC1D8.2	0.000132	-0.14631	0.007	0.046	1 Oligo	TBC1D8
SYPL1.3	0.000134	0.280503	0.452	0.404	1 Oligo	SYPL1
EMILIN3.4	0.000134	-0.10379	0	0.033	1 Oligo	EMILIN3
PUSL1.2	0.000134	-0.10279	0.059	0.123	1 Oligo	PUSL1
RTN2.6	0.000137	-0.14586	0.033	0.086	1 Oligo	RTN2
EGFL7.2	0.000137	-0.14067	0.002	0.038	1 Oligo	EGFL7



NPTN. 5	0.000137	0.204045	0.104	0.06	1 Oligo	NPTN
CDK8. 4	0.000137	-0.11384	0.031	0.083	1 Oligo	CDK8
DNAJB5. 4	0.000138	-0.11143	0.031	0.082	1 Oligo	DNAJB5
THEMIS2. 9	0.00014	-0.24787	0.169	0.245	1 Oligo	THEMIS2
TMEM5. 7	0.000141	-0.12468	0.127	0.211	1 Oligo	TMEM5
FAM13A-AS	0.000141	0.106882	0.021	0.006	1 Oligo	FAM13A-AS1
RCC2. 6	0.000142	-0.14887	0.101	0.177	1 Oligo	RCC2
AC147651. 1	0.000143	-0.1557	0.002	0.037	1 Oligo	AC147651. 4
ZNF700	0.000144	-0.13088	0.012	0.054	1 Oligo	ZNF700
NCAPG2. 4	0.000145	-0.12017	0.019	0.065	1 Oligo	NCAPG2
NSL1. 5	0.000145	0.311184	0.393	0.345	1 Oligo	NSL1
CXADR. 9	0.000145	0.199932	0.374	0.305	1 Oligo	CXADR
TMEM106A. 1	0.000145	-0.14126	0.019	0.065	1 Oligo	TMEM106A
GABPB1. 4	0.000145	-0.10401	0.049	0.109	1 Oligo	GABPB1
CDCA3. 8	0.000146	-0.13733	0.012	0.054	1 Oligo	CDCA3
MFS7. 7	0.000146	-0.12127	0	0.033	1 Oligo	MFS7
ANPEP. 7	0.000146	-0.14532	0	0.033	1 Oligo	ANPEP
GTF3C2. 1	0.000147	-0.12843	0.047	0.106	1 Oligo	GTF3C2
SLC7A6. 2	0.000147	-0.13942	0.021	0.068	1 Oligo	SLC7A6
ZFAND5. 9	0.000147	-0.16232	0.353	0.467	1 Oligo	ZFAND5
SNAP23. 8	0.000147	-0.13173	0.16	0.247	1 Oligo	SNAP23
COPG1. 1	0.000148	-0.10664	0.146	0.234	1 Oligo	COPG1
CLTB. 7	0.00015	-0.12956	0.318	0.446	1 Oligo	CLTB
NMRK1. 7	0.00015	-0.14601	0.075	0.142	1 Oligo	NMRK1
GFPT2. 5	0.00015	-0.11791	0.012	0.054	1 Oligo	GFPT2
TAF1A. 3	0.00015	-0.1267	0.014	0.058	1 Oligo	TAF1A
CRELD2. 6	0.00015	-0.12632	0.191	0.286	1 Oligo	CRELD2
FAM207A. 4	0.000151	-0.10253	0.122	0.208	1 Oligo	FAM207A
TBL1XR1. 6	0.000151	0.267986	0.294	0.246	1 Oligo	TBL1XR1
KCNH2. 7	0.000153	-0.14111	0.021	0.068	1 Oligo	KCNH2
NEFM. 1	0.000155	0.135798	0.028	0.01	1 Oligo	NEFM
TBRG4. 6	0.000155	-0.14953	0.153	0.241	1 Oligo	TBRG4
KIAA1551. 1	0.000156	-0.10924	0.035	0.089	1 Oligo	KIAA1551
SPG11. 4	0.000156	0.232178	0.167	0.114	1 Oligo	SPG11
TRPM4. 3	0.000157	-0.12292	0.005	0.041	1 Oligo	TRPM4
SLC1A4. 6	0.000157	-0.1584	0.026	0.074	1 Oligo	SLC1A4
CLIC2. 6	0.000158	-0.17453	0.007	0.045	1 Oligo	CLIC2
MSI2. 6	0.000158	-0.1703	0.233	0.325	1 Oligo	MSI2
CTH. 4	0.000159	-0.1309	0.014	0.057	1 Oligo	CTH
SLC16A1-A	0.000159	0.301093	0.082	0.045	1 Oligo	SLC16A1-AS1
TTC26. 6	0.00016	-0.12511	0.009	0.049	1 Oligo	TTC26
SDCBP2. 4	0.000161	-0.11155	0.007	0.045	1 Oligo	SDCBP2
HMMR. 5	0.000161	-0.11683	0.005	0.041	1 Oligo	HMMR
DDX60L. 4	0.000161	-0.14502	0.014	0.057	1 Oligo	DDX60L
UBE2G2	0.000163	-0.11725	0.169	0.265	1 Oligo	UBE2G2
LRRC58. 4	0.000163	0.34452	0.254	0.205	1 Oligo	LRRC58
FZD1. 1	0.000164	-0.10962	0.007	0.045	1 Oligo	FZD1
RP11-796E	0.000165	-0.22966	0.021	0.067	1 Oligo	RP11-796E2. 4
OGFOD1. 3	0.000166	-0.1205	0.082	0.153	1 Oligo	OGFOD1
DACT1. 2	0.000166	-0.10439	0	0.032	1 Oligo	DACT1
CCDC69. 7	0.000167	-0.12281	0.002	0.037	1 Oligo	CCDC69

EPHB6. 1	0.000168	-0.15724	0.007	0.045	1 Oligo	EPHB6
EPC1. 6	0.000168	-0.11751	0.193	0.295	1 Oligo	EPC1
MAP3K3. 6	0.000169	0.215304	0.106	0.062	1 Oligo	MAP3K3
CACNA2D3. 0	0.000169	-0.12896	0	0.032	1 Oligo	CACNA2D3
CD3EAP	0.00017	-0.11514	0.042	0.098	1 Oligo	CD3EAP
DCLRE1B. 2	0.000171	-0.11023	0.014	0.057	1 Oligo	DCLRE1B
DPYD. 7	0.000171	-0.22697	0.047	0.103	1 Oligo	DPYD
BCL2L2	0.000172	0.21723	0.073	0.038	1 Oligo	BCL2L2
SNCB. 3	0.000173	-0.10996	0	0.032	1 Oligo	SNCB
CENPE. 8	0.000173	-0.15211	0.014	0.057	1 Oligo	CENPE
AC002456. 0	0.000173	-0.13018	0.007	0.045	1 Oligo	AC002456. 2
LMTK2	0.000174	0.157122	0.054	0.025	1 Oligo	LMTK2
MARCH2. 7	0.000175	-0.15383	0.151	0.236	1 Oligo	2-Mar
HERC5. 3	0.000175	-0.11989	0.026	0.075	1 Oligo	HERC5
RAPH1. 2	0.000175	-0.12219	0.021	0.068	1 Oligo	RAPH1
GPR17	0.000176	0.168451	0.035	0.014	1 Oligo	GPR17
C15orf57. 0	0.000176	-0.11746	0.064	0.126	1 Oligo	C15orf57
MAZ. 7	0.000177	-0.12912	0.16	0.254	1 Oligo	MAZ
RGS14. 1	0.000179	-0.12046	0.002	0.037	1 Oligo	RGS14
PRKDC. 5	0.000179	-0.103	0.195	0.296	1 Oligo	PRKDC
KLF11. 5	0.000179	-0.12552	0.005	0.041	1 Oligo	KLF11
FAM83D. 2	0.00018	-0.10096	0.002	0.037	1 Oligo	FAM83D
WRAP73. 3	0.00018	-0.13889	0.08	0.149	1 Oligo	WRAP73
SP140. 8	0.000181	-0.14786	0	0.032	1 Oligo	SP140
MORF4L1. 2	0.000181	0.200763	0.713	0.746	1 Oligo	MORF4L1
SLC38A10. 0	0.000182	-0.13752	0.122	0.202	1 Oligo	SLC38A10
IFIT3. 7	0.000183	0.248324	0.16	0.106	1 Oligo	IFIT3
HJURP. 7	0.000184	-0.12528	0.005	0.041	1 Oligo	HJURP
CLVS1. 5	0.000184	-0.11912	0	0.032	1 Oligo	CLVS1
FAM177B. 5	0.000184	-0.16324	0	0.032	1 Oligo	FAM177B
CHST15. 4	0.000185	-0.15466	0.005	0.04	1 Oligo	CHST15
MAPK14. 3	0.000187	-0.11307	0.052	0.112	1 Oligo	MAPK14
SFMBT2. 7	0.000187	-0.24917	0.031	0.079	1 Oligo	SFMBT2
SLCO4A1. 5	0.000188	-0.11558	0.002	0.036	1 Oligo	SLCO4A1
PCBD2. 3	0.000188	-0.11284	0.033	0.085	1 Oligo	PCBD2
ADAM10. 5	0.000189	0.269468	0.238	0.182	1 Oligo	ADAM10
ARHGEF4. 6	0.000189	0.235318	0.092	0.053	1 Oligo	ARHGEF4
ONECUT2. 6	0.000191	-0.11772	0.007	0.045	1 Oligo	ONECUT2
UBXN2B. 4	0.000192	-0.12623	0.085	0.154	1 Oligo	UBXN2B
BRD3. 8	0.000193	-0.14206	0.186	0.278	1 Oligo	BRD3
ADAM8. 7	0.000193	-0.15564	0.007	0.045	1 Oligo	ADAM8
PDZD4. 7	0.000195	-0.1066	0.009	0.049	1 Oligo	PDZD4
RP11-742E	0.000197	-0.15274	0	0.032	1 Oligo	RP11-742B18. 1
RP11-383M	0.000199	0.155825	0.019	0.005	1 Oligo	RP11-383M4. 6
RBAK-RBAK	0.000205	-0.16441	0.047	0.103	1 Oligo	RBAK-RBAKDN
EFNA4. 1	0.000206	-0.11668	0.007	0.044	1 Oligo	EFNA4
FLVCR2. 6	0.000206	-0.1317	0.002	0.036	1 Oligo	FLVCR2
SH3RF3. 1	0.000206	-0.1228	0.002	0.036	1 Oligo	SH3RF3
HAUS4. 9	0.000206	-0.19133	0.019	0.063	1 Oligo	HAUS4
RFC1. 5	0.000207	0.406679	0.32	0.275	1 Oligo	RFC1
TXNL4A. 5	0.000208	0.165524	0.447	0.409	1 Oligo	TXNL4A

SLC25A11. 0.000209	-0.14426	0.306	0.424	1 Oligo	SLC25A11
RP11-176H 0.000209	0.191252	0.049	0.022	1 Oligo	RP11-176H8. 1
SLC9A6. 2 0.000209	0.218561	0.099	0.058	1 Oligo	SLC9A6
AIM1. 5 0.000209	-0.15124	0.002	0.036	1 Oligo	AIM1
MOB1B. 3 0.000209	-0.12287	0.024	0.07	1 Oligo	MOB1B
NFATC2. 6 0.000211	-0.1848	0.009	0.048	1 Oligo	NFATC2
XRCC4. 1 0.000213	-0.11868	0.047	0.104	1 Oligo	XRCC4
RN7SL832F 0.000213	0.179691	0.054	0.025	1 Oligo	RN7SL832P
TBC1D10C. 0.000214	-0.15385	0	0.031	1 Oligo	TBC1D10C
THRA. 7 0.000214	0.36908	0.294	0.237	1 Oligo	THRA
AFAP1. 6 0.000218	-0.10704	0.035	0.087	1 Oligo	AFAP1
EXOSC4. 2 0.000219	-0.11926	0.165	0.255	1 Oligo	EXOSC4
UBTD2. 5 0.000219	-0.10949	0.049	0.108	1 Oligo	UBTD2
HPS1. 8 0.00022	0.132718	0.167	0.109	1 Oligo	HPS1
VEGFB. 4 0.000223	-0.10791	0.078	0.147	1 Oligo	VEGFB
NDUFB7. 6 0.000223	0.243075	0.736	0.719	1 Oligo	NDUFB7
MB21D2. 6 0.000224	-0.15629	0.014	0.055	1 Oligo	MB21D2
ICAM2. 8 0.000225	-0.16383	0.002	0.036	1 Oligo	ICAM2
PHF11. 8 0.000227	-0.13108	0.078	0.144	1 Oligo	PHF11
HSPBAP1. 4 0.000228	-0.12767	0.026	0.073	1 Oligo	HSPBAP1
C6orf141. 0.000228	-0.12469	0	0.031	1 Oligo	C6orf141
ACTR6. 5 0.000229	0.11385	0.144	0.237	1 Oligo	ACTR6
BBS4. 3 0.000229	-0.10156	0.035	0.087	1 Oligo	BBS4
RASL10A 0.00023	-0.10214	0.005	0.04	1 Oligo	RASL10A
DHX34 0.000232	-0.10297	0.016	0.059	1 Oligo	DHX34
CTB-61M7. 0.000232	-0.19361	0.005	0.039	1 Oligo	CTB-61M7. 2
NF1. 5 0.000232	0.327108	0.273	0.221	1 Oligo	NF1
FABP6. 8 0.000234	-0.13922	0.005	0.04	1 Oligo	FABP6
ZNF106. 7 0.000239	-0.12552	0.169	0.261	1 Oligo	ZNF106
SMURF2. 3 0.000239	-0.12141	0.066	0.128	1 Oligo	SMURF2
ACSF3. 1 0.00024	-0.14007	0.056	0.116	1 Oligo	ACSF3
PDZRN4. 6 0.00024	-0.13501	0.005	0.04	1 Oligo	PDZRN4
RAPGEF6. 1 0.00024	0.203539	0.085	0.047	1 Oligo	RAPGEF6
RP11-403I 0.000244	-0.20512	0.002	0.035	1 Oligo	RP11-403I13. 5
TMC8. 7 0.000245	-0.12739	0.007	0.044	1 Oligo	TMC8
B3GALNT2. 0.000245	-0.1361	0.04	0.093	1 Oligo	B3GALNT2
CYBRD1. 3 0.000245	-0.13014	0.106	0.179	1 Oligo	CYBRD1
AP3S2 0.000247	0.22451	0.101	0.06	1 Oligo	AP3S2
SPR. 2 0.000248	-0.12033	0.028	0.077	1 Oligo	SPR
SLC17A9. 8 0.000248	-0.12786	0	0.031	1 Oligo	SLC17A9
GNLY. 3 0.000248	-0.21487	0	0.031	1 Oligo	GNLY
SRSF6. 5 0.000251	-0.14344	0.254	0.363	1 Oligo	SRSF6
AREL1 0.000251	0.16438	0.092	0.053	1 Oligo	AREL1
PTPN13. 7 0.000252	0.256418	0.136	0.091	1 Oligo	PTPN13
ZNF467. 6 0.000253	-0.12721	0.002	0.035	1 Oligo	ZNF467
TTC27. 1 0.000253	-0.13273	0.031	0.079	1 Oligo	TTC27
IGFBP7-AS 0.000254	-0.10287	0	0.031	1 Oligo	IGFBP7-AS1
RXRA. 5 0.000254	-0.17344	0.045	0.098	1 Oligo	RXRA
RP11-15A1 0.000254	0.142503	0.092	0.052	1 Oligo	RP11-15A1. 3
RAB11FIP2 0.000256	0.229991	0.111	0.068	1 Oligo	RAB11FIP2
ANKRD28. 5 0.000258	0.224627	0.162	0.111	1 Oligo	ANKRD28

XXbac-BPG	0.000258	0.212941	0.068	0.036	1 Oligo	XXbac-BPGBPG55C20.
HINT3.5	0.000259	0.295582	0.252	0.197	1 Oligo	HINT3
MIR7-3HG.	0.000259	-0.17473	0.002	0.035	1 Oligo	MIR7-3HG
RP3-508I1	0.000259	-0.10346	0	0.03	1 Oligo	RP3-508I15.14
CDK5R2.6	0.000259	-0.12111	0.002	0.035	1 Oligo	CDK5R2
FAM168B.4	0.00026	0.312423	0.212	0.161	1 Oligo	FAM168B
CNEP1R1.2	0.000262	-0.10715	0.054	0.113	1 Oligo	CNEP1R1
RBM17.4	0.000263	-0.1254	0.264	0.373	1 Oligo	RBM17
PCSK1.6	0.000264	-0.14337	0.002	0.035	1 Oligo	PCSK1
CTD-3076C	0.000265	0.114572	0.012	0.002	1 Oligo	CTD-3076017.2
RPP14.5	0.000266	-0.11109	0.113	0.19	1 Oligo	RPP14
C3orf70.8	0.000268	-0.10339	0.047	0.102	1 Oligo	C3orf70
H2AFJ.9	0.00027	0.335375	0.313	0.257	1 Oligo	H2AFJ
NR1H3.2	0.00027	-0.10701	0.014	0.055	1 Oligo	NR1H3
ZCCHC12.2	0.00027	-0.11528	0	0.03	1 Oligo	ZCCHC12
ATF7IP2.8	0.000271	-0.17483	0.007	0.043	1 Oligo	ATF7IP2
RP11-553L	0.000271	0.257736	0.278	0.224	1 Oligo	RP11-553L6.5
RP11-421L	0.000274	-0.11889	0.033	0.083	1 Oligo	RP11-421L21.3
LIN54.1	0.000275	0.114593	0.071	0.037	1 Oligo	LIN54
PTDSS2.8	0.000276	0.320977	0.2	0.15	1 Oligo	PTDSS2
PIP4K2B.4	0.000278	0.313807	0.148	0.101	1 Oligo	PIP4K2B
CSPG5.8	0.000279	-0.14588	0.054	0.11	1 Oligo	CSPG5
ITGAV.5	0.000279	0.240228	0.325	0.277	1 Oligo	ITGAV
TSHZ3.1	0.00028	-0.109	0.002	0.035	1 Oligo	TSHZ3
OAS3.3	0.000281	-0.1108	0.014	0.055	1 Oligo	OAS3
FRAT2.2	0.000285	-0.10893	0.009	0.047	1 Oligo	FRAT2
NEK2.6	0.000285	-0.10809	0.002	0.035	1 Oligo	NEK2
SERINC5.3	0.000288	0.373303	0.106	0.065	1 Oligo	SERINC5
LMNA.5	0.000288	0.233089	0.461	0.414	1 Oligo	LMNA
PLA2G2A.4	0.000289	-0.42771	0.005	0.039	1 Oligo	PLA2G2A
LIMK2.3	0.000291	-0.13636	0.038	0.088	1 Oligo	LIMK2
ZNF181.6	0.000291	-0.11871	0.045	0.099	1 Oligo	ZNF181
STARD13.2	0.000293	0.131192	0.085	0.047	1 Oligo	STARD13
SPINT1.8	0.000293	-0.11996	0.002	0.035	1 Oligo	SPINT1
NEUROD1.6	0.000293	-0.10559	0.005	0.039	1 Oligo	NEUROD1
HOXC6.2	0.000294	-0.10015	0	0.03	1 Oligo	HOXC6
SIGLEC1.5	0.000294	-0.14056	0	0.03	1 Oligo	SIGLEC1
IL1R2.5	0.000294	-0.17714	0	0.03	1 Oligo	IL1R2
ECM1.4	0.000294	-0.10965	0.007	0.043	1 Oligo	ECM1
ATP2A2.4	0.000295	0.248457	0.322	0.277	1 Oligo	ATP2A2
MYO7A.7	0.000298	-0.15763	0.002	0.034	1 Oligo	MYO7A
ZNF143.1	0.000299	-0.10898	0.033	0.083	1 Oligo	ZNF143
CHST9.1	0.000299	-0.10348	0.002	0.034	1 Oligo	CHST9
TRAPPC6B.	0.000301	-0.12214	0.073	0.137	1 Oligo	TRAPPC6B
CD52.7	0.000302	-0.31618	0.014	0.053	1 Oligo	CD52
ZNF507.1	0.000302	0.188616	0.08	0.044	1 Oligo	ZNF507
RP5-1177M	0.000305	-0.17223	0.009	0.046	1 Oligo	RP5-1177M21.1
ANGPTL4.5	0.000308	-0.35732	0.052	0.103	1 Oligo	ANGPTL4
BCL11B.6	0.000313	-0.12992	0.002	0.034	1 Oligo	BCL11B
AQP9.4	0.000314	-0.12725	0	0.03	1 Oligo	AQP9
SMIM14.7	0.000314	0.31983	0.376	0.329	1 Oligo	SMIM14

DEK. 6	0.000315	-0.11991	0.36	0.468	1 Oligo	DEK
FAM72A. 4	0.000316	-0.10814	0.007	0.043	1 Oligo	FAM72A
LPCAT2. 9	0.000317	-0.29114	0.092	0.149	1 Oligo	LPCAT2
AP006222. 0	0.000319	0.347168	0.259	0.209	1 Oligo	AP006222. 2
ZNF681. 2	0.000319	-0.10245	0.007	0.043	1 Oligo	ZNF681
TAB2. 4	0.000322	-0.1543	0.068	0.129	1 Oligo	TAB2
TLR3. 4	0.000322	-0.15821	0.002	0.034	1 Oligo	TLR3
LPAR2. 2	0.000323	-0.10402	0.002	0.034	1 Oligo	LPAR2
SLC05A1. 7	0.000323	-0.11907	0.007	0.042	1 Oligo	SLC05A1
LINC01114	0.000323	-0.10781	0.002	0.034	1 Oligo	LINC01114
HGF. 3	0.000327	-0.13404	0	0.03	1 Oligo	HGF
SP2	0.000328	0.196859	0.122	0.078	1 Oligo	SP2
UNC13D. 8	0.000329	-0.13019	0.012	0.05	1 Oligo	UNC13D
C16orf70. 0	0.000329	0.144433	0.108	0.065	1 Oligo	C16orf70
IFITM1. 3	0.000338	-0.20515	0.005	0.038	1 Oligo	IFITM1
BCL11A. 6	0.000339	-0.11502	0.012	0.05	1 Oligo	BCL11A
ZNF675. 1	0.000342	-0.10455	0.024	0.068	1 Oligo	ZNF675
DSC2. 7	0.000343	-0.13401	0.002	0.034	1 Oligo	DSC2
QTRTD1. 1	0.000344	-0.10005	0.04	0.092	1 Oligo	QTRTD1
RNF150. 3	0.000345	-0.1176	0.007	0.042	1 Oligo	RNF150
DEDD. 1	0.000346	-0.13134	0.061	0.12	1 Oligo	DEDD
SESN3. 3	0.000347	-0.14245	0.087	0.152	1 Oligo	SESN3
NSF. 1	0.000347	-0.11328	0.075	0.139	1 Oligo	NSF
CREBL2. 7	0.000348	-0.14689	0.12	0.191	1 Oligo	CREBL2
MMP9. 3	0.000349	-0.10985	0	0.029	1 Oligo	MMP9
ITGB2-AS1	0.000349	-0.15959	0	0.029	1 Oligo	ITGB2-AS1
APOM	0.00035	-0.11902	0.012	0.05	1 Oligo	APOM
DUS4L. 6	0.000353	-0.11536	0.033	0.081	1 Oligo	DUS4L
BRI3BP. 4	0.000354	0.239286	0.16	0.111	1 Oligo	BRI3BP
RAB4B. 4	0.000354	0.280612	0.313	0.261	1 Oligo	RAB4B
PRRG4. 7	0.000355	-0.11675	0.009	0.046	1 Oligo	PRRG4
ZNF300. 8	0.000356	-0.11456	0.026	0.071	1 Oligo	ZNF300
RP3-47704	0.000356	-0.1471	0	0.029	1 Oligo	RP3-47704. 14
RP11-489C	0.000356	-0.1561	0	0.029	1 Oligo	RP11-489018. 1
MXD3. 8	0.000356	-0.12672	0.021	0.064	1 Oligo	MXD3
CYB5R3. 4	0.000358	0.281736	0.398	0.359	1 Oligo	CYB5R3
CENPJ. 5	0.000359	-0.12743	0.024	0.067	1 Oligo	CENPJ
ATP13A1. 3	0.000362	-0.12362	0.094	0.164	1 Oligo	ATP13A1
C6orf15. 6	0.000364	-0.17641	0	0.029	1 Oligo	C6orf15
EEF1G. 3	0.000368	-0.14629	0.049	0.105	1 Oligo	EEF1G
LIMD1. 1	0.000369	-0.10054	0.033	0.081	1 Oligo	LIMD1
DGKG. 3	0.000372	-0.10279	0.012	0.049	1 Oligo	DGKG
URI1. 6	0.000374	-0.11095	0.141	0.224	1 Oligo	URI1
NRIP3. 4	0.000375	-0.11721	0.005	0.038	1 Oligo	NRIP3
AVIL. 7	0.000378	-0.12654	0.04	0.091	1 Oligo	AVIL
GOLPH3L. 3	0.000378	-0.11729	0.033	0.081	1 Oligo	GOLPH3L
C2orf74. 1	0.000379	0.386286	0.052	0.025	1 Oligo	C2orf74
PIK3CB. 1	0.000381	0.19653	0.101	0.062	1 Oligo	PIK3CB
COQ5. 5	0.000383	0.10007	0.118	0.199	1 Oligo	COQ5
MAPK8. 4	0.000383	-0.11415	0.047	0.101	1 Oligo	MAPK8
GLUD1. 5	0.000384	0.274538	0.304	0.246	1 Oligo	GLUD1

EID2B. 7	0.000389	-0.10841	0.04	0.091	1 Oligo	EID2B
RASA2. 3	0.000389	-0.11772	0.031	0.078	1 Oligo	RASA2
WDSUB1. 3	0.000395	-0.13067	0.031	0.078	1 Oligo	WDSUB1
PGAM2. 8	0.000398	-0.16817	0.012	0.049	1 Oligo	PGAM2
SPN. 9	0.000399	-0.10352	0.016	0.057	1 Oligo	SPN
C3orf17. 2	0.000399	-0.11432	0.08	0.145	1 Oligo	C3orf17
TOMM40L. 3	0.000401	-0.12712	0.021	0.063	1 Oligo	TOMM40L
PJA2. 7	0.000404	0.210594	0.376	0.334	1 Oligo	PJA2
ENGASE	0.000404	-0.10169	0.016	0.057	1 Oligo	ENGASE
DAPP1. 8	0.000405	-0.13471	0	0.029	1 Oligo	DAPP1
PDE6D. 6	0.000406	0.281245	0.24	0.187	1 Oligo	PDE6D
SHOC2. 3	0.000407	-0.11763	0.087	0.154	1 Oligo	SHOC2
PSORS1C1. 0	0.000408	-0.11505	0.005	0.037	1 Oligo	PSORS1C1
HEY2. 5	0.000408	0.277648	0.101	0.062	1 Oligo	HEY2
IL2RA. 7	0.00041	-0.23201	0.002	0.033	1 Oligo	IL2RA
IRF2. 3	0.00041	-0.15966	0.127	0.201	1 Oligo	IRF2
TRAF4. 8	0.000417	-0.13288	0.184	0.272	1 Oligo	TRAF4
FAM76A. 1	0.000419	0.235141	0.132	0.088	1 Oligo	FAM76A
RAB33B. 1	0.000419	0.146804	0.096	0.057	1 Oligo	RAB33B
GPT2. 7	0.00042	0.250907	0.195	0.145	1 Oligo	GPT2
MCCC2. 4	0.000426	-0.11258	0.073	0.135	1 Oligo	MCCC2
OCLN	0.000426	0.107898	0.047	0.022	1 Oligo	OCLN
PPIL6. 8	0.00043	-0.10475	0.012	0.049	1 Oligo	PPIL6
NAA40. 2	0.00043	-0.13654	0.035	0.083	1 Oligo	NAA40
PCED1B. 7	0.000434	-0.14239	0.005	0.037	1 Oligo	PCED1B
UQCRQ. 5	0.000436	0.197607	0.769	0.8	1 Oligo	UQCRQ
NDUFA4L2. 0	0.000438	-0.1263	0.007	0.041	1 Oligo	NDUFA4L2
FZD5	0.000439	0.200178	0.054	0.027	1 Oligo	FZD5
SLC38A7. 3	0.000443	-0.10934	0.054	0.11	1 Oligo	SLC38A7
GZF1. 2	0.000443	-0.13276	0.052	0.105	1 Oligo	GZF1
POC1B. 2	0.000444	0.190112	0.125	0.081	1 Oligo	POC1B
SRBD1. 3	0.000445	-0.1318	0.038	0.087	1 Oligo	SRBD1
ZBTB2. 3	0.00045	-0.10531	0.028	0.074	1 Oligo	ZBTB2
TTBK1	0.000452	0.134397	0.038	0.016	1 Oligo	TTBK1
GTPBP8. 1	0.000454	-0.14831	0.056	0.112	1 Oligo	GTPBP8
RP11-514C	0.00046	-0.11726	0	0.028	1 Oligo	RP11-514012. 4
TCEAL6. 5	0.000463	-0.12826	0.005	0.037	1 Oligo	TCEAL6
DDHD2. 6	0.000466	0.231689	0.151	0.104	1 Oligo	DDHD2
DCUN1D2	0.000472	0.16187	0.064	0.033	1 Oligo	DCUN1D2
SLC44A2. 7	0.000476	0.265781	0.252	0.201	1 Oligo	SLC44A2
ZNF483	0.000483	0.196695	0.045	0.02	1 Oligo	ZNF483
FAM58A. 3	0.000483	0.28718	0.202	0.152	1 Oligo	FAM58A
NUP214. 8	0.000483	-0.2683	0.129	0.198	1 Oligo	NUP214
DISP1. 2	0.000486	-0.13325	0.005	0.036	1 Oligo	DISP1
RPS6KA1. 9	0.000487	-0.18346	0.075	0.133	1 Oligo	RPS6KA1
ARMCX2. 6	0.00049	-0.13287	0.085	0.149	1 Oligo	ARMCX2
IRAK4. 3	0.000496	-0.13259	0.047	0.1	1 Oligo	IRAK4
APEX2. 5	0.000499	-0.15204	0.045	0.096	1 Oligo	APEX2
UBA6-AS1. 0	0.000499	0.32475	0.125	0.082	1 Oligo	UBA6-AS1
MAOA. 2	0.000499	-0.11164	0.002	0.032	1 Oligo	MAOA
GJA1. 6	0.000499	-0.25345	0.035	0.081	1 Oligo	GJA1

NUP54.5	0.000501	-0.15835	0.111	0.18	1 Oligo	NUP54
WHSC1L1.8	0.000501	-0.12706	0.278	0.376	1 Oligo	WHSC1L1
CEP70.6	0.000503	-0.11534	0.047	0.099	1 Oligo	CEP70
SCN9A.6	0.000506	-0.1319	0.005	0.036	1 Oligo	SCN9A
POLE4.6	0.000507	-0.11611	0.198	0.288	1 Oligo	POLE4
CDC48.6	0.000513	-0.1064	0.007	0.041	1 Oligo	CDC48
ZNF460	0.000514	-0.10298	0.002	0.032	1 Oligo	ZNF460
TIPIN.5	0.000515	-0.12946	0.08	0.143	1 Oligo	TIPIN
TTC7B	0.000515	0.164407	0.068	0.037	1 Oligo	TTC7B
ASCC1.2	0.000519	0.316776	0.16	0.112	1 Oligo	ASCC1
MMS22L.3	0.000521	0.237355	0.101	0.062	1 Oligo	MMS22L
PPP1R3C.2	0.000522	-0.10274	0	0.028	1 Oligo	PPP1R3C
CKAP5.8	0.000528	0.254384	0.205	0.154	1 Oligo	CKAP5
GTDC1.1	0.00053	0.261667	0.144	0.097	1 Oligo	GTDC1
ZNF664.6	0.000531	0.284695	0.195	0.147	1 Oligo	ZNF664
PSD4.4	0.000532	-0.10709	0.002	0.032	1 Oligo	PSD4
SH3KBP1.9	0.000533	0.30516	0.299	0.239	1 Oligo	SH3KBP1
SCARF1.7	0.000533	-0.1226	0	0.027	1 Oligo	SCARF1
HSDL2.2	0.000534	-0.12238	0.094	0.163	1 Oligo	HSDL2
PIGK.1	0.000537	0.330697	0.2	0.15	1 Oligo	PIGK
TMEM259.4	0.000538	-0.1208	0.24	0.339	1 Oligo	TMEM259
ZNF37A.6	0.000543	0.246567	0.184	0.137	1 Oligo	ZNF37A
CSRNP3.8	0.000553	-0.15253	0.049	0.101	1 Oligo	CSRNP3
FBXL15.8	0.000555	-0.16297	0.127	0.198	1 Oligo	FBXL15
IFT80.4	0.000555	0.301197	0.108	0.069	1 Oligo	IFT80
FAM13B.4	0.000557	0.229216	0.127	0.084	1 Oligo	FAM13B
SCAF1.6	0.00056	0.253683	0.2	0.152	1 Oligo	SCAF1
AGO3.4	0.000568	0.331441	0.238	0.191	1 Oligo	AGO3
MAPK13.5	0.000568	-0.12001	0.002	0.032	1 Oligo	MAPK13
CATSPER1.0	0.000568	-0.14133	0	0.027	1 Oligo	CATSPER1
ALOX15B.7	0.000581	-0.14158	0	0.027	1 Oligo	ALOX15B
UROS.4	0.000582	0.3797	0.289	0.251	1 Oligo	UROS
MACF1.6	0.000587	0.271346	0.362	0.32	1 Oligo	MACF1
ITPR1.4	0.000589	-0.11222	0.005	0.036	1 Oligo	ITPR1
STAU2.6	0.00059	-0.10923	0.106	0.176	1 Oligo	STAU2
TFB1M.1	0.000591	-0.11174	0.047	0.098	1 Oligo	TFB1M
NUTF2.3	0.000593	-0.10566	0.341	0.453	1 Oligo	NUTF2
GPR132.6	0.000595	-0.12108	0.002	0.032	1 Oligo	GPR132
HELQ.1	0.000598	-0.12123	0.024	0.065	1 Oligo	HELQ
CSNK2A2.1	0.000611	-0.12701	0.061	0.117	1 Oligo	CSNK2A2
CDT1.6	0.000613	-0.10228	0.021	0.062	1 Oligo	CDT1
DHRS4-AS1	0.000613	0.202317	0.019	0.006	1 Oligo	DHRS4-AS1
IL7R.7	0.000618	-0.17457	0.016	0.055	1 Oligo	IL7R
FAM118B.5	0.000618	-0.11031	0.085	0.149	1 Oligo	FAM118B
CDC42SE1.0	0.000623	0.211494	0.355	0.302	1 Oligo	CDC42SE1
RAB3C.5	0.000632	-0.11788	0.007	0.039	1 Oligo	RAB3C
MIER1.3	0.000634	-0.12398	0.106	0.177	1 Oligo	MIER1
ZNF804A.2	0.000643	-0.11513	0.007	0.039	1 Oligo	ZNF804A
RSPH1.3	0.000646	-0.10812	0	0.027	1 Oligo	RSPH1
SLFN12.5	0.000646	-0.10985	0	0.027	1 Oligo	SLFN12
ATHL1.2	0.000646	-0.11404	0.005	0.035	1 Oligo	ATHL1

LHX1. 5	0.000649	-0.11541	0.002	0.031	1 Oligo	LHX1
FERMT1. 6	0.00065	-0.12114	0.014	0.051	1 Oligo	FERMT1
FKBP15. 8	0.000653	-0.12345	0.08	0.14	1 Oligo	FKBP15
ATP6V1D. 3	0.000656	-0.12622	0.271	0.374	1 Oligo	ATP6V1D
FHIT. 5	0.000662	0.319034	0.167	0.114	1 Oligo	FHIT
NFIA. 8	0.000668	0.180334	0.442	0.377	1 Oligo	NFIA
SLC9B1	0.000669	0.136915	0.031	0.012	1 Oligo	SLC9B1
RASSF3. 7	0.00067	-0.1299	0.009	0.043	1 Oligo	RASSF3
TMEM30A. 3	0.00067	0.260273	0.369	0.333	1 Oligo	TMEM30A
UAP1L1. 2	0.000673	0.1808	0.096	0.059	1 Oligo	UAP1L1
CCR5. 6	0.000674	-0.11114	0	0.027	1 Oligo	CCR5
ZNF680. 7	0.000681	-0.11884	0.108	0.176	1 Oligo	ZNF680
IL17RB. 7	0.000686	-0.10624	0.012	0.047	1 Oligo	IL17RB
TOPBP1. 6	0.000694	-0.10731	0.045	0.094	1 Oligo	TOPBP1
KDM2A. 1	0.000694	-0.10159	0.071	0.129	1 Oligo	KDM2A
APOBR. 8	0.000698	-0.14688	0.007	0.039	1 Oligo	APOBR
VKORC1. 4	0.000701	-0.10879	0.393	0.5	1 Oligo	VKORC1
RAB2B. 3	0.000702	0.207646	0.122	0.08	1 Oligo	RAB2B
LACTB2. 3	0.000704	0.326439	0.2	0.149	1 Oligo	LACTB2
SNX9. 7	0.000705	0.322379	0.238	0.188	1 Oligo	SNX9
PLVAP. 5	0.000707	-0.15018	0.002	0.031	1 Oligo	PLVAP
MYL9. 2	0.000708	-0.1276	0.005	0.035	1 Oligo	MYL9
HEBP1. 5	0.000709	0.21506	0.242	0.187	1 Oligo	HEBP1
KPNA4. 4	0.00071	-0.12891	0.113	0.183	1 Oligo	KPNA4
ITGB7. 6	0.000718	-0.10981	0	0.026	1 Oligo	ITGB7
HOXC8. 5	0.000727	-0.11709	0.005	0.035	1 Oligo	HOXC8
IGIP	0.000731	0.132285	0.047	0.022	1 Oligo	IGIP
VNN2. 6	0.000734	-0.10862	0	0.026	1 Oligo	VNN2
PHYHD1. 1	0.000734	-0.11412	0	0.026	1 Oligo	PHYHD1
SNRPN. 9	0.000736	0.519718	0.141	0.097	1 Oligo	SNRPN
SKIV2L2. 5	0.000748	-0.13064	0.094	0.158	1 Oligo	SKIV2L2
TMEM71. 3	0.000749	-0.11675	0	0.026	1 Oligo	TMEM71
LXN. 5	0.000749	-0.12044	0	0.026	1 Oligo	LXN
UGGT2	0.00075	-0.10715	0.042	0.091	1 Oligo	UGGT2
CPQ. 7	0.000754	0.220229	0.233	0.176	1 Oligo	CPQ
ABCE1. 4	0.000756	-0.11181	0.169	0.253	1 Oligo	ABCE1
LTB4R. 7	0.000761	-0.12131	0.005	0.035	1 Oligo	LTB4R
MAP4K1. 7	0.000769	-0.13905	0.002	0.03	1 Oligo	MAP4K1
CENPP. 2	0.000781	-0.11632	0.014	0.05	1 Oligo	CENPP
HK3. 5	0.000782	-0.10014	0	0.026	1 Oligo	HK3
DGKA. 2	0.000783	-0.127	0.007	0.038	1 Oligo	DGKA
NAV3. 3	0.000785	0.105129	0.054	0.027	1 Oligo	NAV3
SCN3A. 8	0.000794	-0.13386	0.031	0.073	1 Oligo	SCN3A
COX14. 5	0.000795	0.26773	0.487	0.459	1 Oligo	COX14
MMP7. 4	0.0008	-0.23348	0.002	0.03	1 Oligo	MMP7
MYH7B	0.000802	0.100418	0.04	0.018	1 Oligo	MYH7B
MLLT10. 3	0.000816	-0.12455	0.071	0.128	1 Oligo	MLLT10
MICU3. 7	0.000819	0.122591	0.125	0.081	1 Oligo	MICU3
ASCC2. 3	0.000821	-0.10235	0.136	0.208	1 Oligo	ASCC2
LFNG. 1	0.000822	-0.10503	0.012	0.046	1 Oligo	LFNG
OXNAD1. 2	0.000822	-0.11472	0.028	0.071	1 Oligo	OXNAD1



SLC35B4.5	0.00083	-0.11781	0.122	0.194	1 Oligo	SLC35B4
C10orf10.	0.000831	-0.31922	0.045	0.092	1 Oligo	C10orf10
MCM5.8	0.000832	-0.11446	0.092	0.152	1 Oligo	MCM5
GNG11.3	0.000834	-0.14838	0.007	0.038	1 Oligo	GNG11
RELT.8	0.00084	-0.146	0.04	0.086	1 Oligo	RELT
TFAP2B.5	0.000847	-0.10402	0.002	0.03	1 Oligo	TFAP2B
CYP19A1.4	0.000851	-0.12212	0	0.026	1 Oligo	CYP19A1
TMEM181.9	0.000855	0.260396	0.207	0.162	1 Oligo	TMEM181
AC009501.	0.000863	0.340997	0.2	0.155	1 Oligo	AC009501.4
TMEM121.7	0.000873	0.183179	0.148	0.104	1 Oligo	TMEM121
RP11-212F	0.000879	0.261225	0.132	0.09	1 Oligo	RP11-212P7.2
MATR3.8	0.00088	-0.15071	0.384	0.49	1 Oligo	MATR3
DUT.7	0.000885	-0.15151	0.353	0.459	1 Oligo	DUT
ALDH18A1.	0.000886	-0.10456	0.04	0.087	1 Oligo	ALDH18A1
GRASP.7	0.00089	-0.12025	0.016	0.053	1 Oligo	GRASP
RP11-138A	0.00089	-0.21377	0.073	0.127	1 Oligo	RP11-138A9.1
KIAA0196.	0.00089	0.219322	0.155	0.109	1 Oligo	KIAA0196
OASL.5	0.000903	-0.11865	0.002	0.03	1 Oligo	OASL
SGCB.6	0.000903	0.268527	0.372	0.324	1 Oligo	SGCB
KLHL4.7	0.000905	0.202493	0.169	0.125	1 Oligo	KLHL4
SYT4.1	0.000908	-0.1013	0	0.025	1 Oligo	SYT4
CCER2.8	0.000915	-0.12742	0.019	0.056	1 Oligo	CCER2
DSTN.9	0.00092	0.221262	0.64	0.617	1 Oligo	DSTN
ANKRD13A.	0.000925	0.26976	0.139	0.095	1 Oligo	ANKRD13A
HKR1.8	0.000926	-0.11274	0.064	0.118	1 Oligo	HKR1
RP11-445F	0.000935	-0.12038	0.002	0.03	1 Oligo	RP11-445F12.1
CD163L1.2	0.000938	-0.12668	0.009	0.041	1 Oligo	CD163L1
EPS8.3	0.00094	0.172845	0.176	0.124	1 Oligo	EPS8
PRIMPOL.1	0.00094	-0.11613	0.04	0.086	1 Oligo	PRIMPOL
PCDHB10.8	0.000944	-0.13929	0.054	0.104	1 Oligo	PCDHB10
SUMF1.3	0.000944	-0.13573	0.08	0.139	1 Oligo	SUMF1
RPS6KA4.8	0.000964	-0.12892	0.068	0.124	1 Oligo	RPS6KA4
LINC00882	0.000966	0.254839	0.056	0.029	1 Oligo	LINC00882
LTB.4	0.000968	-0.18094	0.005	0.034	1 Oligo	LTB
TNRC18.3	0.000972	-0.11588	0.033	0.076	1 Oligo	TNRC18
CDK11B.2	0.000975	-0.11472	0.085	0.145	1 Oligo	CDK11B
FKBP8.4	0.000982	0.223601	0.633	0.646	1 Oligo	FKBP8
ACSM5.4	0.000986	-0.13862	0.005	0.034	1 Oligo	ACSM5
ECHDC3.7	0.000989	-0.11047	0.005	0.034	1 Oligo	ECHDC3
EMD.3	0.001004	-0.13509	0.202	0.287	1 Oligo	EMD
NPPA.6	0.001007	-0.13614	0.002	0.029	1 Oligo	NPPA
FMN1.8	0.001017	-0.12539	0.005	0.033	1 Oligo	FMN1
UBE2B.1	0.001019	-0.11952	0.376	0.489	1 Oligo	UBE2B
ATP9B.1	0.001028	0.191787	0.118	0.077	1 Oligo	ATP9B
MRPS25.3	0.00103	-0.1541	0.186	0.267	1 Oligo	MRPS25
CEACAM4.7	0.001031	-0.10709	0	0.025	1 Oligo	CEACAM4
FAM179B.6	0.001035	0.346277	0.16	0.117	1 Oligo	FAM179B
SLC19A2.1	0.001043	-0.1316	0.012	0.045	1 Oligo	SLC19A2
NME1-NME2	0.001043	-0.10053	0.047	0.095	1 Oligo	NME1-NME2
PRDM2.2	0.001052	0.224014	0.195	0.146	1 Oligo	PRDM2
PLCD1.1	0.001052	-0.10082	0.014	0.049	1 Oligo	PLCD1

PLEK2.6	0.001053	-0.10334	0	0.025	1 Oligo	PLEK2
EXOC4.4	0.001054	-0.10759	0.104	0.166	1 Oligo	EXOC4
ASS1.3	0.001055	-0.1393	0.002	0.029	1 Oligo	ASS1
HOXB-AS1.	0.001063	-0.12924	0.005	0.033	1 Oligo	HOXB-AS1
SSR1.7	0.001076	-0.11396	0.365	0.472	1 Oligo	SSR1
PDZD8	0.001093	0.167741	0.111	0.072	1 Oligo	PDZD8
KB-1507C5	0.001099	-0.11086	0	0.024	1 Oligo	KB-1507C5.4
MSH6.6	0.001121	-0.10947	0.073	0.129	1 Oligo	MSH6
TAOK2.1	0.001124	0.239565	0.132	0.091	1 Oligo	TAOK2
GHDC.5	0.001126	-0.13673	0.047	0.095	1 Oligo	GHDC
MIEN1.2	0.001134	0.248918	0.499	0.484	1 Oligo	MIEN1
HLA-F.9	0.00114	-0.23958	0.092	0.148	1 Oligo	HLA-F
RP5-894A1	0.001146	0.104387	0.049	0.025	1 Oligo	RP5-894A10.2
EIF1AX.6	0.00115	0.246488	0.546	0.56	1 Oligo	EIF1AX
RNF122.1	0.001151	-0.12918	0.007	0.037	1 Oligo	RNF122
DHFRL1.4	0.001151	0.231774	0.101	0.065	1 Oligo	DHFRL1
LIX1.3	0.001164	0.157334	0.042	0.02	1 Oligo	LIX1
FUBP1.8	0.001168	-0.10302	0.155	0.227	1 Oligo	FUBP1
MLXIPL.5	0.001174	-0.15782	0.009	0.04	1 Oligo	MLXIPL
SCAMP5.7	0.001189	0.170019	0.136	0.094	1 Oligo	SCAMP5
COR07.8	0.001192	0.19969	0.209	0.156	1 Oligo	COR07
CLTA.6	0.001192	0.13684	0.595	0.629	1 Oligo	CLTA
MYT1.7	0.001207	-0.12672	0.009	0.04	1 Oligo	MYT1
C1orf228.	0.001207	-0.1253	0.005	0.033	1 Oligo	C1orf228
TNS3.8	0.001211	-0.15414	0.033	0.075	1 Oligo	TNS3
IRAK2.2	0.001215	-0.11256	0.016	0.051	1 Oligo	IRAK2
SPNS3.6	0.001223	-0.12072	0	0.024	1 Oligo	SPNS3
RP11-597D	0.001223	-0.1368	0	0.024	1 Oligo	RP11-597D13.8
CCSAP.4	0.001227	0.212304	0.141	0.098	1 Oligo	CCSAP
GLTSCR1L	0.001246	0.157358	0.061	0.033	1 Oligo	GLTSCR1L
FGFR10P.2	0.001282	-0.10322	0.038	0.082	1 Oligo	FGFR10P
ARHGAP5.6	0.001282	0.226608	0.238	0.192	1 Oligo	ARHGAP5
DNAJA4.5	0.001283	0.103538	0.099	0.06	1 Oligo	DNAJA4
METTL12.2	0.001286	-0.13374	0.104	0.167	1 Oligo	METTL12
PLEKH02.9	0.001298	-0.1781	0.056	0.104	1 Oligo	PLEKH02
OTOA.6	0.001299	-0.11712	0.005	0.033	1 Oligo	OTOA
CST7.5	0.001303	-0.1835	0.007	0.036	1 Oligo	CST7
TMEM87B.5	0.001303	-0.10637	0.028	0.068	1 Oligo	TMEM87B
RRN3.3	0.001326	-0.12655	0.08	0.136	1 Oligo	RRN3
ZNF415.2	0.001333	0.19287	0.059	0.031	1 Oligo	ZNF415
RP11-676J	0.001354	-0.10262	0.005	0.032	1 Oligo	RP11-676J15.1
TRIM58	0.001354	0.150884	0.035	0.016	1 Oligo	TRIM58
PCP4.7	0.001363	-0.16198	0.009	0.04	1 Oligo	PCP4
AC005618.	0.001368	-0.10848	0.012	0.044	1 Oligo	AC005618.6
COPRS.6	0.001378	-0.11427	0.242	0.337	1 Oligo	COPRS
PCSK2.5	0.001392	-0.10407	0.002	0.028	1 Oligo	PCSK2
MAP9.7	0.001392	-0.13152	0.125	0.191	1 Oligo	MAP9
IL12RB1.8	0.001409	-0.13392	0.005	0.032	1 Oligo	IL12RB1
CEP85L.5	0.001413	-0.10362	0.064	0.115	1 Oligo	CEP85L
EMC6.4	0.001414	-0.14007	0.348	0.437	1 Oligo	EMC6
HDDC3.3	0.001414	0.104049	0.089	0.151	1 Oligo	HDDC3

RGMB. 8	0.001415	-0.21849	0.082	0.134	1 Oligo	RGMB
ENAH. 8	0.00142	0.25432	0.304	0.262	1 Oligo	ENAH
RNASE4. 3	0.001434	-0.17138	0.007	0.036	1 Oligo	RNASE4
GGCX. 1	0.001445	-0.13845	0.113	0.177	1 Oligo	GGCX
ACBD5. 4	0.001452	0.256948	0.209	0.166	1 Oligo	ACBD5
PHACTR1. 8	0.001461	-0.2668	0.071	0.119	1 Oligo	PHACTR1
RASGEF1B. 0	0.001464	-0.23578	0.073	0.122	1 Oligo	RASGEF1B
HOXA9. 5	0.001466	-0.10373	0.007	0.036	1 Oligo	HOXA9
KIAA2013. 0	0.001474	0.261768	0.193	0.149	1 Oligo	KIAA2013
TLN1. 9	0.001475	-0.10299	0.205	0.288	1 Oligo	TLN1
NUDT6. 1	0.001506	-0.11861	0.031	0.071	1 Oligo	NUDT6
RBM5. 6	0.001506	-0.12355	0.198	0.281	1 Oligo	RBM5
HDAC4. 1	0.001513	0.164514	0.078	0.046	1 Oligo	HDAC4
AC068535. 0	0.001513	-0.10155	0	0.023	1 Oligo	AC068535.2
SCARB1. 4	0.001517	-0.12294	0.059	0.109	1 Oligo	SCARB1
PPP1R1C. 6	0.001527	-0.11552	0.002	0.027	1 Oligo	PPP1R1C
CHIC1	0.001538	0.123255	0.047	0.024	1 Oligo	CHIC1
TVP23A. 1	0.00154	-0.13062	0.007	0.036	1 Oligo	TVP23A
EAPP. 6	0.00155	0.119683	0.259	0.358	1 Oligo	EAPP
ATP1A2. 6	0.001553	-0.21338	0.026	0.063	1 Oligo	ATP1A2
PIK3CD. 6	0.001559	-0.12412	0.005	0.031	1 Oligo	PIK3CD
DLEU1. 3	0.001566	-0.10194	0.045	0.09	1 Oligo	DLEU1
CNIH1. 4	0.001571	-0.11154	0.282	0.376	1 Oligo	CNIH1
PTPN22. 6	0.001578	-0.1136	0.002	0.027	1 Oligo	PTPN22
CFB. 2	0.001579	-0.10487	0	0.023	1 Oligo	CFB
ZNF26	0.001589	0.100332	0.019	0.006	1 Oligo	ZNF26
KMT2E-AS1	0.001606	-0.12491	0.045	0.089	1 Oligo	KMT2E-AS1
KCNE3. 8	0.001609	-0.1094	0.002	0.027	1 Oligo	KCNE3
PPM1N. 4	0.001614	-0.13458	0.009	0.039	1 Oligo	PPM1N
TNFAIP6. 7	0.001625	-0.16143	0.061	0.111	1 Oligo	TNFAIP6
PAIP2. 2	0.001627	0.239257	0.621	0.631	1 Oligo	PAIP2
PDK2. 4	0.001639	0.21638	0.207	0.163	1 Oligo	PDK2
CYP4V2. 1	0.001647	0.14397	0.087	0.053	1 Oligo	CYP4V2
TPSAB1. 4	0.001648	-0.1537	0	0.023	1 Oligo	TPSAB1
ZFC3H1. 2	0.001652	-0.12657	0.073	0.126	1 Oligo	ZFC3H1
TTL. 4	0.001673	0.303787	0.158	0.116	1 Oligo	TTL
MIR4458HG	0.001677	0.135211	0.214	0.158	1 Oligo	MIR4458HG
TMEM62	0.001681	0.176637	0.071	0.041	1 Oligo	TMEM62
ZNF396	0.001681	0.144395	0.028	0.011	1 Oligo	ZNF396
SC5D. 4	0.001687	0.275851	0.219	0.172	1 Oligo	SC5D
ARHGEF25. 0	0.001695	-0.10712	0.028	0.067	1 Oligo	ARHGEF25
BDH2. 3	0.001718	-0.13554	0.087	0.143	1 Oligo	BDH2
TMEM18. 3	0.00173	0.337636	0.252	0.206	1 Oligo	TMEM18
STEAP1. 4	0.001737	-0.11424	0.002	0.027	1 Oligo	STEAP1
WAC. 3	0.001744	0.274168	0.299	0.262	1 Oligo	WAC
FEM1B. 1	0.001748	0.327526	0.153	0.112	1 Oligo	FEM1B
SLC44A3. 4	0.001771	-0.10347	0.005	0.031	1 Oligo	SLC44A3
CIITA. 5	0.001773	-0.14505	0.009	0.039	1 Oligo	CIITA
NFAM1. 7	0.001775	-0.1331	0.007	0.035	1 Oligo	NFAM1
ABHD1	0.001785	0.192234	0.028	0.011	1 Oligo	ABHD1
FAM21A	0.001787	0.236616	0.04	0.019	1 Oligo	FAM21A

NAF1.6	0.001791	-0.17842	0.064	0.111	1 Oligo	NAF1
ALDH3B1.7	0.001794	-0.12844	0.033	0.073	1 Oligo	ALDH3B1
TRAF2.1	0.001794	0.100345	0.04	0.084	1 Oligo	TRAF2
FRZB.5	0.001795	-0.15311	0.014	0.046	1 Oligo	FRZB
TMEM160.8	0.001817	-0.14236	0.369	0.469	1 Oligo	TMEM160
FAT1.6	0.001822	0.187018	0.099	0.065	1 Oligo	FAT1
RP11-353N	0.001833	-0.10862	0	0.022	1 Oligo	RP11-353N4.5
CHRNE.6	0.001837	-0.11436	0.002	0.027	1 Oligo	CHRNE
PPM1K.4	0.00184	0.392748	0.261	0.223	1 Oligo	PPM1K
CA5A.2	0.001849	0.132416	0.021	0.008	1 Oligo	CA5A
LCMT2	0.001854	0.270864	0.059	0.032	1 Oligo	LCMT2
ROBO3.2	0.001863	-0.12801	0.068	0.118	1 Oligo	ROBO3
TREML1.6	0.001873	-0.11285	0	0.022	1 Oligo	TREML1
SERPINF2.	0.001887	-0.11584	0.002	0.027	1 Oligo	SERPINF2
PRMT7.2	0.00189	-0.1066	0.054	0.102	1 Oligo	PRMT7
BNC2.5	0.001891	-0.11152	0.002	0.027	1 Oligo	BNC2
PEAK1.4	0.001892	0.224587	0.104	0.068	1 Oligo	PEAK1
FAM8A1.4	0.001965	0.159061	0.12	0.082	1 Oligo	FAM8A1
TRMT13.4	0.001966	0.26856	0.179	0.135	1 Oligo	TRMT13
SUSD4.6	0.001978	-0.10602	0.012	0.042	1 Oligo	SUSD4
RNF146.5	0.001996	0.338587	0.294	0.253	1 Oligo	RNF146
HIST1H2BK	0.001999	-0.21082	0.148	0.21	1 Oligo	HIST1H2BK
PSMB5.6	0.002024	0.251747	0.593	0.595	1 Oligo	PSMB5
C11orf1.4	0.002057	-0.12978	0.089	0.147	1 Oligo	C11orf1
CLTC.5	0.002061	0.16333	0.379	0.348	1 Oligo	CLTC
SAMD9.2	0.00207	-0.13473	0.038	0.079	1 Oligo	SAMD9
USP38.1	0.002121	0.125974	0.125	0.085	1 Oligo	USP38
CTSW.4	0.002121	-0.191	0.005	0.03	1 Oligo	CTSW
OPHN1.7	0.002135	-0.10135	0.033	0.072	1 Oligo	OPHN1
ALG14.4	0.002137	0.312443	0.193	0.15	1 Oligo	ALG14
MXD1.6	0.002153	-0.1609	0.08	0.13	1 Oligo	MXD1
ADPRH.5	0.002194	-0.10404	0.007	0.034	1 Oligo	ADPRH
NOVA1.9	0.002208	-0.19827	0.489	0.479	1 Oligo	NOVA1
FAU.7	0.002214	0.114687	0.922	0.959	1 Oligo	FAU
SPSB1.4	0.002242	0.138745	0.104	0.068	1 Oligo	SPSB1
LINC00937	0.002252	-0.12688	0.007	0.034	1 Oligo	LINC00937
GOLGA4.3	0.002266	0.215757	0.372	0.346	1 Oligo	GOLGA4
BANP.3	0.002277	-0.10397	0.04	0.081	1 Oligo	BANP
RAB3IL1.6	0.002277	-0.10721	0.007	0.034	1 Oligo	RAB3IL1
MT1A.6	0.002284	-0.1462	0.005	0.03	1 Oligo	MT1A
SLC2A9.7	0.002289	-0.10576	0.002	0.026	1 Oligo	SLC2A9
TFAP2A.6	0.002302	-0.10575	0.009	0.038	1 Oligo	TFAP2A
LAMTOR4.2	0.002305	0.170374	0.736	0.765	1 Oligo	LAMTOR4
PPP2R2A.5	0.002315	0.339771	0.329	0.299	1 Oligo	PPP2R2A
DHX58.3	0.002338	-0.10623	0.012	0.041	1 Oligo	DHX58
EIF3J.5	0.002369	0.258247	0.398	0.377	1 Oligo	EIF3J
DUSP23.8	0.002382	-0.27874	0.139	0.19	1 Oligo	DUSP23
CYSLTR1.7	0.002396	-0.10731	0.002	0.026	1 Oligo	CYSLTR1
FAM98B.4	0.0024	0.181285	0.132	0.094	1 Oligo	FAM98B
APO05530.	0.002407	-0.12856	0.005	0.03	1 Oligo	APO05530.2
MTMR2.4	0.002418	0.297679	0.184	0.145	1 Oligo	MTMR2

CA3.5	0.002431	-0.2354	0.012	0.041	1 Oligo	CA3
PLA2G4A.5	0.002448	-0.12705	0.007	0.033	1 Oligo	PLA2G4A
PPARG.6	0.002459	-0.10649	0.002	0.026	1 Oligo	PPARG
RPUSD4.1	0.002467	-0.12214	0.054	0.1	1 Oligo	RPUSD4
CD70.2	0.002472	-0.12684	0	0.021	1 Oligo	CD70
RP5-892K4	0.002505	0.129462	0.026	0.01	1 Oligo	RP5-892K4.1
KLHL6.8	0.002511	-0.14684	0.019	0.052	1 Oligo	KLHL6
RECQL5	0.002528	0.181225	0.082	0.051	1 Oligo	RECQL5
TOM1.7	0.002533	-0.12039	0.106	0.162	1 Oligo	TOM1
NEU4.6	0.002534	-0.15542	0.028	0.065	1 Oligo	NEU4
NRDE2.2	0.002548	0.274523	0.136	0.097	1 Oligo	NRDE2
GARNL3.1	0.002564	0.128285	0.056	0.031	1 Oligo	GARNL3
DCAF16.5	0.002569	0.25517	0.158	0.118	1 Oligo	DCAF16
DSEL.9	0.002587	0.190165	0.271	0.223	1 Oligo	DSEL
FGD3.5	0.002617	-0.14401	0.012	0.04	1 Oligo	FGD3
BCL2L15.1	0.002622	0.107737	0.026	0.01	1 Oligo	BCL2L15
RBKS.2	0.002637	-0.11229	0.012	0.041	1 Oligo	RBKS
METTL8.3	0.00265	-0.10487	0.071	0.122	1 Oligo	METTL8
RUNX2.5	0.002652	-0.11252	0.005	0.029	1 Oligo	RUNX2
ASTN2.1	0.002679	0.164653	0.061	0.034	1 Oligo	ASTN2
MT1H.2	0.002693	-0.12122	0	0.021	1 Oligo	MT1H
GPR37L1.8	0.002708	0.267293	0.122	0.083	1 Oligo	GPR37L1
GPHN.5	0.002726	0.235043	0.099	0.065	1 Oligo	GPHN
AC015936.	0.002751	-0.10274	0	0.021	1 Oligo	AC015936.3
PRKCG.5	0.002751	-0.15305	0	0.021	1 Oligo	PRKCG
TLR10.7	0.002752	-0.1043	0.002	0.025	1 Oligo	TLR10
PSMD5-AS1	0.002777	0.278307	0.224	0.18	1 Oligo	PSMD5-AS1
SCML1.4	0.002787	-0.10641	0.052	0.095	1 Oligo	SCML1
SLC10A3.2	0.002797	-0.10293	0.042	0.084	1 Oligo	SLC10A3
KCNK6.7	0.002811	-0.10218	0.012	0.041	1 Oligo	KCNK6
CPED1.6	0.002811	-0.10325	0.007	0.033	1 Oligo	CPED1
PTPN11.3	0.002837	0.29326	0.186	0.147	1 Oligo	PTPN11
AGRN.4	0.002843	0.194105	0.129	0.093	1 Oligo	AGRN
TSLP.5	0.002871	-0.12401	0	0.021	1 Oligo	TSLP
FAM78A.7	0.002875	-0.1413	0.009	0.037	1 Oligo	FAM78A
ADRBK2.7	0.002875	-0.11959	0.021	0.054	1 Oligo	ADRBK2
ZNF706.1	0.002908	0.181521	0.576	0.574	1 Oligo	ZNF706
CP.4	0.00292	-0.12755	0.005	0.029	1 Oligo	CP
PRADC1.7	0.002926	-0.11602	0.151	0.219	1 Oligo	PRADC1
POLR2J3.8	0.002952	0.156163	0.242	0.342	1 Oligo	POLR2J3
TAPT1-AS1	0.002963	0.141526	0.092	0.059	1 Oligo	TAPT1-AS1
RETN.6	0.002997	-0.11085	0	0.02	1 Oligo	RETN
CARD11.7	0.003012	-0.10777	0.005	0.029	1 Oligo	CARD11
GPR137C.6	0.003041	0.143157	0.078	0.048	1 Oligo	GPR137C
HP.4	0.00306	-0.30028	0.002	0.025	1 Oligo	HP
MYO9B.6	0.003063	0.226041	0.306	0.268	1 Oligo	MYO9B
USP40	0.003095	0.122528	0.111	0.074	1 Oligo	USP40
FASTKD1.1	0.003098	-0.1183	0.038	0.077	1 Oligo	FASTKD1
SFXN3.3	0.003098	0.222721	0.151	0.11	1 Oligo	SFXN3
AC023590.	0.003122	0.119065	0.071	0.042	1 Oligo	AC023590.1
C7orf55-L	0.003151	-0.11327	0.256	0.342	1 Oligo	C7orf55-LUC7L2

ZFHx4.8	0.003179	0.319787	0.188	0.15	1 Oligo	ZFHx4
CTA-384D8	0.00319	-0.10079	0.002	0.024	1 Oligo	CTA-384D8.34
CLEC10A.4	0.003195	-0.1121	0	0.02	1 Oligo	CLEC10A
FITM2.1	0.003198	0.20601	0.078	0.048	1 Oligo	FITM2
GTPBP1.4	0.003232	0.243512	0.139	0.1	1 Oligo	GTPBP1
BROX.5	0.00324	0.236153	0.273	0.233	1 Oligo	BROX
RP11-473M	0.003253	0.172419	0.047	0.025	1 Oligo	RP11-473M20.16
ARL5B.5	0.003257	-0.10067	0.047	0.089	1 Oligo	ARL5B
EXOC1.5	0.003269	0.187577	0.292	0.248	1 Oligo	EXOC1
PIGU.6	0.003278	0.367127	0.207	0.17	1 Oligo	PIGU
YIPF4.4	0.0033	0.30463	0.393	0.374	1 Oligo	YIPF4
SLAMF9.5	0.003335	-0.12015	0	0.02	1 Oligo	SLAMF9
ACY3.5	0.003335	-0.12029	0	0.02	1 Oligo	ACY3
LINC00339	0.003367	-0.1036	0.028	0.063	1 Oligo	LINC00339
SEC22A.2	0.003392	-0.11587	0.059	0.103	1 Oligo	SEC22A
NDP.7	0.003414	0.410918	0.146	0.11	1 Oligo	NDP
LINC00599	0.003414	-0.11001	0.009	0.036	1 Oligo	LINC00599
SEL1L.4	0.003421	0.210568	0.214	0.172	1 Oligo	SEL1L
FBN1	0.00343	0.147325	0.056	0.032	1 Oligo	FBN1
SEMA6B.4	0.003443	-0.11385	0.019	0.05	1 Oligo	SEMA6B
THEM4.4	0.003464	0.202735	0.111	0.075	1 Oligo	THEM4
AMACR	0.00348	0.110141	0.028	0.012	1 Oligo	AMACR
RAP2A.1	0.003485	0.158748	0.172	0.13	1 Oligo	RAP2A
PWWP2A.6	0.003528	0.232854	0.165	0.125	1 Oligo	PWWP2A
SRRM4.6	0.003559	-0.1011	0.007	0.032	1 Oligo	SRRM4
PTCRA.5	0.003585	-0.11204	0.002	0.024	1 Oligo	PTCRA
RASSF4.9	0.003592	-0.18331	0.264	0.332	1 Oligo	RASSF4
TGOLN2.7	0.003598	0.297482	0.395	0.372	1 Oligo	TGOLN2
RP11-284F	0.003609	0.158333	0.021	0.008	1 Oligo	RP11-284F21.8
URB1.1	0.003654	0.15595	0.078	0.049	1 Oligo	URB1
PPP1R12C.	0.003683	0.189268	0.118	0.082	1 Oligo	PPP1R12C
ADRBK1.9	0.003685	-0.13144	0.052	0.094	1 Oligo	ADRBK1
TAL1.5	0.003754	-0.16119	0.009	0.035	1 Oligo	TAL1
WSB1.5	0.003783	0.194656	0.635	0.652	1 Oligo	WSB1
GNAI2.9	0.003788	0.174455	0.494	0.482	1 Oligo	GNAI2
ACSL4.7	0.003797	-0.1042	0.045	0.085	1 Oligo	ACSL4
STC2.4	0.003866	-0.13623	0.014	0.042	1 Oligo	STC2
ATG3.7	0.003874	0.278971	0.395	0.376	1 Oligo	ATG3
SZT2	0.003907	0.114892	0.078	0.048	1 Oligo	SZT2
HMGB1.4	0.003923	0.157332	0.861	0.861	1 Oligo	HMGB1
LUZP2.5	0.003927	-0.1006	0.019	0.049	1 Oligo	LUZP2
C16orf89.	0.003959	-0.10501	0	0.019	1 Oligo	C16orf89
RP11-84C1	0.003959	-0.1105	0	0.019	1 Oligo	RP11-84C10.2
AC074289.	0.003979	-0.12773	0.028	0.062	1 Oligo	AC074289.1
AP000439.	0.003983	-0.14715	0.005	0.028	1 Oligo	AP000439.1
TAF13.4	0.003986	0.19216	0.174	0.136	1 Oligo	TAF13
TRIP12.3	0.004032	0.230813	0.202	0.164	1 Oligo	TRIP12
TARS2.1	0.004052	-0.10269	0.066	0.112	1 Oligo	TARS2
ZNF358.7	0.0041	0.223573	0.202	0.163	1 Oligo	ZNF358
ARHGAP17.	0.004103	0.180385	0.118	0.082	1 Oligo	ARHGAP17
CCDC144A.	0.004123	0.183012	0.115	0.081	1 Oligo	CCDC144A

HAAO. 8	0.004142	-0.1072	0.002	0.024	1 Oligo	HAAO
TNRC6A. 5	0.004153	0.395434	0.247	0.213	1 Oligo	TNRC6A
CHURC1. 4	0.004171	0.233478	0.414	0.4	1 Oligo	CHURC1
BIRC3. 5	0.00427	-0.15917	0.031	0.065	1 Oligo	BIRC3
RBPJ. 7	0.004318	0.202722	0.478	0.469	1 Oligo	RBPJ
TCF4. 9	0.004377	-0.11478	0.464	0.525	1 Oligo	TCF4
TLR4. 7	0.004383	-0.1293	0.014	0.042	1 Oligo	TLR4
RNU12. 5	0.004388	-0.16414	0.012	0.038	1 Oligo	RNU12
RP11-792A	0.004425	0.311497	0.247	0.209	1 Oligo	RP11-792A8. 4
ZNF605. 1	0.004449	0.344561	0.108	0.075	1 Oligo	ZNF605
WDR59. 1	0.00445	0.200511	0.144	0.106	1 Oligo	WDR59
EPG5. 1	0.004451	0.230734	0.075	0.047	1 Oligo	EPG5
RP11-11N9	0.004455	-0.1141	0.024	0.055	1 Oligo	RP11-11N9. 4
PIKFYVE. 1	0.004509	0.179383	0.115	0.081	1 Oligo	PIKFYVE
FAM122A. 6	0.004593	-0.11657	0.094	0.145	1 Oligo	FAM122A
SLC7A8. 4	0.004671	-0.14142	0.016	0.045	1 Oligo	SLC7A8
ADAMDEC1.	0.004705	-0.14298	0.012	0.038	1 Oligo	ADAMDEC1
TET2. 4	0.004775	-0.11635	0.049	0.09	1 Oligo	TET2
RARRES3. 4	0.004909	0.189974	0.294	0.242	1 Oligo	RARRES3
ELOVL5. 3	0.005021	0.322242	0.341	0.323	1 Oligo	ELOVL5
DGKD. 1	0.005081	0.181459	0.089	0.059	1 Oligo	DGKD
GALT. 3	0.005097	-0.13463	0.045	0.083	1 Oligo	GALT
HAUS7. 1	0.005162	-0.13231	0.052	0.092	1 Oligo	HAUS7
C14orf2. 4	0.005178	0.153013	0.633	0.655	1 Oligo	C14orf2
TMED7. 2	0.005194	0.199584	0.304	0.27	1 Oligo	TMED7
NCOA4. 9	0.005204	0.217598	0.299	0.261	1 Oligo	NCOA4
ZMAT1. 4	0.005205	0.179378	0.129	0.092	1 Oligo	ZMAT1
PTPN23. 2	0.00521	0.186473	0.108	0.075	1 Oligo	PTPN23
ITIH5	0.005215	0.116411	0.016	0.006	1 Oligo	ITIH5
CNPY2. 7	0.005279	0.246054	0.565	0.569	1 Oligo	CNPY2
PECR. 1	0.00529	-0.11691	0.042	0.08	1 Oligo	PECR
PLEKHM1. 3	0.005371	0.184923	0.106	0.073	1 Oligo	PLEKHM1
ZNF557	0.005373	-0.10986	0.016	0.045	1 Oligo	ZNF557
ARPC5. 8	0.005446	0.204524	0.645	0.673	1 Oligo	ARPC5
ZNF275. 5	0.005456	0.165543	0.085	0.055	1 Oligo	ZNF275
HAGH. 5	0.00565	0.211163	0.374	0.352	1 Oligo	HAGH
RIPPLY2. 4	0.005674	0.178877	0.061	0.037	1 Oligo	RIPPLY2
C21orf33.	0.005689	-0.11568	0.28	0.367	1 Oligo	C21orf33
FKTN. 1	0.005697	0.189179	0.092	0.062	1 Oligo	FKTN
USP48. 4	0.005714	0.283629	0.249	0.213	1 Oligo	USP48
COX19. 4	0.005716	-0.10288	0.169	0.233	1 Oligo	COX19
KPNA6. 3	0.005736	0.308846	0.264	0.233	1 Oligo	KPNA6
FBRS. 2	0.005738	0.193839	0.148	0.112	1 Oligo	FBRS
UCHL1. 7	0.005804	0.180047	0.489	0.434	1 Oligo	UCHL1
PIK3R1. 7	0.005817	-0.12711	0.242	0.31	1 Oligo	PIK3R1
PIK3IP1. 7	0.005843	0.131881	0.212	0.159	1 Oligo	PIK3IP1
FKBP2. 4	0.005855	0.193355	0.593	0.59	1 Oligo	FKBP2
NDUFC2. 3	0.005857	0.196717	0.725	0.754	1 Oligo	NDUFC2
PPP4R2. 3	0.005859	0.310336	0.289	0.26	1 Oligo	PPP4R2
MADD. 1	0.005866	0.158005	0.089	0.059	1 Oligo	MADD
MAGT1. 4	0.005873	0.179272	0.242	0.201	1 Oligo	MAGT1

ING4. 7	0.005892	0.103992	0.191	0.269	1 Oligo	ING4
ACVR2B	0.005986	0.146842	0.049	0.027	1 Oligo	ACVR2B
CSTF2T. 2	0.006015	0.313072	0.155	0.12	1 Oligo	CSTF2T
RP11-452L	0.006037	0.152301	0.021	0.008	1 Oligo	RP11-452L6. 7
TBC1D16. 3	0.006043	-0.10389	0.087	0.135	1 Oligo	TBC1D16
MARK2. 3	0.006091	0.190841	0.16	0.123	1 Oligo	MARK2
FAM171B. 7	0.006249	0.199342	0.146	0.11	1 Oligo	FAM171B
NR1I3	0.006394	0.161229	0.024	0.01	1 Oligo	NR1I3
FAM45A. 3	0.006425	0.338149	0.228	0.19	1 Oligo	FAM45A
HMG3. 5	0.006464	0.315304	0.605	0.609	1 Oligo	HMG3
COL8A1. 1	0.006481	-0.11171	0.002	0.022	1 Oligo	COL8A1
RNASEH2C. 0	0.006506	0.183416	0.398	0.372	1 Oligo	RNASEH2C
KDM3B. 2	0.006519	0.238005	0.144	0.108	1 Oligo	KDM3B
LZTFL1. 3	0.006576	-0.10161	0.04	0.076	1 Oligo	LZTFL1
RP2. 8	0.006602	-0.12073	0.042	0.079	1 Oligo	RP2
HARBI1	0.006864	0.249888	0.068	0.043	1 Oligo	HARBI1
COG3	0.006873	0.17243	0.099	0.068	1 Oligo	COG3
CDC42. 5	0.006877	0.123988	0.602	0.621	1 Oligo	CDC42
CHST3. 6	0.006909	0.22595	0.092	0.063	1 Oligo	CHST3
FAM19A5. 6	0.006939	0.16877	0.073	0.046	1 Oligo	FAM19A5
USF1. 3	0.00696	-0.1237	0.026	0.056	1 Oligo	USF1
LGALS8. 5	0.007021	-0.13258	0.104	0.153	1 Oligo	LGALS8
COPA. 6	0.007039	0.252295	0.336	0.312	1 Oligo	COPA
ASUN. 4	0.007075	0.129787	0.146	0.109	1 Oligo	ASUN
HBEGF. 9	0.007119	-0.20519	0.172	0.217	1 Oligo	HBEGF
NUDT14. 9	0.007143	-0.1601	0.141	0.194	1 Oligo	NUDT14
MYO5A. 4	0.007152	0.198969	0.146	0.111	1 Oligo	MYO5A
ZBTB4. 2	0.007168	0.250939	0.151	0.115	1 Oligo	ZBTB4
TUSC1. 5	0.00721	0.177238	0.111	0.077	1 Oligo	TUSC1
MRO. 5	0.007236	-0.1044	0.002	0.021	1 Oligo	MRO
TBC1D2B. 7	0.007243	-0.13386	0.024	0.053	1 Oligo	TBC1D2B
AATF. 4	0.007245	-0.11391	0.219	0.293	1 Oligo	AATF
AL133245. 0	0.007438	0.119058	0.026	0.012	1 Oligo	AL133245. 2
ISOC1. 5	0.007591	-0.11098	0.113	0.166	1 Oligo	ISOC1
UBA3. 2	0.00763	0.259232	0.278	0.244	1 Oligo	UBA3
AP1G2. 7	0.00772	-0.14518	0.024	0.052	1 Oligo	AP1G2
C5orf45. 5	0.007768	0.105735	0.113	0.17	1 Oligo	C5orf45
RASL11B. 8	0.007803	-0.15981	0.026	0.055	1 Oligo	RASL11B
CANX. 3	0.007847	-0.11305	0.471	0.577	1 Oligo	CANX
PCGF3. 3	0.008022	-0.10381	0.073	0.116	1 Oligo	PCGF3
HSD3B7. 5	0.008053	-0.15079	0.042	0.076	1 Oligo	HSD3B7
WWP2. 3	0.008055	0.159367	0.101	0.07	1 Oligo	WWP2
IFIT5. 4	0.008154	0.183544	0.115	0.082	1 Oligo	IFIT5
ZRANB1. 2	0.008226	0.128901	0.092	0.062	1 Oligo	ZRANB1
CCDC92. 5	0.008238	0.140881	0.134	0.1	1 Oligo	CCDC92
MON1B. 1	0.008315	0.246268	0.139	0.105	1 Oligo	MON1B
SNAI1. 7	0.008487	-0.102	0.019	0.046	1 Oligo	SNAI1
RP11-166F	0.008537	0.106063	0.04	0.021	1 Oligo	RP11-166P13. 3
IRGQ. 5	0.00855	0.227157	0.118	0.086	1 Oligo	IRGQ
PSMD10	0.008643	0.322801	0.209	0.176	1 Oligo	PSMD10
TMBIM1. 6	0.00886	0.232178	0.282	0.243	1 Oligo	TMBIM1



PPARD. 8	0.009005	-0.10201	0.068	0.11	1 Oligo	PPARD
P2RY12. 5	0.009032	-0.11287	0.002	0.02	1 Oligo	P2RY12
TMIGD2. 5	0.009058	-0.11959	0.002	0.02	1 Oligo	TMIGD2
NUDT18. 2	0.00924	0.217964	0.061	0.037	1 Oligo	NUDT18
BBS10. 3	0.009244	0.140796	0.08	0.053	1 Oligo	BBS10
FAM66C. 3	0.009261	0.146032	0.066	0.041	1 Oligo	FAM66C
PANK3. 2	0.009321	0.175175	0.146	0.113	1 Oligo	PANK3
SZRD1. 4	0.009421	-0.15029	0.202	0.267	1 Oligo	SZRD1
AGA. 3	0.00948	0.330632	0.188	0.152	1 Oligo	AGA
SETDB2. 1	0.009588	-0.10092	0.028	0.058	1 Oligo	SETDB2
RAB7A. 3	0.009721	0.136875	0.628	0.66	1 Oligo	RAB7A
LRRFIP2. 4	0.009921	0.271841	0.219	0.186	1 Oligo	LRRFIP2
TSC2. 5	0.009971	0.168136	0.169	0.134	1 Oligo	TSC2
DNAAF1. 5	0.009995	-0.11431	0.007	0.028	1 Oligo	DNAAF1
DLL3. 9	0	1.331082	0.669	0.109	0 Opc-G	DLL3
HES6. 8	0	1.295178	0.79	0.252	0 Opc-G	HES6
NKAIN4. 7	0	1.101077	0.496	0.075	0 Opc-G	NKAIN4
DLL1. 6	0	0.943794	0.419	0.048	0 Opc-G	DLL1
CA10. 5	0	0.717357	0.268	0.016	0 Opc-G	CA10
ASCL1. 9	#####	1.091838	0.665	0.154	##### Opc-G	ASCL1
VIPR2. 9	#####	0.939699	0.445	0.058	##### Opc-G	VIPR2
OLIG2. 9	#####	1.242434	0.628	0.148	##### Opc-G	OLIG2
RP11-676J	#####	0.630872	0.257	0.016	##### Opc-G	RP11-676J15. 1
TMEM100. 1	#####	0.902835	0.447	0.065	##### Opc-G	TMEM100
OLIG1. 10	#####	1.176474	0.623	0.15	##### Opc-G	OLIG1
NEU4. 7	#####	0.857645	0.365	0.043	##### Opc-G	NEU4
BCAN. 10	#####	1.196766	0.74	0.245	##### Opc-G	BCAN
SOX8. 10	#####	1.0652	0.597	0.149	##### Opc-G	SOX8
GLCCI1. 9	#####	0.998469	0.557	0.124	##### Opc-G	GLCCI1
SHD. 9	#####	0.941474	0.51	0.1	##### Opc-G	SHD
TNR. 7	#####	0.798434	0.325	0.037	##### Opc-G	TNR
FXYD6. 10	#####	0.819257	0.921	0.43	##### Opc-G	FXYD6
NOVA1. 10	#####	0.820295	0.918	0.45	##### Opc-G	NOVA1
BEST3. 8	#####	0.938816	0.399	0.066	##### Opc-G	BEST3
ASIC4. 9	#####	0.884314	0.525	0.114	##### Opc-G	ASIC4
CCND2. 10	#####	1.007808	0.742	0.299	##### Opc-G	CCND2
SCD5. 9	#####	0.86715	0.796	0.367	##### Opc-G	SCD5
RP11-161M	#####	1.002507	0.538	0.142	##### Opc-G	RP11-161M6. 2
PTPRZ1. 10	#####	0.845706	0.813	0.356	##### Opc-G	PTPRZ1
DSEL. 10	#####	0.976191	0.612	0.199	##### Opc-G	DSEL
FERMT1. 7	#####	0.747618	0.28	0.034	##### Opc-G	FERMT1
CSPG5. 9	#####	0.848667	0.426	0.087	##### Opc-G	CSPG5
RAB3IP. 7	#####	1.001604	0.643	0.22	##### Opc-G	RAB3IP
MARCKSL1. 10	#####	0.754818	0.915	0.52	##### Opc-G	MARCKSL1
CCER2. 9	#####	0.665289	0.291	0.039	##### Opc-G	CCER2
SOX4. 9	#####	0.860488	0.858	0.418	##### Opc-G	SOX4
CACNA1A. 9	#####	0.726679	0.392	0.076	##### Opc-G	CACNA1A
COL20A1	#####	0.409144	0.149	0.009	##### Opc-G	COL20A1
MEG3. 9	#####	0.786839	0.745	0.275	##### Opc-G	MEG3
RP11-849I	#####	0.874076	0.445	0.111	##### Opc-G	RP11-849I19. 1
GSX1	#####	0.504106	0.167	0.012	##### Opc-G	GSX1

NROB1	#####	0.242514	0.096	0.002	#####	Opc-G	NROB1
RFTN2.10	#####	0.743963	0.443	0.106	#####	Opc-G	RFTN2
LHFPL3.1C	#####	0.905885	0.413	0.1	#####	Opc-G	LHFPL3
NPPA.7	#####	0.580759	0.19	0.018	#####	Opc-G	NPPA
GPM6A.9	#####	0.619419	0.913	0.477	#####	Opc-G	GPM6A
TUBB2B.9	#####	0.629534	0.962	0.528	#####	Opc-G	TUBB2B
S100B.9	#####	0.62755	0.895	0.503	#####	Opc-G	S100B
SRI.9	#####	0.476651	0.981	0.712	#####	Opc-G	SRI
CMTM5.8	#####	0.604673	0.389	0.08	#####	Opc-G	CMTM5
MEST.9	#####	0.760056	0.739	0.363	#####	Opc-G	MEST
FXYD7.9	#####	0.734965	0.322	0.062	#####	Opc-G	FXYD7
SCRG1.9	#####	0.766209	0.704	0.322	#####	Opc-G	SCRG1
EYA1	#####	0.408181	0.173	0.017	#####	Opc-G	EYA1
LRRN1.9	#####	0.737507	0.373	0.088	#####	Opc-G	LRRN1
S100A11.1	#####	-1.35954	0.191	0.688	#####	Opc-G	S100A11
RASL11B.9	#####	0.714259	0.258	0.04	#####	Opc-G	RASL11B
MLLT11.8	#####	0.647512	0.857	0.427	#####	Opc-G	MLLT11
AC004540.	#####	0.670796	0.419	0.103	#####	Opc-G	AC004540.4
PFN2.8	#####	0.671516	0.795	0.41	#####	Opc-G	PFN2
LAPTM4B.1	#####	0.761136	0.676	0.308	#####	Opc-G	LAPTM4B
CKB.10	#####	0.590192	0.94	0.558	#####	Opc-G	CKB
AGAP2-AS1	#####	0.810278	0.348	0.078	#####	Opc-G	AGAP2-AS1
KLRC2.9	#####	0.702699	0.384	0.091	#####	Opc-G	KLRC2
OR4N2.1	#####	0.295613	0.109	0.006	#####	Opc-G	OR4N2
RP11-231C	#####	0.331398	0.109	0.006	#####	Opc-G	RP11-231C18.1
SCG3.10	#####	0.75484	0.631	0.242	#####	Opc-G	SCG3
C1orf61.8	#####	0.628274	0.873	0.512	#####	Opc-G	C1orf61
MAP2.10	#####	0.728169	0.683	0.315	#####	Opc-G	MAP2
CDKN2A.4	#####	0.780685	0.359	0.085	#####	Opc-G	CDKN2A
RHOBTB3.1	#####	0.675596	0.734	0.387	#####	Opc-G	RHOBTB3
CENPV.9	#####	0.77088	0.582	0.233	#####	Opc-G	CENPV
ARHGEF25.	#####	0.62305	0.273	0.052	#####	Opc-G	ARHGEF25
AC114730.	#####	0.527871	0.171	0.019	#####	Opc-G	AC114730.3
BEX1.9	#####	0.695459	0.724	0.326	#####	Opc-G	BEX1
PCDH15.1	#####	0.294278	0.117	0.008	#####	Opc-G	PCDH15
ETV1.10	#####	0.966421	0.534	0.225	#####	Opc-G	ETV1
MASP1.6	#####	0.453676	0.206	0.029	#####	Opc-G	MASP1
GPC2.10	#####	0.672706	0.481	0.147	#####	Opc-G	GPC2
AGAP2.6	#####	0.550821	0.247	0.043	#####	Opc-G	AGAP2
ELAVL4.9	#####	0.632308	0.523	0.156	#####	Opc-G	ELAVL4
SERPINE2.	#####	0.721038	0.63	0.271	#####	Opc-G	SERPINE2
PODXL2.1C	#####	0.70057	0.639	0.286	#####	Opc-G	PODXL2
PITX2.2	#####	0.379177	0.168	0.019	#####	Opc-G	PITX2
LMO1.9	#####	0.620537	0.291	0.06	#####	Opc-G	LMO1
OMG.8	#####	0.539704	0.307	0.064	#####	Opc-G	OMG
EGR1.7	#####	0.64693	0.796	0.476	#####	Opc-G	EGR1
C7orf55.8	#####	0.601794	0.757	0.401	#####	Opc-G	C7orf55
NRXN1.9	#####	0.67625	0.467	0.143	#####	Opc-G	NRXN1
FAM181B.8	#####	0.730516	0.504	0.183	#####	Opc-G	FAM181B
SOX2.10	#####	0.601446	0.788	0.405	#####	Opc-G	SOX2
TENM3	#####	0.330657	0.145	0.014	#####	Opc-G	TENM3

B4GALNT1.	#####	0.829646	0.41	0.125	#####	Opc-G	B4GALNT1
C1QL1.8	#####	0.732363	0.357	0.098	#####	Opc-G	C1QL1
MDK.9	#####	0.514957	0.84	0.468	#####	Opc-G	MDK
NTM.8	#####	0.63471	0.367	0.094	#####	Opc-G	NTM
DSCAM.7	#####	0.585953	0.283	0.06	#####	Opc-G	DSCAM
TFAP2B.6	#####	0.397855	0.165	0.02	#####	Opc-G	TFAP2B
CLIC1.8	#####	-1.06517	0.221	0.649	#####	Opc-G	CLIC1
NPC2.9	#####	-1.09736	0.327	0.716	#####	Opc-G	NPC2
PCSK1N.9	#####	0.619508	0.783	0.396	#####	Opc-G	PCSK1N
SMOC1.5	#####	0.499724	0.18	0.025	#####	Opc-G	SMOC1
ARC.8	#####	0.76771	0.511	0.188	#####	Opc-G	ARC
DTX3.6	#####	0.908842	0.538	0.236	#####	Opc-G	DTX3
IFITM10.5	#####	0.61951	0.388	0.108	#####	Opc-G	IFITM10
RP5-1177M	#####	0.541006	0.212	0.034	#####	Opc-G	RP5-1177M21.1
CHD7.9	#####	0.686787	0.601	0.268	#####	Opc-G	CHD7
TSC22D1.9	#####	0.519759	0.869	0.488	#####	Opc-G	TSC22D1
CRMP1.9	#####	0.64157	0.604	0.243	#####	Opc-G	CRMP1
PDGFRA.9	#####	0.946063	0.398	0.132	#####	Opc-G	PDGFRA
ZDHHC22.7	#####	0.455015	0.202	0.033	#####	Opc-G	ZDHHC22
BTBD17.9	#####	0.521374	0.225	0.04	#####	Opc-G	BTBD17
HLA-E.10	#####	-1.08581	0.186	0.623	#####	Opc-G	HLA-E
HOXA10.1C	#####	0.522661	0.287	0.063	#####	Opc-G	HOXA10
PHF14.9	#####	0.588253	0.736	0.402	#####	Opc-G	PHF14
GPR17.1	#####	0.348774	0.107	0.008	#####	Opc-G	GPR17
NFIB.10	#####	0.611639	0.72	0.355	1.31E-99	Opc-G	NFIB
TSC22D4.1	#####	0.562414	0.787	0.449	1.75E-98	Opc-G	TSC22D4
GSN.9	#####	-1.17909	0.116	0.536	3.43E-98	Opc-G	GSN
B3GALT2.4	#####	0.388753	0.175	0.025	4.77E-98	Opc-G	B3GALT2
STMN4.9	#####	0.609829	0.652	0.283	2.49E-96	Opc-G	STMN4
PHACTR3.9	#####	0.505758	0.281	0.064	3.56E-96	Opc-G	PHACTR3
TUBA1A.9	#####	0.333572	0.995	0.795	7.31E-96	Opc-G	TUBA1A
THY1.8	1.19E-99	0.641231	0.541	0.237	1.78E-95	Opc-G	THY1
TSPAN7.8	1.08E-98	0.598149	0.624	0.289	1.61E-94	Opc-G	TSPAN7
SOX11.9	1.17E-98	0.644375	0.587	0.251	1.75E-94	Opc-G	SOX11
MYT1.8	1.96E-98	0.434535	0.184	0.029	2.93E-94	Opc-G	MYT1
CSPG4	2.25E-98	0.373763	0.158	0.022	3.36E-94	Opc-G	CSPG4
KCNQ2.9	3.43E-98	0.653495	0.49	0.197	5.13E-94	Opc-G	KCNQ2
UCHL1.8	4.56E-98	0.52522	0.79	0.413	6.82E-94	Opc-G	UCHL1
GDAP1L1.9	6.51E-98	0.576018	0.325	0.086	9.74E-94	Opc-G	GDAP1L1
KCNQ10T1.1	1.06E-97	0.642204	0.577	0.258	1.58E-93	Opc-G	KCNQ10T1
POLR2F.7	1.22E-97	0.472352	0.801	0.525	1.82E-93	Opc-G	POLR2F
FAM212B.8	1.26E-97	0.580191	0.311	0.085	1.88E-93	Opc-G	FAM212B
MARCH9.9	1.49E-97	0.863773	0.393	0.138	2.22E-93	Opc-G	9-Mar
CNTN1.3	4.01E-97	0.428169	0.183	0.029	5.99E-93	Opc-G	CNTN1
RP11-277F	5.87E-97	0.562942	0.25	0.055	8.77E-93	Opc-G	RP11-277F12.20
HLA-DRB1.9	7.6E-97	-1.34159	0.19	0.556	1.46E-92	Opc-G	HLA-DRB1
PAX3	1.20E-96	0.251574	0.104	0.009	1.79E-92	Opc-G	PAX3
ODC1.9	1.17E-95	0.643141	0.654	0.376	1.75E-91	Opc-G	ODC1
DBN1.10	2.39E-95	0.613009	0.612	0.291	3.58E-91	Opc-G	DBN1
EGFR.9	1.17E-94	0.639477	0.611	0.279	1.75E-90	Opc-G	EGFR
CCT2.5	2.00E-94	0.644196	0.776	0.53	2.99E-90	Opc-G	CCT2

NFIA. 9	5. 63E-94	0. 559065	0. 691	0. 358	8. 41E-90	Opc-G	NFIA
ACAP3. 10	6. 95E-94	0. 670831	0. 478	0. 198	1. 04E-89	Opc-G	ACAP3
SEZ6L. 9	1. 08E-93	0. 63807	0. 37	0. 119	1. 62E-89	Opc-G	SEZ6L
TSPAN12. 8	6. 83E-93	0. 592687	0. 343	0. 105	1. 02E-88	Opc-G	TSPAN12
ATP1A3. 9	1. 25E-92	0. 550115	0. 361	0. 105	1. 87E-88	Opc-G	ATP1A3
GADD45G. 9	3. 81E-92	0. 655246	0. 56	0. 235	5. 69E-88	Opc-G	GADD45G
CADM2. 9	5. 13E-92	0. 610674	0. 458	0. 17	7. 66E-88	Opc-G	CADM2
PCSK2. 6	1. 85E-91	0. 420912	0. 145	0. 019	2. 76E-87	Opc-G	PCSK2
NKX2-2. 9	4. 65E-91	0. 546409	0. 402	0. 13	6. 95E-87	Opc-G	NKX2-2
CDK4. 5	6. 03E-91	0. 732066	0. 699	0. 47	9. 01E-87	Opc-G	CDK4
MBD6. 5	8. 85E-91	0. 723007	0. 372	0. 124	1. 32E-86	Opc-G	MBD6
HLA-C. 6	9. 85E-91	-0. 67321	0. 578	0. 818	1. 47E-86	Opc-G	HLA-C
AVIL. 8	1. 39E-90	0. 571493	0. 288	0. 076	2. 08E-86	Opc-G	AVIL
SLC22A17. 1	1. 87E-90	0. 634027	0. 559	0. 266	2. 80E-86	Opc-G	SLC22A17
DGKB. 3	2. 09E-90	0. 4025	0. 161	0. 024	3. 12E-86	Opc-G	DGKB
JPH4. 7	2. 81E-90	0. 438778	0. 231	0. 048	4. 20E-86	Opc-G	JPH4
HOXB8. 1	3. 02E-90	0. 281997	0. 115	0. 012	4. 51E-86	Opc-G	HOXB8
TRAF4. 9	3. 45E-90	0. 704427	0. 523	0. 252	5. 16E-86	Opc-G	TRAF4
NELL2. 8	5. 52E-90	0. 572534	0. 318	0. 092	8. 25E-86	Opc-G	NELL2
MAGED1. 9	5. 62E-90	0. 563553	0. 63	0. 326	8. 40E-86	Opc-G	MAGED1
NCAM1. 10	6. 14E-90	0. 565491	0. 635	0. 315	9. 17E-86	Opc-G	NCAM1
SAT1. 8	1. 17E-89	-0. 81263	0. 598	0. 816	1. 75E-85	Opc-G	SAT1
CLIP2. 9	1. 99E-89	0. 613155	0. 425	0. 16	2. 98E-85	Opc-G	CLIP2
ANXA2. 8	1. 07E-88	-1. 12032	0. 15	0. 538	1. 60E-84	Opc-G	ANXA2
CTSB. 7	4. 58E-88	-0. 83044	0. 514	0. 773	6. 85E-84	Opc-G	CTSB
POU4F1. 1	1. 22E-87	0. 317806	0. 135	0. 017	1. 82E-83	Opc-G	POU4F1
ZBTB20. 8	4. 80E-87	0. 564954	0. 672	0. 366	7. 17E-83	Opc-G	ZBTB20
FCGRT. 9	7. 39E-87	-1. 05325	0. 201	0. 573	1. 10E-82	Opc-G	FCGRT
ARPC1B. 1C	7. 46E-87	-1. 05679	0. 189	0. 554	1. 12E-82	Opc-G	ARPC1B
HLA-DPA1. 7	6. 64E-87	-1. 23015	0. 214	0. 554	1. 14E-82	Opc-G	HLA-DPA1
STMN1. 9	7. 67E-87	0. 400309	0. 936	0. 61	1. 15E-82	Opc-G	STMN1
HLA-DPB1. 8	5. 53E-87	-1. 2806	0. 165	0. 516	1. 28E-82	Opc-G	HLA-DPB1
NGFRAP1. 9	1. 30E-86	0. 349312	0. 971	0. 622	1. 95E-82	Opc-G	NGFRAP1
SGCE. 7	1. 42E-86	0. 447759	0. 399	0. 129	2. 12E-82	Opc-G	SGCE
FSCN1. 9	5. 46E-86	0. 531785	0. 74	0. 488	8. 16E-82	Opc-G	FSCN1
MYL12A. 9	1. 94E-85	-0. 97948	0. 198	0. 567	2. 90E-81	Opc-G	MYL12A
ZNF462. 9	1. 61E-84	0. 641803	0. 413	0. 161	2. 41E-80	Opc-G	ZNF462
SALL3. 5	1. 67E-84	0. 38429	0. 176	0. 032	2. 50E-80	Opc-G	SALL3
AMOTL2. 7	2. 14E-84	0. 469389	0. 268	0. 069	3. 20E-80	Opc-G	AMOTL2
SGCB. 7	2. 63E-84	0. 61189	0. 585	0. 308	3. 93E-80	Opc-G	SGCB
MDFI. 7	2. 88E-84	0. 557491	0. 275	0. 075	4. 31E-80	Opc-G	MDFI
HLA-DRB5. 2	4. 8E-83	-1. 46009	0. 059	0. 422	3. 71E-79	Opc-G	HLA-DRB5
NDRG2. 7	3. 23E-83	0. 524543	0. 673	0. 338	4. 83E-79	Opc-G	NDRG2
NCAN. 8	5. 50E-83	0. 472582	0. 268	0. 067	8. 22E-79	Opc-G	NCAN
TNK2. 5	6. 18E-83	0. 627886	0. 34	0. 113	9. 23E-79	Opc-G	TNK2
CRIP2. 8	8. 39E-83	0. 599669	0. 582	0. 296	1. 25E-78	Opc-G	CRIP2
METTL1. 7	1. 32E-82	0. 68915	0. 369	0. 133	1. 98E-78	Opc-G	METTL1
HLA-DRA. 9	1. 49E-82	-1. 07476	0. 38	0. 65	2. 23E-78	Opc-G	HLA-DRA
UBE2E3. 9	1. 92E-82	0. 491706	0. 728	0. 442	2. 86E-78	Opc-G	UBE2E3
BEX2. 9	3. 51E-82	0. 547958	0. 552	0. 237	5. 25E-78	Opc-G	BEX2
CD68. 10	3. 67E-82	-1. 25045	0. 113	0. 463	5. 48E-78	Opc-G	CD68

MARCKS. 7	4. 15E-82	0. 417002	0. 833	0. 582	6. 20E-78	Opc-G	MARCKS
TSPAN3. 8	5. 75E-82	0. 485392	0. 708	0. 443	8. 59E-78	Opc-G	TSPAN3
SOX6. 9	1. 25E-81	0. 636281	0. 359	0. 127	1. 87E-77	Opc-G	SOX6
GSTA4. 9	1. 52E-81	0. 547293	0. 572	0. 271	2. 28E-77	Opc-G	GSTA4
AIF1. 10	3. 58E-81	-1. 38143	0. 086	0. 432	5. 35E-77	Opc-G	AIF1
LDHB. 6	1. 03E-80	0. 287542	0. 978	0. 765	1. 54E-76	Opc-G	LDHB
TSM. 7	1. 23E-80	0. 718194	0. 518	0. 26	1. 84E-76	Opc-G	TSM
NTN4. 1	1. 32E-80	0. 268533	0. 113	0. 013	1. 98E-76	Opc-G	NTN4
HOXA2. 9	1. 43E-80	0. 447752	0. 249	0. 06	2. 13E-76	Opc-G	HOXA2
DBI. 9	1. 60E-80	0. 236976	0. 992	0. 833	2. 40E-76	Opc-G	DBI
CSNK1E. 9	1. 90E-80	0. 581879	0. 566	0. 289	2. 84E-76	Opc-G	CSNK1E
RAMP1. 9	1. 91E-80	0. 386331	0. 734	0. 39	2. 86E-76	Opc-G	RAMP1
NXPH1. 10	6. 52E-80	0. 64045	0. 348	0. 122	9. 75E-76	Opc-G	NXPH1
SNX22. 2	2. 03E-79	0. 41786	0. 232	0. 054	3. 04E-75	Opc-G	SNX22
IFITM3. 5	8. 84E-79	-0. 9783	0. 139	0. 527	1. 32E-74	Opc-G	IFITM3
MEX3A. 9	9. 19E-79	0. 575493	0. 417	0. 162	1. 37E-74	Opc-G	MEX3A
ABAT. 10	1. 55E-78	0. 58449	0. 385	0. 145	2. 32E-74	Opc-G	ABAT
SLC8A3	2. 75E-78	0. 212806	0. 075	0. 005	4. 11E-74	Opc-G	SLC8A3
LAPTM5. 10	3. 60E-78	-1. 28798	0. 127	0. 456	5. 38E-74	Opc-G	LAPTM5
XRCC6BP1. 6	3. 67E-78	0. 488452	0. 258	0. 068	5. 49E-74	Opc-G	XRCC6BP1
SRPK2. 7	5. 61E-78	0. 520247	0. 676	0. 393	8. 38E-74	Opc-G	SRPK2
CD44. 7	5. 72E-78	-1. 1436	0. 046	0. 405	8. 55E-74	Opc-G	CD44
LNX1. 7	9. 00E-78	0. 562924	0. 232	0. 058	1. 34E-73	Opc-G	LNX1
TOX3. 8	1. 73E-77	0. 474859	0. 234	0. 056	2. 58E-73	Opc-G	TOX3
HLA-A. 8	1. 79E-77	-0. 5544	0. 705	0. 909	2. 68E-73	Opc-G	HLA-A
CAPG. 10	2. 54E-77	-1. 12953	0. 086	0. 436	3. 80E-73	Opc-G	CAPG
NUP107. 9	3. 73E-77	0. 785244	0. 455	0. 208	5. 58E-73	Opc-G	NUP107
ST6GAL2. 6	4. 21E-77	0. 393169	0. 161	0. 029	6. 29E-73	Opc-G	ST6GAL2
RAB33A. 8	4. 69E-77	0. 511518	0. 307	0. 093	7. 01E-73	Opc-G	RAB33A
KIF5A. 8	1. 46E-76	0. 60081	0. 327	0. 108	2. 18E-72	Opc-G	KIF5A
FRS2. 7	1. 54E-76	0. 656977	0. 306	0. 098	2. 31E-72	Opc-G	FRS2
CADM4. 9	1. 67E-76	0. 559988	0. 512	0. 247	2. 50E-72	Opc-G	CADM4
ZFPM2. 4	2. 00E-76	0. 401777	0. 138	0. 021	2. 99E-72	Opc-G	ZFPM2
CBX3. 8	4. 11E-76	0. 411825	0. 776	0. 539	6. 14E-72	Opc-G	CBX3
PHYHIPL. 8	8. 53E-76	0. 552365	0. 43	0. 169	1. 28E-71	Opc-G	PHYHIPL
YWHAQ. 9	4. 34E-75	0. 367808	0. 885	0. 627	6. 48E-71	Opc-G	YWHAQ
NEAT1. 7	4. 34E-75	-0. 65422	0. 519	0. 779	6. 49E-71	Opc-G	NEAT1
CNTFR. 9	4. 86E-75	0. 528707	0. 337	0. 116	7. 26E-71	Opc-G	CNTFR
SUB1. 8	4. 94E-75	0. 26845	0. 94	0. 744	7. 38E-71	Opc-G	SUB1
MAGEH1. 9	5. 31E-75	0. 538	0. 586	0. 3	7. 94E-71	Opc-G	MAGEH1
FCER1G. 10	5. 42E-75	-1. 28551	0. 139	0. 462	8. 10E-71	Opc-G	FCER1G
HLA-DMA. 1	5. 42E-75	-1. 22523	0. 094	0. 429	8. 10E-71	Opc-G	HLA-DMA
CRB1. 6	1. 19E-74	0. 469262	0. 228	0. 057	1. 77E-70	Opc-G	CRB1
A2M. 8	1. 73E-74	-1. 07787	0. 138	0. 485	2. 58E-70	Opc-G	A2M
CXXC4. 8	2. 87E-74	0. 463387	0. 247	0. 066	4. 28E-70	Opc-G	CXXC4
NTRK3. 6	4. 06E-74	0. 442257	0. 223	0. 056	6. 07E-70	Opc-G	NTRK3
PIK3R1. 8	4. 85E-74	0. 574253	0. 561	0. 29	7. 25E-70	Opc-G	PIK3R1
HOXA9. 6	7. 18E-74	0. 316783	0. 154	0. 027	1. 07E-69	Opc-G	HOXA9
GPM6B. 10	1. 03E-73	0. 284868	0. 952	0. 596	1. 54E-69	Opc-G	GPM6B
STMN2. 10	1. 36E-73	0. 60802	0. 451	0. 169	2. 03E-69	Opc-G	STMN2
NFIX. 9	1. 54E-73	0. 574015	0. 592	0. 315	2. 30E-69	Opc-G	NFIX

SLC35E3. 8	1. 89E-73	0. 706263	0. 411	0. 172	2. 82E-69	Opc-G	SLC35E3
CTTNBP2. 8	3. 28E-73	0. 53068	0. 351	0. 122	4. 90E-69	Opc-G	CTTNBP2
RP11-620J	7. 76E-73	0. 685182	0. 503	0. 254	1. 16E-68	Opc-G	RP11-620J15. 3
CTSS. 10	1. 19E-72	-1. 21598	0. 045	0. 375	1. 78E-68	Opc-G	CTSS
MAGI2. 9	1. 26E-72	0. 482118	0. 295	0. 092	1. 89E-68	Opc-G	MAGI2
SOD2. 6	1. 43E-72	-1. 09918	0. 227	0. 557	2. 13E-68	Opc-G	SOD2
BST2. 9	2. 18E-72	-0. 86651	0. 127	0. 51	3. 25E-68	Opc-G	BST2
MCM7. 9	2. 97E-72	0. 56882	0. 505	0. 237	4. 43E-68	Opc-G	MCM7
HOTAIRM1.	3. 20E-72	0. 49651	0. 43	0. 165	4. 78E-68	Opc-G	HOTAIRM1
BCHE. 7	4. 24E-72	0. 560877	0. 413	0. 171	6. 34E-68	Opc-G	BCHE
MIAT. 9	4. 86E-72	0. 496091	0. 406	0. 152	7. 26E-68	Opc-G	MIAT
HLA-B. 7	5. 42E-72	-0. 58448	0. 702	0. 862	8. 10E-68	Opc-G	HLA-B
RIC3. 7	1. 40E-71	0. 5046	0. 48	0. 214	2. 10E-67	Opc-G	RIC3
CEBPB. 10	1. 48E-71	-0. 89218	0. 113	0. 456	2. 22E-67	Opc-G	CEBPB
KCTD16	2. 61E-71	0. 276543	0. 102	0. 012	3. 89E-67	Opc-G	KCTD16
SEPT2. 3	3. 02E-71	0. 356779	0. 795	0. 567	4. 51E-67	Opc-G	2-Sep
GALNT13. 6	4. 49E-71	0. 41303	0. 173	0. 035	6. 71E-67	Opc-G	GALNT13
CXCL16. 9	5. 48E-71	-0. 93309	0. 13	0. 475	8. 19E-67	Opc-G	CXCL16
HOXB7. 3	5. 96E-71	0. 382719	0. 214	0. 051	8. 90E-67	Opc-G	HOXB7
SRGN. 10	8. 14E-71	-1. 17193	0. 234	0. 517	1. 22E-66	Opc-G	SRGN
LPAR4	1. 17E-70	0. 230745	0. 085	0. 008	1. 74E-66	Opc-G	LPAR4
RPAIN. 8	1. 20E-70	0. 437518	0. 742	0. 468	1. 80E-66	Opc-G	RPAIN
ARHGDI1. 1	1. 21E-70	-1. 26068	0. 075	0. 391	1. 81E-66	Opc-G	ARHGDI1
ACO09506.	2. 33E-70	0. 535748	0. 247	0. 07	3. 49E-66	Opc-G	ACO09506. 1
VAMP8. 10	2. 92E-70	-1. 26547	0. 045	0. 363	4. 37E-66	Opc-G	VAMP8
GRIA2. 9	4. 54E-70	0. 573537	0. 444	0. 196	6. 79E-66	Opc-G	GRIA2
ALOX5AP. 1	4. 67E-70	-1. 27009	0. 107	0. 419	6. 98E-66	Opc-G	ALOX5AP
CTSC. 10	6. 18E-70	-1. 13245	0. 081	0. 404	9. 24E-66	Opc-G	CTSC
ANTXR1. 6	6. 27E-70	0. 485794	0. 262	0. 079	9. 37E-66	Opc-G	ANTXR1
APEX1. 2	6. 39E-70	0. 378606	0. 78	0. 521	9. 55E-66	Opc-G	APEX1
GLIPR1. 9	7. 61E-70	-1. 0217	0. 029	0. 355	1. 14E-65	Opc-G	GLIPR1
CNPY2. 8	8. 25E-70	0. 341464	0. 807	0. 553	1. 23E-65	Opc-G	CNPY2
RGS10. 10	8. 57E-70	-1. 2064	0. 042	0. 362	1. 28E-65	Opc-G	RGS10
TCEAL2. 8	1. 03E-69	0. 534004	0. 422	0. 163	1. 53E-65	Opc-G	TCEAL2
TSPAN13. 1	1. 14E-69	0. 488602	0. 586	0. 28	1. 70E-65	Opc-G	TSPAN13
TCF12. 9	1. 51E-69	0. 525743	0. 527	0. 268	2. 26E-65	Opc-G	TCF12
VSIG4. 10	2. 43E-69	-1. 31064	0. 07	0. 385	3. 64E-65	Opc-G	VSIG4
KMT2E. 8	2. 44E-69	0. 420296	0. 769	0. 522	3. 65E-65	Opc-G	KMT2E
APOD. 9	3. 83E-69	0. 336469	0. 407	0. 144	5. 72E-65	Opc-G	APOD
PCDHB16. 8	5. 47E-69	0. 553304	0. 337	0. 127	8. 17E-65	Opc-G	PCDHB16
RP11-571M	1. 21E-68	0. 273166	0. 134	0. 022	1. 80E-64	Opc-G	RP11-571M6. 17
COL4A4	1. 27E-68	0. 186671	0. 068	0. 005	1. 90E-64	Opc-G	COL4A4
ZNF3. 7	1. 50E-68	0. 534423	0. 433	0. 19	2. 24E-64	Opc-G	ZNF3
VIM. 8	1. 54E-68	-0. 72268	0. 417	0. 68	2. 30E-64	Opc-G	VIM
ST3GAL5. 5	2. 42E-68	0. 527348	0. 417	0. 176	3. 62E-64	Opc-G	ST3GAL5
CD74. 9	2. 48E-68	-0. 80056	0. 624	0. 76	3. 70E-64	Opc-G	CD74
CNPY1. 9	2. 57E-68	0. 495141	0. 239	0. 066	3. 84E-64	Opc-G	CNPY1
MAGI1. 9	1. 49E-67	0. 568537	0. 421	0. 182	2. 23E-63	Opc-G	MAGI1
CXCR4. 8	1. 55E-67	-1. 15705	0. 087	0. 409	2. 31E-63	Opc-G	CXCR4
C1QC. 10	2. 04E-67	-1. 17001	0. 24	0. 519	3. 05E-63	Opc-G	C1QC
FYN. 8	5. 95E-67	0. 510914	0. 555	0. 311	8. 89E-63	Opc-G	FYN

SCG5. 9	9. 79E-67	0. 476556	0. 586	0. 311	1. 46E-62	Opc-G	SCG5
HLA-DQA1. 1.	1. 10E-66	-1. 32145	0. 019	0. 325	1. 64E-62	Opc-G	HLA-DQA1
SIX1. 8	1. 69E-66	0. 43529	0. 195	0. 048	2. 53E-62	Opc-G	SIX1
CD14. 10	2. 44E-66	-1. 19265	0. 124	0. 427	3. 65E-62	Opc-G	CD14
RP3-525N1 4.	1. 0E-66	0. 538976	0. 357	0. 136	6. 13E-62	Opc-G	RP3-525N10. 2
TCF4. 10	4. 43E-66	0. 387989	0. 791	0. 505	6. 62E-62	Opc-G	TCF4
C8orf46. 8	6. 86E-66	0. 499343	0. 344	0. 126	1. 02E-61	Opc-G	C8orf46
TSPAN31. 5	7. 14E-66	0. 692544	0. 508	0. 281	1. 07E-61	Opc-G	TSPAN31
HLA-DQB1. 7.	7. 71E-66	-1. 2309	0. 041	0. 344	1. 15E-61	Opc-G	HLA-DQB1
FCGR3A. 1C	9. 00E-66	-1. 25735	0. 057	0. 36	1. 35E-61	Opc-G	FCGR3A
TTC3. 9	1. 01E-65	0. 412868	0. 76	0. 5	1. 51E-61	Opc-G	TTC3
RAC1. 5	1. 11E-65	0. 262005	0. 892	0. 733	1. 66E-61	Opc-G	RAC1
NME1. 8	1. 12E-65	0. 363354	0. 821	0. 551	1. 67E-61	Opc-G	NME1
RGS1. 10	2. 23E-65	-1. 22994	0. 186	0. 464	3. 33E-61	Opc-G	RGS1
THRA. 8	2. 74E-65	0. 534232	0. 473	0. 223	4. 09E-61	Opc-G	THRA
LIMA1. 9	2. 79E-65	0. 57152	0. 534	0. 303	4. 18E-61	Opc-G	LIMA1
EMP3. 9	2. 84E-65	-0. 88116	0. 131	0. 47	4. 25E-61	Opc-G	EMP3
HIPK2. 8	3. 96E-65	0. 538295	0. 444	0. 206	5. 91E-61	Opc-G	HIPK2
HLA-DMB. 9	5. 93E-65	-1. 24095	0. 038	0. 339	8. 87E-61	Opc-G	HLA-DMB
DCTN2. 4	6. 04E-65	0. 590896	0. 668	0. 496	9. 03E-61	Opc-G	DCTN2
DDR1. 8	6. 13E-65	0. 480538	0. 564	0. 316	9. 17E-61	Opc-G	DDR1
CD53. 10	8. 21E-65	-1. 21244	0. 034	0. 334	1. 23E-60	Opc-G	CD53
RHOG. 10	8. 31E-65	-0. 95207	0. 113	0. 429	1. 24E-60	Opc-G	RHOG
PLAUR. 10	1. 52E-64	-1. 15555	0. 082	0. 386	2. 27E-60	Opc-G	PLAUR
GMFG. 10	1. 94E-64	-1. 17683	0. 019	0. 316	2. 90E-60	Opc-G	GMFG
METAP1D. 8	2. 45E-64	0. 535594	0. 311	0. 112	3. 66E-60	Opc-G	METAP1D
C1orf162. 2.	5. 1E-64	-1. 23295	0. 042	0. 341	3. 75E-60	Opc-G	C1orf162
HOXB4	3. 18E-64	0. 279829	0. 117	0. 018	4. 75E-60	Opc-G	HOXB4
PRDX2. 10	4. 20E-64	0. 290037	0. 966	0. 683	6. 28E-60	Opc-G	PRDX2
TMEM121. 8	1. 17E-63	0. 524467	0. 277	0. 094	1. 75E-59	Opc-G	TMEM121
SLC16A3. 1	1. 59E-63	-0. 97685	0. 037	0. 339	2. 37E-59	Opc-G	SLC16A3
MS4A6A. 1C	1. 67E-63	-1. 25991	0. 064	0. 359	2. 49E-59	Opc-G	MS4A6A
LINGO1. 6	1. 87E-63	0. 364248	0. 146	0. 028	2. 80E-59	Opc-G	LINGO1
CIB1. 9	2. 06E-63	-0. 79827	0. 179	0. 513	3. 08E-59	Opc-G	CIB1
ITGB2. 10	3. 23E-63	-1. 14279	0. 046	0. 342	4. 83E-59	Opc-G	ITGB2
FAM84B. 7	3. 48E-63	0. 528835	0. 247	0. 076	5. 21E-59	Opc-G	FAM84B
CYBA. 10	4. 13E-63	-1. 11041	0. 137	0. 423	6. 17E-59	Opc-G	CYBA
RBP1. 8	4. 46E-63	0. 4126	0. 743	0. 441	6. 66E-59	Opc-G	RBP1
SYNGR2. 1C	7. 18E-63	-0. 91699	0. 045	0. 347	1. 07E-58	Opc-G	SYNGR2
RNASET2. 1	8. 53E-63	-0. 94713	0. 206	0. 501	1. 27E-58	Opc-G	RNASET2
MS4A7. 10	8. 59E-63	-1. 19519	0. 055	0. 35	1. 28E-58	Opc-G	MS4A7
LMO4. 10	9. 43E-63	0. 413877	0. 716	0. 462	1. 41E-58	Opc-G	LMO4
DNER. 8	1. 06E-62	0. 476676	0. 548	0. 262	1. 58E-58	Opc-G	DNER
TYROBP. 1C	2. 33E-62	-1. 19026	0. 212	0. 476	3. 48E-58	Opc-G	TYROBP
PCBP4. 10	3. 39E-62	0. 5168	0. 48	0. 241	5. 07E-58	Opc-G	PCBP4
LUZP2. 6	4. 49E-62	0. 383998	0. 175	0. 04	6. 71E-58	Opc-G	LUZP2
C1QA. 10	5. 26E-62	-1. 05013	0. 302	0. 553	7. 86E-58	Opc-G	C1QA
ANGPTL2. 7	5. 32E-62	0. 432908	0. 273	0. 088	7. 95E-58	Opc-G	ANGPTL2
RPS6KL1. 8	7. 59E-62	0. 465864	0. 272	0. 089	1. 13E-57	Opc-G	RPS6KL1
TREM2. 10	7. 63E-62	-1. 24145	0. 079	0. 369	1. 14E-57	Opc-G	TREM2
CHI3L1. 9	1. 14E-61	-1. 20787	0. 224	0. 544	1. 70E-57	Opc-G	CHI3L1

PLTP. 8	1. 23E-61	-1. 00529	0. 18	0. 489	1. 83E-57	Opc-G	PLTP
ATP6VOE2.	1. 34E-61	0. 40646	0. 712	0. 435	2. 01E-57	Opc-G	ATP6VOE2
CTSH. 10	1. 66E-61	-1. 04029	0. 022	0. 314	2. 48E-57	Opc-G	CTSH
GLUL. 6	2. 03E-61	-0. 6686	0. 628	0. 797	3. 04E-57	Opc-G	GLUL
C11orf96.	3. 16E-61	0. 560769	0. 324	0. 121	4. 72E-57	Opc-G	C11orf96
CORO1A. 1C	4. 24E-61	-1. 02373	0. 093	0. 391	6. 34E-57	Opc-G	CORO1A
TMSB15A. 1	7. 06E-61	0. 487582	0. 4	0. 164	1. 06E-56	Opc-G	TMSB15A
PIP4K2C. 6	9. 24E-61	0. 529446	0. 283	0. 098	1. 38E-56	Opc-G	PIP4K2C
SCN3A. 9	1. 15E-60	0. 414135	0. 221	0. 062	1. 72E-56	Opc-G	SCN3A
MYL6B. 9	1. 16E-60	0. 418833	0. 686	0. 426	1. 74E-56	Opc-G	MYL6B
HCST. 10	1. 60E-60	-1. 17228	0. 018	0. 302	2. 39E-56	Opc-G	HCST
CD37. 10	2. 88E-60	-1. 14119	0. 033	0. 319	4. 31E-56	Opc-G	CD37
CDK6. 8	3. 43E-60	0. 59354	0. 411	0. 192	5. 12E-56	Opc-G	CDK6
PLP1. 9	3. 90E-60	0. 251199	0. 395	0. 156	5. 83E-56	Opc-G	PLP1
LINC00461	4. 60E-60	0. 475375	0. 568	0. 304	6. 87E-56	Opc-G	LINC00461
DUSP26. 8	4. 74E-60	0. 439909	0. 254	0. 077	7. 09E-56	Opc-G	DUSP26
SEZ6. 10	5. 91E-60	0. 622131	0. 324	0. 127	8. 83E-56	Opc-G	SEZ6
C7orf61. 3	7. 07E-60	0. 377233	0. 135	0. 026	1. 06E-55	Opc-G	C7orf61
HSPE1. 8	1. 09E-59	0. 238444	0. 914	0. 717	1. 62E-55	Opc-G	HSPE1
ZNF428. 1C	1. 16E-59	0. 376712	0. 765	0. 53	1. 73E-55	Opc-G	ZNF428
REPIN1. 9	1. 36E-59	0. 5303	0. 484	0. 26	2. 03E-55	Opc-G	REPIN1
FCGR2A. 1C	2. 69E-59	-1. 10395	0. 025	0. 307	4. 02E-55	Opc-G	FCGR2A
CDH13. 4	3. 01E-59	0. 401535	0. 183	0. 045	4. 50E-55	Opc-G	CDH13
LST1. 10	4. 41E-59	-1. 1391	0. 049	0. 33	6. 59E-55	Opc-G	LST1
RGMB. 9	9. 69E-59	0. 55947	0. 318	0. 119	1. 45E-54	Opc-G	RGMB
KLHL23. 1C	1. 04E-58	0. 482793	0. 361	0. 148	1. 55E-54	Opc-G	KLHL23
AFAP1L2	1. 36E-58	0. 205893	0. 094	0. 013	2. 03E-54	Opc-G	AFAP1L2
IER2. 9	1. 59E-58	0. 405364	0. 791	0. 603	2. 38E-54	Opc-G	IER2
LRRTM1. 1	2. 09E-58	0. 250587	0. 113	0. 018	3. 12E-54	Opc-G	LRRTM1
RNASE6. 1C	4. 94E-58	-1. 12693	0. 018	0. 292	7. 38E-54	Opc-G	RNASE6
PSAP. 7	5. 95E-58	-0. 53793	0. 693	0. 827	8. 89E-54	Opc-G	PSAP
DPP6. 7	7. 15E-58	0. 51992	0. 352	0. 149	1. 07E-53	Opc-G	DPP6
CTD-2339F	1. 18E-57	0. 325148	0. 075	0. 008	1. 76E-53	Opc-G	CTD-2339F6. 1
YEATS4. 8	1. 24E-57	0. 679605	0. 449	0. 238	1. 86E-53	Opc-G	YEATS4
LY86. 10	1. 51E-57	-1. 14021	0. 033	0. 309	2. 26E-53	Opc-G	LY86
H1FX. 9	1. 58E-57	0. 491775	0. 607	0. 37	2. 36E-53	Opc-G	H1FX
MMP16. 8	1. 66E-57	0. 498252	0. 264	0. 092	2. 49E-53	Opc-G	MMP16
AES. 9	2. 13E-57	0. 432341	0. 638	0. 395	3. 18E-53	Opc-G	AES
RCN2. 9	2. 19E-57	0. 417927	0. 698	0. 451	3. 28E-53	Opc-G	RCN2
FIS1. 7	2. 43E-57	0. 283281	0. 857	0. 623	3. 63E-53	Opc-G	FIS1
TAGLN3. 9	2. 74E-57	0. 46219	0. 414	0. 173	4. 09E-53	Opc-G	TAGLN3
MDH2. 6	2. 93E-57	0. 276937	0. 876	0. 646	4. 38E-53	Opc-G	MDH2
LRRC17. 7	3. 31E-57	0. 471639	0. 217	0. 064	4. 94E-53	Opc-G	LRRC17
RSBN1L. 8	4. 21E-57	0. 460454	0. 582	0. 34	6. 28E-53	Opc-G	RSBN1L
DCX. 10	6. 09E-57	0. 46269	0. 436	0. 189	9. 10E-53	Opc-G	DCX
MS4A4A. 1C	6. 95E-57	-1. 17259	0. 031	0. 303	1. 04E-52	Opc-G	MS4A4A
HEY1. 8	8. 13E-57	0. 549698	0. 459	0. 233	1. 21E-52	Opc-G	HEY1
MFF. 5	1. 19E-56	0. 374984	0. 706	0. 475	1. 78E-52	Opc-G	MFF
FPR1. 10	1. 27E-56	-1. 14022	0. 027	0. 302	1. 90E-52	Opc-G	FPR1
VAMP5. 5	2. 09E-56	-0. 83337	0. 105	0. 416	3. 12E-52	Opc-G	VAMP5
PYCARD. 1C	2. 16E-56	-0. 98568	0. 029	0. 302	3. 22E-52	Opc-G	PYCARD



B2M. 8	2. 17E-56	-0. 38843	0. 97	0. 97	3. 25E-52	Opc-G	B2M
CTSL. 10	2. 21E-56	-0. 81865	0. 245	0. 542	3. 30E-52	Opc-G	CTSL
PAK3. 10	2. 22E-56	0. 459299	0. 339	0. 13	3. 32E-52	Opc-G	PAK3
C1QB. 10	3. 24E-56	-0. 95549	0. 363	0. 583	4. 85E-52	Opc-G	C1QB
C3. 9	7. 77E-56	-1. 02313	0. 148	0. 418	1. 16E-51	Opc-G	C3
LINC00844	8. 13E-56	0. 428397	0. 279	0. 095	1. 21E-51	Opc-G	LINC00844
GPR183. 1C	1. 18E-55	-1. 16709	0. 038	0. 307	1. 76E-51	Opc-G	GPR183
AC004540. 1	1. 88E-55	0. 432983	0. 228	0. 07	2. 81E-51	Opc-G	AC004540. 5
C7orf50. 5	2. 02E-55	0. 383397	0. 706	0. 495	3. 02E-51	Opc-G	C7orf50
RNF165. 9	2. 29E-55	0. 377405	0. 205	0. 058	3. 42E-51	Opc-G	RNF165
FIP1L1. 6	2. 54E-55	0. 573053	0. 493	0. 284	3. 80E-51	Opc-G	FIP1L1
DES. 1	3. 68E-55	0. 298506	0. 108	0. 018	5. 51E-51	Opc-G	DES
BMP7. 10	4. 37E-55	0. 547835	0. 35	0. 154	6. 54E-51	Opc-G	BMP7
C10orf54. 4	4. 41E-55	-1. 05121	0. 037	0. 305	6. 59E-51	Opc-G	C10orf54
HCLS1. 10	4. 78E-55	-1. 04858	0. 037	0. 307	7. 14E-51	Opc-G	HCLS1
KCND2. 4	5. 89E-55	0. 326804	0. 138	0. 029	8. 80E-51	Opc-G	KCND2
MIDN. 7	6. 23E-55	0. 450798	0. 623	0. 4	9. 32E-51	Opc-G	MIDN
IFITM2. 1C	1. 21E-54	-0. 99666	0. 03	0. 3	1. 81E-50	Opc-G	IFITM2
LNX1-AS1. 1	1. 29E-54	0. 205526	0. 072	0. 008	1. 92E-50	Opc-G	LNX1-AS1
FGF12. 6	1. 32E-54	0. 427569	0. 165	0. 04	1. 97E-50	Opc-G	FGF12
TMEM59L. 8	1. 65E-54	0. 501056	0. 47	0. 244	2. 46E-50	Opc-G	TMEM59L
CCT6A. 6	1. 84E-54	0. 325401	0. 779	0. 561	2. 75E-50	Opc-G	CCT6A
MDM2. 4	4. 37E-54	0. 645566	0. 396	0. 193	6. 53E-50	Opc-G	MDM2
CREM. 9	4. 91E-54	-0. 83895	0. 131	0. 425	7. 34E-50	Opc-G	CREM
HIST1H4C. 5	7. 3E-54	0. 386392	0. 661	0. 409	8. 56E-50	Opc-G	HIST1H4C
PGRMC1. 8	5. 83E-54	0. 420784	0. 657	0. 433	8. 71E-50	Opc-G	PGRMC1
ITGB1. 6	6. 93E-54	-0. 7341	0. 119	0. 403	1. 04E-49	Opc-G	ITGB1
HSP90AA1. 7	5. 1E-54	0. 162014	0. 978	0. 882	1. 12E-49	Opc-G	HSP90AA1
SLITRK1. 1	8. 83E-54	0. 206982	0. 102	0. 016	1. 32E-49	Opc-G	SLITRK1
ADAM22. 8	9. 99E-54	0. 383784	0. 194	0. 054	1. 49E-49	Opc-G	ADAM22
S100A10. 1	1. 29E-53	-0. 78322	0. 262	0. 563	1. 93E-49	Opc-G	S100A10
APBB2. 8	1. 53E-53	0. 457553	0. 276	0. 102	2. 28E-49	Opc-G	APBB2
SERPINA1. 2	4. 2E-53	-1. 04517	0. 052	0. 316	3. 62E-49	Opc-G	SERPINA1
LSM7. 7	2. 79E-53	0. 298618	0. 851	0. 616	4. 17E-49	Opc-G	LSM7
ZEB1. 9	3. 05E-53	0. 528753	0. 38	0. 18	4. 56E-49	Opc-G	ZEB1
SH3BGRL3. 3	1. 2E-53	-0. 55255	0. 638	0. 786	4. 66E-49	Opc-G	SH3BGRL3
S100A4. 1C	3. 15E-53	-1. 10926	0. 048	0. 312	4. 71E-49	Opc-G	S100A4
LINC01003	3. 76E-53	0. 534254	0. 38	0. 18	5. 62E-49	Opc-G	LINC01003
KLHL7. 8	4. 52E-53	0. 476039	0. 49	0. 265	6. 75E-49	Opc-G	KLHL7
GYPC. 10	5. 81E-53	-0. 85072	0. 053	0. 327	8. 68E-49	Opc-G	GYPC
GPR34. 10	6. 39E-53	-1. 0958	0. 026	0. 283	9. 54E-49	Opc-G	GPR34
FCGR1A. 1C	7. 19E-53	-1. 09732	0. 019	0. 275	1. 07E-48	Opc-G	FCGR1A
SERPINB1. 1	1. 13E-52	-0. 99584	0. 023	0. 283	1. 68E-48	Opc-G	SERPINB1
GRID2. 4	1. 75E-52	0. 335299	0. 158	0. 039	2. 61E-48	Opc-G	GRID2
OSTF1. 9	2. 05E-52	-0. 86238	0. 041	0. 308	3. 06E-48	Opc-G	OSTF1
USP46. 9	3. 76E-52	0. 562318	0. 305	0. 126	5. 62E-48	Opc-G	USP46
TTY14	3. 98E-52	0. 210802	0. 096	0. 015	5. 95E-48	Opc-G	TTY14
RP11-315A	6. 77E-52	0. 282839	0. 134	0. 029	1. 01E-47	Opc-G	RP11-315A16. 1
CD163. 10	8. 10E-52	-1. 05772	0. 036	0. 292	1. 21E-47	Opc-G	CD163
KCNH2. 8	8. 62E-52	0. 362275	0. 199	0. 057	1. 29E-47	Opc-G	KCNH2
GPSM3. 10	1. 50E-51	-1. 00366	0. 025	0. 278	2. 24E-47	Opc-G	GPSM3

TYMP. 10	1. 67E-51	-0. 91199	0. 063	0. 323	2. 50E-47	Opc-G	TYMP
MAPT. 10	1. 88E-51	0. 470378	0. 505	0. 27	2. 82E-47	Opc-G	MAPT
CPVL. 10	2. 05E-51	-0. 95464	0. 097	0. 366	3. 07E-47	Opc-G	CPVL
NRXN2. 10	3. 42E-51	0. 398751	0. 286	0. 105	5. 11E-47	Opc-G	NRXN2
RTN3. 8	3. 58E-51	0. 276971	0. 857	0. 641	5. 35E-47	Opc-G	RTN3
HOXB2. 7	4. 61E-51	0. 360356	0. 235	0. 074	6. 89E-47	Opc-G	HOXB2
ATCAY. 9	8. 65E-51	0. 428286	0. 292	0. 109	1. 29E-46	Opc-G	ATCAY
HMOX1. 10	1. 44E-50	-0. 99401	0. 053	0. 311	2. 14E-46	Opc-G	HMOX1
EN1. 7	1. 53E-50	0. 343138	0. 193	0. 055	2. 29E-46	Opc-G	EN1
NRCAM. 9	1. 93E-50	0. 459867	0. 47	0. 256	2. 89E-46	Opc-G	NRCAM
POLR2J. 6	1. 98E-50	0. 261419	0. 851	0. 63	2. 95E-46	Opc-G	POLR2J
MAD2L2. 7	2. 09E-50	0. 410315	0. 6	0. 378	3. 13E-46	Opc-G	MAD2L2
YWHAE. 9	2. 47E-50	0. 210939	0. 943	0. 739	3. 69E-46	Opc-G	YWHAE
IP6K2. 9	2. 67E-50	0. 345151	0. 656	0. 42	3. 99E-46	Opc-G	IP6K2
SGK1. 10	3. 15E-50	-0. 86706	0. 189	0. 453	4. 71E-46	Opc-G	SGK1
C16orf45. 3	2. 21E-50	0. 422422	0. 526	0. 304	4. 80E-46	Opc-G	C16orf45
THSD7A. 9	3. 60E-50	0. 377944	0. 336	0. 13	5. 38E-46	Opc-G	THSD7A
TMEM98. 7	4. 25E-50	0. 436262	0. 436	0. 222	6. 34E-46	Opc-G	TMEM98
TBX5. 1	9. 15E-50	0. 16709	0. 074	0. 009	1. 37E-45	Opc-G	TBX5
ANXA1. 7	1. 02E-49	-0. 88635	0. 143	0. 428	1. 52E-45	Opc-G	ANXA1
ZKSCAN1. 9	1. 20E-49	0. 410154	0. 522	0. 303	1. 80E-45	Opc-G	ZKSCAN1
GOLM1. 9	2. 09E-49	0. 430467	0. 522	0. 302	3. 12E-45	Opc-G	GOLM1
C3AR1. 10	2. 59E-49	-1. 00743	0. 012	0. 253	3. 87E-45	Opc-G	C3AR1
SAMSN1. 10	3. 07E-49	-0. 98617	0. 023	0. 267	4. 59E-45	Opc-G	SAMSN1
TNFRSF1A. 3	2. 26E-49	-0. 64513	0. 112	0. 389	4. 87E-45	Opc-G	TNFRSF1A
PDAP1. 7	3. 34E-49	0. 314226	0. 73	0. 523	5. 00E-45	Opc-G	PDAP1
GRIK2. 1	3. 54E-49	0. 264524	0. 124	0. 026	5. 29E-45	Opc-G	GRIK2
TUBB. 8	4. 95E-49	0. 210805	0. 941	0. 759	7. 40E-45	Opc-G	TUBB
PAFAH1B3. 5	5. 63E-49	0. 395408	0. 649	0. 409	8. 42E-45	Opc-G	PAFAH1B3
MYCN. 1	8. 12E-49	0. 256146	0. 097	0. 016	1. 21E-44	Opc-G	MYCN
CSF1R. 10	1. 20E-48	-0. 9999	0. 04	0. 283	1. 79E-44	Opc-G	CSF1R
LMO3. 7	1. 30E-48	0. 373992	0. 227	0. 073	1. 95E-44	Opc-G	LMO3
SCPEP1. 9	1. 81E-48	-0. 81865	0. 098	0. 363	2. 71E-44	Opc-G	SCPEP1
ZNF92. 8	2. 00E-48	0. 408458	0. 322	0. 134	3. 00E-44	Opc-G	ZNF92
MEX3B. 8	2. 23E-48	0. 357058	0. 187	0. 054	3. 33E-44	Opc-G	MEX3B
SLC25A6. 5	2. 57E-48	0. 135375	0. 973	0. 85	3. 84E-44	Opc-G	SLC25A6
FXD5. 10	2. 73E-48	-0. 95722	0. 107	0. 356	4. 08E-44	Opc-G	FXD5
LRRC4C. 7	3. 10E-48	0. 39754	0. 243	0. 086	4. 63E-44	Opc-G	LRRC4C
CA8. 9	3. 22E-48	0. 439742	0. 172	0. 047	4. 82E-44	Opc-G	CA8
RP11-698N	3. 74E-48	0. 460169	0. 175	0. 05	5. 59E-44	Opc-G	RP11-698N11. 2
CPXM1. 9	3. 86E-48	0. 46696	0. 281	0. 113	5. 76E-44	Opc-G	CPXM1
PBX1. 8	3. 90E-48	0. 481937	0. 399	0. 202	5. 82E-44	Opc-G	PBX1
IL13RA1. 1	3. 93E-48	-0. 73613	0. 022	0. 264	5. 87E-44	Opc-G	IL13RA1
HOTAIR	4. 09E-48	0. 174141	0. 077	0. 01	6. 12E-44	Opc-G	HOTAIR
PMP2. 9	4. 22E-48	0. 398434	0. 587	0. 334	6. 31E-44	Opc-G	PMP2
TMEM176B. 4	4. 74E-48	-0. 92781	0. 108	0. 368	7. 09E-44	Opc-G	TMEM176B
PLSCR1. 10	5. 85E-48	-0. 77155	0. 108	0. 376	8. 75E-44	Opc-G	PLSCR1
C12orf57. 6	6. 88E-48	0. 275934	0. 754	0. 522	1. 03E-43	Opc-G	C12orf57
THEMIS2. 1	7. 03E-48	-0. 85574	0. 018	0. 257	1. 05E-43	Opc-G	THEMIS2
GRN. 10	7. 08E-48	-0. 68757	0. 348	0. 585	1. 06E-43	Opc-G	GRN
NREP. 9	7. 59E-48	0. 435462	0. 484	0. 259	1. 13E-43	Opc-G	NREP

LILRB4.1C	1.29E-47	-1.00818	0.031	0.27	1.93E-43	Opc-G	LILRB4
ATP10B.2	1.55E-47	0.246966	0.108	0.02	2.32E-43	Opc-G	ATP10B
POLD4.8	1.96E-47	-0.70684	0.158	0.438	2.93E-43	Opc-G	POLD4
VAMP2.9	2.15E-47	0.280653	0.848	0.608	3.21E-43	Opc-G	VAMP2
SNTG1.9	4.15E-47	0.437845	0.328	0.142	6.21E-43	Opc-G	SNTG1
WSCD1.8	5.71E-47	0.476867	0.288	0.12	8.53E-43	Opc-G	WSCD1
BLVRA.8	6.06E-47	0.370791	0.559	0.325	9.06E-43	Opc-G	BLVRA
NUDT10.7	6.36E-47	0.289347	0.161	0.043	9.50E-43	Opc-G	NUDT10
CBX5.8	7.86E-47	0.417499	0.541	0.331	1.17E-42	Opc-G	CBX5
BZW2.6	7.99E-47	0.420319	0.474	0.257	1.19E-42	Opc-G	BZW2
INHBB.3	9.87E-47	0.275605	0.12	0.025	1.48E-42	Opc-G	INHBB
COL4A3	9.96E-47	0.161947	0.056	0.005	1.49E-42	Opc-G	COL4A3
ASIC1.7	1.58E-46	0.320314	0.164	0.044	2.36E-42	Opc-G	ASIC1
PCDHB7.8	1.71E-46	0.331405	0.201	0.062	2.56E-42	Opc-G	PCDHB7
NCALD.8	1.73E-46	0.424544	0.284	0.114	2.58E-42	Opc-G	NCALD
TGFB1.10	2.35E-46	-0.65917	0.022	0.259	3.51E-42	Opc-G	TGFB1
HAVCR2.1C	2.47E-46	-0.95754	0.015	0.246	3.69E-42	Opc-G	HAVCR2
EEF2.3	2.57E-46	0.14774	0.94	0.822	3.84E-42	Opc-G	EEF2
CTDSP2.6	3.20E-46	0.624308	0.444	0.266	4.78E-42	Opc-G	CTDSP2
ILF2.7	4.29E-46	0.285036	0.794	0.559	6.41E-42	Opc-G	ILF2
C1orf54.1	4.54E-46	-0.81285	0.011	0.24	6.78E-42	Opc-G	C1orf54
PPP1R9A.9	5.62E-46	0.353438	0.202	0.063	8.39E-42	Opc-G	PPP1R9A
HNRNPA1.3	7.10E-46	0.113621	0.971	0.871	1.06E-41	Opc-G	HNRNPA1
C5orf38.3	8.05E-46	0.278696	0.12	0.026	1.20E-41	Opc-G	C5orf38
MYO10.9	8.13E-46	0.489497	0.367	0.183	1.22E-41	Opc-G	MYO10
ERV3-1.9	9.45E-46	0.424212	0.466	0.247	1.41E-41	Opc-G	ERV3-1
MAPK10.9	1.03E-45	0.449764	0.377	0.183	1.54E-41	Opc-G	MAPK10
FGF9.9	1.48E-45	0.330129	0.161	0.043	2.21E-41	Opc-G	FGF9
ADORA3.1C	1.66E-45	-0.96018	0.042	0.275	2.48E-41	Opc-G	ADORA3
TIMP1.8	1.68E-45	-0.71942	0.407	0.635	2.52E-41	Opc-G	TIMP1
FBLN1.9	1.70E-45	0.496281	0.223	0.076	2.55E-41	Opc-G	FBLN1
RILPL2.1C	2.11E-45	-0.81802	0.037	0.273	3.16E-41	Opc-G	RILPL2
HOXC-AS1.2	1.8E-45	0.229762	0.101	0.019	3.26E-41	Opc-G	HOXC-AS1
NDUFA5.8	2.52E-45	0.264962	0.781	0.563	3.76E-41	Opc-G	NDUFA5
NAMPT.9	2.57E-45	-0.89549	0.199	0.453	3.84E-41	Opc-G	NAMPT
IFNGR1.1C	3.08E-45	-0.75817	0.199	0.453	4.60E-41	Opc-G	IFNGR1
SYNE2.10	4.05E-45	0.453213	0.35	0.162	6.05E-41	Opc-G	SYNE2
OS9.3	4.47E-45	0.504192	0.653	0.528	6.68E-41	Opc-G	OS9
PDLIM3.8	5.47E-45	0.36453	0.272	0.104	8.17E-41	Opc-G	PDLIM3
CTSZ.10	7.07E-45	-0.83816	0.038	0.271	1.06E-40	Opc-G	CTSZ
ATAT1.10	7.22E-45	0.417773	0.492	0.275	1.08E-40	Opc-G	ATAT1
RCOR2.8	9.13E-45	0.358744	0.149	0.039	1.36E-40	Opc-G	RCOR2
RND3.9	1.27E-44	0.477171	0.444	0.229	1.89E-40	Opc-G	RND3
GNB2.7	1.35E-44	0.314219	0.751	0.557	2.02E-40	Opc-G	GNB2
CDKN2C.7	1.44E-44	0.396345	0.492	0.268	2.16E-40	Opc-G	CDKN2C
SYT11.10	1.90E-44	0.380021	0.593	0.37	2.84E-40	Opc-G	SYT11
OLR1.10	2.55E-44	-0.95054	0.037	0.264	3.82E-40	Opc-G	OLR1
LGALS1.8	3.00E-44	-0.56844	0.512	0.717	4.49E-40	Opc-G	LGALS1
BAALC.9	3.21E-44	0.448825	0.545	0.332	4.79E-40	Opc-G	BAALC
WBSCR22.8	4.37E-44	0.311351	0.695	0.48	6.53E-40	Opc-G	WBSCR22
RP11-1275	8.50E-44	0.331682	0.176	0.052	1.27E-39	Opc-G	RP11-1275H24.1

GRIK3. 5	1. 39E-43	0. 314469	0. 145	0. 038	2. 08E-39	Opc-G	GRIK3
PTN. 8	1. 40E-43	0. 246286	0. 906	0. 597	2. 09E-39	Opc-G	PTN
SMARCB1. 8	1. 85E-43	0. 378091	0. 6	0. 402	2. 77E-39	Opc-G	SMARCB1
RSF1. 8	1. 86E-43	0. 366611	0. 613	0. 404	2. 79E-39	Opc-G	RSF1
TBXAS1. 1C	1. 91E-43	-0. 91518	0. 031	0. 255	2. 85E-39	Opc-G	TBXAS1
TM4SF1. 1C	2. 13E-43	0. 42004	0. 26	0. 103	3. 18E-39	Opc-G	TM4SF1
MUM1. 9	2. 77E-43	0. 387539	0. 555	0. 351	4. 14E-39	Opc-G	MUM1
SLC11A1. 1	3. 29E-43	-0. 88239	0. 086	0. 32	4. 92E-39	Opc-G	SLC11A1
TSPAN11	3. 30E-43	0. 244793	0. 094	0. 017	4. 94E-39	Opc-G	TSPAN11
METRN. 10	3. 42E-43	0. 448425	0. 499	0. 28	5. 12E-39	Opc-G	METRN
ATP5J2. 6	4. 53E-43	0. 148135	0. 955	0. 798	6. 77E-39	Opc-G	ATP5J2
FAM213A. 8	5. 04E-43	0. 350438	0. 577	0. 37	7. 54E-39	Opc-G	FAM213A
PTOV1. 9	5. 07E-43	0. 362383	0. 643	0. 425	7. 58E-39	Opc-G	PTOV1
NLGN3. 8	5. 13E-43	0. 443599	0. 258	0. 104	7. 67E-39	Opc-G	NLGN3
BLVRB. 7	5. 31E-43	-0. 65956	0. 117	0. 391	7. 93E-39	Opc-G	BLVRB
CCT7. 7	6. 23E-43	0. 305149	0. 728	0. 516	9. 31E-39	Opc-G	CCT7
SIAH1. 8	7. 70E-43	0. 427655	0. 413	0. 216	1. 15E-38	Opc-G	SIAH1
PRR13. 8	8. 41E-43	-0. 64182	0. 302	0. 559	1. 26E-38	Opc-G	PRR13
PPP1R14A. 1	0. 7E-42	0. 24581	0. 264	0. 096	1. 59E-38	Opc-G	PPP1R14A
PTPRS. 10	1. 39E-42	0. 467647	0. 445	0. 245	2. 08E-38	Opc-G	PTPRS
LRP4. 7	1. 52E-42	0. 323407	0. 171	0. 051	2. 28E-38	Opc-G	LRP4
COL9A1	1. 60E-42	0. 141844	0. 066	0. 009	2. 39E-38	Opc-G	COL9A1
SATB1. 4	1. 75E-42	0. 346814	0. 292	0. 119	2. 62E-38	Opc-G	SATB1
ARF5. 3	1. 81E-42	0. 314199	0. 716	0. 516	2. 70E-38	Opc-G	ARF5
IFI30. 10	1. 89E-42	-0. 89636	0. 016	0. 233	2. 82E-38	Opc-G	IFI30
ZNF711. 9	2. 14E-42	0. 416522	0. 303	0. 131	3. 19E-38	Opc-G	ZNF711
NHP2. 7	2. 27E-42	0. 274351	0. 777	0. 567	3. 39E-38	Opc-G	NHP2
RAB32. 10	2. 43E-42	-0. 56151	0. 027	0. 253	3. 63E-38	Opc-G	RAB32
CDH10	2. 66E-42	0. 255357	0. 112	0. 024	3. 97E-38	Opc-G	CDH10
HOXB3. 5	3. 04E-42	0. 220457	0. 12	0. 027	4. 54E-38	Opc-G	HOXB3
HIP1. 7	3. 05E-42	0. 41575	0. 333	0. 157	4. 56E-38	Opc-G	HIP1
FAM110B. 8	3. 19E-42	0. 4268	0. 357	0. 175	4. 77E-38	Opc-G	FAM110B
CD86. 10	3. 43E-42	-0. 90609	0. 014	0. 227	5. 12E-38	Opc-G	CD86
TTC9B. 10	4. 02E-42	0. 449106	0. 277	0. 11	6. 01E-38	Opc-G	TTC9B
AC016700. 4	0. 5E-42	0. 297856	0. 117	0. 027	6. 06E-38	Opc-G	AC016700. 5
ZIC1. 8	4. 53E-42	0. 447795	0. 255	0. 105	6. 77E-38	Opc-G	ZIC1
SRM. 8	4. 67E-42	0. 412366	0. 552	0. 352	6. 97E-38	Opc-G	SRM
RTN4. 10	5. 68E-42	0. 250599	0. 85	0. 69	8. 49E-38	Opc-G	RTN4
WBP5. 8	6. 40E-42	0. 255995	0. 721	0. 488	9. 56E-38	Opc-G	WBP5
CCDC109B. 7	1. 2E-42	-0. 56816	0. 109	0. 365	1. 06E-37	Opc-G	CCDC109B
PTPRD. 9	8. 77E-42	0. 298288	0. 199	0. 064	1. 31E-37	Opc-G	PTPRD
FAM221A. 1	1. 03E-41	0. 378864	0. 351	0. 166	1. 53E-37	Opc-G	FAM221A
ITGB8. 8	1. 09E-41	0. 448193	0. 411	0. 228	1. 63E-37	Opc-G	ITGB8
FABP7. 8	1. 10E-41	0. 440534	0. 604	0. 369	1. 64E-37	Opc-G	FABP7
NNAT. 10	1. 14E-41	0. 576254	0. 383	0. 183	1. 70E-37	Opc-G	NNAT
SPP1. 7	1. 15E-41	-0. 54104	0. 82	0. 856	1. 72E-37	Opc-G	SPP1
SPI1. 10	1. 36E-41	-0. 82878	0. 036	0. 252	2. 03E-37	Opc-G	SPI1
MKLN1. 6	1. 69E-41	0. 424066	0. 406	0. 218	2. 53E-37	Opc-G	MKLN1
LGALS9. 1C	1. 97E-41	-0. 87257	0. 037	0. 254	2. 95E-37	Opc-G	LGALS9
IQGAP1. 8	2. 09E-41	-0. 56968	0. 04	0. 267	3. 12E-37	Opc-G	IQGAP1
PLLP. 9	2. 70E-41	0. 355909	0. 19	0. 06	4. 03E-37	Opc-G	PLLP

SP100.9	3.08E-41	-0.74789	0.066	0.302	4.60E-37	Opc-G	SP100
AC004158.	4.13E-41	0.423804	0.269	0.113	6.18E-37	Opc-G	AC004158.3
UGT8.8	4.27E-41	0.196319	0.157	0.042	6.39E-37	Opc-G	UGT8
PON2.10	4.58E-41	0.328482	0.661	0.436	6.84E-37	Opc-G	PON2
NKD1.2	4.61E-41	0.246498	0.122	0.029	6.89E-37	Opc-G	NKD1
CELF5.10	5.48E-41	0.318791	0.232	0.081	8.19E-37	Opc-G	CELF5
NUPR1.8	5.48E-41	-0.79578	0.098	0.339	8.20E-37	Opc-G	NUPR1
MTRNR2L1.	7.55E-41	0.433109	0.388	0.18	1.13E-36	Opc-G	MTRNR2L1
PLP2.9	7.82E-41	-0.7196	0.111	0.359	1.17E-36	Opc-G	PLP2
STOM.9	8.48E-41	-0.76291	0.044	0.265	1.27E-36	Opc-G	STOM
METTL21B.	8.62E-41	0.330102	0.179	0.057	1.29E-36	Opc-G	METTL21B
CYP27B1	9.69E-41	0.155774	0.066	0.009	1.45E-36	Opc-G	CYP27B1
C14orf132	1.03E-40	0.360239	0.228	0.082	1.54E-36	Opc-G	C14orf132
BUD31.8	1.11E-40	0.22902	0.82	0.615	1.66E-36	Opc-G	BUD31
HMGB3.9	1.45E-40	0.387034	0.477	0.266	2.17E-36	Opc-G	HMGB3
BAZ2B.6	1.64E-40	0.426603	0.5	0.308	2.45E-36	Opc-G	BAZ2B
C5AR1.9	1.78E-40	-0.89106	0.037	0.251	2.66E-36	Opc-G	C5AR1
LYZ.10	1.98E-40	-0.86256	0.014	0.219	2.96E-36	Opc-G	LYZ
LY96.10	2.16E-40	-0.6421	0.023	0.236	3.23E-36	Opc-G	LY96
HNRNPA0.8	2.23E-40	0.267601	0.795	0.631	3.33E-36	Opc-G	HNRNPA0
TAGLN2.1C	2.52E-40	-0.60469	0.255	0.532	3.76E-36	Opc-G	TAGLN2
F2R.10	2.58E-40	0.426294	0.327	0.158	3.86E-36	Opc-G	F2R
MRFAP1.9	2.69E-40	0.204591	0.847	0.659	4.03E-36	Opc-G	MRFAP1
IER3.10	2.74E-40	-0.8826	0.042	0.255	4.09E-36	Opc-G	IER3
FAM3C.9	2.88E-40	0.361327	0.605	0.426	4.31E-36	Opc-G	FAM3C
GPR1.1	3.54E-40	0.239282	0.1	0.02	5.29E-36	Opc-G	GPR1
OPCML.1	4.78E-40	0.187876	0.087	0.016	7.15E-36	Opc-G	OPCML
PPP2R1A.7	4.98E-40	0.297242	0.691	0.503	7.44E-36	Opc-G	PPP2R1A
TCEAL7.8	6.02E-40	0.347025	0.501	0.289	9.00E-36	Opc-G	TCEAL7
ARHGEF2.9	7.89E-40	0.40855	0.473	0.277	1.18E-35	Opc-G	ARHGEF2
CD164.9	8.01E-40	-0.59606	0.258	0.506	1.20E-35	Opc-G	CD164
HOXC11	8.27E-40	0.158289	0.078	0.013	1.24E-35	Opc-G	HOXC11
SLC30A3	8.49E-40	0.156614	0.071	0.011	1.27E-35	Opc-G	SLC30A3
PTMS.9	8.49E-40	0.335529	0.776	0.538	1.27E-35	Opc-G	PTMS
GSTO1.8	1.34E-39	-0.62611	0.22	0.472	2.01E-35	Opc-G	GSTO1
LRRC4.3	1.84E-39	0.281779	0.142	0.039	2.75E-35	Opc-G	LRRC4
ZNF219.2	1.90E-39	0.327555	0.179	0.058	2.83E-35	Opc-G	ZNF219
HIP1R.9	1.97E-39	0.377558	0.249	0.099	2.94E-35	Opc-G	HIP1R
LAT2.10	2.08E-39	-0.81434	0.014	0.215	3.12E-35	Opc-G	LAT2
EFS.8	2.17E-39	0.409004	0.242	0.097	3.24E-35	Opc-G	EFS
PID1.7	2.24E-39	0.405709	0.26	0.107	3.35E-35	Opc-G	PID1
KIF5C.10	2.32E-39	0.451789	0.449	0.256	3.47E-35	Opc-G	KIF5C
RAP1B.7	2.74E-39	-0.60554	0.204	0.449	4.09E-35	Opc-G	RAP1B
ZNF331.9	2.83E-39	-0.82431	0.108	0.329	4.24E-35	Opc-G	ZNF331
FAM127A.7	3.09E-39	0.318324	0.652	0.446	4.61E-35	Opc-G	FAM127A
PTPRC.10	3.11E-39	-0.81202	0.015	0.216	4.64E-35	Opc-G	PTPRC
EVI2B.10	3.41E-39	-0.85434	0.015	0.215	5.09E-35	Opc-G	EVI2B
GLRX.9	4.03E-39	-0.74502	0.161	0.403	6.02E-35	Opc-G	GLRX
SCNN1A.3	4.12E-39	0.39882	0.154	0.044	6.15E-35	Opc-G	SCNN1A
SLA.10	4.27E-39	-0.80937	0.014	0.214	6.39E-35	Opc-G	SLA
CD300A.1C	4.45E-39	-0.80969	0.007	0.204	6.65E-35	Opc-G	CD300A

TGFBI. 10	7. 38E-39	-0. 8061	0. 016	0. 218	1. 10E-34	Opc-G	TGFBI
MGAT1. 10	7. 59E-39	-0. 65887	0. 139	0. 372	1. 13E-34	Opc-G	MGAT1
HNRNPAB. 9	7. 64E-39	0. 370801	0. 568	0. 386	1. 14E-34	Opc-G	HNRNPAB
ANXA11. 10	8. 64E-39	-0. 64195	0. 023	0. 229	1. 29E-34	Opc-G	ANXA11
SLC26A10. 9	9. 38E-39	0. 220325	0. 096	0. 02	1. 40E-34	Opc-G	SLC26A10
LGALS3. 8	9. 87E-39	-0. 78839	0. 26	0. 496	1. 48E-34	Opc-G	LGALS3
RAB20. 9	1. 08E-38	-0. 74955	0. 038	0. 249	1. 62E-34	Opc-G	RAB20
DNASE2. 8	1. 09E-38	-0. 58713	0. 146	0. 399	1. 63E-34	Opc-G	DNASE2
MVP. 6	1. 15E-38	-0. 58763	0. 027	0. 239	1. 72E-34	Opc-G	MVP
CD83. 9	1. 62E-38	-0. 91903	0. 097	0. 308	2. 42E-34	Opc-G	CD83
HDAC2. 9	2. 20E-38	0. 333147	0. 633	0. 435	3. 29E-34	Opc-G	HDAC2
CAHM. 8	2. 27E-38	0. 422853	0. 217	0. 083	3. 39E-34	Opc-G	CAHM
CLK1. 5	2. 29E-38	0. 325582	0. 622	0. 409	3. 42E-34	Opc-G	CLK1
TRIB2. 10	2. 37E-38	0. 434786	0. 436	0. 251	3. 55E-34	Opc-G	TRIB2
CDCA7L. 6	3. 02E-38	0. 410128	0. 301	0. 139	4. 51E-34	Opc-G	CDCA7L
KIAA1211. 3	3. 23E-38	0. 215401	0. 097	0. 02	4. 83E-34	Opc-G	KIAA1211
EIF4H. 5	4. 58E-38	0. 251876	0. 71	0. 529	6. 84E-34	Opc-G	EIF4H
APOC2. 9	4. 72E-38	-1. 01027	0. 008	0. 201	7. 05E-34	Opc-G	APOC2
RP11-553L	4. 82E-38	0. 481127	0. 385	0. 216	7. 20E-34	Opc-G	RP11-553L6. 5
BHLHE41. 8	5. 51E-38	-0. 63467	0. 019	0. 22	8. 23E-34	Opc-G	BHLHE41
CREB5. 9	5. 68E-38	0. 454481	0. 399	0. 224	8. 48E-34	Opc-G	CREB5
C1QBP. 7	5. 78E-38	0. 307882	0. 743	0. 542	8. 64E-34	Opc-G	C1QBP
ZNF714. 5	6. 25E-38	0. 358031	0. 238	0. 094	9. 34E-34	Opc-G	ZNF714
HNRNPK. 6	6. 72E-38	0. 154378	0. 922	0. 78	1. 00E-33	Opc-G	HNRNPK
LINC00599	6. 98E-38	0. 227018	0. 12	0. 029	1. 04E-33	Opc-G	LINC00599
ANXA6. 3	9. 42E-38	0. 391623	0. 344	0. 174	1. 41E-33	Opc-G	ANXA6
HEPN1. 9	1. 03E-37	0. 37861	0. 377	0. 193	1. 55E-33	Opc-G	HEPN1
NT5C3B. 9	1. 04E-37	0. 398879	0. 503	0. 32	1. 55E-33	Opc-G	NT5C3B
ELFN1	1. 16E-37	0. 194139	0. 09	0. 018	1. 74E-33	Opc-G	ELFN1
CASC15. 8	1. 22E-37	0. 358783	0. 232	0. 09	1. 83E-33	Opc-G	CASC15
ZNF821. 10	1. 27E-37	0. 369409	0. 324	0. 153	1. 89E-33	Opc-G	ZNF821
CPSF6. 7	1. 31E-37	0. 413269	0. 495	0. 318	1. 96E-33	Opc-G	CPSF6
SFPQ. 7	1. 37E-37	0. 288859	0. 702	0. 532	2. 05E-33	Opc-G	SFPQ
SLCO2B1. 9	1. 88E-37	-0. 84501	0. 034	0. 233	2. 81E-33	Opc-G	SLCO2B1
LHX1. 6	1. 93E-37	0. 286582	0. 108	0. 025	2. 88E-33	Opc-G	LHX1
PSMB5. 7	1. 95E-37	0. 220927	0. 78	0. 582	2. 92E-33	Opc-G	PSMB5
PEG10. 7	2. 29E-37	0. 318964	0. 243	0. 093	3. 43E-33	Opc-G	PEG10
CD63. 9	2. 40E-37	-0. 3459	0. 904	0. 926	3. 59E-33	Opc-G	CD63
LDHA. 6	3. 42E-37	-0. 49049	0. 637	0. 775	5. 12E-33	Opc-G	LDHA
RBFOX2. 9	3. 96E-37	0. 390251	0. 389	0. 204	5. 92E-33	Opc-G	RBFOX2
SRP72. 5	3. 98E-37	0. 368493	0. 607	0. 448	5. 95E-33	Opc-G	SRP72
HOXA7. 8	4. 07E-37	0. 331408	0. 24	0. 092	6. 09E-33	Opc-G	HOXA7
TLE2. 9	4. 25E-37	0. 387825	0. 214	0. 082	6. 35E-33	Opc-G	TLE2
SRRM3. 9	4. 40E-37	0. 383785	0. 189	0. 064	6. 57E-33	Opc-G	SRRM3
NAV2. 6	4. 54E-37	0. 418786	0. 254	0. 109	6. 79E-33	Opc-G	NAV2
ZNF667-AS	4. 72E-37	0. 323582	0. 581	0. 375	7. 05E-33	Opc-G	ZNF667-AS1
CAP1. 9	4. 74E-37	-0. 52255	0. 395	0. 605	7. 08E-33	Opc-G	CAP1
PNMA1. 9	5. 04E-37	0. 416935	0. 451	0. 272	7. 52E-33	Opc-G	PNMA1
RTKN. 10	5. 16E-37	0. 440487	0. 322	0. 161	7. 71E-33	Opc-G	RTKN
SPINT2. 10	7. 15E-37	-0. 71907	0. 031	0. 229	1. 07E-32	Opc-G	SPINT2
RP11-488C	8. 67E-37	0. 328508	0. 178	0. 06	1. 30E-32	Opc-G	RP11-488C13. 5

AASDH. 5	9. 01E-37	0. 457103	0. 313	0. 154	1. 35E-32	Opc-G	AASDH
HNRNPA2B1	9. 67E-37	0. 111228	0. 967	0. 837	1. 44E-32	Opc-G	HNRNPA2B1
ATRNL1. 1	1. 18E-36	0. 215121	0. 079	0. 014	1. 76E-32	Opc-G	ATRNL1
DYNC1I1. 1	1. 36E-36	0. 400047	0. 242	0. 095	2. 04E-32	Opc-G	DYNC1I1
CBR1. 8	1. 51E-36	0. 285401	0. 665	0. 463	2. 25E-32	Opc-G	CBR1
PNISR. 6	1. 78E-36	0. 229652	0. 784	0. 6	2. 66E-32	Opc-G	PNISR
LIPA. 9	1. 87E-36	-0. 72008	0. 13	0. 348	2. 79E-32	Opc-G	LIPA
HOXB5. 1	1. 98E-36	0. 153566	0. 071	0. 012	2. 95E-32	Opc-G	HOXB5
SUMO2. 6	2. 21E-36	0. 115701	0. 958	0. 812	3. 30E-32	Opc-G	SUMO2
LINC00511	2. 42E-36	0. 413988	0. 253	0. 11	3. 62E-32	Opc-G	LINC00511
TPP1. 8	2. 46E-36	-0. 61318	0. 109	0. 337	3. 68E-32	Opc-G	TPP1
NCBP2. 8	2. 51E-36	0. 317911	0. 613	0. 429	3. 75E-32	Opc-G	NCBP2
PPP1R14B. 2	5. 1E-36	0. 376542	0. 53	0. 332	3. 75E-32	Opc-G	PPP1R14B
SPOCD1. 8	2. 85E-36	-0. 83175	0. 03	0. 23	4. 25E-32	Opc-G	SPOCD1
PLIN2. 8	3. 11E-36	-0. 88792	0. 146	0. 355	4. 64E-32	Opc-G	PLIN2
CASP4. 10	3. 37E-36	-0. 64107	0. 036	0. 241	5. 04E-32	Opc-G	CASP4
MMP2. 6	3. 44E-36	0. 405127	0. 393	0. 216	5. 15E-32	Opc-G	MMP2
UNC93B1. 1	4. 37E-36	-0. 59208	0. 02	0. 213	6. 54E-32	Opc-G	UNC93B1
IL18. 10	4. 52E-36	-0. 81085	0. 016	0. 205	6. 76E-32	Opc-G	IL18
RGS19. 10	4. 97E-36	-0. 62922	0. 075	0. 289	7. 42E-32	Opc-G	RGS19
COPS6. 6	5. 22E-36	0. 225347	0. 788	0. 592	7. 80E-32	Opc-G	COPS6
LINC00643	5. 56E-36	0. 206852	0. 072	0. 012	8. 31E-32	Opc-G	LINC00643
CASP1. 9	6. 93E-36	-0. 64611	0. 036	0. 239	1. 04E-31	Opc-G	CASP1
OLFML3. 9	8. 73E-36	-0. 78708	0. 04	0. 239	1. 30E-31	Opc-G	OLFML3
APC2. 9	9. 76E-36	0. 474625	0. 29	0. 138	1. 46E-31	Opc-G	APC2
ZNHIT1. 3	1. 34E-35	0. 192368	0. 836	0. 639	2. 00E-31	Opc-G	ZNHIT1
TCEAL4. 8	1. 37E-35	0. 252132	0. 743	0. 56	2. 04E-31	Opc-G	TCEAL4
HSP90AB1. 1	1. 68E-35	0. 139126	0. 933	0. 813	2. 51E-31	Opc-G	HSP90AB1
PDE9A. 6	1. 77E-35	0. 332919	0. 182	0. 063	2. 64E-31	Opc-G	PDE9A
MOB3B. 7	2. 05E-35	0. 313426	0. 223	0. 085	3. 06E-31	Opc-G	MOB3B
SMARCA4. 9	2. 22E-35	0. 362172	0. 534	0. 349	3. 32E-31	Opc-G	SMARCA4
TMBIM1. 7	2. 59E-35	-0. 5917	0. 049	0. 257	3. 88E-31	Opc-G	TMBIM1
QKI. 7	2. 76E-35	0. 27658	0. 66	0. 458	4. 12E-31	Opc-G	QKI
CALCRL. 2	2. 92E-35	0. 275029	0. 128	0. 035	4. 37E-31	Opc-G	CALCRL
SLC29A4. 7	2. 93E-35	0. 362607	0. 198	0. 075	4. 38E-31	Opc-G	SLC29A4
CSF2RA. 9	3. 97E-35	-0. 82045	0. 026	0. 214	5. 94E-31	Opc-G	CSF2RA
ARPC1A. 8	4. 19E-35	0. 214958	0. 738	0. 546	6. 26E-31	Opc-G	ARPC1A
FEZ1. 9	4. 35E-35	0. 269959	0. 645	0. 415	6. 50E-31	Opc-G	FEZ1
BCAR1. 8	8. 29E-35	0. 421508	0. 317	0. 162	1. 24E-30	Opc-G	BCAR1
S100A9. 10	8. 43E-35	-0. 96558	0. 045	0. 236	1. 26E-30	Opc-G	S100A9
PSAT1. 9	8. 68E-35	0. 369854	0. 367	0. 192	1. 30E-30	Opc-G	PSAT1
LIMS1. 10	8. 82E-35	-0. 59406	0. 23	0. 454	1. 32E-30	Opc-G	LIMS1
ABI3. 10	8. 89E-35	-0. 75087	0. 018	0. 201	1. 33E-30	Opc-G	ABI3
NEK6. 6	1. 01E-34	-0. 52623	0. 087	0. 303	1. 51E-30	Opc-G	NEK6
H2AFJ. 10	1. 02E-34	-0. 6307	0. 066	0. 272	1. 52E-30	Opc-G	H2AFJ
JUN. 7	1. 04E-34	0. 28079	0. 796	0. 664	1. 55E-30	Opc-G	JUN
ZNF423	1. 12E-34	0. 176239	0. 079	0. 015	1. 67E-30	Opc-G	ZNF423
KCNK2	1. 24E-34	0. 129611	0. 059	0. 009	1. 85E-30	Opc-G	KCNK2
EMILIN3. 5	1. 47E-34	0. 300126	0. 108	0. 027	2. 20E-30	Opc-G	EMILIN3
ADAP2. 10	1. 71E-34	-0. 72588	0. 015	0. 195	2. 55E-30	Opc-G	ADAP2
CPLX1. 7	1. 84E-34	0. 353481	0. 128	0. 036	2. 75E-30	Opc-G	CPLX1

TCEAL5. 8	1. 90E-34	0. 355934	0. 264	0. 111	2. 83E-30	Opc-G	TCEAL5
CTSD. 8	2. 06E-34	-0. 56754	0. 497	0. 649	3. 08E-30	Opc-G	CTSD
LTC4S. 10	2. 56E-34	-0. 70737	0. 004	0. 179	3. 83E-30	Opc-G	LTC4S
PCMTD2. 8	2. 85E-34	0. 430839	0. 378	0. 217	4. 25E-30	Opc-G	PCMTD2
ARL2BP. 7	2. 89E-34	0. 342169	0. 568	0. 394	4. 31E-30	Opc-G	ARL2BP
OCIAD1. 6	2. 98E-34	0. 199086	0. 791	0. 626	4. 45E-30	Opc-G	OCIAD1
MNDA. 10	3. 28E-34	-0. 75206	0. 01	0. 188	4. 91E-30	Opc-G	MNDA
DUSP9	3. 42E-34	0. 17158	0. 045	0. 005	5. 11E-30	Opc-G	DUSP9
FAM19A5. 7	3. 74E-34	0. 313766	0. 138	0. 041	5. 58E-30	Opc-G	FAM19A5
CLIP3. 9	3. 97E-34	0. 404628	0. 351	0. 187	5. 94E-30	Opc-G	CLIP3
HNRNPDL. 5	4. 43E-34	0. 131829	0. 929	0. 789	6. 62E-30	Opc-G	HNRNPDL
TIA1. 10	4. 81E-34	0. 404479	0. 404	0. 238	7. 18E-30	Opc-G	TIA1
PLEKHH2. 5	4. 87E-34	0. 329958	0. 173	0. 062	7. 29E-30	Opc-G	PLEKHH2
PUF60. 6	5. 95E-34	0. 251642	0. 72	0. 53	8. 89E-30	Opc-G	PUF60
HLA-DQA2. 6	6. 13E-34	-0. 9774	0. 008	0. 183	9. 16E-30	Opc-G	HLA-DQA2
FGL2. 10	6. 16E-34	-0. 74294	0. 011	0. 188	9. 21E-30	Opc-G	FGL2
HN1. 5	8. 08E-34	0. 217625	0. 861	0. 663	1. 21E-29	Opc-G	HN1
FOLR2. 10	8. 34E-34	-0. 93933	0. 012	0. 189	1. 25E-29	Opc-G	FOLR2
DNAJB6. 3	9. 37E-34	0. 175048	0. 855	0. 699	1. 40E-29	Opc-G	DNAJB6
AXL. 9	1. 00E-33	-0. 73792	0. 014	0. 192	1. 50E-29	Opc-G	AXL
NAP1L4. 7	1. 01E-33	0. 323244	0. 572	0. 392	1. 51E-29	Opc-G	NAP1L4
OLFM2. 8	1. 11E-33	0. 4097	0. 35	0. 181	1. 66E-29	Opc-G	OLFM2
STRAP. 7	1. 11E-33	0. 244945	0. 732	0. 541	1. 66E-29	Opc-G	STRAP
EIF1B. 8	1. 13E-33	0. 238127	0. 757	0. 577	1. 69E-29	Opc-G	EIF1B
VBP1. 7	1. 33E-33	0. 265483	0. 664	0. 475	1. 99E-29	Opc-G	VBP1
C2orf80. 9	1. 38E-33	0. 416744	0. 25	0. 11	2. 06E-29	Opc-G	C2orf80
FCGR1B. 9	1. 40E-33	-0. 80104	0. 003	0. 174	2. 09E-29	Opc-G	FCGR1B
CCZ1. 7	1. 40E-33	0. 361066	0. 508	0. 34	2. 09E-29	Opc-G	CCZ1
IGFBP3. 8	1. 69E-33	-0. 7419	0. 023	0. 206	2. 53E-29	Opc-G	IGFBP3
INSM1. 10	1. 77E-33	0. 409673	0. 247	0. 108	2. 64E-29	Opc-G	INSM1
GULP1	1. 86E-33	0. 166515	0. 072	0. 013	2. 78E-29	Opc-G	GULP1
NUDT11. 8	1. 99E-33	0. 410447	0. 261	0. 117	2. 98E-29	Opc-G	NUDT11
ERH. 6	2. 03E-33	0. 16884	0. 884	0. 702	3. 03E-29	Opc-G	ERH
TPM3. 10	2. 40E-33	-0. 51292	0. 358	0. 571	3. 58E-29	Opc-G	TPM3
HERPUD1. 8	2. 45E-33	-0. 56057	0. 478	0. 653	3. 66E-29	Opc-G	HERPUD1
LAIR1. 10	2. 60E-33	-0. 80538	0. 056	0. 242	3. 89E-29	Opc-G	LAIR1
ATXN10. 6	2. 67E-33	0. 316555	0. 589	0. 41	3. 99E-29	Opc-G	ATXN10
GNG2. 6	2. 86E-33	0. 33397	0. 337	0. 169	4. 28E-29	Opc-G	GNG2
TNFRSF1B. 2	2. 95E-33	-0. 67241	0. 02	0. 199	4. 41E-29	Opc-G	TNFRSF1B
RP11-14N7	2. 98E-33	0. 414937	0. 354	0. 195	4. 46E-29	Opc-G	RP11-14N7. 2
PKIA. 10	3. 22E-33	0. 290134	0. 22	0. 085	4. 81E-29	Opc-G	PKIA
HSPD1. 9	3. 61E-33	0. 211514	0. 775	0. 604	5. 39E-29	Opc-G	HSPD1
CYBB. 10	3. 77E-33	-0. 74056	0. 025	0. 203	5. 64E-29	Opc-G	CYBB
PSD2. 6	3. 96E-33	0. 258688	0. 126	0. 035	5. 92E-29	Opc-G	PSD2
NIFK. 6	4. 48E-33	0. 329741	0. 514	0. 337	6. 69E-29	Opc-G	NIFK
MAPT-AS1. 4	4. 95E-33	0. 248892	0. 085	0. 018	7. 40E-29	Opc-G	MAPT-AS1
SIGIRR. 7	5. 28E-33	-0. 51078	0. 025	0. 207	7. 89E-29	Opc-G	SIGIRR
MAP3K8. 1C	5. 34E-33	-0. 70574	0. 018	0. 194	7. 98E-29	Opc-G	MAP3K8
RP11-713F	5. 65E-33	0. 208238	0. 098	0. 023	8. 45E-29	Opc-G	RP11-713P17. 3
PLEK. 10	5. 66E-33	-0. 75153	0. 012	0. 186	8. 46E-29	Opc-G	PLEK
GSX2	5. 80E-33	0. 180009	0. 064	0. 011	8. 66E-29	Opc-G	GSX2



KIAA1549.	6. 04E-33	0. 330634	0. 214	0. 086	9. 02E-29	Opc-G	KIAA1549
RBMX.	6. 53E-33	0. 216801	0. 725	0. 556	9. 75E-29	Opc-G	RBMX
REC8.	9. 37E-33	0. 317183	0. 189	0. 07	1. 40E-28	Opc-G	REC8
ZFP36.	7. 1. 01E-32	-0. 61223	0. 407	0. 584	1. 50E-28	Opc-G	ZFP36
TAF7.	9. 1. 05E-32	0. 231143	0. 739	0. 541	1. 58E-28	Opc-G	TAF7
TMEM35.	9. 1. 10E-32	0. 326493	0. 213	0. 084	1. 65E-28	Opc-G	TMEM35
ELF1.	10. 1. 20E-32	-0. 62777	0. 061	0. 256	1. 80E-28	Opc-G	ELF1
GBP2.	7. 1. 38E-32	-0. 64625	0. 034	0. 22	2. 06E-28	Opc-G	GBP2
COL9A2.	5. 1. 38E-32	0. 305281	0. 208	0. 081	2. 07E-28	Opc-G	COL9A2
FXYD1.	4. 1. 48E-32	0. 311904	0. 107	0. 027	2. 22E-28	Opc-G	FXYD1
PPDPF.	6. 1. 56E-32	0. 188284	0. 9	0. 698	2. 33E-28	Opc-G	PPDPF
MSR1.	10. 1. 60E-32	-0. 74265	0. 018	0. 191	2. 39E-28	Opc-G	MSR1
RNF149.	1C 1. 65E-32	-0. 64783	0. 087	0. 283	2. 46E-28	Opc-G	RNF149
RUNDC3A.	1. 1. 73E-32	0. 360873	0. 22	0. 089	2. 58E-28	Opc-G	RUNDC3A
TMEM106B.	1. 1. 90E-32	0. 334258	0. 495	0. 32	2. 84E-28	Opc-G	TMEM106B
STXBP2.	1C 2. 03E-32	-0. 67315	0. 012	0. 183	3. 03E-28	Opc-G	STXBP2
HEXB.	10. 2. 29E-32	-0. 51734	0. 197	0. 419	3. 43E-28	Opc-G	HEXB
SERP2.	8. 2. 32E-32	0. 342108	0. 225	0. 093	3. 47E-28	Opc-G	SERP2
PLXDC2.	1C 2. 65E-32	-0. 72619	0. 04	0. 22	3. 95E-28	Opc-G	PLXDC2
IGFBP2.	8. 3. 00E-32	0. 300354	0. 62	0. 358	4. 49E-28	Opc-G	IGFBP2
SOX1.	3. 17E-32	0. 157712	0. 066	0. 011	4. 74E-28	Opc-G	SOX1
CCT3.	7. 3. 20E-32	0. 216201	0. 742	0. 567	4. 79E-28	Opc-G	CCT3
RHBDF2.	1C 3. 32E-32	-0. 67754	0. 016	0. 188	4. 95E-28	Opc-G	RHBDF2
NRP2.	7. 3. 38E-32	-0. 47887	0. 042	0. 233	5. 06E-28	Opc-G	NRP2
MGST2.	10. 3. 41E-32	-0. 65678	0. 07	0. 266	5. 10E-28	Opc-G	MGST2
TERF2IP.	9. 3. 52E-32	0. 289498	0. 701	0. 505	5. 26E-28	Opc-G	TERF2IP
TUBB4A.	1C 3. 84E-32	0. 172949	0. 262	0. 108	5. 74E-28	Opc-G	TUBB4A
BCL11A.	7. 4. 00E-32	0. 253986	0. 138	0. 042	5. 98E-28	Opc-G	BCL11A
RGR.	4. 33E-32	0. 202957	0. 063	0. 011	6. 47E-28	Opc-G	RGR
TUBA1C.	8. 4. 44E-32	-0. 53276	0. 161	0. 394	6. 63E-28	Opc-G	TUBA1C
ATP6VOE1.	4. 77E-32	-0. 45794	0. 652	0. 768	7. 12E-28	Opc-G	ATP6VOE1
RHO.	8. 4. 81E-32	0. 39312	0. 269	0. 125	7. 18E-28	Opc-G	RHO
CLEC7A.	1C 4. 81E-32	-0. 70354	0. 015	0. 186	7. 19E-28	Opc-G	CLEC7A
CCDC136.	8. 4. 92E-32	0. 317559	0. 209	0. 083	7. 36E-28	Opc-G	CCDC136
NR4A2.	10. 5. 95E-32	-0. 79004	0. 079	0. 263	8. 89E-28	Opc-G	NR4A2
STAB1.	9. 7. 65E-32	-0. 7282	0. 007	0. 172	1. 14E-27	Opc-G	STAB1
RARRES2.	9. 1. 01E-31	0. 111136	0. 313	0. 138	1. 51E-27	Opc-G	RARRES2
OPHN1.	8. 1. 15E-31	0. 365168	0. 175	0. 064	1. 71E-27	Opc-G	OPHN1
GTF2IRD2E.	1. 16E-31	0. 32724	0. 275	0. 128	1. 73E-27	Opc-G	GTF2IRD2B
TNFRSF12A.	1. 27E-31	-0. 57474	0. 096	0. 3	1. 89E-27	Opc-G	TNFRSF12A
SMDT1.	4. 1. 40E-31	0. 261525	0. 719	0. 548	2. 09E-27	Opc-G	SMDT1
FAM26F.	1C 1. 51E-31	-0. 63825	0. 011	0. 177	2. 26E-27	Opc-G	FAM26F
RRBP1.	5. 1. 70E-31	-0. 48853	0. 102	0. 31	2. 54E-27	Opc-G	RRBP1
TM6SF1.	1C 1. 72E-31	-0. 73196	0. 005	0. 168	2. 57E-27	Opc-G	TM6SF1
PAK7.	9. 1. 80E-31	0. 225879	0. 135	0. 041	2. 69E-27	Opc-G	PAK7
ARPC3.	8. 2. 30E-31	-0. 40325	0. 71	0. 81	3. 44E-27	Opc-G	ARPC3
LINC00632.	2. 44E-31	0. 31166	0. 212	0. 083	3. 64E-27	Opc-G	LINC00632
IL1B.	9. 2. 44E-31	-0. 82055	0. 055	0. 233	3. 65E-27	Opc-G	IL1B
LYN.	10. 2. 88E-31	-0. 56951	0. 015	0. 184	4. 30E-27	Opc-G	LYN
RAP1A.	10. 2. 99E-31	-0. 54972	0. 314	0. 529	4. 47E-27	Opc-G	RAP1A
PGM5.	2. 3. 01E-31	0. 177177	0. 094	0. 022	4. 50E-27	Opc-G	PGM5

ING3. 5	3. 04E-31	0. 340757	0. 335	0. 175	4. 54E-27	Opc-G	ING3
RDH11. 4	3. 52E-31	0. 294335	0. 551	0. 377	5. 27E-27	Opc-G	RDH11
PARVG. 10	3. 63E-31	-0. 6772	0. 008	0. 172	5. 42E-27	Opc-G	PARVG
SEPT7. 10	4. 02E-31	0. 163628	0. 854	0. 693	6. 01E-27	Opc-G	7-Sep
CYSTM1. 9	4. 22E-31	-0. 54651	0. 124	0. 338	6. 31E-27	Opc-G	CYSTM1
EIF1AY. 8	4. 61E-31	0. 42543	0. 314	0. 169	6. 88E-27	Opc-G	EIF1AY
SLC31A2. 1	4. 92E-31	-0. 69181	0. 03	0. 203	7. 35E-27	Opc-G	SLC31A2
SIGLEC10. 5	5. 19E-31	-0. 67145	0. 01	0. 172	7. 76E-27	Opc-G	SIGLEC10
SEMA5A. 7	5. 72E-31	0. 34748	0. 223	0. 096	8. 55E-27	Opc-G	SEMA5A
FHL1. 10	5. 94E-31	0. 321182	0. 537	0. 345	8. 87E-27	Opc-G	FHL1
FERMT3. 1C	6. 51E-31	-0. 64564	0. 012	0. 177	9. 73E-27	Opc-G	FERMT3
SLC37A3. 7	6. 79E-31	0. 34958	0. 26	0. 121	1. 01E-26	Opc-G	SLC37A3
CARD16. 8	7. 00E-31	-0. 61041	0. 052	0. 241	1. 05E-26	Opc-G	CARD16
RP11-588G	7. 07E-31	0. 142902	0. 046	0. 006	1. 06E-26	Opc-G	RP11-588G21. 2
RNASE2. 1C	7. 13E-31	-0. 76277	0. 007	0. 168	1. 07E-26	Opc-G	RNASE2
BHLHE40. 8	7. 29E-31	-0. 53437	0. 029	0. 204	1. 09E-26	Opc-G	BHLHE40
NLGN2. 7	7. 74E-31	0. 361137	0. 202	0. 084	1. 16E-26	Opc-G	NLGN2
GATS. 7	9. 48E-31	0. 255924	0. 161	0. 056	1. 42E-26	Opc-G	GATS
YBX1. 6	1. 04E-30	0. 167575	0. 888	0. 755	1. 56E-26	Opc-G	YBX1
GTF2I. 9	1. 20E-30	0. 367519	0. 544	0. 419	1. 80E-26	Opc-G	GTF2I
EPHB1. 6	1. 28E-30	0. 254996	0. 131	0. 04	1. 91E-26	Opc-G	EPHB1
SLC7A7. 1C	1. 49E-30	-0. 69476	0. 019	0. 185	2. 22E-26	Opc-G	SLC7A7
BCR. 4	1. 84E-30	0. 351306	0. 158	0. 057	2. 76E-26	Opc-G	BCR
KCTD12. 1C	2. 01E-30	-0. 58732	0. 064	0. 248	3. 00E-26	Opc-G	KCTD12
CNPY3. 10	2. 07E-30	-0. 59739	0. 219	0. 425	3. 10E-26	Opc-G	CNPY3
CCL2. 4	2. 16E-30	-0. 89523	0. 056	0. 237	3. 23E-26	Opc-G	CCL2
BRINP2. 7	2. 25E-30	0. 388481	0. 172	0. 066	3. 37E-26	Opc-G	BRINP2
TNFSF13B. 2	5. 0E-30	-0. 69838	0. 041	0. 214	3. 73E-26	Opc-G	TNFSF13B
ELAVL3. 1C	2. 81E-30	0. 398892	0. 47	0. 3	4. 20E-26	Opc-G	ELAVL3
SLITRK2. 5	2. 82E-30	0. 206401	0. 108	0. 029	4. 21E-26	Opc-G	SLITRK2
SCFD2. 3	3. 01E-30	0. 38956	0. 197	0. 081	4. 50E-26	Opc-G	SCFD2
SCAMP2. 1C	3. 08E-30	-0. 58605	0. 178	0. 387	4. 60E-26	Opc-G	SCAMP2
DPYSL4. 1C	3. 20E-30	0. 360451	0. 288	0. 145	4. 78E-26	Opc-G	DPYSL4
CHGA. 3	3. 47E-30	0. 247266	0. 093	0. 023	5. 18E-26	Opc-G	CHGA
RGS2. 8	3. 79E-30	-0. 78107	0. 298	0. 455	5. 66E-26	Opc-G	RGS2
FCGBP. 9	3. 98E-30	-0. 84821	0. 064	0. 24	5. 95E-26	Opc-G	FCGBP
RP11-390E	4. 57E-30	0. 380247	0. 249	0. 116	6. 83E-26	Opc-G	RP11-390E23. 6
LRRTM2. 8	4. 99E-30	0. 365104	0. 217	0. 095	7. 46E-26	Opc-G	LRRTM2
AGTRAP. 6	5. 16E-30	-0. 53024	0. 09	0. 294	7. 71E-26	Opc-G	AGTRAP
GAA. 9	6. 32E-30	-0. 50221	0. 124	0. 333	9. 44E-26	Opc-G	GAA
CMTM7. 10	6. 44E-30	-0. 56563	0. 014	0. 174	9. 63E-26	Opc-G	CMTM7
SH3BP4. 3	6. 68E-30	0. 310041	0. 18	0. 07	9. 98E-26	Opc-G	SH3BP4
PILRA. 9	7. 42E-30	-0. 72934	0. 015	0. 175	1. 11E-25	Opc-G	PILRA
CSRP1. 7	7. 80E-30	-0. 53757	0. 061	0. 25	1. 17E-25	Opc-G	CSRP1
ARPC5. 9	9. 28E-30	-0. 45008	0. 527	0. 682	1. 39E-25	Opc-G	ARPC5
AIF1L. 9	9. 37E-30	0. 260272	0. 243	0. 105	1. 40E-25	Opc-G	AIF1L
LGMN. 9	9. 94E-30	-0. 65614	0. 165	0. 363	1. 48E-25	Opc-G	LGMN
FYB. 10	1. 04E-29	-0. 71678	0. 059	0. 234	1. 55E-25	Opc-G	FYB
GDI1. 9	1. 09E-29	0. 251687	0. 656	0. 474	1. 63E-25	Opc-G	GDI1
MAGED2. 1C	1. 12E-29	0. 252773	0. 678	0. 497	1. 68E-25	Opc-G	MAGED2
ENHO. 9	1. 24E-29	0. 421202	0. 277	0. 142	1. 85E-25	Opc-G	ENHO

LITAF.10	1.44E-29	-0.63256	0.284	0.471	2.15E-25	Opc-G	LITAF
MYO1F.10	1.45E-29	-0.64822	0.027	0.194	2.17E-25	Opc-G	MYO1F
XRCC5.9	1.57E-29	0.223147	0.712	0.55	2.35E-25	Opc-G	XRCC5
TMEM176A.1	1.60E-29	-0.70288	0.06	0.238	2.39E-25	Opc-G	TMEM176A
RNPS1.5	1.61E-29	0.221689	0.687	0.524	2.40E-25	Opc-G	RNPS1
WAS.10	1.61E-29	-0.64758	0.022	0.185	2.40E-25	Opc-G	WAS
LINC01094	1.88E-29	-0.6689	0.008	0.163	2.81E-25	Opc-G	LINC01094
SMARCD3.9	2.20E-29	0.384817	0.37	0.222	3.28E-25	Opc-G	SMARCD3
OCIAD2.9	2.21E-29	-0.68387	0.187	0.401	3.30E-25	Opc-G	OCIAD2
GSDMD.9	2.40E-29	-0.47864	0.026	0.195	3.59E-25	Opc-G	GSDMD
TREM1.9	2.59E-29	-0.78889	0.015	0.174	3.87E-25	Opc-G	TREM1
CAV2.5	2.80E-29	0.235834	0.126	0.038	4.19E-25	Opc-G	CAV2
C3orf70.9	3.00E-29	0.364818	0.213	0.093	4.48E-25	Opc-G	C3orf70
SMIM18.9	3.62E-29	0.270102	0.157	0.055	5.41E-25	Opc-G	SMIM18
CREG1.10	3.76E-29	-0.56223	0.119	0.309	5.62E-25	Opc-G	CREG1
TMEM196.2	3.91E-29	0.178118	0.094	0.024	5.84E-25	Opc-G	TMEM196
ARHGAP18.4	2.22E-29	-0.60537	0.02	0.182	6.30E-25	Opc-G	ARHGAP18
APOC1.9	4.77E-29	-0.80674	0.428	0.522	7.13E-25	Opc-G	APOC1
CDKN1A.8	5.47E-29	-0.63475	0.128	0.319	8.18E-25	Opc-G	CDKN1A
HCK.10	7.09E-29	-0.64084	0.019	0.177	1.06E-24	Opc-G	HCK
TTYH1.10	7.53E-29	0.31379	0.449	0.256	1.13E-24	Opc-G	TTYH1
KIRREL3.2	7.67E-29	0.193269	0.092	0.023	1.15E-24	Opc-G	KIRREL3
GDAP1.9	7.69E-29	0.336081	0.288	0.143	1.15E-24	Opc-G	GDAP1
MPLKIP.6	8.44E-29	0.271408	0.596	0.435	1.26E-24	Opc-G	MPLKIP
SQRDL.10	9.23E-29	-0.57893	0.014	0.17	1.38E-24	Opc-G	SQRDL
UPP1.9	9.81E-29	-0.55211	0.078	0.266	1.47E-24	Opc-G	UPP1
LINC01117	1.10E-28	0.188416	0.079	0.018	1.65E-24	Opc-G	LINC01117
CAPZB.9	1.14E-28	-0.45546	0.575	0.71	1.70E-24	Opc-G	CAPZB
ZNF677.7	1.21E-28	0.314883	0.34	0.188	1.80E-24	Opc-G	ZNF677
NANS.10	1.22E-28	-0.57594	0.171	0.372	1.83E-24	Opc-G	NANS
C7orf26.8	1.26E-28	0.353114	0.29	0.149	1.88E-24	Opc-G	C7orf26
ARPP21.7	1.38E-28	0.279216	0.135	0.044	2.06E-24	Opc-G	ARPP21
PTPN6.10	1.49E-28	-0.62381	0.016	0.172	2.22E-24	Opc-G	PTPN6
CORO1C.6	1.62E-28	0.331539	0.52	0.363	2.42E-24	Opc-G	CORO1C
PCDH17.8	1.71E-28	0.373202	0.324	0.183	2.55E-24	Opc-G	PCDH17
S100A8.10	1.77E-28	-0.86668	0.034	0.195	2.65E-24	Opc-G	S100A8
PAICS.9	2.02E-28	0.359401	0.449	0.299	3.01E-24	Opc-G	PAICS
VAMP3.7	2.03E-28	-0.52531	0.156	0.361	3.03E-24	Opc-G	VAMP3
PLA2G16.8	2.36E-28	-0.60637	0.208	0.417	3.52E-24	Opc-G	PLA2G16
APBB1IP.1	2.37E-28	-0.61651	0.014	0.166	3.55E-24	Opc-G	APBB1IP
DUSP23.9	2.38E-28	-0.58858	0.033	0.198	3.55E-24	Opc-G	DUSP23
STC2.5	2.53E-28	0.346822	0.119	0.036	3.78E-24	Opc-G	STC2
COX6A1.6	2.80E-28	0.103986	0.97	0.836	4.19E-24	Opc-G	COX6A1
MPPED2.8	3.31E-28	0.305217	0.198	0.082	4.94E-24	Opc-G	MPPED2
TFAP2A.7	3.32E-28	0.209828	0.111	0.032	4.96E-24	Opc-G	TFAP2A
POLR2B.8	3.50E-28	0.444192	0.396	0.253	5.23E-24	Opc-G	POLR2B
ZNF680.8	3.68E-28	0.337716	0.309	0.165	5.49E-24	Opc-G	ZNF680
ACHE.6	4.32E-28	0.232552	0.123	0.038	6.46E-24	Opc-G	ACHE
IGSF6.10	4.60E-28	-0.68053	0.012	0.163	6.87E-24	Opc-G	IGSF6
ANKS1B.9	4.86E-28	0.232114	0.234	0.099	7.27E-24	Opc-G	ANKS1B
POP7.8	5.22E-28	0.282629	0.544	0.384	7.80E-24	Opc-G	POP7

PRDX6.6	5.38E-28	-0.54038	0.489	0.633	8.03E-24	Opc-G	PRDX6
HOXC9.10	5.99E-28	0.271346	0.197	0.078	8.95E-24	Opc-G	HOXC9
PARVB.10	6.02E-28	-0.4423	0.018	0.174	8.99E-24	Opc-G	PARVB
NDUFB11.3	6.27E-28	0.145926	0.881	0.725	9.37E-24	Opc-G	NDUFB11
SMARCE1.7	6.35E-28	0.285882	0.53	0.368	9.48E-24	Opc-G	SMARCE1
CD302.10	6.55E-28	-0.61094	0.048	0.215	9.78E-24	Opc-G	CD302
APBA2.10	7.06E-28	0.383862	0.34	0.198	1.05E-23	Opc-G	APBA2
MATR3.9	7.20E-28	0.280397	0.638	0.476	1.08E-23	Opc-G	MATR3
IFI35.8	7.26E-28	-0.44956	0.059	0.243	1.08E-23	Opc-G	IFI35
MTSS1.6	7.26E-28	0.295268	0.372	0.202	1.09E-23	Opc-G	MTSS1
C8orf33.6	7.39E-28	0.324812	0.462	0.309	1.10E-23	Opc-G	C8orf33
PCBP1.7	7.85E-28	0.228935	0.719	0.579	1.17E-23	Opc-G	PCBP1
PLAU.10	8.22E-28	-0.48851	0.018	0.173	1.23E-23	Opc-G	PLAU
TBCA.8	8.29E-28	0.155468	0.878	0.699	1.24E-23	Opc-G	TBCA
CSF3R.9	8.33E-28	-0.66188	0.012	0.162	1.24E-23	Opc-G	CSF3R
FAM212B-A	8.44E-28	0.206362	0.082	0.019	1.26E-23	Opc-G	FAM212B-AS1
PKM.7	9.01E-28	-0.39302	0.727	0.773	1.35E-23	Opc-G	PKM
RP11-536C	9.54E-28	0.168058	0.052	0.008	1.43E-23	Opc-G	RP11-536018.1
PPM1G.9	1.04E-27	0.304608	0.563	0.409	1.55E-23	Opc-G	PPM1G
CALM1.10	1.20E-27	0.16333	0.923	0.762	1.79E-23	Opc-G	CALM1
IRF8.10	1.31E-27	-0.61874	0.016	0.168	1.95E-23	Opc-G	IRF8
CD69.7	1.37E-27	-0.76078	0.014	0.163	2.05E-23	Opc-G	CD69
SIRT2.8	1.45E-27	0.275144	0.557	0.407	2.17E-23	Opc-G	SIRT2
IGLON5.6	1.45E-27	0.199792	0.131	0.042	2.17E-23	Opc-G	IGLON5
SLC44A1.7	1.45E-27	0.336269	0.46	0.304	2.17E-23	Opc-G	SLC44A1
CSMD1	1.48E-27	0.159052	0.066	0.013	2.21E-23	Opc-G	CSMD1
MKRN3.6	1.63E-27	0.238712	0.123	0.039	2.44E-23	Opc-G	MKRN3
SLC2A5.1C	1.70E-27	-0.74601	0.026	0.18	2.55E-23	Opc-G	SLC2A5
AP1S1.9	1.75E-27	0.258006	0.622	0.457	2.62E-23	Opc-G	AP1S1
NDUFB9.4	1.90E-27	0.18099	0.844	0.679	2.84E-23	Opc-G	NDUFB9
CD4.10	2.06E-27	-0.61293	0.015	0.164	3.08E-23	Opc-G	CD4
KHDRBS1.8	2.15E-27	0.280565	0.637	0.476	3.21E-23	Opc-G	KHDRBS1
SERPINB9	2.23E-27	-0.60897	0.01	0.156	3.33E-23	Opc-G	SERPINB9
PTGS1.10	2.62E-27	-0.52072	0.015	0.166	3.92E-23	Opc-G	PTGS1
MAML2.9	2.65E-27	0.374718	0.328	0.189	3.96E-23	Opc-G	MAML2
PTBP2.8	2.73E-27	0.290161	0.221	0.098	4.08E-23	Opc-G	PTBP2
ZMIZ1.3	2.75E-27	0.321354	0.265	0.13	4.10E-23	Opc-G	ZMIZ1
CTNNA2.7	2.86E-27	0.275592	0.148	0.052	4.28E-23	Opc-G	CTNNA2
RP11-259K	2.90E-27	0.18334	0.075	0.017	4.34E-23	Opc-G	RP11-259K15.2
DNM3.8	2.92E-27	0.282839	0.195	0.081	4.36E-23	Opc-G	DNM3
CBX2.6	3.07E-27	0.314129	0.158	0.061	4.58E-23	Opc-G	CBX2
SHFM1.6	3.08E-27	0.128063	0.887	0.712	4.61E-23	Opc-G	SHFM1
PSIP1.8	3.12E-27	0.304945	0.546	0.373	4.66E-23	Opc-G	PSIP1
SNCA.10	3.40E-27	-0.656	0.008	0.153	5.09E-23	Opc-G	SNCA
LRRN3.9	3.80E-27	0.325684	0.231	0.105	5.67E-23	Opc-G	LRRN3
RARRES3.5	3.88E-27	-0.59054	0.072	0.255	5.80E-23	Opc-G	RARRES3
CCDC28B.9	3.91E-27	0.412512	0.354	0.21	5.84E-23	Opc-G	CCDC28B
SSR3.9	4.03E-27	-0.52346	0.336	0.539	6.02E-23	Opc-G	SSR3
CD58.10	4.13E-27	-0.51671	0.063	0.238	6.17E-23	Opc-G	CD58
NAE1.7	4.88E-27	0.327402	0.484	0.331	7.29E-23	Opc-G	NAE1
ARRB2.10	5.17E-27	-0.58437	0.223	0.412	7.72E-23	Opc-G	ARRB2

DYNC1LI2.	5.78E-27	0.333162	0.485	0.335	8.63E-23	Opc-G	DYNC1LI2
CAST.7	6.32E-27	-0.45228	0.134	0.33	9.44E-23	Opc-G	CAST
MAP1A.9	6.87E-27	0.391155	0.363	0.221	1.03E-22	Opc-G	MAP1A
ENG.10	6.90E-27	-0.56915	0.023	0.174	1.03E-22	Opc-G	ENG
COL11A1	7.42E-27	0.153582	0.068	0.014	1.11E-22	Opc-G	COL11A1
PROM1	8.46E-27	0.194505	0.086	0.022	1.26E-22	Opc-G	PROM1
YIPF6.6	1.01E-26	0.284405	0.46	0.303	1.51E-22	Opc-G	YIPF6
RB1.10	1.02E-26	-0.55468	0.133	0.316	1.53E-22	Opc-G	RB1
DHRS3.8	1.05E-26	-0.554	0.026	0.181	1.57E-22	Opc-G	DHRS3
BCL2A1.1C	1.09E-26	-0.63324	0.019	0.166	1.63E-22	Opc-G	BCL2A1
NCF4.10	1.11E-26	-0.64679	0.011	0.155	1.65E-22	Opc-G	NCF4
NUPL2.6	1.16E-26	0.319562	0.411	0.259	1.74E-22	Opc-G	NUPL2
AGPAT2.1C	1.18E-26	-0.3992	0.03	0.189	1.76E-22	Opc-G	AGPAT2
RAB34.6	1.31E-26	-0.48451	0.108	0.295	1.95E-22	Opc-G	RAB34
SNRPF.6	1.32E-26	0.203631	0.697	0.537	1.97E-22	Opc-G	SNRPF
RP11-143A	1.38E-26	0.119027	0.034	0.004	2.06E-22	Opc-G	RP11-143A12.3
NES.10	1.46E-26	0.310842	0.456	0.264	2.19E-22	Opc-G	NES
SCIN.10	1.49E-26	-0.71839	0.015	0.16	2.22E-22	Opc-G	SCIN
SORL1.8	1.63E-26	-0.57635	0.068	0.238	2.44E-22	Opc-G	SORL1
LINC01116	1.73E-26	0.401225	0.25	0.125	2.59E-22	Opc-G	LINC01116
PNN.7	1.76E-26	0.267178	0.545	0.392	2.63E-22	Opc-G	PNN
SPTLC2.1C	2.20E-26	-0.55384	0.056	0.22	3.29E-22	Opc-G	SPTLC2
RUFY3.9	2.33E-26	0.330164	0.455	0.295	3.48E-22	Opc-G	RUFY3
EXOC1.6	2.50E-26	0.412588	0.38	0.24	3.73E-22	Opc-G	EXOC1
ARL9.9	2.51E-26	0.401175	0.209	0.097	3.75E-22	Opc-G	ARL9
EIF5B.5	2.59E-26	0.201314	0.653	0.513	3.88E-22	Opc-G	EIF5B
CALD1.8	2.78E-26	0.205897	0.596	0.408	4.15E-22	Opc-G	CALD1
SLC25A4.1	2.81E-26	0.25984	0.586	0.416	4.20E-22	Opc-G	SLC25A4
ADD2.8	2.88E-26	0.302574	0.191	0.081	4.31E-22	Opc-G	ADD2
MKRN1.9	3.20E-26	0.296845	0.56	0.398	4.78E-22	Opc-G	MKRN1
MMP14.8	3.53E-26	-0.46569	0.061	0.232	5.28E-22	Opc-G	MMP14
TRIM13.6	3.54E-26	0.301578	0.399	0.239	5.29E-22	Opc-G	TRIM13
DLX5.10	3.59E-26	0.343949	0.284	0.134	5.37E-22	Opc-G	DLX5
PMP22.8	3.74E-26	-0.48629	0.23	0.441	5.59E-22	Opc-G	PMP22
HBEGF.10	3.91E-26	-0.60329	0.061	0.226	5.84E-22	Opc-G	HBEGF
GTF2IRD2.	4.02E-26	0.321382	0.231	0.109	6.01E-22	Opc-G	GTF2IRD2
CH25H.6	4.16E-26	-0.7958	0.014	0.156	6.21E-22	Opc-G	CH25H
FBXO21.7	4.28E-26	0.313011	0.455	0.298	6.39E-22	Opc-G	FBXO21
REV3L.7	4.34E-26	0.385894	0.337	0.2	6.48E-22	Opc-G	REV3L
PLD4.10	4.80E-26	-0.67354	0.019	0.162	7.17E-22	Opc-G	PLD4
LRP6.9	4.95E-26	0.323157	0.223	0.105	7.39E-22	Opc-G	LRP6
SEPT6.8	5.03E-26	-0.45167	0.025	0.175	7.51E-22	Opc-G	6-Sep
RUNX1.9	5.03E-26	-0.44486	0.041	0.2	7.52E-22	Opc-G	RUNX1
RP11-332H	5.06E-26	0.370845	0.24	0.119	7.56E-22	Opc-G	RP11-332H14.2
NLGN1.8	5.07E-26	0.399877	0.251	0.13	7.57E-22	Opc-G	NLGN1
DTD1.9	5.16E-26	0.312792	0.545	0.381	7.71E-22	Opc-G	DTD1
PFKFB3.9	5.33E-26	-0.49569	0.081	0.255	7.96E-22	Opc-G	PFKFB3
LPCAT2.1C	5.74E-26	-0.53668	0.014	0.156	8.58E-22	Opc-G	LPCAT2
APP.9	5.98E-26	0.217547	0.72	0.511	8.93E-22	Opc-G	APP
RHOB.7	6.22E-26	0.251974	0.742	0.6	9.30E-22	Opc-G	RHOB
CHCHD10.8	6.35E-26	-0.45525	0.204	0.393	9.49E-22	Opc-G	CHCHD10

KMT2C. 7	6. 62E-26	0. 353454	0. 398	0. 252	9. 89E-22	Opc-G	KMT2C
PABPN1. 6	6. 87E-26	0. 299107	0. 495	0. 346	1. 03E-21	Opc-G	PABPN1
TCEA2. 9	7. 19E-26	0. 314719	0. 533	0. 357	1. 07E-21	Opc-G	TCEA2
HEXA. 9	7. 89E-26	-0. 52094	0. 205	0. 402	1. 18E-21	Opc-G	HEXA
ADAM28. 9	8. 82E-26	-0. 63511	0. 011	0. 15	1. 32E-21	Opc-G	ADAM28
CASP9. 4	9. 01E-26	0. 430657	0. 182	0. 078	1. 35E-21	Opc-G	CASP9
STRIP2	9. 58E-26	0. 168667	0. 072	0. 017	1. 43E-21	Opc-G	STRIP2
FOSL2. 9	1. 00E-25	-0. 44621	0. 038	0. 196	1. 49E-21	Opc-G	FOSL2
ACSL1. 9	1. 01E-25	-0. 57168	0. 072	0. 238	1. 50E-21	Opc-G	ACSL1
RHBDD2. 9	1. 02E-25	0. 238368	0. 609	0. 449	1. 52E-21	Opc-G	RHBDD2
TLN1. 10	1. 07E-25	-0. 46677	0. 112	0. 296	1. 60E-21	Opc-G	TLN1
GIMAP4. 1C	1. 26E-25	-0. 64834	0. 016	0. 159	1. 88E-21	Opc-G	GIMAP4
WIPI1. 8	1. 26E-25	-0. 47128	0. 038	0. 195	1. 88E-21	Opc-G	WIPI1
MLLT4. 8	1. 28E-25	0. 399833	0. 284	0. 154	1. 92E-21	Opc-G	MLLT4
RANBP1. 9	1. 34E-25	0. 21202	0. 745	0. 567	2. 00E-21	Opc-G	RANBP1
DHPS. 7	1. 38E-25	0. 261486	0. 596	0. 437	2. 06E-21	Opc-G	DHPS
CCND1. 6	1. 44E-25	0. 370778	0. 359	0. 21	2. 15E-21	Opc-G	CCND1
SERPINB6. 1	1. 52E-25	-0. 44558	0. 286	0. 491	2. 27E-21	Opc-G	SERPINB6
MFSD1. 10	1. 53E-25	-0. 5576	0. 171	0. 355	2. 28E-21	Opc-G	MFSD1
FAM129A. 6	1. 55E-25	-0. 37757	0. 01	0. 148	2. 32E-21	Opc-G	FAM129A
MZT2B. 6	1. 67E-25	0. 255846	0. 745	0. 583	2. 50E-21	Opc-G	MZT2B
SLN. 7	1. 81E-25	-0. 82885	0. 023	0. 171	2. 70E-21	Opc-G	SLN
FCGR2B. 1C	1. 86E-25	-0. 69769	0. 014	0. 153	2. 78E-21	Opc-G	FCGR2B
L1CAM. 6	1. 89E-25	0. 280685	0. 102	0. 03	2. 82E-21	Opc-G	L1CAM
NFKBIA. 9	1. 89E-25	-0. 50643	0. 344	0. 51	2. 83E-21	Opc-G	NFKBIA
HSPA2. 7	1. 89E-25	0. 28292	0. 247	0. 117	2. 83E-21	Opc-G	HSPA2
LCP1. 9	1. 92E-25	-0. 58401	0. 012	0. 151	2. 87E-21	Opc-G	LCP1
ACO05618. 6	2. 02E-25	0. 230297	0. 117	0. 038	3. 03E-21	Opc-G	ACO05618. 6
FAM105A. 1	2. 12E-25	-0. 59167	0. 026	0. 172	3. 17E-21	Opc-G	FAM105A
F13A1. 7	2. 20E-25	-0. 78904	0. 023	0. 168	3. 29E-21	Opc-G	F13A1
CRISPLD1. 1	2. 35E-25	0. 361849	0. 19	0. 083	3. 50E-21	Opc-G	CRISPLD1
GPNMB. 9	2. 43E-25	-0. 71225	0. 056	0. 21	3. 63E-21	Opc-G	GPNMB
RBPJ. 8	2. 63E-25	0. 257308	0. 616	0. 459	3. 92E-21	Opc-G	RBPJ
MLF2. 9	2. 83E-25	0. 189423	0. 791	0. 597	4. 23E-21	Opc-G	MLF2
CSTA. 10	2. 90E-25	-0. 54565	0. 004	0. 137	4. 33E-21	Opc-G	CSTA
HHIP-AS1. 1	3. 05E-25	0. 1495	0. 071	0. 016	4. 56E-21	Opc-G	HHIP-AS1
FRMD4B. 1C	3. 15E-25	-0. 55963	0. 023	0. 168	4. 71E-21	Opc-G	FRMD4B
NKAIN3. 9	3. 35E-25	0. 338868	0. 238	0. 117	5. 00E-21	Opc-G	NKAIN3
LSAMP. 8	3. 42E-25	0. 334109	0. 306	0. 163	5. 12E-21	Opc-G	LSAMP
DDIT3. 5	3. 43E-25	0. 351031	0. 542	0. 42	5. 12E-21	Opc-G	DDIT3
GPX3. 9	3. 43E-25	-0. 5397	0. 019	0. 162	5. 13E-21	Opc-G	GPX3
GPR65. 10	3. 47E-25	-0. 56208	0. 007	0. 142	5. 18E-21	Opc-G	GPR65
CITF22-92A. 6	3. 55E-25	0. 205162	0. 06	0. 012	5. 31E-21	Opc-G	CITF22-92A6. 1
CRIPT. 4	3. 69E-25	0. 311577	0. 46	0. 317	5. 52E-21	Opc-G	CRIPT
SBDS. 9	4. 04E-25	0. 135082	0. 772	0. 599	6. 04E-21	Opc-G	SBDS
HAMP. 10	4. 35E-25	-0. 79249	0. 027	0. 17	6. 50E-21	Opc-G	HAMP
P4HA1. 5	4. 44E-25	-0. 45092	0. 067	0. 235	6. 64E-21	Opc-G	P4HA1
MYEOV2. 4	4. 71E-25	0. 138343	0. 833	0. 663	7. 05E-21	Opc-G	MYEOV2
CXXC5. 10	4. 85E-25	0. 288132	0. 541	0. 369	7. 25E-21	Opc-G	CXXC5
SSR2. 4	5. 15E-25	0. 130152	0. 844	0. 705	7. 70E-21	Opc-G	SSR2
ELL2. 8	5. 21E-25	-0. 54398	0. 048	0. 202	7. 78E-21	Opc-G	ELL2

MYH9. 9	5. 25E-25	-0. 44588	0. 042	0. 198	7. 85E-21	Opc-G	MYH9
VCAN. 7	5. 39E-25	0. 311061	0. 391	0. 236	8. 05E-21	Opc-G	VCAN
SQSTM1. 6	5. 59E-25	-0. 43736	0. 37	0. 534	8. 35E-21	Opc-G	SQSTM1
LHFPL2. 9	5. 82E-25	-0. 48388	0. 025	0. 17	8. 70E-21	Opc-G	LHFPL2
BCL7A. 9	5. 84E-25	0. 327893	0. 272	0. 141	8. 73E-21	Opc-G	BCL7A
BSG. 9	5. 86E-25	0. 113205	0. 893	0. 731	8. 75E-21	Opc-G	BSG
TIMM13. 3	6. 01E-25	0. 229609	0. 766	0. 579	8. 98E-21	Opc-G	TIMM13
SRRM2. 5	7. 12E-25	0. 237527	0. 675	0. 523	1. 06E-20	Opc-G	SRRM2
NOA1. 6	7. 30E-25	0. 382874	0. 258	0. 135	1. 09E-20	Opc-G	NOA1
NAGA. 10	7. 59E-25	-0. 5169	0. 041	0. 194	1. 13E-20	Opc-G	NAGA
LINC00152	7. 80E-25	-0. 40201	0. 086	0. 27	1. 17E-20	Opc-G	LINC00152
BPGM. 6	8. 20E-25	0. 331118	0. 369	0. 225	1. 22E-20	Opc-G	BPGM
GNAS. 9	8. 54E-25	0. 198303	0. 831	0. 635	1. 28E-20	Opc-G	GNAS
FAH. 9	9. 17E-25	-0. 431	0. 022	0. 167	1. 37E-20	Opc-G	FAH
POLD2. 7	9. 67E-25	0. 223945	0. 568	0. 411	1. 45E-20	Opc-G	POLD2
RP9. 8	9. 68E-25	0. 363391	0. 302	0. 171	1. 45E-20	Opc-G	RP9
WRB. 9	1. 03E-24	0. 235786	0. 568	0. 41	1. 54E-20	Opc-G	WRB
DHX36. 8	1. 03E-24	0. 278292	0. 557	0. 417	1. 54E-20	Opc-G	DHX36
SULT1C4	1. 11E-24	0. 153454	0. 074	0. 018	1. 65E-20	Opc-G	SULT1C4
DYNLT3. 4	1. 21E-24	-0. 42127	0. 12	0. 306	1. 81E-20	Opc-G	DYNLT3
SMC04. 10	1. 29E-24	-0. 49475	0. 008	0. 141	1. 93E-20	Opc-G	SMC04
FAM57B. 9	1. 42E-24	0. 378891	0. 193	0. 085	2. 12E-20	Opc-G	FAM57B
KLF6. 8	1. 48E-24	-0. 53149	0. 377	0. 542	2. 21E-20	Opc-G	KLF6
OLFM1. 9	1. 64E-24	0. 361623	0. 27	0. 143	2. 44E-20	Opc-G	OLFM1
TNFAIP3. 1	1. 66E-24	-0. 62582	0. 03	0. 172	2. 48E-20	Opc-G	TNFAIP3
ALOX5. 10	1. 95E-24	-0. 54874	0. 012	0. 147	2. 92E-20	Opc-G	ALOX5
LAMP2. 7	1. 99E-24	-0. 50547	0. 296	0. 482	2. 97E-20	Opc-G	LAMP2
HEPACAM. 9	2. 04E-24	0. 265696	0. 313	0. 169	3. 04E-20	Opc-G	HEPACAM
YWHAG. 8	2. 14E-24	0. 292496	0. 529	0. 381	3. 20E-20	Opc-G	YWHAG
AKAP9. 8	2. 16E-24	0. 263336	0. 597	0. 44	3. 22E-20	Opc-G	AKAP9
ALKBH4. 7	2. 26E-24	0. 345484	0. 321	0. 19	3. 38E-20	Opc-G	ALKBH4
ARMCX3. 8	2. 33E-24	0. 261966	0. 567	0. 42	3. 49E-20	Opc-G	ARMCX3
RP11-262H	2. 39E-24	0. 327258	0. 227	0. 111	3. 58E-20	Opc-G	RP11-262H14. 4
AFF3. 6	2. 61E-24	0. 261911	0. 133	0. 047	3. 90E-20	Opc-G	AFF3
MSN. 10	2. 63E-24	-0. 44802	0. 193	0. 388	3. 94E-20	Opc-G	MSN
DSCAML1. 2	2. 67E-24	0. 181745	0. 087	0. 024	3. 99E-20	Opc-G	DSCAML1
NOC2L. 8	2. 81E-24	0. 314395	0. 447	0. 304	4. 20E-20	Opc-G	NOC2L
NDN. 9	2. 99E-24	-0. 2975	0. 046	0. 207	4. 47E-20	Opc-G	NDN
STMN3. 8	3. 22E-24	0. 323096	0. 451	0. 297	4. 81E-20	Opc-G	STMN3
TMEM200C	3. 47E-24	0. 109022	0. 059	0. 012	5. 19E-20	Opc-G	TMEM200C
EIF3H. 5	3. 47E-24	0. 177571	0. 802	0. 66	5. 19E-20	Opc-G	EIF3H
RP11-212F	3. 51E-24	0. 294018	0. 19	0. 085	5. 24E-20	Opc-G	RP11-212P7. 2
DDX18. 2	3. 60E-24	0. 186838	0. 648	0. 491	5. 38E-20	Opc-G	DDX18
CHI3L2. 6	3. 73E-24	-1. 13902	0. 044	0. 19	5. 58E-20	Opc-G	CHI3L2
TWF2. 10	3. 94E-24	-0. 46529	0. 167	0. 352	5. 89E-20	Opc-G	TWF2
SCAMP5. 8	4. 11E-24	0. 312533	0. 195	0. 089	6. 15E-20	Opc-G	SCAMP5
ENTPD1. 1C	4. 54E-24	-0. 59061	0. 03	0. 171	6. 78E-20	Opc-G	ENTPD1
NIN. 2	5. 13E-24	0. 313198	0. 239	0. 12	7. 67E-20	Opc-G	NIN
CLASP2. 9	5. 23E-24	0. 322948	0. 333	0. 188	7. 81E-20	Opc-G	CLASP2
HOXA-AS2. 5	5. 53E-24	0. 222575	0. 105	0. 033	8. 26E-20	Opc-G	HOXA-AS2
RP11-792A	5. 76E-24	0. 3564	0. 336	0. 202	8. 61E-20	Opc-G	RP11-792A8. 4

CFD. 9	6. 17E-24	-0. 62245	0. 027	0. 165	9. 23E-20	Opc-G	CFD
PCDHB10. 9	6. 74E-24	0. 29689	0. 208	0. 095	1. 01E-19	Opc-G	PCDHB10
TMEM173. 1	6. 80E-24	-0. 5603	0. 007	0. 134	1. 02E-19	Opc-G	TMEM173
DENND2A. 6	6. 88E-24	0. 333634	0. 191	0. 088	1. 03E-19	Opc-G	DENND2A
LSP1. 10	7. 05E-24	-0. 66347	0. 034	0. 175	1. 05E-19	Opc-G	LSP1
PDK4. 9	7. 15E-24	-0. 62483	0. 036	0. 178	1. 07E-19	Opc-G	PDK4
ICAM1. 8	1. 01E-23	-0. 49337	0. 03	0. 173	1. 50E-19	Opc-G	ICAM1
EPB41L2. 8	1. 06E-23	-0. 50568	0. 146	0. 322	1. 59E-19	Opc-G	EPB41L2
MAP4K4. 8	1. 08E-23	0. 301839	0. 384	0. 239	1. 61E-19	Opc-G	MAP4K4
BEX4. 8	1. 08E-23	0. 187543	0. 657	0. 464	1. 62E-19	Opc-G	BEX4
USP53. 10	1. 09E-23	-0. 54474	0. 016	0. 149	1. 62E-19	Opc-G	USP53
PSMB7. 5	1. 13E-23	0. 154539	0. 788	0. 63	1. 69E-19	Opc-G	PSMB7
CCNI. 7	1. 15E-23	0. 179016	0. 84	0. 697	1. 72E-19	Opc-G	CCNI
IL1RAP. 5	1. 16E-23	-0. 33915	0. 026	0. 169	1. 73E-19	Opc-G	IL1RAP
FUOM. 10	1. 21E-23	-0. 51972	0. 016	0. 149	1. 80E-19	Opc-G	FUOM
HIF3A	1. 25E-23	0. 214852	0. 077	0. 02	1. 86E-19	Opc-G	HIF3A
SWAP70. 1C	1. 39E-23	-0. 42839	0. 071	0. 232	2. 08E-19	Opc-G	SWAP70
TMEFF2. 1C	1. 44E-23	0. 271837	0. 173	0. 071	2. 15E-19	Opc-G	TMEFF2
ING4. 8	1. 68E-23	0. 318302	0. 399	0. 258	2. 52E-19	Opc-G	ING4
EIF3L. 5	1. 71E-23	0. 166285	0. 728	0. 598	2. 56E-19	Opc-G	EIF3L
DACT1. 3	1. 80E-23	0. 210964	0. 093	0. 027	2. 68E-19	Opc-G	DACT1
EPB41L4A-	1. 86E-23	0. 262785	0. 441	0. 284	2. 78E-19	Opc-G	EPB41L4A-AS1
HLA-F. 10	1. 92E-23	-0. 48668	0. 019	0. 155	2. 87E-19	Opc-G	HLA-F
RP11-307C	1. 99E-23	0. 105954	0. 031	0. 004	2. 98E-19	Opc-G	RP11-307C19. 2
NOVA1-AS1	2. 10E-23	0. 196991	0. 098	0. 03	3. 14E-19	Opc-G	NOVA1-AS1
NMT2. 7	2. 24E-23	0. 314452	0. 197	0. 091	3. 35E-19	Opc-G	NMT2
RNF213. 9	2. 26E-23	-0. 42632	0. 098	0. 272	3. 37E-19	Opc-G	RNF213
NRBF2. 5	2. 35E-23	-0. 40776	0. 108	0. 282	3. 51E-19	Opc-G	NRBF2
CD33. 10	2. 35E-23	-0. 5616	0. 004	0. 128	3. 51E-19	Opc-G	CD33
LANCL2. 9	2. 38E-23	0. 308756	0. 276	0. 144	3. 56E-19	Opc-G	LANCL2
MIR4458HG	2. 55E-23	0. 231883	0. 291	0. 151	3. 81E-19	Opc-G	MIR4458HG
TUBB6. 8	2. 57E-23	-0. 40763	0. 042	0. 193	3. 84E-19	Opc-G	TUBB6
ASRGL1. 8	2. 66E-23	0. 317962	0. 332	0. 192	3. 97E-19	Opc-G	ASRGL1
PTGER4. 9	2. 67E-23	-0. 53045	0. 007	0. 132	3. 99E-19	Opc-G	PTGER4
KISS1. 1	2. 70E-23	0. 164052	0. 033	0. 004	4. 04E-19	Opc-G	KISS1
RPS6KA1. 1	2. 71E-23	-0. 47966	0. 011	0. 139	4. 06E-19	Opc-G	RPS6KA1
SIRPA. 9	2. 89E-23	-0. 43435	0. 09	0. 254	4. 32E-19	Opc-G	SIRPA
EZH2. 9	3. 29E-23	0. 283855	0. 276	0. 145	4. 91E-19	Opc-G	EZH2
CISD3. 9	3. 52E-23	-0. 37327	0. 092	0. 264	5. 27E-19	Opc-G	CISD3
CDC34. 8	3. 67E-23	0. 357303	0. 357	0. 227	5. 48E-19	Opc-G	CDC34
EMC10. 5	3. 67E-23	0. 238838	0. 594	0. 44	5. 48E-19	Opc-G	EMC10
OSM. 9	3. 76E-23	-0. 67586	0. 022	0. 154	5. 62E-19	Opc-G	OSM
GRIA3. 7	3. 77E-23	0. 377558	0. 28	0. 161	5. 64E-19	Opc-G	GRIA3
FAM60A. 6	3. 88E-23	0. 326309	0. 294	0. 167	5. 80E-19	Opc-G	FAM60A
PQLC3. 9	4. 04E-23	-0. 38647	0. 045	0. 194	6. 03E-19	Opc-G	PQLC3
PHGDH. 9	4. 53E-23	0. 293537	0. 335	0. 191	6. 77E-19	Opc-G	PHGDH
VASP. 10	4. 65E-23	-0. 43245	0. 087	0. 25	6. 95E-19	Opc-G	VASP
PDXK. 9	4. 70E-23	-0. 38095	0. 119	0. 296	7. 03E-19	Opc-G	PDXK
BTF3L4. 3	4. 95E-23	0. 200421	0. 652	0. 502	7. 39E-19	Opc-G	BTF3L4
KIAA1755. 5	5. 20E-23	0. 12856	0. 061	0. 013	7. 77E-19	Opc-G	KIAA1755
ELAVL2. 1C	5. 20E-23	0. 208855	0. 178	0. 073	7. 77E-19	Opc-G	ELAVL2



BMP2	5. 51E-23	0. 177113	0. 067	0. 016	8. 24E-19	Opc-G	BMP2
SFRP2	5. 54E-23	0. 105359	0. 041	0. 006	8. 28E-19	Opc-G	SFRP2
TMSB15B. 9	5. 75E-23	0. 336541	0. 303	0. 173	8. 59E-19	Opc-G	TMSB15B
PTAFR. 10	5. 98E-23	-0. 52408	0. 008	0. 133	8. 94E-19	Opc-G	PTAFR
ANKRD46. 7	6. 03E-23	0. 304032	0. 279	0. 149	9. 02E-19	Opc-G	ANKRD46
CACNG4. 7	6. 59E-23	0. 230738	0. 124	0. 045	9. 85E-19	Opc-G	CACNG4
CNP. 8	6. 88E-23	0. 167332	0. 507	0. 368	1. 03E-18	Opc-G	CNP
KRT10. 6	6. 92E-23	0. 214868	0. 71	0. 548	1. 03E-18	Opc-G	KRT10
CHADL. 6	7. 42E-23	0. 148757	0. 113	0. 037	1. 11E-18	Opc-G	CHADL
H2AFV. 8	8. 07E-23	0. 225596	0. 663	0. 513	1. 21E-18	Opc-G	H2AFV
LPAR6. 10	8. 17E-23	-0. 58792	0. 093	0. 247	1. 22E-18	Opc-G	LPAR6
ZDHHC12. 1	8. 61E-23	-0. 45044	0. 102	0. 271	1. 29E-18	Opc-G	ZDHHC12
PTRF. 10	9. 00E-23	-0. 36771	0. 045	0. 194	1. 35E-18	Opc-G	PTRF
ZNF326. 7	9. 43E-23	0. 325653	0. 373	0. 239	1. 41E-18	Opc-G	ZNF326
RHEB. 4	1. 03E-22	0. 177166	0. 779	0. 628	1. 54E-18	Opc-G	RHEB
COPS8. 9	1. 06E-22	0. 209371	0. 604	0. 46	1. 59E-18	Opc-G	COPS8
CDH2. 9	1. 07E-22	0. 308104	0. 425	0. 275	1. 60E-18	Opc-G	CDH2
NFKBID. 8	1. 08E-22	-0. 52719	0. 019	0. 148	1. 61E-18	Opc-G	NFKBID
PREX1. 9	1. 09E-22	-0. 4282	0. 071	0. 228	1. 63E-18	Opc-G	PREX1
NCF1. 10	1. 10E-22	-0. 49169	0. 008	0. 131	1. 64E-18	Opc-G	NCF1
FMNL1. 10	1. 13E-22	-0. 48027	0. 008	0. 132	1. 69E-18	Opc-G	FMNL1
PSMG3. 9	1. 15E-22	0. 295527	0. 458	0. 318	1. 71E-18	Opc-G	PSMG3
CSRNP3. 9	1. 18E-22	0. 259017	0. 204	0. 092	1. 77E-18	Opc-G	CSRNP3
C6orf48. 5	1. 19E-22	0. 120944	0. 773	0. 638	1. 77E-18	Opc-G	C6orf48
SIPA1. 10	1. 30E-22	-0. 40401	0. 018	0. 147	1. 94E-18	Opc-G	SIPA1
MEIS1. 8	1. 60E-22	0. 340574	0. 178	0. 081	2. 38E-18	Opc-G	MEIS1
PARP14. 8	1. 65E-22	-0. 35951	0. 027	0. 165	2. 47E-18	Opc-G	PARP14
PTPRE. 8	1. 72E-22	-0. 46188	0. 112	0. 28	2. 58E-18	Opc-G	PTPRE
SERPING1. 1	1. 79E-22	-0. 84365	0. 09	0. 243	2. 68E-18	Opc-G	SERPING1
FUCA1. 8	1. 86E-22	-0. 45451	0. 075	0. 229	2. 78E-18	Opc-G	FUCA1
CEBPD. 7	1. 94E-22	-0. 4099	0. 276	0. 471	2. 89E-18	Opc-G	CEBPD
SPAG16. 9	2. 15E-22	0. 323291	0. 423	0. 288	3. 21E-18	Opc-G	SPAG16
MAPKAPK3. 2	2. 21E-22	-0. 39155	0. 038	0. 179	3. 30E-18	Opc-G	MAPKAPK3
RBBP4. 5	2. 22E-22	0. 243642	0. 559	0. 422	3. 32E-18	Opc-G	RBBP4
CNOT4. 7	2. 40E-22	0. 316435	0. 402	0. 263	3. 59E-18	Opc-G	CNOT4
PRAF2. 8	2. 41E-22	0. 319416	0. 43	0. 294	3. 60E-18	Opc-G	PRAF2
KCNJ10. 8	2. 46E-22	0. 185028	0. 128	0. 047	3. 68E-18	Opc-G	KCNJ10
CAPZA1. 9	2. 58E-22	-0. 4143	0. 224	0. 404	3. 85E-18	Opc-G	CAPZA1
NCKAP1L. 1	2. 60E-22	-0. 52115	0. 008	0. 129	3. 88E-18	Opc-G	NCKAP1L
PDZD4. 8	2. 99E-22	0. 243998	0. 119	0. 042	4. 47E-18	Opc-G	PDZD4
TMEM169. 7	3. 07E-22	0. 251701	0. 137	0. 053	4. 58E-18	Opc-G	TMEM169
MOAP1. 8	3. 16E-22	0. 318754	0. 342	0. 209	4. 72E-18	Opc-G	MOAP1
STAT3. 3	3. 54E-22	0. 255214	0. 581	0. 449	5. 30E-18	Opc-G	STAT3
ITM2C. 10	3. 56E-22	0. 19899	0. 56	0. 408	5. 33E-18	Opc-G	ITM2C
PRMT1. 6	3. 57E-22	0. 199124	0. 698	0. 544	5. 34E-18	Opc-G	PRMT1
CDKN2B	3. 71E-22	0. 150742	0. 068	0. 017	5. 54E-18	Opc-G	CDKN2B
RAB2A. 6	3. 72E-22	0. 196523	0. 725	0. 582	5. 56E-18	Opc-G	RAB2A
ZNF286A. 6	3. 77E-22	0. 255377	0. 138	0. 054	5. 63E-18	Opc-G	ZNF286A
HNRNPM. 8	3. 77E-22	0. 226038	0. 678	0. 534	5. 64E-18	Opc-G	HNRNPM
NNT-AS1. 8	3. 94E-22	0. 364387	0. 34	0. 213	5. 88E-18	Opc-G	NNT-AS1
ZCCHC24. 8	4. 07E-22	0. 262027	0. 198	0. 093	6. 08E-18	Opc-G	ZCCHC24

BAMBI. 7	4. 22E-22	0. 284865	0. 153	0. 064	6. 31E-18	Opc-G	BAMBI
ABHD14B. 7	4. 24E-22	-0. 40231	0. 044	0. 188	6. 33E-18	Opc-G	ABHD14B
PTCH1. 3	4. 29E-22	0. 209011	0. 124	0. 046	6. 41E-18	Opc-G	PTCH1
NME4. 7	4. 78E-22	0. 274276	0. 515	0. 373	7. 15E-18	Opc-G	NME4
VM01. 9	4. 84E-22	-0. 61592	0. 034	0. 168	7. 24E-18	Opc-G	VM01
ADM. 8	4. 92E-22	-0. 64465	0. 052	0. 194	7. 35E-18	Opc-G	ADM
EID1. 7	4. 95E-22	0. 106581	0. 87	0. 697	7. 40E-18	Opc-G	EID1
DPP7. 9	4. 97E-22	-0. 41236	0. 294	0. 478	7. 43E-18	Opc-G	DPP7
RP11-552D	5. 28E-22	-0. 64082	0. 008	0. 127	7. 89E-18	Opc-G	RP11-552D4. 1
DNAAF2. 9	5. 33E-22	0. 337814	0. 287	0. 165	7. 96E-18	Opc-G	DNAAF2
FILIP1L. 9	6. 12E-22	-0. 40448	0. 026	0. 157	9. 14E-18	Opc-G	FILIP1L
PHF11. 9	6. 71E-22	-0. 34632	0. 02	0. 15	1. 00E-17	Opc-G	PHF11
NGDN. 5	6. 72E-22	0. 28825	0. 393	0. 254	1. 00E-17	Opc-G	NGDN
SNRPE. 8	7. 02E-22	0. 148251	0. 71	0. 571	1. 05E-17	Opc-G	SNRPE
FAM155A. 2	7. 07E-22	0. 171987	0. 086	0. 025	1. 06E-17	Opc-G	FAM155A
IL10RA. 1C	7. 16E-22	-0. 53044	0. 02	0. 146	1. 07E-17	Opc-G	IL10RA
SDSL. 9	7. 25E-22	-0. 36593	0. 049	0. 196	1. 08E-17	Opc-G	SDSL
MT3. 10	7. 67E-22	0. 219231	0. 682	0. 477	1. 15E-17	Opc-G	MT3
CTSK. 6	7. 86E-22	0. 188301	0. 124	0. 045	1. 18E-17	Opc-G	CTSK
MOB1A. 10	8. 05E-22	-0. 47056	0. 178	0. 351	1. 20E-17	Opc-G	MOB1A
CD59. 6	8. 52E-22	-0. 45664	0. 385	0. 564	1. 27E-17	Opc-G	CD59
NOTCH1. 4	8. 69E-22	0. 325357	0. 209	0. 104	1. 30E-17	Opc-G	NOTCH1
NNMT. 8	9. 15E-22	-0. 68553	0. 033	0. 166	1. 37E-17	Opc-G	NNMT
ZNF138. 7	9. 23E-22	0. 331612	0. 255	0. 138	1. 38E-17	Opc-G	ZNF138
POMZP3. 7	9. 33E-22	0. 277086	0. 178	0. 08	1. 39E-17	Opc-G	POMZP3
SERF2. 6	9. 59E-22	-0. 27568	0. 91	0. 895	1. 43E-17	Opc-G	SERF2
C2. 8	9. 86E-22	-0. 53938	0. 005	0. 122	1. 47E-17	Opc-G	C2
BCS1L. 6	1. 00E-21	0. 332638	0. 28	0. 158	1. 50E-17	Opc-G	BCS1L
RAC2. 10	1. 09E-21	-0. 52761	0. 008	0. 126	1. 63E-17	Opc-G	RAC2
SDC2. 7	1. 23E-21	-0. 44539	0. 056	0. 201	1. 84E-17	Opc-G	SDC2
PRDM8. 5	1. 26E-21	0. 157149	0. 087	0. 026	1. 89E-17	Opc-G	PRDM8
SOCS3. 9	1. 26E-21	-0. 42806	0. 183	0. 359	1. 89E-17	Opc-G	SOCS3
SETD5. 10	1. 45E-21	0. 299461	0. 414	0. 28	2. 17E-17	Opc-G	SETD5
CHST2. 7	1. 48E-21	-0. 27237	0. 018	0. 144	2. 21E-17	Opc-G	CHST2
CYC1. 8	1. 68E-21	0. 223772	0. 679	0. 53	2. 51E-17	Opc-G	CYC1
COA1. 5	1. 69E-21	0. 22008	0. 529	0. 388	2. 52E-17	Opc-G	COA1
GNA15. 10	1. 81E-21	-0. 45657	0. 003	0. 116	2. 70E-17	Opc-G	GNA15
REEP4. 10	1. 88E-21	-0. 40668	0. 04	0. 176	2. 80E-17	Opc-G	REEP4
LRRC4B. 1C	1. 92E-21	0. 328107	0. 235	0. 126	2. 87E-17	Opc-G	LRRC4B
CHGB. 7	1. 92E-21	0. 269264	0. 183	0. 081	2. 87E-17	Opc-G	CHGB
CPE. 9	2. 02E-21	0. 239918	0. 556	0. 378	3. 01E-17	Opc-G	CPE
CHIC2. 5	2. 09E-21	0. 420112	0. 355	0. 236	3. 12E-17	Opc-G	CHIC2
RP11-357K	2. 20E-21	0. 143074	0. 051	0. 01	3. 28E-17	Opc-G	RP11-357K6. 1
KLF12. 8	2. 20E-21	0. 277389	0. 175	0. 079	3. 29E-17	Opc-G	KLF12
CCT4. 5	2. 30E-21	0. 165483	0. 701	0. 551	3. 44E-17	Opc-G	CCT4
RNF44. 3	2. 37E-21	0. 315535	0. 214	0. 107	3. 54E-17	Opc-G	RNF44
PADI2. 8	2. 38E-21	-0. 53202	0. 02	0. 142	3. 55E-17	Opc-G	PADI2
SLC38A1. 7	2. 65E-21	0. 229027	0. 264	0. 133	3. 96E-17	Opc-G	SLC38A1
TCIRG1. 1C	2. 72E-21	-0. 45029	0. 014	0. 133	4. 07E-17	Opc-G	TCIRG1
CBR4. 7	2. 75E-21	0. 293877	0. 306	0. 18	4. 11E-17	Opc-G	CBR4
HOXA10-AS	2. 93E-21	0. 111345	0. 048	0. 009	4. 38E-17	Opc-G	HOXA10-AS

BIN2. 9	3. 03E-21	-0. 48568	0. 005	0. 119	4. 53E-17	Opc-G	BIN2
WIPF1. 10	3. 08E-21	-0. 47372	0. 081	0. 229	4. 60E-17	Opc-G	WIPF1
DOCK8. 10	3. 18E-21	-0. 4939	0. 011	0. 128	4. 75E-17	Opc-G	DOCK8
RICTOR. 6	3. 25E-21	0. 272518	0. 309	0. 178	4. 86E-17	Opc-G	RICTOR
TMED4. 9	3. 40E-21	0. 200627	0. 572	0. 429	5. 09E-17	Opc-G	TMED4
COL6A2. 9	3. 50E-21	-0. 41235	0. 037	0. 171	5. 23E-17	Opc-G	COL6A2
C1S. 8	3. 55E-21	-0. 64963	0. 037	0. 17	5. 30E-17	Opc-G	C1S
NSG1. 10	3. 68E-21	0. 25537	0. 316	0. 166	5. 49E-17	Opc-G	NSG1
CAMKMT. 6	3. 97E-21	0. 326071	0. 16	0. 069	5. 93E-17	Opc-G	CAMKMT
RP11-445F	4. 24E-21	0. 230952	0. 085	0. 025	6. 33E-17	Opc-G	RP11-445F12. 1
NCOR2. 5	4. 39E-21	0. 309892	0. 351	0. 223	6. 55E-17	Opc-G	NCOR2
NPY	4. 45E-21	0. 187955	0. 067	0. 017	6. 65E-17	Opc-G	NPY
FNDC4. 8	4. 60E-21	0. 328997	0. 311	0. 191	6. 87E-17	Opc-G	FNDC4
SMARCC2. 8	5. 01E-21	0. 322856	0. 385	0. 255	7. 49E-17	Opc-G	SMARCC2
RAB11B. 7	5. 20E-21	0. 209179	0. 638	0. 495	7. 76E-17	Opc-G	RAB11B
DLX2. 10	5. 62E-21	0. 258507	0. 217	0. 101	8. 41E-17	Opc-G	DLX2
SH3BP5. 8	5. 67E-21	-0. 37329	0. 066	0. 21	8. 47E-17	Opc-G	SH3BP5
HMHA1. 10	6. 03E-21	-0. 46823	0. 004	0. 115	9. 01E-17	Opc-G	HMHA1
RP11-21A7	6. 14E-21	0. 108546	0. 034	0. 005	9. 18E-17	Opc-G	RP11-21A7A. 4
B4GALT1. 1	6. 22E-21	-0. 46765	0. 011	0. 128	9. 30E-17	Opc-G	B4GALT1
VPS51. 4	6. 82E-21	0. 284537	0. 388	0. 255	1. 02E-16	Opc-G	VPS51
SPTBN2. 1	7. 04E-21	0. 167967	0. 082	0. 024	1. 05E-16	Opc-G	SPTBN2
STX4. 6	7. 18E-21	-0. 43597	0. 152	0. 325	1. 07E-16	Opc-G	STX4
PCGF5. 6	7. 19E-21	-0. 39095	0. 048	0. 188	1. 08E-16	Opc-G	PCGF5
FAM222A. 5	7. 22E-21	0. 186214	0. 086	0. 026	1. 08E-16	Opc-G	FAM222A
GLTSCR2. 8	7. 30E-21	0. 212194	0. 686	0. 556	1. 09E-16	Opc-G	GLTSCR2
DAPL1. 2	7. 73E-21	0. 344761	0. 128	0. 049	1. 16E-16	Opc-G	DAPL1
TMEM219. 8	8. 55E-21	-0. 40249	0. 384	0. 572	1. 28E-16	Opc-G	TMEM219
NRP1. 8	8. 61E-21	-0. 32057	0. 038	0. 174	1. 29E-16	Opc-G	NRP1
SELM. 8	8. 65E-21	-0. 42955	0. 056	0. 197	1. 29E-16	Opc-G	SELM
LTF. 7	8. 76E-21	-1. 09579	0. 033	0. 159	1. 31E-16	Opc-G	LTF
HPRT1. 8	9. 63E-21	-0. 431	0. 087	0. 24	1. 44E-16	Opc-G	HPRT1
SSB. 5	9. 96E-21	0. 146286	0. 717	0. 584	1. 49E-16	Opc-G	SSB
FBP1. 10	1. 01E-20	-0. 463	0. 01	0. 124	1. 50E-16	Opc-G	FBP1
SSBP1. 5	1. 11E-20	0. 105406	0. 761	0. 63	1. 66E-16	Opc-G	SSBP1
STX11. 9	1. 16E-20	-0. 48811	0. 008	0. 121	1. 73E-16	Opc-G	STX11
CCDC88A. 8	1. 20E-20	0. 254177	0. 538	0. 408	1. 79E-16	Opc-G	CCDC88A
IDS. 3	1. 34E-20	-0. 3711	0. 198	0. 38	2. 00E-16	Opc-G	IDS
M6PR. 10	1. 35E-20	-0. 45632	0. 223	0. 393	2. 02E-16	Opc-G	M6PR
CTSA. 10	1. 42E-20	-0. 41844	0. 239	0. 41	2. 12E-16	Opc-G	CTSA
ALCAM. 8	1. 44E-20	0. 305502	0. 317	0. 188	2. 16E-16	Opc-G	ALCAM
SET. 6	1. 48E-20	0. 176193	0. 68	0. 553	2. 22E-16	Opc-G	SET
ANAPC16. 8	1. 54E-20	-0. 44348	0. 359	0. 536	2. 29E-16	Opc-G	ANAPC16
MEGF11	1. 54E-20	0. 20421	0. 093	0. 03	2. 30E-16	Opc-G	MEGF11
ZNF300. 9	1. 61E-20	0. 24552	0. 152	0. 064	2. 40E-16	Opc-G	ZNF300
C1R. 10	1. 77E-20	-0. 67444	0. 077	0. 225	2. 64E-16	Opc-G	C1R
OAZ1. 6	1. 99E-20	-0. 24859	0. 932	0. 926	2. 97E-16	Opc-G	OAZ1
EWSR1. 4	2. 02E-20	0. 212339	0. 586	0. 456	3. 02E-16	Opc-G	EWSR1
TP53I3. 4	2. 13E-20	0. 306517	0. 251	0. 138	3. 18E-16	Opc-G	TP53I3
NTRK2. 8	2. 27E-20	0. 286215	0. 23	0. 113	3. 40E-16	Opc-G	NTRK2
TRA2A. 4	2. 36E-20	0. 261915	0. 463	0. 335	3. 53E-16	Opc-G	TRA2A

WWTR1.10	2.43E-20	-0.30792	0.037	0.168	3.63E-16	Opc-G	WWTR1
TSPAN6.8	2.49E-20	0.293923	0.254	0.143	3.73E-16	Opc-G	TSPAN6
NONO.9	2.50E-20	0.235488	0.567	0.448	3.74E-16	Opc-G	NONO
TGIF1.7	2.61E-20	-0.45095	0.198	0.368	3.90E-16	Opc-G	TGIF1
IKBIP.8	2.66E-20	-0.42849	0.086	0.236	3.97E-16	Opc-G	IKBIP
LRP10.6	2.79E-20	-0.35564	0.102	0.261	4.17E-16	Opc-G	LRP10
PAWR	2.93E-20	0.111461	0.06	0.014	4.37E-16	Opc-G	PAWR
RBM23.2	2.93E-20	0.211705	0.399	0.255	4.38E-16	Opc-G	RBM23
CYTH4.10	3.22E-20	-0.47543	0.008	0.119	4.81E-16	Opc-G	CYTH4
PPP1R15A.3	3.34E-20	-0.41498	0.316	0.477	4.99E-16	Opc-G	PPP1R15A
NDFIP1.10	3.38E-20	0.204298	0.75	0.591	5.05E-16	Opc-G	NDFIP1
JAM2.10	3.41E-20	0.28824	0.374	0.244	5.10E-16	Opc-G	JAM2
QSOX1.8	3.43E-20	-0.35918	0.093	0.246	5.13E-16	Opc-G	QSOX1
HNRNPA1L2.3	3.46E-20	0.261932	0.322	0.192	5.18E-16	Opc-G	HNRNPA1L2
SNF8.7	3.55E-20	0.245314	0.585	0.451	5.30E-16	Opc-G	SNF8
ENOPH1.8	3.61E-20	0.248838	0.511	0.381	5.39E-16	Opc-G	ENOPH1
LBH.10	3.89E-20	0.232441	0.277	0.145	5.82E-16	Opc-G	LBH
TMEM206.8	4.16E-20	0.341037	0.344	0.223	6.21E-16	Opc-G	TMEM206
WHSC1L1.9	4.45E-20	0.286071	0.493	0.365	6.66E-16	Opc-G	WHSC1L1
CD84.10	4.89E-20	-0.51074	0.02	0.136	7.30E-16	Opc-G	CD84
FAXC.9	4.94E-20	0.284828	0.173	0.08	7.38E-16	Opc-G	FAXC
SUMO1.4	4.97E-20	0.11094	0.791	0.648	7.42E-16	Opc-G	SUMO1
MEF2A.10	4.98E-20	-0.44346	0.081	0.224	7.44E-16	Opc-G	MEF2A
CKLF.10	5.08E-20	-0.44946	0.361	0.53	7.59E-16	Opc-G	CKLF
CTBS.7	5.14E-20	-0.33978	0.036	0.164	7.69E-16	Opc-G	CTBS
PSMB8.7	5.65E-20	-0.33625	0.232	0.427	8.45E-16	Opc-G	PSMB8
NCF2.10	6.98E-20	-0.43866	0.003	0.108	1.04E-15	Opc-G	NCF2
SYK.10	7.06E-20	-0.43857	0.005	0.113	1.05E-15	Opc-G	SYK
DNAJC3.6	7.22E-20	-0.38285	0.138	0.302	1.08E-15	Opc-G	DNAJC3
TPM4.8	7.69E-20	-0.38667	0.365	0.506	1.15E-15	Opc-G	TPM4
ATP5B.6	7.99E-20	0.10103	0.906	0.767	1.19E-15	Opc-G	ATP5B
PHB2.3	8.18E-20	0.197499	0.567	0.435	1.22E-15	Opc-G	PHB2
CYFIP2.8	8.88E-20	0.317587	0.209	0.107	1.33E-15	Opc-G	CYFIP2
KDM1A.8	9.04E-20	0.335495	0.314	0.196	1.35E-15	Opc-G	KDM1A
SLC2A3.9	9.11E-20	-0.50784	0.115	0.264	1.36E-15	Opc-G	SLC2A3
PCGF2.8	9.55E-20	0.314802	0.266	0.156	1.43E-15	Opc-G	PCGF2
DGUOK.7	9.72E-20	0.159627	0.654	0.506	1.45E-15	Opc-G	DGUOK
COPS5.4	1.01E-19	0.245972	0.526	0.402	1.52E-15	Opc-G	COPS5
PCDHB5.1	1.02E-19	0.166046	0.049	0.01	1.52E-15	Opc-G	PCDHB5
RP11-182L.1	1.09E-19	0.216072	0.149	0.064	1.64E-15	Opc-G	RP11-182L21.6
WDR6.7	1.15E-19	0.269786	0.352	0.224	1.72E-15	Opc-G	WDR6
POU3F3.9	1.30E-19	0.290795	0.26	0.147	1.94E-15	Opc-G	POU3F3
PNKD.6	1.34E-19	0.21121	0.585	0.448	2.01E-15	Opc-G	PNKD
USP42.8	1.39E-19	0.303562	0.221	0.116	2.08E-15	Opc-G	USP42
SOX5.8	1.41E-19	0.274194	0.175	0.083	2.11E-15	Opc-G	SOX5
RAB31.9	1.42E-19	0.235929	0.587	0.451	2.13E-15	Opc-G	RAB31
CCDC167.6	1.49E-19	0.271716	0.507	0.374	2.22E-15	Opc-G	CCDC167
TRA2B.7	1.68E-19	0.168749	0.648	0.533	2.52E-15	Opc-G	TRA2B
HLA-DQB2.1	1.69E-19	-0.65193	0.001	0.104	2.53E-15	Opc-G	HLA-DQB2
TMEM109.9	1.73E-19	-0.43968	0.074	0.213	2.59E-15	Opc-G	TMEM109
MBOAT7.7	1.79E-19	-0.31451	0.098	0.253	2.68E-15	Opc-G	MBOAT7

CIQTNF4.8	1.81E-19	0.180187	0.131	0.051	2.70E-15	Opc-G	CIQTNF4
PPCS.7	1.90E-19	-0.41227	0.165	0.331	2.85E-15	Opc-G	PPCS
RP11-118F	1.93E-19	0.167981	0.049	0.01	2.88E-15	Opc-G	RP11-118F19.1
CRTAC1.1	2.08E-19	0.160338	0.071	0.02	3.11E-15	Opc-G	CRTAC1
SNHG15.5	2.11E-19	-0.3259	0.079	0.231	3.15E-15	Opc-G	SNHG15
ZBTB16.5	2.13E-19	0.305512	0.268	0.148	3.18E-15	Opc-G	ZBTB16
LPAR5.8	2.19E-19	-0.4442	0.005	0.11	3.28E-15	Opc-G	LPAR5
TNC.9	2.24E-19	-0.41203	0.067	0.21	3.35E-15	Opc-G	TNC
MYCNOS.1	2.32E-19	0.14523	0.053	0.012	3.47E-15	Opc-G	MYCNOS
ARMC1.7	2.35E-19	0.320094	0.377	0.256	3.52E-15	Opc-G	ARMC1
GRHPR.6	2.38E-19	0.23442	0.511	0.385	3.56E-15	Opc-G	GRHPR
VANGL2.7	2.39E-19	0.231675	0.153	0.067	3.58E-15	Opc-G	VANGL2
CBX1.8	2.48E-19	0.260065	0.489	0.359	3.71E-15	Opc-G	CBX1
SNX10.6	2.51E-19	-0.37749	0.094	0.237	3.75E-15	Opc-G	SNX10
S100A13.8	2.52E-19	-0.38715	0.138	0.306	3.77E-15	Opc-G	S100A13
NLRP1.9	2.64E-19	0.263354	0.481	0.329	3.95E-15	Opc-G	NLRP1
GPX1.10	2.72E-19	-0.34381	0.81	0.814	4.06E-15	Opc-G	GPX1
GCNT2.3	2.72E-19	0.167665	0.108	0.039	4.06E-15	Opc-G	GCNT2
ZC3H15.5	2.81E-19	0.194152	0.627	0.495	4.19E-15	Opc-G	ZC3H15
KIF19.1	3.04E-19	0.121298	0.042	0.008	4.55E-15	Opc-G	KIF19
RCSL1.9	3.05E-19	-0.5006	0.016	0.127	4.55E-15	Opc-G	RCSL1
TCP1.6	3.06E-19	0.161321	0.667	0.513	4.57E-15	Opc-G	TCP1
NUDT14.1C	3.11E-19	-0.41755	0.066	0.2	4.65E-15	Opc-G	NUDT14
SRSF9.7	3.19E-19	0.204893	0.713	0.551	4.77E-15	Opc-G	SRSF9
RP11-637A	3.30E-19	0.115428	0.052	0.012	4.92E-15	Opc-G	RP11-637A17.2
SCAND1.7	3.34E-19	0.213313	0.709	0.561	4.99E-15	Opc-G	SCAND1
ABI2.8	3.36E-19	0.266493	0.477	0.354	5.03E-15	Opc-G	ABI2
TGFBR2.9	3.53E-19	-0.36791	0.014	0.124	5.28E-15	Opc-G	TGFBR2
ARHGAP4.1	3.66E-19	-0.44003	0.014	0.122	5.47E-15	Opc-G	ARHGAP4
KLC1.9	3.68E-19	0.246987	0.486	0.351	5.49E-15	Opc-G	KLC1
PLS3.8	3.78E-19	-0.34194	0.082	0.23	5.64E-15	Opc-G	PLS3
GNA13.9	3.90E-19	-0.40283	0.057	0.188	5.82E-15	Opc-G	GNA13
ALDOA.8	3.95E-19	-0.27705	0.82	0.847	5.91E-15	Opc-G	ALDOA
MPP1.10	4.11E-19	-0.45553	0.074	0.209	6.14E-15	Opc-G	MPP1
ZNF775.8	4.11E-19	0.2828	0.182	0.089	6.15E-15	Opc-G	ZNF775
RBM47.10	4.12E-19	-0.34945	0.014	0.123	6.16E-15	Opc-G	RBM47
SLC1A5.9	4.14E-19	-0.39193	0.027	0.145	6.19E-15	Opc-G	SLC1A5
SUSD3.9	4.28E-19	-0.45572	0.001	0.101	6.40E-15	Opc-G	SUSD3
WIPI2.5	4.46E-19	0.261594	0.512	0.39	6.66E-15	Opc-G	WIPI2
H1FO.2	4.54E-19	0.243713	0.399	0.255	6.79E-15	Opc-G	H1FO
GAS6.9	4.62E-19	-0.4045	0.075	0.213	6.90E-15	Opc-G	GAS6
HMBOX1.8	4.84E-19	0.269762	0.307	0.185	7.24E-15	Opc-G	HMBOX1
KIF21A.1C	4.92E-19	0.280572	0.428	0.294	7.35E-15	Opc-G	KIF21A
ARMCX1.9	5.10E-19	0.250278	0.333	0.205	7.62E-15	Opc-G	ARMCX1
MYADM.7	5.14E-19	-0.41711	0.066	0.201	7.68E-15	Opc-G	MYADM
TSN.6	5.38E-19	0.230883	0.496	0.369	8.05E-15	Opc-G	TSN
DAB2.9	5.78E-19	-0.5193	0.038	0.158	8.64E-15	Opc-G	DAB2
MRC2.5	5.85E-19	-0.28758	0.049	0.182	8.74E-15	Opc-G	MRC2
CAMLG.9	6.00E-19	0.163888	0.624	0.485	8.97E-15	Opc-G	CAMLG
DRAXIN.9	6.61E-19	0.294782	0.257	0.146	9.87E-15	Opc-G	DRAXIN
DGKG.4	6.69E-19	0.288354	0.113	0.044	1.00E-14	Opc-G	DGKG

SOX9. 9	6. 93E-19	0. 302677	0. 404	0. 263	1. 04E-14	Opc-G	SOX9
MGAT4A. 1C	7. 28E-19	-0. 54077	0. 096	0. 229	1. 09E-14	Opc-G	MGAT4A
EBI3. 9	7. 83E-19	-0. 45658	0. 003	0. 102	1. 17E-14	Opc-G	EBI3
ZBTB38. 3	8. 62E-19	-0. 34781	0. 06	0. 195	1. 29E-14	Opc-G	ZBTB38
MSI2. 7	8. 84E-19	0. 253028	0. 455	0. 312	1. 32E-14	Opc-G	MSI2
MAN2A1. 7	9. 19E-19	-0. 33845	0. 011	0. 117	1. 37E-14	Opc-G	MAN2A1
ASF1A. 8	9. 19E-19	0. 31128	0. 344	0. 227	1. 37E-14	Opc-G	ASF1A
AC093901. 9	9. 36E-19	0. 10787	0. 044	0. 009	1. 40E-14	Opc-G	AC093901. 1
LUC7L3. 7	9. 47E-19	0. 186929	0. 649	0. 501	1. 42E-14	Opc-G	LUC7L3
XIST. 10	9. 82E-19	-0. 43858	0. 122	0. 276	1. 47E-14	Opc-G	XIST
GNG4. 9	1. 00E-18	0. 306675	0. 209	0. 11	1. 50E-14	Opc-G	GNG4
TMEM165. 4	1. 03E-18	0. 321429	0. 541	0. 451	1. 53E-14	Opc-G	TMEM165
CHRD1	1. 06E-18	0. 202841	0. 098	0. 035	1. 59E-14	Opc-G	CHRD1
AC084219. 1	1. 06E-18	0. 152557	0. 094	0. 032	1. 59E-14	Opc-G	AC084219. 4
DCLK2. 10	1. 07E-18	0. 30711	0. 305	0. 189	1. 60E-14	Opc-G	DCLK2
CD01. 10	1. 08E-18	0. 245304	0. 359	0. 226	1. 62E-14	Opc-G	CD01
CDKN1C. 8	1. 09E-18	0. 256013	0. 213	0. 107	1. 63E-14	Opc-G	CDKN1C
GRIA4. 8	1. 11E-18	0. 299793	0. 227	0. 123	1. 65E-14	Opc-G	GRIA4
DPF1. 9	1. 12E-18	0. 301031	0. 242	0. 134	1. 67E-14	Opc-G	DPF1
PTX3. 9	1. 14E-18	-0. 31214	0. 014	0. 122	1. 71E-14	Opc-G	PTX3
GTF3C6. 5	1. 23E-18	0. 165759	0. 639	0. 506	1. 83E-14	Opc-G	GTF3C6
HNMT. 9	1. 25E-18	-0. 54346	0. 093	0. 227	1. 87E-14	Opc-G	HNMT
ARID5A. 6	1. 31E-18	-0. 38267	0. 141	0. 3	1. 96E-14	Opc-G	ARID5A
AOAH. 9	1. 32E-18	-0. 51327	0. 02	0. 13	1. 97E-14	Opc-G	AOAH
MYEF2. 8	1. 36E-18	0. 305267	0. 296	0. 186	2. 03E-14	Opc-G	MYEF2
HIVEP3. 6	1. 40E-18	-0. 24207	0. 037	0. 16	2. 10E-14	Opc-G	HIVEP3
CLEC5A. 9	1. 50E-18	-0. 49119	0. 005	0. 106	2. 25E-14	Opc-G	CLEC5A
EPN2. 9	1. 58E-18	0. 338257	0. 344	0. 23	2. 36E-14	Opc-G	EPN2
VMP1. 5	1. 59E-18	-0. 40229	0. 317	0. 482	2. 37E-14	Opc-G	VMP1
ARHGAP15. 1	1. 74E-18	-0. 44353	0. 004	0. 103	2. 60E-14	Opc-G	ARHGAP15
IGFBP5. 1C	1. 75E-18	0. 156518	0. 411	0. 259	2. 62E-14	Opc-G	IGFBP5
TNFAIP8L2	1. 76E-18	-0. 42197	0. 003	0. 101	2. 63E-14	Opc-G	TNFAIP8L2
HSPA1B. 6	1. 78E-18	0. 259764	0. 537	0. 402	2. 66E-14	Opc-G	HSPA1B
TMEM179. 1	1. 81E-18	0. 150772	0. 077	0. 023	2. 71E-14	Opc-G	TMEM179
VEZT. 7	1. 84E-18	0. 282701	0. 337	0. 219	2. 75E-14	Opc-G	VEZT
WDR60. 7	1. 86E-18	0. 314545	0. 342	0. 225	2. 77E-14	Opc-G	WDR60
TCF7L1	1. 93E-18	0. 186253	0. 094	0. 033	2. 89E-14	Opc-G	TCF7L1
TOP2B. 9	2. 02E-18	0. 305957	0. 346	0. 23	3. 02E-14	Opc-G	TOP2B
AC073283. 2	2. 04E-18	0. 179038	0. 074	0. 022	3. 05E-14	Opc-G	AC073283. 4
EIF1AX. 7	2. 04E-18	0. 132136	0. 676	0. 552	3. 05E-14	Opc-G	EIF1AX
SAMHD1. 1C	2. 14E-18	-0. 44268	0. 087	0. 223	3. 20E-14	Opc-G	SAMHD1
HSD17B11. 2	2. 15E-18	-0. 52756	0. 24	0. 386	3. 21E-14	Opc-G	HSD17B11
DUSP4. 8	2. 28E-18	-0. 36055	0. 057	0. 188	3. 40E-14	Opc-G	DUSP4
ZSCAN18. 7	2. 38E-18	0. 291843	0. 346	0. 224	3. 56E-14	Opc-G	ZSCAN18
KANK1. 7	2. 43E-18	0. 266834	0. 176	0. 086	3. 64E-14	Opc-G	KANK1
HOXC8. 6	2. 50E-18	0. 182381	0. 09	0. 03	3. 73E-14	Opc-G	HOXC8
AC007161. 2	2. 59E-18	0. 127056	0. 029	0. 004	3. 87E-14	Opc-G	AC007161. 5
MILR1. 10	2. 64E-18	-0. 47149	0. 005	0. 105	3. 95E-14	Opc-G	MILR1
AKAP8L. 8	2. 82E-18	0. 292447	0. 359	0. 242	4. 21E-14	Opc-G	AKAP8L
SERPINF1. 2	2. 90E-18	-0. 46705	0. 092	0. 233	4. 34E-14	Opc-G	SERPINF1
MAP2K3. 9	2. 98E-18	-0. 32037	0. 064	0. 197	4. 45E-14	Opc-G	MAP2K3

BTG1. 9	3. 04E-18	0. 159677	0. 828	0. 68	4. 55E-14	Opc-G	BTG1
SNRNP70. 6	3. 10E-18	0. 220201	0. 586	0. 468	4. 64E-14	Opc-G	SNRNP70
ETS2. 10	3. 17E-18	-0. 49982	0. 087	0. 215	4. 73E-14	Opc-G	ETS2
ELOVL1. 6	3. 38E-18	-0. 362	0. 094	0. 24	5. 05E-14	Opc-G	ELOVL1
FAM198A	3. 51E-18	0. 12599	0. 064	0. 017	5. 25E-14	Opc-G	FAM198A
TLR2. 10	3. 54E-18	-0. 47213	0. 014	0. 118	5. 28E-14	Opc-G	TLR2
IPO9. 6	3. 74E-18	0. 280126	0. 34	0. 224	5. 58E-14	Opc-G	IPO9
YIPF4. 5	3. 74E-18	0. 227702	0. 49	0. 367	5. 59E-14	Opc-G	YIPF4
DPYSL3. 9	4. 30E-18	0. 266425	0. 445	0. 314	6. 42E-14	Opc-G	DPYSL3
PPP1R18. 1	4. 35E-18	-0. 42965	0. 153	0. 302	6. 51E-14	Opc-G	PPP1R18
LMAN1. 6	4. 42E-18	-0. 38261	0. 176	0. 339	6. 61E-14	Opc-G	LMAN1
PYGL. 9	4. 45E-18	-0. 42862	0. 07	0. 2	6. 65E-14	Opc-G	PYGL
EHMT2. 8	4. 53E-18	0. 325433	0. 305	0. 193	6. 77E-14	Opc-G	EHMT2
RSRC2. 4	4. 65E-18	0. 179043	0. 594	0. 467	6. 94E-14	Opc-G	RSRC2
COA4. 4	4. 76E-18	0. 25537	0. 499	0. 379	7. 11E-14	Opc-G	COA4
IRF1. 7	4. 82E-18	0. 284844	0. 321	0. 198	7. 20E-14	Opc-G	IRF1
CYTIP. 9	4. 94E-18	-0. 49603	0. 01	0. 11	7. 39E-14	Opc-G	CYTIP
XKR4. 8	4. 99E-18	0. 216645	0. 127	0. 052	7. 46E-14	Opc-G	XKR4
NDRG1. 6	5. 15E-18	-0. 55035	0. 056	0. 179	7. 70E-14	Opc-G	NDRG1
TNRC6B. 5	5. 33E-18	0. 232467	0. 473	0. 344	7. 97E-14	Opc-G	TNRC6B
ENAH. 9	5. 34E-18	0. 273948	0. 38	0. 256	7. 98E-14	Opc-G	ENAH
SPARCL1. 9	5. 35E-18	0. 138339	0. 499	0. 335	8. 00E-14	Opc-G	SPARCL1
SFT2D1. 1C	5. 42E-18	-0. 41584	0. 348	0. 512	8. 09E-14	Opc-G	SFT2D1
NANOS1. 1	5. 46E-18	0. 161871	0. 055	0. 013	8. 16E-14	Opc-G	NANOS1
PCBP2. 5	5. 83E-18	0. 14702	0. 783	0. 655	8. 71E-14	Opc-G	PCBP2
MAP1B. 9	6. 09E-18	0. 11047	0. 777	0. 518	9. 09E-14	Opc-G	MAP1B
SNRNP200. 6	6. 29E-18	0. 254107	0. 399	0. 276	9. 40E-14	Opc-G	SNRNP200
RASSF4. 1C	6. 41E-18	-0. 43291	0. 179	0. 339	9. 58E-14	Opc-G	RASSF4
SMARCD1. 8	6. 50E-18	0. 315916	0. 317	0. 208	9. 71E-14	Opc-G	SMARCD1
HOXC6. 3	6. 81E-18	0. 158927	0. 081	0. 025	1. 02E-13	Opc-G	HOXC6
PLBD1. 10	6. 89E-18	-0. 36049	0. 004	0. 1	1. 03E-13	Opc-G	PLBD1
DUOX1. 9	7. 01E-18	0. 194663	0. 138	0. 058	1. 05E-13	Opc-G	DUOX1
AC002454. 7	7. 11E-18	0. 153767	0. 056	0. 014	1. 06E-13	Opc-G	AC002454. 1
LILRB1. 1C	7. 15E-18	-0. 40248	0. 003	0. 098	1. 07E-13	Opc-G	LILRB1
RNF180. 9	7. 44E-18	0. 33438	0. 266	0. 161	1. 11E-13	Opc-G	RNF180
PSMC2. 5	7. 45E-18	0. 180142	0. 581	0. 451	1. 11E-13	Opc-G	PSMC2
KAT7. 4	7. 58E-18	0. 309983	0. 242	0. 141	1. 13E-13	Opc-G	KAT7
CTA-293F1	7. 66E-18	0. 200568	0. 089	0. 03	1. 15E-13	Opc-G	CTA-293F17. 1
SYT17. 6	7. 76E-18	0. 315323	0. 257	0. 153	1. 16E-13	Opc-G	SYT17
SPHK1. 8	8. 02E-18	-0. 26564	0. 011	0. 113	1. 20E-13	Opc-G	SPHK1
COTL1. 9	8. 33E-18	-0. 38027	0. 378	0. 518	1. 24E-13	Opc-G	COTL1
UBQLN2. 9	8. 36E-18	0. 278919	0. 332	0. 213	1. 25E-13	Opc-G	UBQLN2
DHRX. 3	8. 44E-18	0. 320182	0. 335	0. 226	1. 26E-13	Opc-G	DHRX
FAM32A. 7	8. 76E-18	0. 192441	0. 567	0. 444	1. 31E-13	Opc-G	FAM32A
KCNMA1. 8	8. 77E-18	-0. 36499	0. 034	0. 15	1. 31E-13	Opc-G	KCNMA1
DGCR2. 5	8. 81E-18	0. 290449	0. 251	0. 146	1. 32E-13	Opc-G	DGCR2
FZD3. 7	9. 02E-18	0. 284003	0. 388	0. 269	1. 35E-13	Opc-G	FZD3
RP11-1094	9. 11E-18	0. 2958	0. 342	0. 227	1. 36E-13	Opc-G	RP11-1094M14. 11
WASF2. 8	9. 23E-18	-0. 38983	0. 288	0. 448	1. 38E-13	Opc-G	WASF2
ARL4C. 8	9. 79E-18	0. 27127	0. 503	0. 37	1. 46E-13	Opc-G	ARL4C
NUBP2. 5	1. 00E-17	0. 226008	0. 495	0. 374	1. 49E-13	Opc-G	NUBP2

AKAP13.9	1.00E-17	-0.45161	0.186	0.334	1.50E-13	Opc-G	AKAP13
NXN.5	1.01E-17	0.196251	0.092	0.032	1.50E-13	Opc-G	NXN
RNASE1.7	1.03E-17	-0.78258	0.059	0.176	1.54E-13	Opc-G	RNASE1
DECRI.5	1.04E-17	0.216285	0.525	0.404	1.56E-13	Opc-G	DECRI
C16orf87.1	1.11E-17	0.275624	0.31	0.197	1.65E-13	Opc-G	C16orf87
FTX.5	1.11E-17	0.193813	0.191	0.094	1.66E-13	Opc-G	FTX
TNRC6C.9	1.11E-17	0.27423	0.275	0.165	1.66E-13	Opc-G	TNRC6C
CIAPIN1.6	1.14E-17	0.287015	0.366	0.253	1.70E-13	Opc-G	CIAPIN1
RCN1.10	1.14E-17	0.262931	0.478	0.346	1.70E-13	Opc-G	RCN1
FANCL.6	1.18E-17	0.255855	0.242	0.136	1.76E-13	Opc-G	FANCL
SDR39U1.5	1.22E-17	0.238671	0.389	0.267	1.82E-13	Opc-G	SDR39U1
YTHDF2.8	1.22E-17	0.193568	0.549	0.423	1.82E-13	Opc-G	YTHDF2
PRKAR1B.7	1.24E-17	0.287712	0.223	0.121	1.85E-13	Opc-G	PRKAR1B
RNF144B.9	1.25E-17	-0.43825	0.007	0.104	1.86E-13	Opc-G	RNF144B
TERF1.5	1.26E-17	0.254712	0.433	0.316	1.88E-13	Opc-G	TERF1
NR2F2.7	1.37E-17	0.157428	0.108	0.041	2.04E-13	Opc-G	NR2F2
ZNF107.1	1.37E-17	0.1779	0.097	0.035	2.04E-13	Opc-G	ZNF107
PRKRIP1.7	1.44E-17	0.306622	0.346	0.234	2.16E-13	Opc-G	PRKRIP1
HPCA.8	1.50E-17	0.271307	0.13	0.055	2.24E-13	Opc-G	HPCA
STRA13.4	1.53E-17	0.215625	0.567	0.443	2.28E-13	Opc-G	STRA13
PPP2CA.5	1.54E-17	0.215897	0.593	0.472	2.31E-13	Opc-G	PPP2CA
UBE2H.8	1.56E-17	0.29028	0.366	0.252	2.34E-13	Opc-G	UBE2H
NPL.9	1.60E-17	-0.50995	0.082	0.208	2.38E-13	Opc-G	NPL
CD99.6	1.62E-17	-0.35797	0.497	0.647	2.41E-13	Opc-G	CD99
SLC25A37.1	1.65E-17	-0.42305	0.165	0.32	2.46E-13	Opc-G	SLC25A37
SIGLEC9.1	1.69E-17	-0.40183	0.004	0.099	2.52E-13	Opc-G	SIGLEC9
CSTB.8	1.73E-17	-0.36213	0.594	0.696	2.59E-13	Opc-G	CSTB
HNRNPL.6	1.92E-17	0.25146	0.378	0.256	2.87E-13	Opc-G	HNRNPL
GLDN.9	1.94E-17	-0.40155	0.007	0.103	2.90E-13	Opc-G	GLDN
TIMM50.3	2.03E-17	0.247704	0.419	0.303	3.04E-13	Opc-G	TIMM50
RHOA.8	2.06E-17	-0.3248	0.717	0.757	3.08E-13	Opc-G	RHOA
BCL2L12.5	2.10E-17	-0.25821	0.025	0.134	3.14E-13	Opc-G	BCL2L12
TAGAP.10	2.13E-17	-0.48199	0.01	0.107	3.19E-13	Opc-G	TAGAP
MPV17.2	2.26E-17	0.229461	0.458	0.338	3.37E-13	Opc-G	MPV17
PPM1B.5	2.30E-17	0.261691	0.417	0.293	3.44E-13	Opc-G	PPM1B
POLR2J3.9	2.41E-17	0.220974	0.449	0.331	3.60E-13	Opc-G	POLR2J3
SLC29A1.9	2.62E-17	-0.43857	0.034	0.144	3.91E-13	Opc-G	SLC29A1
ODF3B.10	2.63E-17	-0.3361	0.005	0.1	3.92E-13	Opc-G	ODF3B
KRIT1.8	2.67E-17	0.272322	0.322	0.209	3.98E-13	Opc-G	KRIT1
CA14.9	2.81E-17	0.240642	0.116	0.047	4.19E-13	Opc-G	CA14
RASGEF1B.3	3.01E-17	-0.4606	0.023	0.127	4.49E-13	Opc-G	RASGEF1B
ITPR2.8	3.15E-17	-0.30636	0.029	0.138	4.71E-13	Opc-G	ITPR2
C6orf1.2	3.22E-17	-0.3545	0.204	0.371	4.81E-13	Opc-G	C6orf1
MAGT1.5	3.23E-17	-0.30768	0.077	0.211	4.82E-13	Opc-G	MAGT1
STK25.8	3.25E-17	0.287447	0.404	0.295	4.85E-13	Opc-G	STK25
ATOX1.4	3.45E-17	0.238978	0.12	0.049	5.15E-13	Opc-G	ATOX1
CYFIP1.9	3.53E-17	-0.4466	0.15	0.292	5.27E-13	Opc-G	CYFIP1
ZNF268.7	3.57E-17	0.274433	0.206	0.111	5.34E-13	Opc-G	ZNF268
NR4A3.9	3.61E-17	-0.5239	0.046	0.158	5.40E-13	Opc-G	NR4A3
COX16.3	3.62E-17	0.210431	0.623	0.492	5.40E-13	Opc-G	COX16
GNAI1.8	3.73E-17	0.230239	0.197	0.099	5.58E-13	Opc-G	GNAI1



FLAD1. 6	3. 75E-17	0. 292395	0. 336	0. 225	5. 61E-13	Opc-G	FLAD1
AFF4. 7	3. 80E-17	0. 266506	0. 445	0. 333	5. 67E-13	Opc-G	AFF4
S100A6. 9	3. 87E-17	-0. 47171	0. 57	0. 648	5. 78E-13	Opc-G	S100A6
MTSS1L. 6	3. 95E-17	0. 258168	0. 175	0. 088	5. 91E-13	Opc-G	MTSS1L
CNOT7. 7	4. 20E-17	0. 243632	0. 475	0. 361	6. 27E-13	Opc-G	CNOT7
SNN. 10	4. 26E-17	0. 282981	0. 339	0. 218	6. 37E-13	Opc-G	SNN
YBEY. 5	4. 34E-17	0. 25593	0. 328	0. 214	6. 48E-13	Opc-G	YBEY
ILK. 5	4. 47E-17	-0. 39326	0. 21	0. 375	6. 68E-13	Opc-G	ILK
EPB41L3. 1	4. 54E-17	-0. 4199	0. 014	0. 111	6. 78E-13	Opc-G	EPB41L3
PRPF40A. 6	4. 99E-17	0. 210364	0. 561	0. 443	7. 46E-13	Opc-G	PRPF40A
MIS18BP1. 4	4. 99E-17	-0. 38652	0. 041	0. 154	7. 46E-13	Opc-G	MIS18BP1
SELPLG. 8	5. 08E-17	-0. 51592	0. 025	0. 128	7. 59E-13	Opc-G	SELPLG
P2RX4. 9	5. 22E-17	-0. 40183	0. 063	0. 184	7. 81E-13	Opc-G	P2RX4
REL. 10	5. 33E-17	-0. 49034	0. 173	0. 306	7. 96E-13	Opc-G	REL
ELN. 7	5. 52E-17	0. 198358	0. 199	0. 102	8. 25E-13	Opc-G	ELN
B3GAT2. 5	5. 53E-17	0. 246787	0. 163	0. 078	8. 26E-13	Opc-G	B3GAT2
ATRX. 7	5. 54E-17	0. 199707	0. 564	0. 436	8. 28E-13	Opc-G	ATRX
TRADD. 5	5. 86E-17	-0. 25658	0. 052	0. 175	8. 75E-13	Opc-G	TRADD
NTAN1. 7	5. 94E-17	-0. 27719	0. 075	0. 208	8. 88E-13	Opc-G	NTAN1
WSB1. 6	5. 95E-17	0. 111565	0. 772	0. 644	8. 89E-13	Opc-G	WSB1
SMARCC1. 8	6. 05E-17	0. 293592	0. 357	0. 248	9. 04E-13	Opc-G	SMARCC1
VEGFA. 7	6. 07E-17	-0. 36929	0. 089	0. 224	9. 07E-13	Opc-G	VEGFA
BAZ1A. 6	6. 13E-17	0. 27283	0. 43	0. 312	9. 17E-13	Opc-G	BAZ1A
FZD7. 7	6. 22E-17	-0. 19383	0. 008	0. 103	9. 30E-13	Opc-G	FZD7
LPXN. 10	6. 31E-17	-0. 40425	0. 016	0. 116	9. 43E-13	Opc-G	LPXN
RASSF5. 9	6. 32E-17	-0. 38893	0. 023	0. 126	9. 44E-13	Opc-G	RASSF5
PARP9. 5	6. 46E-17	-0. 26944	0. 053	0. 178	9. 66E-13	Opc-G	PARP9
SEPW1. 4	6. 46E-17	0. 104233	0. 814	0. 663	9. 66E-13	Opc-G	SEPW1
IL17RA. 1C	6. 48E-17	-0. 33263	0. 022	0. 126	9. 68E-13	Opc-G	IL17RA
SOAT1. 10	6. 63E-17	-0. 38057	0. 078	0. 206	9. 91E-13	Opc-G	SOAT1
MT2A. 9	6. 76E-17	-0. 40288	0. 717	0. 788	1. 01E-12	Opc-G	MT2A
HPGDS. 9	6. 93E-17	-0. 44868	0. 004	0. 095	1. 04E-12	Opc-G	HPGDS
MAD1L1. 4	7. 01E-17	0. 252567	0. 257	0. 15	1. 05E-12	Opc-G	MAD1L1
NABP1. 8	7. 44E-17	-0. 42781	0. 026	0. 13	1. 11E-12	Opc-G	NABP1
PRR4. 9	7. 55E-17	0. 298198	0. 318	0. 21	1. 13E-12	Opc-G	PRR4
EVI2A. 9	7. 57E-17	-0. 56051	0. 104	0. 231	1. 13E-12	Opc-G	EVI2A
ZNF267. 9	7. 60E-17	-0. 32737	0. 03	0. 139	1. 14E-12	Opc-G	ZNF267
SP110. 8	8. 20E-17	-0. 38411	0. 077	0. 206	1. 23E-12	Opc-G	SP110
SUCLG2. 7	8. 51E-17	-0. 31442	0. 109	0. 254	1. 27E-12	Opc-G	SUCLG2
ANXA7. 7	8. 76E-17	-0. 38223	0. 191	0. 348	1. 31E-12	Opc-G	ANXA7
TMEM141. 7	9. 07E-17	-0. 36558	0. 116	0. 261	1. 36E-12	Opc-G	TMEM141
CLEC2B. 1C	9. 11E-17	-0. 55598	0. 093	0. 212	1. 36E-12	Opc-G	CLEC2B
LCP2. 10	9. 81E-17	-0. 4234	0. 02	0. 121	1. 47E-12	Opc-G	LCP2
AKAP7. 8	9. 90E-17	0. 316092	0. 295	0. 188	1. 48E-12	Opc-G	AKAP7
HSPA1A. 6	1. 02E-16	0. 286998	0. 585	0. 486	1. 52E-12	Opc-G	HSPA1A
KRCC1. 1	1. 06E-16	0. 237972	0. 34	0. 223	1. 59E-12	Opc-G	KRCC1
TRIB1. 6	1. 08E-16	-0. 40039	0. 049	0. 164	1. 62E-12	Opc-G	TRIB1
CX3CR1. 9	1. 11E-16	-0. 47381	0. 012	0. 107	1. 66E-12	Opc-G	CX3CR1
TRIM24. 9	1. 16E-16	0. 300458	0. 29	0. 185	1. 73E-12	Opc-G	TRIM24
KIF1B. 9	1. 17E-16	0. 262971	0. 406	0. 287	1. 74E-12	Opc-G	KIF1B
RNPEP. 10	1. 19E-16	-0. 34907	0. 1	0. 232	1. 78E-12	Opc-G	RNPEP

ROMO1.5	1.20E-16	0.137297	0.753	0.584	1.79E-12	Opc-G	ROMO1
TAPBP.9	1.21E-16	-0.3446	0.195	0.352	1.80E-12	Opc-G	TAPBP
RRAS.3	1.21E-16	-0.21901	0.014	0.112	1.81E-12	Opc-G	RRAS
PALD1.9	1.25E-16	-0.3953	0.012	0.108	1.87E-12	Opc-G	PALD1
BMP2K.8	1.31E-16	-0.34393	0.022	0.123	1.96E-12	Opc-G	BMP2K
AASS.6	1.33E-16	0.297724	0.201	0.109	1.98E-12	Opc-G	AASS
IL10.10	1.33E-16	-0.49148	0.015	0.112	1.99E-12	Opc-G	IL10
PLK3.8	1.38E-16	-0.41763	0.117	0.249	2.06E-12	Opc-G	PLK3
ARPC4.10	1.41E-16	-0.38185	0.377	0.523	2.11E-12	Opc-G	ARPC4
HTATIP2.9	1.44E-16	-0.33956	0.041	0.154	2.15E-12	Opc-G	HTATIP2
PSME1.9	1.45E-16	-0.35299	0.425	0.594	2.17E-12	Opc-G	PSME1
RHOQ.6	1.47E-16	-0.27141	0.051	0.169	2.19E-12	Opc-G	RHOQ
UBE2I.6	1.48E-16	0.140512	0.691	0.569	2.22E-12	Opc-G	UBE2I
LGALS3BP.1	1.50E-16	-0.40542	0.302	0.459	2.24E-12	Opc-G	LGALS3BP
IRS2.6	1.53E-16	-0.33616	0.205	0.358	2.29E-12	Opc-G	IRS2
SCIMP.10	1.56E-16	-0.37458	0.001	0.088	2.33E-12	Opc-G	SCIMP
CDK2AP2.7	1.57E-16	-0.34728	0.179	0.339	2.35E-12	Opc-G	CDK2AP2
TP53.3	1.60E-16	0.246866	0.202	0.108	2.38E-12	Opc-G	TP53
ARHGAP30.1	1.63E-16	-0.38228	0.008	0.1	2.43E-12	Opc-G	ARHGAP30
KDM7A.2	1.69E-16	0.173867	0.134	0.058	2.52E-12	Opc-G	KDM7A
CCL3.10	1.73E-16	-0.6875	0.344	0.427	2.58E-12	Opc-G	CCL3
MAP3K1.3	1.74E-16	0.263741	0.179	0.092	2.59E-12	Opc-G	MAP3K1
ZNF804A.3	1.79E-16	0.163814	0.094	0.034	2.68E-12	Opc-G	ZNF804A
PARP1.5	1.80E-16	0.195183	0.585	0.464	2.69E-12	Opc-G	PARP1
MPST.5	1.80E-16	0.311151	0.406	0.3	2.69E-12	Opc-G	MPST
GABRB3.1	1.85E-16	0.108672	0.049	0.012	2.76E-12	Opc-G	GABRB3
TFPT.7	1.91E-16	-0.36148	0.168	0.317	2.86E-12	Opc-G	TFPT
MESDC2.5	1.95E-16	-0.38798	0.249	0.414	2.92E-12	Opc-G	MESDC2
DENND3.1C	1.98E-16	-0.40167	0.012	0.106	2.96E-12	Opc-G	DENND3
CHCHD3.6	2.06E-16	0.214633	0.477	0.362	3.08E-12	Opc-G	CHCHD3
C10orf11.2	2.07E-16	-0.35389	0.012	0.107	3.09E-12	Opc-G	C10orf11
PLXNB1.8	2.07E-16	0.209585	0.15	0.07	3.09E-12	Opc-G	PLXNB1
FAM195A.6	2.20E-16	-0.26138	0.117	0.263	3.29E-12	Opc-G	FAM195A
ATP5D.9	2.29E-16	0.189251	0.768	0.604	3.43E-12	Opc-G	ATP5D
STARD3NL.2	2.34E-16	0.193484	0.508	0.39	3.49E-12	Opc-G	STARD3NL
CAMK1.6	2.45E-16	-0.33411	0.102	0.234	3.66E-12	Opc-G	CAMK1
APRT.8	2.52E-16	-0.36426	0.384	0.541	3.77E-12	Opc-G	APRT
RENBP.9	2.57E-16	-0.40874	0.036	0.142	3.84E-12	Opc-G	RENBP
KYNU.10	2.59E-16	-0.38436	0.003	0.09	3.87E-12	Opc-G	KYNU
CCRL2.9	2.60E-16	-0.4067	0.005	0.094	3.89E-12	Opc-G	CCRL2
PTK2B.7	2.70E-16	-0.33022	0.029	0.133	4.03E-12	Opc-G	PTK2B
DEF6.10	2.71E-16	-0.35453	0.007	0.097	4.04E-12	Opc-G	DEF6
SLC22A18.2	2.76E-16	-0.29791	0.026	0.13	4.12E-12	Opc-G	SLC22A18
DCTN3.3	2.83E-16	0.152063	0.642	0.508	4.23E-12	Opc-G	DCTN3
ACTN1.7	2.89E-16	-0.3285	0.122	0.264	4.32E-12	Opc-G	ACTN1
HEBP1.6	2.93E-16	-0.34524	0.074	0.197	4.38E-12	Opc-G	HEBP1
CLU.10	3.06E-16	-0.41925	0.747	0.785	4.57E-12	Opc-G	CLU
TUB.1	3.08E-16	0.105525	0.052	0.013	4.61E-12	Opc-G	TUB
SLIRP.4	3.14E-16	0.123318	0.764	0.612	4.69E-12	Opc-G	SLIRP
APOBEC3G.3	3.17E-16	-0.35086	0.023	0.124	4.74E-12	Opc-G	APOBEC3G
TRIM38.9	3.22E-16	-0.34897	0.011	0.104	4.81E-12	Opc-G	TRIM38

ARSJ. 8	3. 31E-16	-0. 17472	0. 026	0. 131	4. 94E-12	Opc-G	ARSJ
AC113189.	3. 31E-16	0. 206779	0. 135	0. 061	4. 95E-12	Opc-G	AC113189. 5
RP11-686C	3. 38E-16	0. 224863	0. 082	0. 028	5. 05E-12	Opc-G	RP11-68606. 2
PRODH	3. 42E-16	0. 186217	0. 061	0. 018	5. 11E-12	Opc-G	PRODH
CEBPA. 9	3. 48E-16	-0. 37087	0. 015	0. 11	5. 20E-12	Opc-G	CEBPA
CD320. 8	3. 51E-16	0. 239819	0. 433	0. 31	5. 25E-12	Opc-G	CD320
TNFSF12. 1	3. 71E-16	-0. 37286	0. 072	0. 193	5. 54E-12	Opc-G	TNFSF12
FGD4. 9	3. 73E-16	-0. 42801	0. 045	0. 153	5. 58E-12	Opc-G	FGD4
BCKDK. 9	3. 87E-16	-0. 3391	0. 173	0. 323	5. 79E-12	Opc-G	BCKDK
BTK. 10	3. 91E-16	-0. 35786	0. 004	0. 091	5. 85E-12	Opc-G	BTK
HECW1. 1	4. 07E-16	0. 127009	0. 071	0. 022	6. 09E-12	Opc-G	HECW1
FBXL18	4. 19E-16	0. 163021	0. 093	0. 034	6. 26E-12	Opc-G	FBXL18
SPTAN1. 8	4. 29E-16	0. 255529	0. 365	0. 253	6. 42E-12	Opc-G	SPTAN1
ZNF146. 7	4. 32E-16	0. 291166	0. 325	0. 221	6. 45E-12	Opc-G	ZNF146
TMEM134. 5	4. 33E-16	-0. 32322	0. 168	0. 319	6. 47E-12	Opc-G	TMEM134
FKBP7. 6	4. 35E-16	0. 221686	0. 172	0. 086	6. 51E-12	Opc-G	FKBP7
CLDN12. 1C	4. 46E-16	0. 277613	0. 228	0. 132	6. 66E-12	Opc-G	CLDN12
SF1. 6	4. 47E-16	0. 17567	0. 616	0. 5	6. 68E-12	Opc-G	SF1
SERPINH1.	4. 75E-16	-0. 28732	0. 085	0. 217	7. 10E-12	Opc-G	SERPINH1
GBAS. 5	4. 83E-16	0. 212133	0. 512	0. 392	7. 22E-12	Opc-G	GBAS
ORAI1. 5	4. 87E-16	-0. 22029	0. 027	0. 131	7. 27E-12	Opc-G	ORAI1
LIMS2	5. 06E-16	0. 104199	0. 037	0. 007	7. 56E-12	Opc-G	LIMS2
CNDP2. 9	5. 39E-16	-0. 35636	0. 284	0. 441	8. 06E-12	Opc-G	CNDP2
AQP1. 3	5. 43E-16	0. 129651	0. 107	0. 042	8. 12E-12	Opc-G	AQP1
HLA-DOA. 8	5. 43E-16	-0. 39781	0. 01	0. 1	8. 12E-12	Opc-G	HLA-DOA
DHX9. 6	5. 49E-16	0. 252677	0. 381	0. 271	8. 20E-12	Opc-G	DHX9
SNCAIP. 9	5. 50E-16	0. 269768	0. 161	0. 08	8. 21E-12	Opc-G	SNCAIP
MERTK. 9	5. 54E-16	-0. 43156	0. 03	0. 131	8. 28E-12	Opc-G	MERTK
TMED5. 8	5. 54E-16	-0. 37244	0. 167	0. 315	8. 28E-12	Opc-G	TMED5
MOSPD3. 6	5. 61E-16	0. 240071	0. 393	0. 28	8. 39E-12	Opc-G	MOSPD3
DRAM2. 9	5. 67E-16	-0. 45313	0. 202	0. 345	8. 48E-12	Opc-G	DRAM2
CBS. 8	5. 79E-16	0. 307364	0. 247	0. 151	8. 65E-12	Opc-G	CBS
EBF1. 1	5. 81E-16	0. 112521	0. 052	0. 013	8. 68E-12	Opc-G	EBF1
GPSM2. 8	5. 91E-16	0. 273025	0. 276	0. 17	8. 84E-12	Opc-G	GPSM2
FNDC3B. 6	5. 93E-16	-0. 27425	0. 061	0. 181	8. 87E-12	Opc-G	FNDC3B
PPP1CC. 6	6. 05E-16	0. 210568	0. 552	0. 438	9. 03E-12	Opc-G	PPP1CC
RP11-448A	6. 18E-16	0. 285242	0. 169	0. 087	9. 23E-12	Opc-G	RP11-448A19. 1
SMC6. 7	6. 33E-16	0. 319154	0. 247	0. 151	9. 46E-12	Opc-G	SMC6
IL10RB. 1C	6. 69E-16	-0. 39035	0. 117	0. 252	1. 00E-11	Opc-G	IL10RB
NEURL1B	6. 69E-16	0. 160586	0. 079	0. 027	1. 00E-11	Opc-G	NEURL1B
ALDH7A1. 5	6. 85E-16	0. 277407	0. 376	0. 269	1. 02E-11	Opc-G	ALDH7A1
EMC4. 1	6. 90E-16	0. 138361	0. 592	0. 475	1. 03E-11	Opc-G	EMC4
SHC1. 4	6. 92E-16	-0. 24335	0. 03	0. 136	1. 03E-11	Opc-G	SHC1
NAP1L5. 8	7. 25E-16	0. 267124	0. 224	0. 128	1. 08E-11	Opc-G	NAP1L5
SORT1. 6	7. 27E-16	-0. 29975	0. 101	0. 238	1. 09E-11	Opc-G	SORT1
COA5. 4	7. 41E-16	0. 245277	0. 41	0. 299	1. 11E-11	Opc-G	COA5
BATF3. 4	7. 42E-16	-0. 229	0. 008	0. 098	1. 11E-11	Opc-G	BATF3
ZNF302. 9	7. 43E-16	0. 166399	0. 432	0. 307	1. 11E-11	Opc-G	ZNF302
DSE. 10	7. 48E-16	-0. 40941	0. 04	0. 144	1. 12E-11	Opc-G	DSE
CXCL14. 7	7. 90E-16	-0. 4445	0. 04	0. 148	1. 18E-11	Opc-G	CXCL14
ITGAX. 9	7. 96E-16	-0. 40601	0. 008	0. 096	1. 19E-11	Opc-G	ITGAX

CLOCK.7	8.12E-16	0.351519	0.213	0.122	1.21E-11	0pc-G	CLOCK
TEAD2.8	8.12E-16	0.291177	0.164	0.085	1.21E-11	0pc-G	TEAD2
DLD.7	8.92E-16	0.203987	0.459	0.336	1.33E-11	0pc-G	DLD
PGAP1.9	8.99E-16	0.277595	0.28	0.177	1.34E-11	0pc-G	PGAP1
AHNAK.5	9.13E-16	-0.30914	0.025	0.124	1.36E-11	0pc-G	AHNAK
CA12.10	9.25E-16	-0.28035	0.036	0.143	1.38E-11	0pc-G	CA12
ICOSLG.1C	9.42E-16	-0.33178	0.008	0.096	1.41E-11	0pc-G	ICOSLG
ABHD6.3	9.64E-16	0.279998	0.183	0.097	1.44E-11	0pc-G	ABHD6
ADAM9.7	9.81E-16	-0.31613	0.184	0.339	1.47E-11	0pc-G	ADAM9
RP11-345J	1.07E-15	-0.23357	0.104	0.243	1.59E-11	0pc-G	RP11-345J4.5
POSTN.9	1.08E-15	-0.29679	0.031	0.136	1.61E-11	0pc-G	POSTN
MYL12B.8	1.08E-15	-0.30781	0.663	0.731	1.62E-11	0pc-G	MYL12B
SLC25A19.	1.11E-15	-0.38643	0.061	0.176	1.66E-11	0pc-G	SLC25A19
SNX9.8	1.12E-15	-0.32309	0.075	0.197	1.67E-11	0pc-G	SNX9
XBP1.9	1.12E-15	-0.38554	0.239	0.38	1.68E-11	0pc-G	XBP1
ARHGAP9.1	1.14E-15	-0.34001	0.005	0.091	1.70E-11	0pc-G	ARHGAP9
CCDC126.6	1.14E-15	0.244188	0.202	0.11	1.71E-11	0pc-G	CCDC126
PSMB9.8	1.18E-15	-0.35318	0.249	0.416	1.77E-11	0pc-G	PSMB9
SAA1.7	1.22E-15	-1.12558	0.027	0.125	1.82E-11	0pc-G	SAA1
MANBA.10	1.24E-15	-0.36323	0.027	0.127	1.86E-11	0pc-G	MANBA
NCKAP5L.2	1.26E-15	0.219363	0.202	0.108	1.89E-11	0pc-G	NCKAP5L
B3GNT5.9	1.27E-15	-0.33718	0.041	0.148	1.90E-11	0pc-G	B3GNT5
PLIN3.6	1.31E-15	-0.37077	0.219	0.367	1.95E-11	0pc-G	PLIN3
ARL15.1	1.32E-15	0.153822	0.105	0.042	1.98E-11	0pc-G	ARL15
BRD3.9	1.35E-15	0.289331	0.374	0.268	2.02E-11	0pc-G	BRD3
POLR2H.7	1.37E-15	0.220062	0.426	0.316	2.05E-11	0pc-G	POLR2H
LRRC25.1C	1.37E-15	-0.37914	0.01	0.098	2.05E-11	0pc-G	LRRC25
LSM1.5	1.42E-15	0.179491	0.568	0.448	2.12E-11	0pc-G	LSM1
C7orf55-L	1.45E-15	0.262357	0.441	0.332	2.16E-11	0pc-G	C7orf55-LUC7L2
MGST1.7	1.57E-15	-0.80287	0.046	0.151	2.35E-11	0pc-G	MGST1
ATIC.2	1.59E-15	0.272175	0.327	0.218	2.37E-11	0pc-G	ATIC
TECR.7	1.65E-15	-0.3756	0.422	0.551	2.46E-11	0pc-G	TECR
RTF1.8	1.65E-15	0.209247	0.536	0.423	2.47E-11	0pc-G	RTF1
YAE1D1.8	1.72E-15	0.311623	0.253	0.154	2.57E-11	0pc-G	YAE1D1
P2RY13.8	1.73E-15	-0.45831	0.005	0.09	2.59E-11	0pc-G	P2RY13
GRIN2B.1	1.73E-15	0.102336	0.056	0.016	2.59E-11	0pc-G	GRIN2B
TTYH2.8	1.80E-15	-0.284	0.023	0.121	2.69E-11	0pc-G	TTYH2
SLC39A1.6	1.88E-15	-0.38609	0.249	0.396	2.81E-11	0pc-G	SLC39A1
NPDC1.8	1.92E-15	0.267856	0.436	0.316	2.86E-11	0pc-G	NPDC1
OGFRL1.1C	2.08E-15	-0.38999	0.074	0.189	3.11E-11	0pc-G	OGFRL1
EPHB6.2	2.17E-15	0.180167	0.101	0.04	3.25E-11	0pc-G	EPHB6
C9orf3.8	2.18E-15	0.285297	0.187	0.099	3.26E-11	0pc-G	C9orf3
MSI1.8	2.20E-15	0.275233	0.223	0.129	3.29E-11	0pc-G	MSI1
ADPGK.10	2.21E-15	-0.34796	0.134	0.27	3.30E-11	0pc-G	ADPGK
FADS2.7	2.25E-15	0.313559	0.221	0.131	3.36E-11	0pc-G	FADS2
SULF1	2.30E-15	0.158556	0.056	0.016	3.44E-11	0pc-G	SULF1
TIMM8B.6	2.34E-15	0.151471	0.663	0.536	3.50E-11	0pc-G	TIMM8B
LDLRAD3.8	2.35E-15	0.310047	0.265	0.17	3.51E-11	0pc-G	LDLRAD3
SYT1.10	2.35E-15	0.146914	0.191	0.094	3.52E-11	0pc-G	SYT1
FAM200A.6	2.37E-15	0.239211	0.175	0.091	3.54E-11	0pc-G	FAM200A
HPS1.9	2.37E-15	-0.36506	0.022	0.117	3.55E-11	0pc-G	HPS1

IL32. 8	2. 44E-15	-0. 46767	0. 015	0. 106	3. 64E-11	Opc-G	IL32
CCL4L2. 8	2. 47E-15	-0. 62479	0. 007	0. 092	3. 69E-11	Opc-G	CCL4L2
MCF2L. 7	2. 52E-15	0. 180123	0. 179	0. 09	3. 76E-11	Opc-G	MCF2L
SOBP. 8	2. 53E-15	0. 294367	0. 221	0. 128	3. 79E-11	Opc-G	SOBP
EPHB3. 1	2. 59E-15	0. 181906	0. 104	0. 042	3. 88E-11	Opc-G	EPHB3
PRTFDC1. 6	2. 71E-15	0. 285191	0. 223	0. 129	4. 05E-11	Opc-G	PRTFDC1
ASXL3. 2	2. 71E-15	0. 16524	0. 079	0. 028	4. 06E-11	Opc-G	ASXL3
ICAM3. 7	2. 73E-15	-0. 25789	0. 015	0. 107	4. 08E-11	Opc-G	ICAM3
ZNF638. 7	2. 78E-15	0. 252844	0. 354	0. 245	4. 16E-11	Opc-G	ZNF638
CHD9. 5	2. 82E-15	0. 186598	0. 57	0. 46	4. 22E-11	Opc-G	CHD9
PSMB10. 9	2. 87E-15	-0. 38684	0. 131	0. 263	4. 28E-11	Opc-G	PSMB10
LINC00574	3. 03E-15	0. 101085	0. 042	0. 01	4. 53E-11	Opc-G	LINC00574
GNG5. 8	3. 05E-15	-0. 31876	0. 586	0. 648	4. 55E-11	Opc-G	GNG5
C7orf73. 7	3. 06E-15	0. 100952	0. 679	0. 546	4. 58E-11	Opc-G	C7orf73
PSPC1. 8	3. 15E-15	0. 264719	0. 309	0. 204	4. 71E-11	Opc-G	PSPC1
SRRT. 7	3. 20E-15	0. 256686	0. 317	0. 21	4. 79E-11	Opc-G	SRRT
ZNF22. 8	3. 29E-15	0. 267472	0. 377	0. 269	4. 91E-11	Opc-G	ZNF22
DUSP2. 9	3. 31E-15	-0. 45503	0. 023	0. 116	4. 95E-11	Opc-G	DUSP2
ACP1. 5	3. 35E-15	0. 148098	0. 611	0. 491	5. 01E-11	Opc-G	ACP1
TUBB2A. 9	3. 36E-15	0. 176926	0. 65	0. 466	5. 01E-11	Opc-G	TUBB2A
BEND5. 8	3. 40E-15	0. 238872	0. 227	0. 131	5. 08E-11	Opc-G	BEND5
NLRP3. 9	3. 47E-15	-0. 38894	0. 008	0. 093	5. 18E-11	Opc-G	NLRP3
RELB. 5	3. 55E-15	-0. 21177	0. 012	0. 101	5. 30E-11	Opc-G	RELB
SPOCK2. 8	3. 64E-15	-0. 26365	0. 04	0. 146	5. 43E-11	Opc-G	SPOCK2
NOL4. 8	3. 68E-15	0. 187979	0. 134	0. 061	5. 50E-11	Opc-G	NOL4
CD48. 10	3. 78E-15	-0. 39102	0. 003	0. 083	5. 64E-11	Opc-G	CD48
ZFP36L1. 6	3. 85E-15	-0. 40466	0. 43	0. 568	5. 75E-11	Opc-G	ZFP36L1
TMC6. 10	3. 97E-15	-0. 37496	0. 023	0. 117	5. 93E-11	Opc-G	TMC6
RAF1. 8	3. 98E-15	0. 256373	0. 376	0. 27	5. 95E-11	Opc-G	RAF1
CPT1C. 7	3. 99E-15	0. 244194	0. 187	0. 1	5. 96E-11	Opc-G	CPT1C
ATP2B2	4. 13E-15	0. 116436	0. 046	0. 012	6. 17E-11	Opc-G	ATP2B2
EFNA2. 8	4. 15E-15	0. 199453	0. 111	0. 047	6. 20E-11	Opc-G	EFNA2
BAG3. 6	4. 16E-15	-0. 29599	0. 02	0. 114	6. 22E-11	Opc-G	BAG3
ARHGEF9. 7	4. 22E-15	0. 264132	0. 204	0. 114	6. 30E-11	Opc-G	ARHGEF9
ZFAND2A. 7	4. 23E-15	0. 218842	0. 391	0. 276	6. 33E-11	Opc-G	ZFAND2A
AMER2. 9	4. 28E-15	0. 137334	0. 206	0. 108	6. 40E-11	Opc-G	AMER2
SLPI. 7	4. 34E-15	-1. 06904	0. 053	0. 156	6. 48E-11	Opc-G	SLPI
GADD45GIP1	4. 36E-15	0. 190273	0. 712	0. 553	6. 51E-11	Opc-G	GADD45GIP1
SOX13	4. 51E-15	0. 1821	0. 085	0. 031	6. 74E-11	Opc-G	SOX13
HIBCH. 6	4. 53E-15	0. 251222	0. 342	0. 238	6. 77E-11	Opc-G	HIBCH
RN7SL832P	4. 64E-15	0. 136866	0. 071	0. 023	6. 93E-11	Opc-G	RN7SL832P
CFLAR. 6	4. 69E-15	-0. 38882	0. 186	0. 327	7. 01E-11	Opc-G	CFLAR
TRIM44. 8	4. 84E-15	0. 271749	0. 385	0. 28	7. 24E-11	Opc-G	TRIM44
FAM49B. 9	4. 86E-15	-0. 35626	0. 378	0. 514	7. 26E-11	Opc-G	FAM49B
ORMDL3. 6	4. 92E-15	0. 235135	0. 213	0. 121	7. 36E-11	Opc-G	ORMDL3
SUCLG1. 6	5. 09E-15	0. 212626	0. 538	0. 43	7. 60E-11	Opc-G	SUCLG1
COX20. 5	5. 13E-15	0. 167482	0. 563	0. 453	7. 67E-11	Opc-G	COX20
CCDC142. 4	5. 26E-15	0. 193691	0. 131	0. 06	7. 86E-11	Opc-G	CCDC142
ZNF827. 7	5. 27E-15	0. 331951	0. 193	0. 109	7. 88E-11	Opc-G	ZNF827
RP11-436K	5. 35E-15	0. 153274	0. 078	0. 027	7. 99E-11	Opc-G	RP11-436K8. 1
TPST2. 8	5. 63E-15	-0. 30281	0. 061	0. 174	8. 42E-11	Opc-G	TPST2



DPP4. 7	1. 75E-14	-0. 16525	0. 004	0. 083	2. 62E-10	Opc-G	DPP4
ST3GAL1. 9	1. 76E-14	-0. 31835	0. 019	0. 108	2. 63E-10	Opc-G	ST3GAL1
MNAT1. 6	1. 79E-14	0. 279059	0. 283	0. 187	2. 67E-10	Opc-G	MNAT1
CCR1. 9	1. 80E-14	-0. 34964	0. 007	0. 087	2. 69E-10	Opc-G	CCR1
OSCAR. 10	1. 85E-14	-0. 29607	0. 001	0. 077	2. 76E-10	Opc-G	OSCAR
ILKAP. 6	1. 88E-14	0. 280615	0. 322	0. 223	2. 81E-10	Opc-G	ILKAP
ZBTB18. 3	1. 88E-14	0. 218038	0. 111	0. 048	2. 82E-10	Opc-G	ZBTB18
RP11-111M	1. 95E-14	0. 231966	0. 171	0. 091	2. 92E-10	Opc-G	RP11-111M22. 3
PVRL2. 8	1. 97E-14	-0. 29051	0. 122	0. 251	2. 94E-10	Opc-G	PVRL2
ZHX2. 2	2. 05E-14	0. 173662	0. 109	0. 047	3. 06E-10	Opc-G	ZHX2
CDH20. 1	2. 06E-14	0. 116929	0. 057	0. 017	3. 07E-10	Opc-G	CDH20
ZSCAN16. 4	2. 22E-14	0. 195608	0. 128	0. 059	3. 32E-10	Opc-G	ZSCAN16
MOB4. 7	2. 22E-14	0. 180995	0. 473	0. 365	3. 32E-10	Opc-G	MOB4
THBD. 9	2. 31E-14	-0. 39416	0. 015	0. 099	3. 45E-10	Opc-G	THBD
NCL. 6	2. 33E-14	0. 148565	0. 649	0. 549	3. 49E-10	Opc-G	NCL
TMEM160. 9	2. 37E-14	0. 208032	0. 572	0. 459	3. 54E-10	Opc-G	TMEM160
LILRA2. 1C	2. 42E-14	-0. 38679	0. 008	0. 089	3. 62E-10	Opc-G	LILRA2
ST8SIA4. 1	2. 60E-14	-0. 35062	0. 031	0. 125	3. 89E-10	Opc-G	ST8SIA4
TWISTNB. 4	2. 68E-14	0. 192335	0. 37	0. 262	4. 01E-10	Opc-G	TWISTNB
GM2A. 8	2. 75E-14	-0. 31645	0. 046	0. 15	4. 11E-10	Opc-G	GM2A
NDUFB10. 3	2. 80E-14	0. 116751	0. 794	0. 63	4. 18E-10	Opc-G	NDUFB10
FGR. 10	2. 91E-14	-0. 34095	0. 008	0. 088	4. 35E-10	Opc-G	FGR
KLHDC2. 8	2. 93E-14	0. 248261	0. 399	0. 296	4. 38E-10	Opc-G	KLHDC2
IFNGR2. 9	2. 99E-14	-0. 33595	0. 261	0. 398	4. 48E-10	Opc-G	IFNGR2
UBTD1. 4	3. 02E-14	-0. 18416	0. 025	0. 118	4. 52E-10	Opc-G	UBTD1
CECR6	3. 26E-14	0. 132841	0. 059	0. 018	4. 88E-10	Opc-G	CECR6
NDUFS3. 4	3. 27E-14	0. 13532	0. 601	0. 482	4. 89E-10	Opc-G	NDUFS3
TRIM22. 8	3. 28E-14	-0. 36624	0. 042	0. 141	4. 89E-10	Opc-G	TRIM22
OTUD1. 8	3. 28E-14	-0. 35453	0. 018	0. 103	4. 90E-10	Opc-G	OTUD1
ARRDC1. 9	3. 28E-14	-0. 28432	0. 041	0. 14	4. 90E-10	Opc-G	ARRDC1
IRAK3. 10	3. 37E-14	-0. 32366	0. 003	0. 078	5. 04E-10	Opc-G	IRAK3
SASH3. 10	3. 52E-14	-0. 33165	0. 005	0. 083	5. 26E-10	Opc-G	SASH3
GPR84. 10	3. 53E-14	-0. 3378	0. 003	0. 078	5. 27E-10	Opc-G	GPR84
PRDM1. 9	3. 58E-14	-0. 36399	0. 019	0. 105	5. 35E-10	Opc-G	PRDM1
ABHD12. 6	3. 72E-14	-0. 31542	0. 253	0. 39	5. 56E-10	Opc-G	ABHD12
ZNF75A. 8	3. 81E-14	0. 262443	0. 306	0. 208	5. 70E-10	Opc-G	ZNF75A
COLGALT1. 3	3. 89E-14	-0. 3091	0. 083	0. 199	5. 81E-10	Opc-G	COLGALT1
FRYL. 9	3. 91E-14	0. 274686	0. 276	0. 182	5. 84E-10	Opc-G	FRYL
NT5C3A. 8	3. 92E-14	0. 22141	0. 398	0. 287	5. 85E-10	Opc-G	NT5C3A
ANXA4. 8	3. 95E-14	-0. 3345	0. 083	0. 201	5. 91E-10	Opc-G	ANXA4
PIP4K2A. 6	3. 97E-14	-0. 364	0. 045	0. 143	5. 94E-10	Opc-G	PIP4K2A
KLHL5. 4	4. 05E-14	-0. 26124	0. 066	0. 177	6. 05E-10	Opc-G	KLHL5
MINOS1. 8	4. 18E-14	-0. 29859	0. 544	0. 646	6. 24E-10	Opc-G	MINOS1
VAX2. 9	4. 29E-14	0. 230595	0. 149	0. 075	6. 41E-10	Opc-G	VAX2
TMPRSS5. 1	4. 30E-14	0. 148259	0. 066	0. 022	6. 43E-10	Opc-G	TMPRSS5
PAXIP1-AS	4. 42E-14	0. 284241	0. 245	0. 153	6. 61E-10	Opc-G	PAXIP1-AS1
RBM25. 4	4. 49E-14	0. 18746	0. 537	0. 434	6. 71E-10	Opc-G	RBM25
ZNF791. 6	4. 51E-14	0. 251286	0. 367	0. 264	6. 75E-10	Opc-G	ZNF791
HDAC4. 2	4. 63E-14	0. 200875	0. 102	0. 043	6. 91E-10	Opc-G	HDAC4
RILP. 10	4. 66E-14	-0. 24156	0. 02	0. 108	6. 96E-10	Opc-G	RILP
TSEN2. 8	5. 11E-14	0. 267489	0. 16	0. 084	7. 64E-10	Opc-G	TSEN2

SLC24A3	5.14E-14	0.146334	0.072	0.026	7.68E-10	Opc-G	SLC24A3
NUDT1.4	5.16E-14	0.201467	0.462	0.343	7.72E-10	Opc-G	NUDT1
SCO2.9	5.30E-14	-0.28305	0.096	0.219	7.92E-10	Opc-G	SCO2
BDH2.4	5.31E-14	-0.27346	0.045	0.148	7.94E-10	Opc-G	BDH2
HK1.7	5.47E-14	-0.28837	0.086	0.202	8.17E-10	Opc-G	HK1
ZNF503.3	5.49E-14	0.234656	0.182	0.098	8.20E-10	Opc-G	ZNF503
ATL1.7	5.57E-14	0.233292	0.197	0.111	8.32E-10	Opc-G	ATL1
ERGIC3.7	5.61E-14	0.11872	0.723	0.566	8.38E-10	Opc-G	ERGIC3
ORAI3.8	5.64E-14	-0.26695	0.046	0.148	8.42E-10	Opc-G	ORAI3
LINC-PINT	5.66E-14	0.248009	0.186	0.101	8.46E-10	Opc-G	LINC-PINT
RPRM.10	5.74E-14	0.161247	0.135	0.062	8.58E-10	Opc-G	RPRM
UBE2V2.8	6.11E-14	0.155164	0.607	0.487	9.13E-10	Opc-G	UBE2V2
RFFL.10	6.17E-14	-0.24718	0.063	0.171	9.21E-10	Opc-G	RFFL
ZSCAN21.7	6.28E-14	0.217437	0.179	0.097	9.38E-10	Opc-G	ZSCAN21
AK1.6	6.34E-14	0.206981	0.439	0.328	9.48E-10	Opc-G	AK1
TTY15.4	6.43E-14	0.181797	0.115	0.051	9.60E-10	Opc-G	TTY15
BPTF.7	6.48E-14	0.266858	0.4	0.305	9.68E-10	Opc-G	BPTF
TNFAIP2.8	6.48E-14	-0.29123	0.004	0.079	9.69E-10	Opc-G	TNFAIP2
RHOH.9	6.60E-14	-0.37641	0.005	0.082	9.87E-10	Opc-G	RHOH
COMMD2.6	6.67E-14	0.253695	0.383	0.283	9.96E-10	Opc-G	COMMD2
SDC4.5	6.98E-14	-0.2663	0.016	0.101	1.04E-09	Opc-G	SDC4
MX1.7	7.10E-14	-0.35643	0.033	0.126	1.06E-09	Opc-G	MX1
MT1E.9	7.18E-14	-0.48913	0.247	0.389	1.07E-09	Opc-G	MT1E
IL6R.10	7.20E-14	-0.32619	0.011	0.091	1.08E-09	Opc-G	IL6R
NIPSNAP3A	7.30E-14	-0.32952	0.09	0.207	1.09E-09	Opc-G	NIPSNAP3A
PSMD14.7	7.38E-14	0.14175	0.564	0.461	1.10E-09	Opc-G	PSMD14
ZNF195.6	7.42E-14	0.227165	0.251	0.156	1.11E-09	Opc-G	ZNF195
FAM229B.9	7.51E-14	0.241501	0.387	0.286	1.12E-09	Opc-G	FAM229B
QTRT1.8	7.53E-14	0.247537	0.421	0.325	1.13E-09	Opc-G	QTRT1
CD40.10	7.54E-14	-0.2923	0	0.071	1.13E-09	Opc-G	CD40
CLNS1A.6	8.04E-14	0.141	0.594	0.485	1.20E-09	Opc-G	CLNS1A
AKIRIN2.7	8.23E-14	0.216962	0.482	0.374	1.23E-09	Opc-G	AKIRIN2
SIL1.7	8.30E-14	-0.28084	0.131	0.263	1.24E-09	Opc-G	SIL1
ECHDC2.6	8.49E-14	-0.23874	0.078	0.196	1.27E-09	Opc-G	ECHDC2
AP1S2.8	8.62E-14	-0.28608	0.399	0.507	1.29E-09	Opc-G	AP1S2
EFR3A.8	8.93E-14	-0.21271	0.046	0.148	1.33E-09	Opc-G	EFR3A
GCA.10	9.07E-14	-0.39693	0.179	0.307	1.36E-09	Opc-G	GCA
RBM4.8	9.20E-14	0.284774	0.309	0.214	1.37E-09	Opc-G	RBM4
ARFGAP2.5	9.39E-14	0.227825	0.389	0.285	1.40E-09	Opc-G	ARFGAP2
BCL11B.7	9.51E-14	0.16214	0.081	0.03	1.42E-09	Opc-G	BCL11B
MIF.7	9.75E-14	0.115022	0.796	0.662	1.46E-09	Opc-G	MIF
CACNA2D4.9	9.78E-14	-0.34251	0.004	0.078	1.46E-09	Opc-G	CACNA2D4
SYPL1.4	1.06E-13	-0.39208	0.266	0.415	1.59E-09	Opc-G	SYPL1
TANC1.8	1.10E-13	0.269911	0.182	0.103	1.64E-09	Opc-G	TANC1
RIN3.10	1.10E-13	-0.33267	0.03	0.121	1.65E-09	Opc-G	RIN3
PLXND1.8	1.16E-13	-0.30422	0.019	0.103	1.73E-09	Opc-G	PLXND1
RPS6KA4.9	1.16E-13	-0.25309	0.034	0.127	1.74E-09	Opc-G	RPS6KA4
ENOSF1.7	1.16E-13	-0.23161	0.036	0.13	1.74E-09	Opc-G	ENOSF1
SH2B3.10	1.17E-13	-0.32022	0.026	0.114	1.75E-09	Opc-G	SH2B3
HNRNPR.5	1.17E-13	0.142675	0.622	0.513	1.75E-09	Opc-G	HNRNPR
BTG2.6	1.19E-13	0.146737	0.582	0.46	1.77E-09	Opc-G	BTG2



UHMK1.4	1.19E-13	-0.22884	0.09	0.211	1.77E-09	Opc-G	UHMK1
KCNMB2.4	1.26E-13	0.147694	0.079	0.029	1.89E-09	Opc-G	KCNMB2
PIGF.8	1.27E-13	0.217094	0.38	0.281	1.90E-09	Opc-G	PIGF
GIMAP1.9	1.31E-13	-0.31485	0.004	0.078	1.96E-09	Opc-G	GIMAP1
SRSF2.8	1.32E-13	0.149942	0.72	0.598	1.97E-09	Opc-G	SRSF2
ANGPTL4.6	1.33E-13	-0.45188	0.022	0.107	1.98E-09	Opc-G	ANGPTL4
CLSTN1.6	1.38E-13	0.227952	0.376	0.276	2.06E-09	Opc-G	CLSTN1
CPQ.8	1.40E-13	-0.33978	0.075	0.185	2.09E-09	Opc-G	CPQ
ZNF814.5	1.43E-13	0.222964	0.201	0.117	2.13E-09	Opc-G	ZNF814
GALNT2.4	1.47E-13	-0.29439	0.124	0.252	2.19E-09	Opc-G	GALNT2
ST14.10	1.48E-13	-0.29832	0.004	0.077	2.21E-09	Opc-G	ST14
ATP5G1.3	1.51E-13	0.11206	0.732	0.61	2.25E-09	Opc-G	ATP5G1
CECR5.5	1.51E-13	0.289092	0.336	0.246	2.26E-09	Opc-G	CECR5
ZEB2.6	1.51E-13	0.165917	0.422	0.296	2.26E-09	Opc-G	ZEB2
CD300C.1C	1.52E-13	-0.31527	0.001	0.072	2.27E-09	Opc-G	CD300C
AP4M1.8	1.63E-13	0.259089	0.283	0.187	2.43E-09	Opc-G	AP4M1
MEIS3.8	1.64E-13	0.257276	0.209	0.124	2.44E-09	Opc-G	MEIS3
PCDHB2.8	1.65E-13	0.205301	0.146	0.075	2.47E-09	Opc-G	PCDHB2
SPPL2A.1C	1.65E-13	-0.29061	0.081	0.191	2.47E-09	Opc-G	SPPL2A
ZNF781.4	1.70E-13	0.17001	0.097	0.041	2.54E-09	Opc-G	ZNF781
GALK1.7	1.71E-13	-0.23971	0.092	0.212	2.55E-09	Opc-G	GALK1
SH3BP1.1C	1.74E-13	-0.28734	0.029	0.117	2.61E-09	Opc-G	SH3BP1
DNAJC2.7	1.84E-13	0.228964	0.391	0.292	2.74E-09	Opc-G	DNAJC2
DCTN1.7	1.91E-13	0.225956	0.31	0.209	2.85E-09	Opc-G	DCTN1
SECISBP2.1	1.95E-13	0.257181	0.346	0.247	2.91E-09	Opc-G	SECISBP2
AREG.10	1.98E-13	-0.46675	0	0.069	2.96E-09	Opc-G	AREG
TRIP6.9	2.01E-13	-0.30123	0.127	0.257	3.00E-09	Opc-G	TRIP6
DLGAP4.7	2.03E-13	0.225882	0.388	0.287	3.04E-09	Opc-G	DLGAP4
DDX1.7	2.07E-13	0.20066	0.449	0.354	3.09E-09	Opc-G	DDX1
ZBTB17.4	2.07E-13	0.238141	0.187	0.106	3.10E-09	Opc-G	ZBTB17
PRCP.6	2.07E-13	0.202762	0.454	0.348	3.10E-09	Opc-G	PRCP
BIN1.8	2.09E-13	-0.43143	0.257	0.368	3.12E-09	Opc-G	BIN1
GABBR1.8	2.09E-13	0.23484	0.146	0.074	3.12E-09	Opc-G	GABBR1
KCNF1.10	2.26E-13	-0.19955	0.036	0.129	3.38E-09	Opc-G	KCNF1
NDUFV3.3	2.33E-13	0.189873	0.499	0.404	3.48E-09	Opc-G	NDUFV3
CALM3.8	2.34E-13	0.128973	0.706	0.585	3.49E-09	Opc-G	CALM3
ZNF559.8	2.38E-13	0.255693	0.227	0.139	3.56E-09	Opc-G	ZNF559
RP11-395G	2.39E-13	-0.24721	0.075	0.184	3.57E-09	Opc-G	RP11-395G23.3
ILVBL.4	2.41E-13	-0.26141	0.128	0.26	3.60E-09	Opc-G	ILVBL
ADIPOR1.7	2.41E-13	-0.30427	0.243	0.389	3.60E-09	Opc-G	ADIPOR1
KHDC1.8	2.46E-13	0.195618	0.127	0.06	3.68E-09	Opc-G	KHDC1
AHSA1.3	2.46E-13	0.156914	0.5	0.392	3.68E-09	Opc-G	AHSA1
PGK1.6	2.48E-13	-0.3219	0.709	0.757	3.70E-09	Opc-G	PGK1
CDK1.8	2.48E-13	-0.32437	0.019	0.101	3.70E-09	Opc-G	CDK1
VAV1.10	2.54E-13	-0.30573	0.005	0.078	3.79E-09	Opc-G	VAV1
ASAH1.8	2.54E-13	-0.38136	0.56	0.658	3.80E-09	Opc-G	ASAH1
GCHFR.9	2.54E-13	-0.30734	0.007	0.081	3.80E-09	Opc-G	GCHFR
ATF4.4	2.59E-13	0.117011	0.617	0.51	3.87E-09	Opc-G	ATF4
VPS28.3	2.61E-13	0.101578	0.745	0.629	3.91E-09	Opc-G	VPS28
KBTBD7.6	2.65E-13	0.198766	0.157	0.082	3.96E-09	Opc-G	KBTBD7
CCDC28A.9	2.71E-13	-0.3129	0.061	0.165	4.04E-09	Opc-G	CCDC28A

SNRNP25.6	2.94E-13	0.204778	0.443	0.343	4.39E-09	Opc-G	SNRNP25
TRIM9.8	2.98E-13	0.281949	0.32	0.227	4.45E-09	Opc-G	TRIM9
IGSF21.8	3.07E-13	0.162973	0.268	0.156	4.58E-09	Opc-G	IGSF21
CECR1.8	3.13E-13	-0.3136	0.004	0.075	4.68E-09	Opc-G	CECR1
ZNF713.3	3.35E-13	0.157729	0.101	0.043	5.00E-09	Opc-G	ZNF713
ISG20.5	3.38E-13	-0.34987	0.036	0.128	5.06E-09	Opc-G	ISG20
SPATS2L.5	3.59E-13	-0.30455	0.205	0.34	5.36E-09	Opc-G	SPATS2L
PCDH11X.1	3.62E-13	0.16164	0.067	0.023	5.41E-09	Opc-G	PCDH11X
IL4R.10	3.67E-13	-0.28912	0.004	0.075	5.49E-09	Opc-G	IL4R
PDCD5.8	3.79E-13	0.104131	0.652	0.532	5.66E-09	Opc-G	PDCD5
OPTN.8	3.80E-13	-0.19785	0.044	0.141	5.68E-09	Opc-G	OPTN
ZNF273.8	3.86E-13	0.199535	0.154	0.08	5.77E-09	Opc-G	ZNF273
COL4A1.7	3.90E-13	-0.15221	0.027	0.116	5.83E-09	Opc-G	COL4A1
CD55.9	3.95E-13	-0.4081	0.036	0.123	5.90E-09	Opc-G	CD55
LRRC8A.8	4.06E-13	0.255375	0.254	0.163	6.07E-09	Opc-G	LRRC8A
GPR19.5	4.08E-13	0.171081	0.098	0.041	6.09E-09	Opc-G	GPR19
TACC1.7	4.12E-13	-0.29706	0.184	0.321	6.15E-09	Opc-G	TACC1
C10orf10.4	4.25E-13	-0.53274	0.016	0.095	6.35E-09	Opc-G	C10orf10
ANKRD9.4	4.35E-13	-0.19117	0.014	0.092	6.50E-09	Opc-G	ANKRD9
PMAIP1.9	4.37E-13	-0.42449	0.012	0.088	6.53E-09	Opc-G	PMAIP1
ZNF100.1	4.37E-13	0.183066	0.13	0.063	6.53E-09	Opc-G	ZNF100
ACOT9.9	4.49E-13	-0.29721	0.079	0.189	6.71E-09	Opc-G	ACOT9
ACAP1.8	4.66E-13	-0.2615	0.01	0.084	6.97E-09	Opc-G	ACAP1
TNFRSF14.4	4.75E-13	-0.35028	0.033	0.121	7.09E-09	Opc-G	TNFRSF14
CUX1.4	4.76E-13	0.227304	0.332	0.235	7.11E-09	Opc-G	CUX1
PMPCB.5	4.76E-13	0.164998	0.444	0.336	7.12E-09	Opc-G	PMPCB
ZHX1.9	4.85E-13	0.301785	0.292	0.203	7.25E-09	Opc-G	ZHX1
BEST1.7	4.86E-13	-0.40324	0.161	0.282	7.26E-09	Opc-G	BEST1
HOXA3.9	4.94E-13	0.14061	0.116	0.052	7.39E-09	Opc-G	HOXA3
EPHA3.9	4.97E-13	-0.12228	0.005	0.077	7.43E-09	Opc-G	EPHA3
ILF3.6	5.07E-13	0.181781	0.508	0.405	7.57E-09	Opc-G	ILF3
RNF150.4	5.34E-13	0.148299	0.092	0.037	7.98E-09	Opc-G	RNF150
C19orf43.5	5.34E-13	0.141743	0.788	0.665	7.99E-09	Opc-G	C19orf43
SEMA6D.1C	5.35E-13	-0.24659	0.061	0.163	7.99E-09	Opc-G	SEMA6D
PTPRK.7	5.35E-13	0.129771	0.117	0.053	7.99E-09	Opc-G	PTPRK
SRSF11.5	5.38E-13	0.126517	0.648	0.532	8.04E-09	Opc-G	SRSF11
ZNF217.3	5.41E-13	-0.17489	0.014	0.092	8.08E-09	Opc-G	ZNF217
ARRDC2.8	5.43E-13	-0.29849	0.014	0.091	8.11E-09	Opc-G	ARRDC2
RFTN1.3	5.59E-13	-0.17844	0.027	0.115	8.35E-09	Opc-G	RFTN1
INPP5D.1C	5.79E-13	-0.36883	0.014	0.09	8.65E-09	Opc-G	INPP5D
C2orf68.2	5.80E-13	0.207083	0.223	0.134	8.67E-09	Opc-G	C2orf68
EPM2AIP1.5	5.82E-13	0.231883	0.29	0.192	8.70E-09	Opc-G	EPM2AIP1
SHKBP1.9	6.02E-13	-0.23026	0.119	0.245	9.00E-09	Opc-G	SHKBP1
MGP.9	6.03E-13	-0.81992	0.026	0.109	9.01E-09	Opc-G	MGP
ZNF704.9	6.06E-13	0.266246	0.201	0.118	9.05E-09	Opc-G	ZNF704
DHX33.6	6.13E-13	0.285612	0.194	0.116	9.15E-09	Opc-G	DHX33
LYRM7.6	6.22E-13	0.226693	0.29	0.195	9.30E-09	Opc-G	LYRM7
TSPAN4.6	6.38E-13	-0.2794	0.078	0.187	9.54E-09	Opc-G	TSPAN4
APOE.8	6.45E-13	-0.28555	0.698	0.685	9.64E-09	Opc-G	APOE
CXorf21.1	6.54E-13	-0.35335	0.008	0.081	9.77E-09	Opc-G	CXorf21
SIGLEC7.1	6.58E-13	-0.31278	0.007	0.079	9.83E-09	Opc-G	SIGLEC7

FOXN2.4	7.10E-13	0.210783	0.212	0.125	1.06E-08	Opc-G	FOXN2
PTPRN2.5	7.17E-13	0.197202	0.314	0.205	1.07E-08	Opc-G	PTPRN2
APOL6.2	7.24E-13	-0.20014	0.018	0.098	1.08E-08	Opc-G	APOL6
NQO2.5	7.26E-13	-0.25569	0.131	0.261	1.08E-08	Opc-G	NQO2
Clorf122.	7.41E-13	0.158098	0.604	0.481	1.11E-08	Opc-G	Clorf122
ATG3.8	7.44E-13	-0.27341	0.236	0.386	1.11E-08	Opc-G	ATG3
HSD17B10.	7.51E-13	0.113534	0.602	0.488	1.12E-08	Opc-G	HSD17B10
FAM114A1.	7.69E-13	-0.25118	0.03	0.117	1.15E-08	Opc-G	FAM114A1
MRFAP1L1.	7.70E-13	0.251599	0.307	0.214	1.15E-08	Opc-G	MRFAP1L1
BCAP29.4	7.80E-13	0.179563	0.417	0.31	1.17E-08	Opc-G	BCAP29
GADD45B.6	7.86E-13	-0.42603	0.388	0.497	1.18E-08	Opc-G	GADD45B
SLC39A6.7	8.20E-13	0.230464	0.415	0.322	1.23E-08	Opc-G	SLC39A6
IRF7.9	8.42E-13	-0.27464	0.066	0.167	1.26E-08	Opc-G	IRF7
PROCR.9	8.64E-13	-0.29081	0.004	0.073	1.29E-08	Opc-G	PROCR
ALDH3B1.8	8.76E-13	-0.25618	0.005	0.076	1.31E-08	Opc-G	ALDH3B1
MIR497HG.	9.09E-13	0.282493	0.128	0.063	1.36E-08	Opc-G	MIR497HG
IGFBP7.8	9.19E-13	-0.37975	0.158	0.276	1.37E-08	Opc-G	IGFBP7
MX2.10	9.34E-13	-0.2951	0.001	0.068	1.40E-08	Opc-G	MX2
CASD1.7	9.51E-13	0.214419	0.142	0.072	1.42E-08	Opc-G	CASD1
DAZAP2.8	9.85E-13	-0.34695	0.411	0.545	1.47E-08	Opc-G	DAZAP2
CCND3.7	9.88E-13	-0.34265	0.143	0.267	1.48E-08	Opc-G	CCND3
ETHE1.5	9.98E-13	-0.31511	0.164	0.297	1.49E-08	Opc-G	ETHE1
HOXD3.1	1.01E-12	0.150724	0.067	0.024	1.51E-08	Opc-G	HOXD3
GUCY1A2.4	1.02E-12	0.175613	0.083	0.033	1.53E-08	Opc-G	GUCY1A2
NASP.5	1.03E-12	0.17505	0.507	0.402	1.54E-08	Opc-G	NASP
PRKCD.9	1.03E-12	-0.27653	0.011	0.085	1.54E-08	Opc-G	PRKCD
JAK1.5	1.04E-12	-0.23264	0.134	0.261	1.55E-08	Opc-G	JAK1
GPR37L1.9	1.04E-12	0.256227	0.153	0.08	1.55E-08	Opc-G	GPR37L1
PAIP1.9	1.04E-12	0.202885	0.489	0.389	1.56E-08	Opc-G	PAIP1
KLHL9.6	1.05E-12	0.208936	0.184	0.104	1.57E-08	Opc-G	KLHL9
CKS1B.6	1.07E-12	-0.30609	0.142	0.267	1.60E-08	Opc-G	CKS1B
SLC8B1.1C	1.07E-12	-0.25677	0.022	0.103	1.61E-08	Opc-G	SLC8B1
CAP2.7	1.08E-12	0.169949	0.115	0.053	1.62E-08	Opc-G	CAP2
CREBL2.8	1.10E-12	-0.31385	0.087	0.195	1.64E-08	Opc-G	CREBL2
PDE8A.4	1.12E-12	-0.21086	0.016	0.094	1.68E-08	Opc-G	PDE8A
CYP3A5.6	1.15E-12	0.205687	0.117	0.056	1.72E-08	Opc-G	CYP3A5
U2AF1.4	1.17E-12	0.119896	0.746	0.623	1.75E-08	Opc-G	U2AF1
MARCH2.8	1.19E-12	-0.25986	0.12	0.24	1.77E-08	Opc-G	2-Mar
PPP1R1C.7	1.21E-12	0.196826	0.067	0.024	1.80E-08	Opc-G	PPP1R1C
PAQR4.9	1.24E-12	0.23733	0.249	0.158	1.85E-08	Opc-G	PAQR4
FAIM2.9	1.24E-12	0.194508	0.281	0.185	1.85E-08	Opc-G	FAIM2
LYST.4	1.25E-12	-0.22309	0.056	0.156	1.86E-08	Opc-G	LYST
EMB.10	1.29E-12	-0.31431	0.008	0.079	1.93E-08	Opc-G	EMB
ITGA3.7	1.34E-12	-0.17387	0.022	0.104	2.00E-08	Opc-G	ITGA3
CD82.5	1.35E-12	0.230557	0.331	0.233	2.01E-08	Opc-G	CD82
DOCK2.10	1.40E-12	-0.31451	0.01	0.082	2.09E-08	Opc-G	DOCK2
MMADHC.2	1.42E-12	0.162322	0.523	0.43	2.12E-08	Opc-G	MMADHC
ANGEL1.1	1.42E-12	0.163917	0.094	0.04	2.12E-08	Opc-G	ANGEL1
ID2.7	1.49E-12	-0.34233	0.582	0.659	2.22E-08	Opc-G	ID2
LDOC1.9	1.52E-12	0.173759	0.158	0.083	2.27E-08	Opc-G	LDOC1
RNASEH1-A	1.52E-12	0.290878	0.257	0.173	2.27E-08	Opc-G	RNASEH1-AS1

MZT2A. 7	1. 54E-12	0. 199531	0. 5	0. 408	2. 30E-08	Opc-G	MZT2A
PICALM. 1C	1. 55E-12	-0. 31889	0. 167	0. 289	2. 31E-08	Opc-G	PICALM
SLC16A10.	1. 59E-12	-0. 39376	0. 016	0. 092	2. 38E-08	Opc-G	SLC16A10
ZNF738. 9	1. 60E-12	0. 254155	0. 223	0. 139	2. 39E-08	Opc-G	ZNF738
PLAT. 7	1. 62E-12	0. 308671	0. 193	0. 115	2. 42E-08	Opc-G	PLAT
NSUN6. 3	1. 66E-12	0. 196542	0. 139	0. 071	2. 47E-08	Opc-G	NSUN6
BMPR2. 7	1. 66E-12	0. 267083	0. 258	0. 172	2. 48E-08	Opc-G	BMPR2
ANO6. 3	1. 73E-12	-0. 15711	0. 025	0. 108	2. 58E-08	Opc-G	ANO6
ZNF385A. 1	1. 74E-12	-0. 27965	0. 049	0. 142	2. 60E-08	Opc-G	ZNF385A
IL4I1. 8	1. 75E-12	-0. 27878	0. 003	0. 069	2. 62E-08	Opc-G	IL4I1
SLC39A4. 8	1. 76E-12	-0. 29785	0. 018	0. 095	2. 63E-08	Opc-G	SLC39A4
PLOD1. 5	1. 78E-12	-0. 23962	0. 086	0. 198	2. 66E-08	Opc-G	PLOD1
METTL9. 9	1. 84E-12	0. 186604	0. 567	0. 462	2. 74E-08	Opc-G	METTL9
APH1B. 6	1. 84E-12	-0. 27813	0. 042	0. 133	2. 75E-08	Opc-G	APH1B
ATP1A1. 5	1. 87E-12	-0. 29245	0. 348	0. 481	2. 80E-08	Opc-G	ATP1A1
PILRB. 5	1. 89E-12	0. 205744	0. 247	0. 155	2. 82E-08	Opc-G	PILRB
SMPDL3A. 8	1. 89E-12	-0. 28979	0. 041	0. 13	2. 82E-08	Opc-G	SMPDL3A
DNASE1L1.	1. 89E-12	-0. 25057	0. 007	0. 077	2. 83E-08	Opc-G	DNASE1L1
SFRP1. 9	1. 91E-12	-0. 15518	0. 022	0. 103	2. 85E-08	Opc-G	SFRP1
TRAPPC1. 5	1. 91E-12	-0. 31763	0. 503	0. 623	2. 86E-08	Opc-G	TRAPPC1
BLNK. 8	1. 92E-12	-0. 33985	0. 004	0. 071	2. 86E-08	Opc-G	BLNK
IKZF1. 9	1. 92E-12	-0. 29072	0. 003	0. 069	2. 87E-08	Opc-G	IKZF1
MSX1. 7	1. 93E-12	0. 217225	0. 123	0. 061	2. 89E-08	Opc-G	MSX1
HTATSF1. 6	1. 94E-12	0. 22182	0. 369	0. 268	2. 90E-08	Opc-G	HTATSF1
DPYD. 8	1. 96E-12	-0. 2914	0. 025	0. 106	2. 92E-08	Opc-G	DPYD
PHACTR1. 9	1. 98E-12	-0. 42879	0. 038	0. 123	2. 96E-08	Opc-G	PHACTR1
RAB3C. 6	1. 99E-12	0. 179623	0. 086	0. 035	2. 97E-08	Opc-G	RAB3C
TNFAIP8. 9	2. 00E-12	-0. 31301	0. 005	0. 074	2. 99E-08	Opc-G	TNFAIP8
AVPI1. 7	2. 01E-12	-0. 31942	0. 02	0. 099	3. 00E-08	Opc-G	AVPI1
C15orf48.	2. 03E-12	-0. 34874	0. 005	0. 073	3. 04E-08	Opc-G	C15orf48
LINC00237	2. 12E-12	0. 136594	0. 079	0. 031	3. 16E-08	Opc-G	LINC00237
AC004951.	2. 13E-12	0. 242407	0. 236	0. 151	3. 18E-08	Opc-G	AC004951. 6
EIF3B. 4	2. 16E-12	0. 239538	0. 332	0. 241	3. 23E-08	Opc-G	EIF3B
AAMP. 5	2. 18E-12	0. 156787	0. 519	0. 421	3. 25E-08	Opc-G	AAMP
TMEM107. 4	2. 22E-12	-0. 27044	0. 108	0. 225	3. 31E-08	Opc-G	TMEM107
PDLIM7. 6	2. 27E-12	-0. 26575	0. 128	0. 246	3. 39E-08	Opc-G	PDLIM7
ABCC3. 5	2. 28E-12	-0. 2575	0. 023	0. 104	3. 41E-08	Opc-G	ABCC3
RIN1. 6	2. 30E-12	-0. 12494	0. 012	0. 087	3. 44E-08	Opc-G	RIN1
SH3TC1. 9	2. 34E-12	-0. 33574	0. 012	0. 084	3. 49E-08	Opc-G	SH3TC1
MANBAL. 1C	2. 45E-12	0. 201224	0. 423	0. 329	3. 67E-08	Opc-G	MANBAL
SMAP2. 9	2. 46E-12	-0. 38355	0. 134	0. 243	3. 67E-08	Opc-G	SMAP2
PLEKHA4. 9	2. 47E-12	-0. 13844	0. 04	0. 132	3. 69E-08	Opc-G	PLEKHA4
HSBP1L1. 6	2. 53E-12	-0. 21979	0. 008	0. 078	3. 78E-08	Opc-G	HSBP1L1
ACSS3. 8	2. 57E-12	-0. 1122	0. 03	0. 117	3. 83E-08	Opc-G	ACSS3
NUDT16. 1C	2. 57E-12	-0. 29506	0. 111	0. 226	3. 84E-08	Opc-G	NUDT16
DACT3. 8	2. 57E-12	0. 181316	0. 142	0. 073	3. 85E-08	Opc-G	DACT3
HBB. 5	2. 58E-12	-0. 49476	0. 307	0. 405	3. 85E-08	Opc-G	HBB
CXCL2. 7	2. 61E-12	-0. 42673	0. 016	0. 091	3. 91E-08	Opc-G	CXCL2
IGF1. 8	2. 63E-12	-0. 31029	0. 001	0. 065	3. 93E-08	Opc-G	IGF1
TNPO3. 4	2. 64E-12	0. 252564	0. 221	0. 137	3. 94E-08	Opc-G	TNPO3
C14orf37.	2. 69E-12	0. 207582	0. 186	0. 107	4. 02E-08	Opc-G	C14orf37

SYS1. 3	2. 71E-12	-0. 27371	0. 127	0. 248	4. 05E-08	Opc-G	SYS1
PFKM. 6	2. 72E-12	0. 250403	0. 265	0. 178	4. 06E-08	Opc-G	PFKM
CEP68. 4	2. 73E-12	0. 214083	0. 234	0. 146	4. 08E-08	Opc-G	CEP68
TSPO. 9	2. 73E-12	-0. 34674	0. 515	0. 6	4. 09E-08	Opc-G	TSPO
IL16. 9	2. 86E-12	-0. 31491	0. 005	0. 073	4. 28E-08	Opc-G	IL16
CARD9. 10	2. 87E-12	-0. 25866	0. 005	0. 073	4. 28E-08	Opc-G	CARD9
SNAP25. 9	2. 89E-12	0. 20345	0. 231	0. 137	4. 32E-08	Opc-G	SNAP25
FLOT1. 9	2. 92E-12	-0. 28738	0. 389	0. 51	4. 36E-08	Opc-G	FLOT1
ZNF786. 7	2. 97E-12	0. 195955	0. 133	0. 067	4. 44E-08	Opc-G	ZNF786
OLA1. 5	2. 97E-12	0. 140107	0. 583	0. 482	4. 44E-08	Opc-G	OLA1
VPS37D. 8	2. 98E-12	0. 188614	0. 117	0. 056	4. 45E-08	Opc-G	VPS37D
PLXNB2. 6	3. 02E-12	-0. 23468	0. 063	0. 163	4. 51E-08	Opc-G	PLXNB2
COA3. 7	3. 09E-12	0. 13392	0. 575	0. 47	4. 62E-08	Opc-G	COA3
PTPN2. 8	3. 12E-12	-0. 36873	0. 143	0. 255	4. 66E-08	Opc-G	PTPN2
PXDN. 6	3. 20E-12	0. 263917	0. 168	0. 097	4. 79E-08	Opc-G	PXDN
SLAMF8. 1C	3. 26E-12	-0. 27697	0. 003	0. 067	4. 87E-08	Opc-G	SLAMF8
DCK. 7	3. 29E-12	-0. 31345	0. 154	0. 274	4. 92E-08	Opc-G	DCK
HNRNPD. 8	3. 30E-12	0. 191859	0. 508	0. 408	4. 94E-08	Opc-G	HNRNPD
ZNF212. 6	3. 30E-12	0. 183126	0. 128	0. 064	4. 94E-08	Opc-G	ZNF212
CD93. 10	3. 38E-12	-0. 29528	0. 007	0. 075	5. 05E-08	Opc-G	CD93
ZNF385D. 7	3. 43E-12	-0. 19507	0. 031	0. 116	5. 12E-08	Opc-G	ZNF385D
PHACTR2. 6	3. 44E-12	-0. 17448	0. 014	0. 087	5. 14E-08	Opc-G	PHACTR2
DNAJC7. 5	3. 50E-12	0. 153174	0. 552	0. 459	5. 23E-08	Opc-G	DNAJC7
NDUFB6. 4	3. 55E-12	0. 13334	0. 596	0. 49	5. 30E-08	Opc-G	NDUFB6
RP11-390F	3. 69E-12	-0. 18185	0. 045	0. 139	5. 52E-08	Opc-G	RP11-390P2. 4
ECSIT. 5	3. 93E-12	0. 266011	0. 348	0. 262	5. 88E-08	Opc-G	ECSIT
ORMDL2. 7	3. 93E-12	-0. 36384	0. 158	0. 28	5. 88E-08	Opc-G	ORMDL2
ZNF91. 7	3. 97E-12	0. 247449	0. 292	0. 204	5. 93E-08	Opc-G	ZNF91
USF1. 4	4. 08E-12	0. 215177	0. 111	0. 052	6. 10E-08	Opc-G	USF1
HSD3B7. 6	4. 17E-12	-0. 24174	0. 01	0. 08	6. 23E-08	Opc-G	HSD3B7
GPX4. 5	4. 18E-12	-0. 23254	0. 854	0. 841	6. 25E-08	Opc-G	GPX4
GDI2. 9	4. 20E-12	-0. 34244	0. 372	0. 496	6. 28E-08	Opc-G	GDI2
GK. 9	4. 41E-12	-0. 33088	0. 053	0. 144	6. 59E-08	Opc-G	GK
ACADVL. 5	4. 49E-12	-0. 26509	0. 322	0. 459	6. 72E-08	Opc-G	ACADVL
UNC5B. 9	4. 56E-12	-0. 2728	0. 015	0. 088	6. 81E-08	Opc-G	UNC5B
EXOC4. 5	4. 64E-12	0. 215919	0. 246	0. 158	6. 93E-08	Opc-G	EXOC4
EXOSC4. 3	4. 75E-12	0. 275693	0. 329	0. 246	7. 10E-08	Opc-G	EXOSC4
CDKN2AIP. 4	4. 80E-12	0. 20314	0. 23	0. 142	7. 18E-08	Opc-G	CDKN2AIP
GALM. 9	4. 82E-12	-0. 28081	0. 042	0. 13	7. 21E-08	Opc-G	GALM
EFNB1. 6	4. 92E-12	0. 205246	0. 165	0. 091	7. 35E-08	Opc-G	EFNB1
CLEC4E. 8	4. 93E-12	-0. 34846	0	0. 062	7. 37E-08	Opc-G	CLEC4E
ITGA5. 6	4. 97E-12	-0. 24739	0. 015	0. 088	7. 42E-08	Opc-G	ITGA5
BRI3BP. 5	4. 97E-12	-0. 18194	0. 033	0. 118	7. 42E-08	Opc-G	BRI3BP
SEC11A. 9	5. 00E-12	-0. 34568	0. 495	0. 597	7. 47E-08	Opc-G	SEC11A
NR1H2. 8	5. 04E-12	-0. 29198	0. 18	0. 312	7. 53E-08	Opc-G	NR1H2
UTRN. 6	5. 28E-12	-0. 20292	0. 031	0. 115	7. 89E-08	Opc-G	UTRN
GAPT. 10	5. 33E-12	-0. 28635	0. 001	0. 064	7. 96E-08	Opc-G	GAPT
GLRX5. 7	5. 44E-12	0. 259359	0. 378	0. 291	8. 13E-08	Opc-G	GLRX5
TPRKB. 6	5. 47E-12	0. 163507	0. 454	0. 357	8. 18E-08	Opc-G	TPRKB
NQO1. 6	5. 67E-12	-0. 17338	0. 03	0. 114	8. 47E-08	Opc-G	NQO1
KRBOX4. 5	5. 94E-12	0. 208331	0. 189	0. 11	8. 87E-08	Opc-G	KRBOX4

NAT16.1	5.95E-12	0.135368	0.06	0.021	8.89E-08	Opc-G	NAT16
EIF5.4	6.32E-12	0.108503	0.758	0.643	9.45E-08	Opc-G	EIF5
CYB5R1.4	6.33E-12	-0.30474	0.143	0.266	9.46E-08	Opc-G	CYB5R1
MBD4.7	6.35E-12	-0.29163	0.149	0.271	9.48E-08	Opc-G	MBD4
GRIK4	6.37E-12	0.103744	0.06	0.021	9.52E-08	Opc-G	GRIK4
PHB.7	6.37E-12	0.106994	0.682	0.546	9.52E-08	Opc-G	PHB
MAN1C1.2	6.38E-12	-0.18184	0.015	0.088	9.53E-08	Opc-G	MAN1C1
KLF2.6	6.43E-12	-0.40944	0.051	0.137	9.60E-08	Opc-G	KLF2
FUCA2.10	6.45E-12	-0.27872	0.134	0.25	9.64E-08	Opc-G	FUCA2
TBCC.9	6.56E-12	0.223972	0.311	0.215	9.81E-08	Opc-G	TBCC
EMP1.6	6.56E-12	-0.23733	0.078	0.185	9.81E-08	Opc-G	EMP1
ANAPC13.7	6.68E-12	0.183519	0.449	0.347	9.99E-08	Opc-G	ANAPC13
STK17B.8	6.86E-12	-0.4024	0.052	0.138	1.02E-07	Opc-G	STK17B
GSG1L.7	6.88E-12	0.290139	0.113	0.055	1.03E-07	Opc-G	GSG1L
PTPN1.8	6.88E-12	-0.23502	0.12	0.239	1.03E-07	Opc-G	PTPN1
CD47.5	6.99E-12	-0.28966	0.258	0.392	1.04E-07	Opc-G	CD47
PSME2.8	7.06E-12	-0.28853	0.433	0.565	1.05E-07	Opc-G	PSME2
PPARD.9	7.22E-12	-0.24171	0.031	0.113	1.08E-07	Opc-G	PPARD
EAPP.7	7.27E-12	0.151635	0.445	0.348	1.09E-07	Opc-G	EAPP
RASGRP3.8	7.30E-12	-0.32454	0.007	0.073	1.09E-07	Opc-G	RASGRP3
ZNF277.3	7.35E-12	0.165111	0.261	0.166	1.10E-07	Opc-G	ZNF277
APOBEC3C.7	7.36E-12	-0.28938	0.045	0.134	1.10E-07	Opc-G	APOBEC3C
LRCH3.7	7.50E-12	0.232774	0.212	0.133	1.12E-07	Opc-G	LRCH3
TOMM22.6	7.55E-12	0.122484	0.561	0.463	1.13E-07	Opc-G	TOMM22
SPATS2.8	7.73E-12	0.249843	0.342	0.253	1.15E-07	Opc-G	SPATS2
LIFR-AS1.7	7.78E-12	0.19125	0.075	0.03	1.16E-07	Opc-G	LIFR-AS1
CCT5.7	8.19E-12	0.123471	0.583	0.475	1.22E-07	Opc-G	CCT5
ATF3.9	8.38E-12	-0.35454	0.195	0.309	1.25E-07	Opc-G	ATF3
CACNA2D1.8	8.55E-12	0.120829	0.072	0.028	1.28E-07	Opc-G	CACNA2D1
HMGB2.9	8.58E-12	-0.41598	0.413	0.5	1.28E-07	Opc-G	HMGB2
ZNF511.7	8.75E-12	-0.21056	0.093	0.202	1.31E-07	Opc-G	ZNF511
RUVBL1.7	8.79E-12	0.247029	0.347	0.261	1.31E-07	Opc-G	RUVBL1
DCAF6.6	8.92E-12	-0.23541	0.072	0.172	1.33E-07	Opc-G	DCAF6
NUP35.4	8.95E-12	0.185049	0.184	0.107	1.34E-07	Opc-G	NUP35
IRF5.10	9.11E-12	-0.2634	0.001	0.063	1.36E-07	Opc-G	IRF5
EFNA1.7	9.12E-12	0.164734	0.206	0.123	1.36E-07	Opc-G	EFNA1
P4HA2.5	9.32E-12	-0.17783	0.014	0.085	1.39E-07	Opc-G	P4HA2
CDK5.7	9.69E-12	0.266209	0.32	0.232	1.45E-07	Opc-G	CDK5
LPIN1.6	1.01E-11	0.214435	0.214	0.132	1.51E-07	Opc-G	LPIN1
CCL20.9	1.04E-11	-0.32444	0.003	0.065	1.56E-07	Opc-G	CCL20
SFMBT2.8	1.05E-11	-0.31396	0.012	0.082	1.57E-07	Opc-G	SFMBT2
GGA2.10	1.06E-11	-0.27794	0.055	0.145	1.58E-07	Opc-G	GGA2
PYCR1.6	1.09E-11	0.280998	0.26	0.179	1.62E-07	Opc-G	PYCR1
VSTM2A.8	1.14E-11	0.285281	0.179	0.1	1.70E-07	Opc-G	VSTM2A
MMP19.6	1.14E-11	-0.26419	0.001	0.062	1.71E-07	Opc-G	MMP19
SLC39A14.1	1.16E-11	-0.227	0.023	0.1	1.73E-07	Opc-G	SLC39A14
CHST10.7	1.25E-11	0.238102	0.212	0.134	1.87E-07	Opc-G	CHST10
ZP3.3	1.26E-11	0.180613	0.131	0.067	1.88E-07	Opc-G	ZP3
DYNC1H1.8	1.26E-11	0.213472	0.419	0.332	1.89E-07	Opc-G	DYNC1H1
SPCS3.8	1.31E-11	-0.3247	0.208	0.333	1.96E-07	Opc-G	SPCS3
ARVCF.7	1.33E-11	0.181284	0.108	0.052	1.98E-07	Opc-G	ARVCF

ABL2.9	1.37E-11	-0.39414	0.165	0.275	2.05E-07	Opc-G	ABL2
YAF2.7	1.37E-11	0.173624	0.439	0.34	2.05E-07	Opc-G	YAF2
KMT2A.9	1.38E-11	0.248626	0.318	0.23	2.06E-07	Opc-G	KMT2A
FKBP3.5	1.47E-11	0.115608	0.571	0.471	2.20E-07	Opc-G	FKBP3
ETFDH.5	1.48E-11	0.224311	0.195	0.117	2.20E-07	Opc-G	ETFDH
ACSF2.6	1.48E-11	-0.18069	0.005	0.069	2.21E-07	Opc-G	ACSF2
PLEC.8	1.49E-11	-0.24443	0.089	0.193	2.22E-07	Opc-G	PLEC
VPS29.6	1.49E-11	-0.32594	0.436	0.561	2.23E-07	Opc-G	VPS29
TMEM145.7	1.51E-11	0.21594	0.128	0.065	2.26E-07	Opc-G	TMEM145
MARS.4	1.58E-11	0.203521	0.288	0.2	2.36E-07	Opc-G	MARS
CACNG7.6	1.58E-11	0.23658	0.145	0.08	2.36E-07	Opc-G	CACNG7
MYO1E.2	1.61E-11	-0.16832	0.007	0.071	2.40E-07	Opc-G	MYO1E
VCAM1.8	1.61E-11	-0.30896	0.01	0.076	2.40E-07	Opc-G	VCAM1
OXR1.8	1.62E-11	0.235747	0.333	0.246	2.42E-07	Opc-G	OXR1
SIGLEC8.7	1.64E-11	-0.34133	0.014	0.082	2.45E-07	Opc-G	SIGLEC8
ZC3H12A.8	1.64E-11	-0.27866	0.012	0.08	2.45E-07	Opc-G	ZC3H12A
ANKRD22.9	1.67E-11	-0.29234	0.005	0.069	2.50E-07	Opc-G	ANKRD22
HHEX.10	1.68E-11	-0.27155	0.001	0.061	2.50E-07	Opc-G	HHEX
C19orf24.1	1.68E-11	-0.256	0.245	0.373	2.51E-07	Opc-G	C19orf24
ARHGEF7.8	1.68E-11	0.21088	0.24	0.152	2.52E-07	Opc-G	ARHGEF7
S100A16.9	1.71E-11	-0.34413	0.187	0.315	2.56E-07	Opc-G	S100A16
TMEM70.7	1.75E-11	-0.32891	0.273	0.403	2.61E-07	Opc-G	TMEM70
RDX.9	1.82E-11	0.151395	0.609	0.482	2.71E-07	Opc-G	RDX
CAT.8	1.82E-11	-0.37187	0.191	0.312	2.71E-07	Opc-G	CAT
MXRA7.7	1.82E-11	-0.20542	0.074	0.173	2.72E-07	Opc-G	MXRA7
TRABD.10	1.82E-11	-0.29237	0.152	0.266	2.72E-07	Opc-G	TRABD
MPHOSPH10	1.92E-11	0.233923	0.321	0.232	2.88E-07	Opc-G	MPHOSPH10
PROS1.2	2.01E-11	-0.18914	0.022	0.097	3.00E-07	Opc-G	PROS1
SPTBN1.8	2.05E-11	0.207935	0.361	0.269	3.06E-07	Opc-G	SPTBN1
FAM96A.8	2.13E-11	-0.33006	0.238	0.364	3.18E-07	Opc-G	FAM96A
HNRNPU.5	2.14E-11	0.135888	0.615	0.524	3.20E-07	Opc-G	HNRNPU
SESTD1.7	2.27E-11	0.235695	0.238	0.154	3.39E-07	Opc-G	SESTD1
LEPROTL1	2.27E-11	0.139292	0.475	0.382	3.40E-07	Opc-G	LEPROTL1
SNHG9.6	2.29E-11	0.189467	0.389	0.299	3.42E-07	Opc-G	SNHG9
SLC1A3.9	2.47E-11	-0.32136	0.372	0.484	3.70E-07	Opc-G	SLC1A3
CLEC4A.1C	2.49E-11	-0.27995	0.004	0.065	3.72E-07	Opc-G	CLEC4A
CNIH3.7	2.51E-11	-0.15937	0.074	0.175	3.75E-07	Opc-G	CNIH3
CSTF2T.3	2.54E-11	0.187373	0.193	0.116	3.80E-07	Opc-G	CSTF2T
RELT.9	2.55E-11	-0.21704	0.018	0.089	3.81E-07	Opc-G	RELT
MIR155HG	2.55E-11	-0.18791	0.001	0.06	3.82E-07	Opc-G	MIR155HG
SHISA4.8	2.55E-11	0.286329	0.322	0.241	3.82E-07	Opc-G	SHISA4
GREB1.1	2.64E-11	0.130851	0.061	0.022	3.94E-07	Opc-G	GREB1
ABCF2.7	2.66E-11	0.23489	0.295	0.21	3.98E-07	Opc-G	ABCF2
ADAM15.5	2.72E-11	-0.19646	0.038	0.121	4.07E-07	Opc-G	ADAM15
FES.10	2.74E-11	-0.28076	0.015	0.084	4.10E-07	Opc-G	FES
DCAF13.7	2.74E-11	0.220839	0.398	0.312	4.10E-07	Opc-G	DCAF13
MTMR9.7	2.75E-11	0.237439	0.27	0.184	4.11E-07	Opc-G	MTMR9
NRROS.7	2.78E-11	-0.29951	0.008	0.072	4.15E-07	Opc-G	NRROS
ATP6VOB.7	2.78E-11	-0.25969	0.762	0.8	4.16E-07	Opc-G	ATP6VOB
ACO68535	2.79E-11	0.142116	0.057	0.02	4.17E-07	Opc-G	ACO68535.2
FPR3.10	2.84E-11	-0.23726	0.001	0.06	4.24E-07	Opc-G	FPR3

GAS1. 10	2. 87E-11	0. 291804	0. 217	0. 139	4. 29E-07	Opc-G	GAS1
HVCN1. 9	2. 97E-11	-0. 27029	0. 026	0. 101	4. 43E-07	Opc-G	HVCN1
GOPC. 8	2. 98E-11	0. 242548	0. 339	0. 252	4. 45E-07	Opc-G	GOPC
TACC2. 6	3. 00E-11	0. 218186	0. 109	0. 054	4. 49E-07	Opc-G	TACC2
ELK3. 6	3. 01E-11	-0. 20701	0. 02	0. 093	4. 50E-07	Opc-G	ELK3
EIF4EBP1. 3	3. 05E-11	0. 144153	0. 526	0. 42	4. 56E-07	Opc-G	EIF4EBP1
GLB1. 7	3. 12E-11	-0. 30466	0. 139	0. 252	4. 67E-07	Opc-G	GLB1
TMOD3. 7	3. 16E-11	-0. 19395	0. 057	0. 15	4. 72E-07	Opc-G	TMOD3
ANP32E. 8	3. 20E-11	-0. 21863	0. 153	0. 275	4. 79E-07	Opc-G	ANP32E
TFEC. 10	3. 21E-11	-0. 24956	0. 001	0. 06	4. 80E-07	Opc-G	TFEC
HOPX. 9	3. 26E-11	-0. 31668	0. 172	0. 29	4. 87E-07	Opc-G	HOPX
HRH1. 9	3. 29E-11	-0. 17023	0. 025	0. 101	4. 91E-07	Opc-G	HRH1
EHBPI1L. 9	3. 33E-11	-0. 18235	0. 01	0. 075	4. 97E-07	Opc-G	EHBPI1L
RAPGEF1. 7	3. 34E-11	-0. 28779	0. 041	0. 122	4. 99E-07	Opc-G	RAPGEF1
MIR22HG. 8	3. 39E-11	-0. 27084	0. 037	0. 118	5. 06E-07	Opc-G	MIR22HG
CXCL3. 7	3. 48E-11	-0. 40935	0. 011	0. 076	5. 20E-07	Opc-G	CXCL3
NFKB2. 9	3. 49E-11	-0. 21012	0. 004	0. 065	5. 21E-07	Opc-G	NFKB2
ABCA1. 5	3. 56E-11	-0. 26555	0. 135	0. 246	5. 32E-07	Opc-G	ABCA1
EIF2AK1. 7	3. 63E-11	0. 223569	0. 407	0. 327	5. 42E-07	Opc-G	EIF2AK1
CAPRN1. 7	3. 69E-11	0. 235045	0. 395	0. 315	5. 52E-07	Opc-G	CAPRN1
TXN2. 4	3. 70E-11	0. 173261	0. 516	0. 428	5. 53E-07	Opc-G	TXN2
THBS1. 8	3. 74E-11	-0. 38345	0. 016	0. 085	5. 59E-07	Opc-G	THBS1
ING5. 4	3. 81E-11	0. 234166	0. 184	0. 112	5. 70E-07	Opc-G	ING5
RBMS1. 7	3. 94E-11	-0. 26875	0. 143	0. 257	5. 89E-07	Opc-G	RBMS1
RND1. 6	3. 96E-11	0. 168794	0. 122	0. 06	5. 91E-07	Opc-G	RND1
TMEM37. 6	3. 99E-11	-0. 28258	0. 005	0. 067	5. 97E-07	Opc-G	TMEM37
IFI27. 5	4. 01E-11	-0. 39659	0. 038	0. 118	5. 99E-07	Opc-G	IFI27
ZNF74. 5	4. 05E-11	0. 171459	0. 111	0. 054	6. 05E-07	Opc-G	ZNF74
PIK3R3. 8	4. 06E-11	0. 162419	0. 206	0. 127	6. 06E-07	Opc-G	PIK3R3
GSTM3. 7	4. 09E-11	0. 201111	0. 354	0. 263	6. 11E-07	Opc-G	GSTM3
KPNB1. 8	4. 25E-11	0. 162602	0. 526	0. 442	6. 36E-07	Opc-G	KPNB1
DHX57. 5	4. 28E-11	0. 202371	0. 16	0. 091	6. 39E-07	Opc-G	DHX57
GBP1. 6	4. 41E-11	-0. 29045	0. 066	0. 159	6. 59E-07	Opc-G	GBP1
HNRNPH3. 9	4. 52E-11	0. 146523	0. 534	0. 439	6. 76E-07	Opc-G	HNRNPH3
METRNL. 9	4. 52E-11	-0. 26337	0. 018	0. 087	6. 76E-07	Opc-G	METRNL
DCP1A. 5	4. 55E-11	0. 228277	0. 309	0. 221	6. 80E-07	Opc-G	DCP1A
RALBP1. 4	4. 57E-11	-0. 24622	0. 183	0. 311	6. 83E-07	Opc-G	RALBP1
SLC40A1. 8	4. 59E-11	-0. 26128	0. 056	0. 144	6. 86E-07	Opc-G	SLC40A1
DLX6. 10	4. 60E-11	0. 107362	0. 113	0. 053	6. 87E-07	Opc-G	DLX6
TBC1D22A. 4	4. 66E-11	-0. 25028	0. 045	0. 128	6. 96E-07	Opc-G	TBC1D22A
MAGEF1. 9	4. 67E-11	0. 221727	0. 445	0. 358	6. 97E-07	Opc-G	MAGEF1
RBM48. 4	4. 70E-11	0. 18655	0. 154	0. 086	7. 02E-07	Opc-G	RBM48
ELMOD1. 7	4. 74E-11	-0. 11268	0. 016	0. 086	7. 08E-07	Opc-G	ELMOD1
FN1. 8	4. 74E-11	-0. 38661	0. 071	0. 16	7. 08E-07	Opc-G	FN1
MYBPHL	4. 76E-11	0. 110159	0. 034	0. 009	7. 11E-07	Opc-G	MYBPHL
TROVE2. 8	4. 82E-11	0. 139601	0. 526	0. 427	7. 20E-07	Opc-G	TROVE2
RBM6. 5	4. 85E-11	0. 187557	0. 402	0. 307	7. 25E-07	Opc-G	RBM6
PCK2. 8	4. 88E-11	-0. 21276	0. 01	0. 073	7. 29E-07	Opc-G	PCK2
LYRM5. 7	5. 01E-11	0. 204417	0. 417	0. 336	7. 49E-07	Opc-G	LYRM5
WDR1. 7	5. 05E-11	-0. 29237	0. 295	0. 423	7. 55E-07	Opc-G	WDR1
FAM171B. 8	5. 06E-11	0. 223862	0. 179	0. 106	7. 56E-07	Opc-G	FAM171B





TACC3. 6	8. 60E-11	-0. 22431	0. 015	0. 081	1. 29E-06	Opc-G	TACC3
DNAJC1. 5	8. 62E-11	-0. 18059	0. 089	0. 191	1. 29E-06	Opc-G	DNAJC1
OSMR. 8	8. 64E-11	-0. 12185	0. 019	0. 089	1. 29E-06	Opc-G	OSMR
COQ2. 9	8. 78E-11	-0. 24306	0. 089	0. 186	1. 31E-06	Opc-G	COQ2
GSE1. 9	8. 79E-11	0. 1989	0. 156	0. 087	1. 31E-06	Opc-G	GSE1
RDH10. 9	8. 92E-11	-0. 20134	0. 02	0. 09	1. 33E-06	Opc-G	RDH10
GARS. 8	8. 94E-11	0. 205019	0. 38	0. 287	1. 34E-06	Opc-G	GARS
ZNF493. 7	9. 01E-11	0. 232993	0. 231	0. 153	1. 35E-06	Opc-G	ZNF493
PHF21B. 1	9. 10E-11	0. 159918	0. 068	0. 027	1. 36E-06	Opc-G	PHF21B
FNBP1. 6	9. 10E-11	-0. 2774	0. 156	0. 27	1. 36E-06	Opc-G	FNBP1
FAM198B. 7	9. 12E-11	-0. 25287	0. 005	0. 064	1. 36E-06	Opc-G	FAM198B
UBE2C. 10	9. 13E-11	-0. 37169	0. 042	0. 121	1. 36E-06	Opc-G	UBE2C
PRPSAP2. 6	9. 16E-11	0. 221437	0. 347	0. 261	1. 37E-06	Opc-G	PRPSAP2
SRGAP3. 7	9. 19E-11	0. 173226	0. 224	0. 14	1. 37E-06	Opc-G	SRGAP3
HPS3. 6	9. 68E-11	-0. 22227	0. 06	0. 148	1. 45E-06	Opc-G	HPS3
MYO1G. 10	9. 69E-11	-0. 23848	0. 005	0. 064	1. 45E-06	Opc-G	MYO1G
TLR1. 10	9. 74E-11	-0. 26968	0. 01	0. 072	1. 46E-06	Opc-G	TLR1
FGD2. 9	9. 81E-11	-0. 30083	0. 005	0. 064	1. 47E-06	Opc-G	FGD2
DUSP10. 2	9. 85E-11	0. 220374	0. 26	0. 174	1. 47E-06	Opc-G	DUSP10
ZC2HC1A. 9	9. 85E-11	0. 206708	0. 298	0. 205	1. 47E-06	Opc-G	ZC2HC1A
SDF2L1. 6	9. 86E-11	-0. 29823	0. 249	0. 367	1. 47E-06	Opc-G	SDF2L1
DUSP22. 9	1. 01E-10	-0. 27051	0. 038	0. 116	1. 50E-06	Opc-G	DUSP22
CCDC88B. 4	1. 01E-10	-0. 24344	0. 018	0. 086	1. 50E-06	Opc-G	CCDC88B
CASP7. 3	1. 01E-10	-0. 16581	0. 02	0. 091	1. 51E-06	Opc-G	CASP7
NBL1. 8	1. 02E-10	-0. 26187	0. 089	0. 184	1. 53E-06	Opc-G	NBL1
UBXN4. 6	1. 03E-10	0. 119811	0. 646	0. 538	1. 54E-06	Opc-G	UBXN4
CCNY. 6	1. 05E-10	-0. 19663	0. 036	0. 114	1. 56E-06	Opc-G	CCNY
PFN1. 9	1. 05E-10	-0. 13991	0. 87	0. 805	1. 57E-06	Opc-G	PFN1
LILRB2. 1C	1. 06E-10	-0. 2553	0. 001	0. 057	1. 58E-06	Opc-G	LILRB2
KLF4. 10	1. 06E-10	-0. 3965	0. 12	0. 212	1. 59E-06	Opc-G	KLF4
ADA. 5	1. 08E-10	-0. 15797	0. 025	0. 097	1. 61E-06	Opc-G	ADA
SNAP23. 9	1. 09E-10	-0. 297	0. 141	0. 251	1. 62E-06	Opc-G	SNAP23
LNP1. 2	1. 12E-10	0. 114373	0. 07	0. 028	1. 68E-06	Opc-G	LNP1
NTHL1. 4	1. 16E-10	0. 289276	0. 258	0. 183	1. 74E-06	Opc-G	NTHL1
CFI. 6	1. 18E-10	-0. 1947	0. 005	0. 064	1. 76E-06	Opc-G	CFI
TEN1. 5	1. 18E-10	-0. 16964	0. 085	0. 184	1. 77E-06	Opc-G	TEN1
STK4. 7	1. 19E-10	-0. 31343	0. 178	0. 294	1. 78E-06	Opc-G	STK4
ERP44. 8	1. 20E-10	-0. 30569	0. 28	0. 403	1. 80E-06	Opc-G	ERP44
RND2. 7	1. 21E-10	0. 258542	0. 235	0. 158	1. 80E-06	Opc-G	RND2
REEP3. 5	1. 22E-10	-0. 22823	0. 138	0. 252	1. 82E-06	Opc-G	REEP3
CCPG1. 4	1. 22E-10	-0. 2281	0. 113	0. 219	1. 82E-06	Opc-G	CCPG1
GNG11. 4	1. 23E-10	0. 126198	0. 081	0. 034	1. 84E-06	Opc-G	GNG11
PDIA5. 4	1. 24E-10	-0. 17348	0. 011	0. 074	1. 86E-06	Opc-G	PDIA5
PRKRA. 5	1. 24E-10	0. 169701	0. 444	0. 355	1. 86E-06	Opc-G	PRKRA
DOK2. 9	1. 25E-10	-0. 25853	0. 003	0. 059	1. 87E-06	Opc-G	DOK2
FKBP15. 9	1. 29E-10	-0. 23502	0. 057	0. 143	1. 93E-06	Opc-G	FKBP15
MFSD12. 7	1. 31E-10	-0. 2115	0. 096	0. 198	1. 96E-06	Opc-G	MFSD12
LRWD1. 6	1. 32E-10	0. 229329	0. 242	0. 165	1. 98E-06	Opc-G	LRWD1
HES1. 7	1. 33E-10	-0. 28595	0. 102	0. 203	1. 99E-06	Opc-G	HES1
ERBB3. 8	1. 39E-10	0. 109151	0. 082	0. 035	2. 07E-06	Opc-G	ERBB3
OAS1. 7	1. 40E-10	-0. 32648	0. 053	0. 138	2. 09E-06	Opc-G	OAS1



TRPV2.10	2.45E-10	-0.23533	0.005	0.062	3.66E-06	Opc-G	TRPV2
MTMR11.5	2.49E-10	-0.15685	0.012	0.075	3.72E-06	Opc-G	MTMR11
NMI.9	2.49E-10	-0.29245	0.093	0.188	3.72E-06	Opc-G	NMI
ZMIZ2.7	2.52E-10	0.197212	0.163	0.095	3.77E-06	Opc-G	ZMIZ2
TMEM156.8	2.56E-10	-0.27896	0.004	0.059	3.82E-06	Opc-G	TMEM156
MYH10.8	2.65E-10	0.233562	0.225	0.148	3.96E-06	Opc-G	MYH10
VKORC1.5	2.66E-10	-0.29826	0.37	0.504	3.98E-06	Opc-G	VKORC1
VCL.4	2.69E-10	-0.14363	0.03	0.104	4.02E-06	Opc-G	VCL
VPS25.5	2.70E-10	0.159875	0.41	0.324	4.04E-06	Opc-G	VPS25
CHD6.9	2.72E-10	0.258695	0.317	0.24	4.06E-06	Opc-G	CHD6
CHD4.6	2.73E-10	0.207568	0.399	0.317	4.08E-06	Opc-G	CHD4
FAIM.5	2.74E-10	0.215559	0.216	0.142	4.09E-06	Opc-G	FAIM
PPP2R2A.6	2.74E-10	0.169738	0.38	0.295	4.10E-06	Opc-G	PPP2R2A
ZNF793.6	2.75E-10	0.201055	0.175	0.106	4.11E-06	Opc-G	ZNF793
RBM28.6	2.76E-10	0.215367	0.235	0.158	4.13E-06	Opc-G	RBM28
TMEM178B.2	2.77E-10	0.179273	0.107	0.053	4.14E-06	Opc-G	TMEM178B
UBASH3B.6	2.79E-10	-0.15242	0.015	0.079	4.17E-06	Opc-G	UBASH3B
SCRT1.1	2.80E-10	0.10973	0.053	0.019	4.19E-06	Opc-G	SCRT1
CREB1.6	2.82E-10	0.206519	0.318	0.236	4.21E-06	Opc-G	CREB1
SLC9A3R1.2	2.82E-10	0.303638	0.217	0.146	4.21E-06	Opc-G	SLC9A3R1
RP6-91H8.2	2.84E-10	-0.29564	0.004	0.059	4.25E-06	Opc-G	RP6-91H8.3
TPI1.6	2.90E-10	-0.21062	0.884	0.865	4.33E-06	Opc-G	TPI1
EI24.7	2.91E-10	0.169833	0.514	0.428	4.36E-06	Opc-G	EI24
NEDD9.7	2.92E-10	-0.27051	0.123	0.227	4.36E-06	Opc-G	NEDD9
TRMT5.2	2.93E-10	0.158573	0.123	0.065	4.38E-06	Opc-G	TRMT5
HPSE.9	3.01E-10	-0.25493	0.005	0.062	4.49E-06	Opc-G	HPSE
ZNF131.8	3.03E-10	0.219653	0.31	0.227	4.53E-06	Opc-G	ZNF131
VEZF1.9	3.05E-10	0.206873	0.316	0.233	4.55E-06	Opc-G	VEZF1
CYB5A.6	3.05E-10	-0.2827	0.221	0.349	4.56E-06	Opc-G	CYB5A
GHITM.8	3.08E-10	-0.32497	0.407	0.531	4.61E-06	Opc-G	GHITM
METTL2B.4	3.19E-10	0.205969	0.273	0.193	4.76E-06	Opc-G	METTL2B
EVA1B.5	3.20E-10	-0.13254	0.046	0.128	4.79E-06	Opc-G	EVA1B
ZNF207.2	3.24E-10	0.112915	0.54	0.45	4.84E-06	Opc-G	ZNF207
ITGA7.8	3.25E-10	-0.10498	0.055	0.142	4.86E-06	Opc-G	ITGA7
EPHX1.5	3.37E-10	-0.2682	0.128	0.239	5.03E-06	Opc-G	EPHX1
RTN4RL2.3	3.40E-10	0.101021	0.052	0.018	5.08E-06	Opc-G	RTN4RL2
IRF2BPL.7	3.43E-10	0.218888	0.317	0.236	5.13E-06	Opc-G	IRF2BPL
TRAF3IP2-AS1.3	3.50E-10	0.207979	0.137	0.076	5.24E-06	Opc-G	TRAF3IP2-AS1
EEPD1.7	3.54E-10	-0.2009	0.014	0.075	5.29E-06	Opc-G	EEPD1
UBXN2A.6	3.58E-10	0.239575	0.257	0.183	5.35E-06	Opc-G	UBXN2A
SLC50A1.8	3.63E-10	-0.2801	0.081	0.173	5.43E-06	Opc-G	SLC50A1
PTEN.9	3.68E-10	-0.22337	0.053	0.134	5.50E-06	Opc-G	PTEN
PTPN4.8	3.85E-10	0.17067	0.167	0.098	5.75E-06	Opc-G	PTPN4
OBFC1.4	4.01E-10	-0.21626	0.023	0.091	5.99E-06	Opc-G	OBFC1
SIPA1L1.3	4.34E-10	-0.16979	0.077	0.17	6.48E-06	Opc-G	SIPA1L1
HMGN1.6	4.37E-10	0.100878	0.777	0.657	6.54E-06	Opc-G	HMGN1
BIRC3.6	4.46E-10	-0.30691	0.01	0.068	6.66E-06	Opc-G	BIRC3
PHAX.6	4.52E-10	0.183142	0.38	0.3	6.76E-06	Opc-G	PHAX
SYP.9	4.52E-10	0.209806	0.206	0.129	6.76E-06	Opc-G	SYP
NFE2L3.2	4.59E-10	0.109427	0.07	0.028	6.86E-06	Opc-G	NFE2L3
NUDCD3.6	4.61E-10	0.227576	0.273	0.193	6.88E-06	Opc-G	NUDCD3

MBNL1.9	4.62E-10	-0.2545	0.127	0.23	6.90E-06	Opc-G	MBNL1
FAM20A.9	4.62E-10	-0.22663	0.007	0.063	6.91E-06	Opc-G	FAM20A
GPX8.9	4.64E-10	-0.11083	0.008	0.066	6.93E-06	Opc-G	GPX8
EPOR.6	4.68E-10	-0.17286	0.012	0.073	6.99E-06	Opc-G	EPOR
ARHGAP26.4	4.72E-10	-0.25375	0.027	0.096	7.05E-06	Opc-G	ARHGAP26
CLECL1.9	4.75E-10	-0.20435	0	0.051	7.10E-06	Opc-G	CLECL1
NOP58.7	4.76E-10	0.169975	0.377	0.286	7.11E-06	Opc-G	NOP58
GNGT2.10	4.76E-10	-0.23714	0.003	0.056	7.11E-06	Opc-G	GNGT2
WDR12.5	4.80E-10	0.256949	0.209	0.138	7.18E-06	Opc-G	WDR12
APOL4.6	4.81E-10	0.148659	0.087	0.04	7.19E-06	Opc-G	APOL4
HADHA.6	4.82E-10	0.128353	0.526	0.436	7.21E-06	Opc-G	HADHA
BCL7B.6	5.04E-10	0.185228	0.406	0.316	7.53E-06	Opc-G	BCL7B
TM7SF2.8	5.04E-10	0.258457	0.303	0.226	7.54E-06	Opc-G	TM7SF2
ZNF43.8	5.22E-10	0.232134	0.204	0.133	7.79E-06	Opc-G	ZNF43
RIPK2.8	5.24E-10	-0.27113	0.083	0.174	7.83E-06	Opc-G	RIPK2
HTRA2.5	5.25E-10	0.246485	0.298	0.219	7.85E-06	Opc-G	HTRA2
ZNF439.9	5.45E-10	0.244185	0.216	0.143	8.14E-06	Opc-G	ZNF439
CFL2.8	5.45E-10	0.148007	0.411	0.322	8.14E-06	Opc-G	CFL2
POMC.9	5.52E-10	-0.22376	0	0.05	8.25E-06	Opc-G	POMC
POU3F2.8	5.55E-10	0.206693	0.299	0.21	8.30E-06	Opc-G	POU3F2
MAPK8IP1.5	5.78E-10	0.234107	0.265	0.186	8.64E-06	Opc-G	MAPK8IP1
FBXL3.6	5.87E-10	0.222117	0.249	0.171	8.77E-06	Opc-G	FBXL3
TAP1.5	5.91E-10	-0.21667	0.146	0.261	8.84E-06	Opc-G	TAP1
SLC27A1.5	5.94E-10	-0.18398	0.075	0.166	8.87E-06	Opc-G	SLC27A1
MIR181A1HG.5	5.95E-10	0.135659	0.183	0.108	8.90E-06	Opc-G	MIR181A1HG
ZNF649.7	6.00E-10	0.207402	0.148	0.086	8.97E-06	Opc-G	ZNF649
TMEM63A.5	6.38E-10	-0.21007	0.014	0.074	9.54E-06	Opc-G	TMEM63A
PRPS2.5	6.47E-10	-0.20717	0.051	0.13	9.67E-06	Opc-G	PRPS2
MAN1B1.3	6.47E-10	-0.18992	0.122	0.228	9.67E-06	Opc-G	MAN1B1
HAPLN1.1	6.49E-10	0.107233	0.03	0.008	9.70E-06	Opc-G	HAPLN1
CLHC1.5	6.49E-10	0.21548	0.12	0.064	9.70E-06	Opc-G	CLHC1
CCL3L3.7	6.54E-10	-0.64948	0.004	0.057	9.78E-06	Opc-G	CCL3L3
GOLIM4.6	6.67E-10	0.213346	0.4	0.322	9.97E-06	Opc-G	GOLIM4
ITGB5.7	6.76E-10	-0.21697	0.005	0.06	1.01E-05	Opc-G	ITGB5
NUP214.9	6.80E-10	-0.37039	0.109	0.201	1.02E-05	Opc-G	NUP214
CDC42EP4.4	6.83E-10	0.212141	0.277	0.196	1.02E-05	Opc-G	CDC42EP4
MAP2K1.9	6.88E-10	-0.26545	0.168	0.275	1.03E-05	Opc-G	MAP2K1
RCAN3.4	6.88E-10	-0.15377	0.007	0.062	1.03E-05	Opc-G	RCAN3
SPATA13.6	6.89E-10	-0.24154	0.081	0.17	1.03E-05	Opc-G	SPATA13
CAND2.6	6.90E-10	0.119398	0.061	0.024	1.03E-05	Opc-G	CAND2
GIGYF1.3	6.92E-10	0.175914	0.172	0.103	1.03E-05	Opc-G	GIGYF1
IQGAP2.4	6.97E-10	-0.14188	0.066	0.154	1.04E-05	Opc-G	IQGAP2
DNAJC19.7	7.10E-10	0.130424	0.464	0.384	1.06E-05	Opc-G	DNAJC19
TRAP1.7	7.18E-10	0.249397	0.325	0.254	1.07E-05	Opc-G	TRAP1
ENO1.6	7.19E-10	-0.21926	0.81	0.793	1.07E-05	Opc-G	ENO1
OSBPL8.6	7.19E-10	-0.21663	0.199	0.319	1.08E-05	Opc-G	OSBPL8
CCNA2.9	7.26E-10	-0.18469	0.005	0.06	1.08E-05	Opc-G	CCNA2
NINJ1.10	7.51E-10	-0.37111	0.37	0.457	1.12E-05	Opc-G	NINJ1
CYHR1.7	7.63E-10	0.248558	0.347	0.274	1.14E-05	Opc-G	CYHR1
FARSB.7	7.86E-10	0.19893	0.307	0.227	1.17E-05	Opc-G	FARSB
RP11-430H.1	8.03E-10	0.150222	0.079	0.035	1.20E-05	Opc-G	RP11-430H10.1



LSM12.5	1.37E-09	-0.18597	0.156	0.266	2.05E-05	Opc-G	LSM12
TRAF3IP3.	1.38E-09	-0.26216	0.004	0.055	2.06E-05	Opc-G	TRAF3IP3
IMPA2.6	1.39E-09	-0.16364	0.008	0.063	2.08E-05	Opc-G	IMPA2
ATP2B1.5	1.40E-09	-0.23481	0.242	0.362	2.09E-05	Opc-G	ATP2B1
COX11.6	1.41E-09	0.193447	0.388	0.314	2.11E-05	Opc-G	COX11
ATP6V1B2.	1.45E-09	-0.30268	0.306	0.415	2.17E-05	Opc-G	ATP6V1B2
BCL3.6	1.45E-09	-0.16448	0.019	0.081	2.17E-05	Opc-G	BCL3
FKBP2.5	1.48E-09	-0.26272	0.475	0.598	2.21E-05	Opc-G	FKBP2
PYURF.6	1.51E-09	0.1327	0.65	0.533	2.26E-05	Opc-G	PYURF
PTPN7.10	1.52E-09	-0.28749	0.02	0.082	2.27E-05	Opc-G	PTPN7
RAB10.3	1.58E-09	0.110534	0.579	0.49	2.36E-05	Opc-G	RAB10
SDS.10	1.59E-09	-0.3241	0.008	0.062	2.37E-05	Opc-G	SDS
DLEU7.9	1.62E-09	-0.23056	0.003	0.053	2.43E-05	Opc-G	DLEU7
HK2.7	1.64E-09	-0.21064	0.025	0.089	2.45E-05	Opc-G	HK2
SGIP1.7	1.64E-09	0.136674	0.097	0.047	2.46E-05	Opc-G	SGIP1
LINC00936	1.68E-09	-0.29828	0.066	0.146	2.51E-05	Opc-G	LINC00936
ACIN1.6	1.69E-09	0.221775	0.335	0.26	2.52E-05	Opc-G	ACIN1
SIGLEC14.	1.69E-09	-0.21787	0	0.047	2.53E-05	Opc-G	SIGLEC14
SMCHD1.7	1.69E-09	-0.1797	0.098	0.193	2.53E-05	Opc-G	SMCHD1
RASGRP1.8	1.77E-09	-0.10544	0.014	0.072	2.65E-05	Opc-G	RASGRP1
CIR1.3	1.79E-09	0.14236	0.411	0.324	2.68E-05	Opc-G	CIR1
THSD4.4	1.81E-09	0.169158	0.059	0.023	2.70E-05	Opc-G	THSD4
RAB5A.6	1.86E-09	0.111145	0.53	0.442	2.79E-05	Opc-G	RAB5A
IKBKE.9	1.89E-09	-0.19929	0.007	0.06	2.83E-05	Opc-G	IKBKE
SLC4A7.5	1.92E-09	-0.23998	0.123	0.22	2.87E-05	Opc-G	SLC4A7
SBK1.10	1.93E-09	0.185185	0.126	0.068	2.89E-05	Opc-G	SBK1
ZFP36L2.9	1.95E-09	-0.30463	0.434	0.521	2.91E-05	Opc-G	ZFP36L2
CCNB1.8	1.95E-09	-0.2628	0.029	0.095	2.91E-05	Opc-G	CCNB1
CORO1B.9	2.00E-09	-0.29156	0.255	0.368	2.99E-05	Opc-G	CORO1B
CALCOCO1.	2.03E-09	0.175096	0.217	0.143	3.04E-05	Opc-G	CALCOCO1
LINC00665	2.05E-09	0.225392	0.253	0.182	3.07E-05	Opc-G	LINC00665
DHCR24.7	2.06E-09	-0.14254	0.031	0.1	3.08E-05	Opc-G	DHCR24
ARID5B.8	2.07E-09	-0.32271	0.25	0.362	3.09E-05	Opc-G	ARID5B
MPDU1.3	2.08E-09	0.149331	0.392	0.312	3.11E-05	Opc-G	MPDU1
RAMP2.9	2.08E-09	0.272303	0.199	0.131	3.11E-05	Opc-G	RAMP2
MED30.5	2.08E-09	0.204353	0.329	0.248	3.11E-05	Opc-G	MED30
LINC00662	2.12E-09	0.272033	0.25	0.178	3.18E-05	Opc-G	LINC00662
C17orf62.	2.15E-09	-0.2702	0.26	0.375	3.21E-05	Opc-G	C17orf62
FOXD1	2.17E-09	0.158342	0.066	0.028	3.25E-05	Opc-G	FOXD1
MAP3K13.7	2.19E-09	0.133016	0.474	0.388	3.27E-05	Opc-G	MAP3K13
LAP3.8	2.21E-09	-0.28874	0.38	0.499	3.30E-05	Opc-G	LAP3
SAYS1.2	2.21E-09	-0.16463	0.046	0.122	3.31E-05	Opc-G	SAYS1
MAP4K5.8	2.27E-09	0.206587	0.223	0.15	3.40E-05	Opc-G	MAP4K5
FOSL1.5	2.29E-09	-0.11516	0.001	0.049	3.43E-05	Opc-G	FOSL1
MR1.8	2.29E-09	-0.22476	0.027	0.093	3.43E-05	Opc-G	MR1
CERS2.4	2.30E-09	-0.23603	0.135	0.238	3.44E-05	Opc-G	CERS2
NRG1.2	2.33E-09	0.139219	0.059	0.023	3.47E-05	Opc-G	NRG1
ATP6V1A.4	2.37E-09	-0.18035	0.108	0.205	3.54E-05	Opc-G	ATP6V1A
PHLPP1.1C	2.42E-09	0.167497	0.141	0.081	3.62E-05	Opc-G	PHLPP1
ST6GALNAC	2.43E-09	-0.15154	0.052	0.13	3.63E-05	Opc-G	ST6GALNAC4
RBM15B.8	2.46E-09	0.241278	0.236	0.167	3.67E-05	Opc-G	RBM15B





DCBLD2.9	4.21E-09	-0.15834	0.067	0.148	6.30E-05	Opc-G	DCBLD2
CYB561.6	4.26E-09	-0.12893	0.022	0.083	6.37E-05	Opc-G	CYB561
NUDT7	4.35E-09	0.135127	0.067	0.029	6.50E-05	Opc-G	NUDT7
ANG.7	4.39E-09	-0.28104	0.026	0.088	6.57E-05	Opc-G	ANG
LDLRAP1.5	4.40E-09	-0.15784	0.008	0.06	6.58E-05	Opc-G	LDLRAP1
VPS26A.7	4.44E-09	-0.24071	0.148	0.249	6.63E-05	Opc-G	VPS26A
PRKAR2B.8	4.47E-09	0.148478	0.122	0.065	6.68E-05	Opc-G	PRKAR2B
CDCA3.9	4.49E-09	-0.17422	0.005	0.055	6.71E-05	Opc-G	CDCA3
ATF5.7	4.70E-09	-0.28523	0.109	0.199	7.03E-05	Opc-G	ATF5
LRMP.8	4.73E-09	-0.20449	0.001	0.048	7.08E-05	Opc-G	LRMP
BRSK2.5	4.79E-09	0.144947	0.079	0.037	7.15E-05	Opc-G	BRSK2
PLB1.9	4.80E-09	-0.18048	0	0.045	7.18E-05	Opc-G	PLB1
ETV5.7	4.84E-09	-0.17876	0.156	0.265	7.23E-05	Opc-G	ETV5
AKIP1.4	4.85E-09	-0.2341	0.183	0.294	7.25E-05	Opc-G	AKIP1
TMBIM6.5	4.96E-09	-0.24387	0.851	0.837	7.42E-05	Opc-G	TMBIM6
FAM126B.5	4.98E-09	0.150007	0.208	0.135	7.44E-05	Opc-G	FAM126B
MPEG1.8	4.98E-09	-0.18304	0	0.045	7.45E-05	Opc-G	MPEG1
CCNE2.7	5.07E-09	0.17502	0.107	0.055	7.58E-05	Opc-G	CCNE2
PSTPIP2.7	5.09E-09	-0.14498	0.001	0.047	7.61E-05	Opc-G	PSTPIP2
UNC80.4	5.14E-09	0.17418	0.079	0.037	7.68E-05	Opc-G	UNC80
LANCL1.8	5.16E-09	0.146941	0.18	0.113	7.71E-05	Opc-G	LANCL1
MALT1.8	5.29E-09	-0.16251	0.019	0.078	7.90E-05	Opc-G	MALT1
ZNF655.2	5.31E-09	0.136268	0.316	0.234	7.94E-05	Opc-G	ZNF655
CREB3L4.2	5.38E-09	0.171659	0.094	0.047	8.04E-05	Opc-G	CREB3L4
PAPSS1.5	5.43E-09	0.19702	0.366	0.289	8.11E-05	Opc-G	PAPSS1
EDEM2.5	5.45E-09	-0.24635	0.143	0.247	8.15E-05	Opc-G	EDEM2
QPCT.6	5.60E-09	-0.19236	0.003	0.05	8.36E-05	Opc-G	QPCT
ZNF524.4	5.61E-09	-0.17494	0.101	0.194	8.38E-05	Opc-G	ZNF524
LGR4.9	5.67E-09	-0.10028	0.037	0.106	8.48E-05	Opc-G	LGR4
GPRIN3.1C	5.69E-09	-0.2183	0.01	0.062	8.51E-05	Opc-G	GPRIN3
NFKBIE.8	5.77E-09	-0.18249	0.061	0.139	8.63E-05	Opc-G	NFKBIE
LL22NC03-5	5.80E-09	0.126765	0.075	0.034	8.67E-05	Opc-G	LL22NC03-2H8.5
VPS72.6	5.90E-09	0.171186	0.347	0.271	8.82E-05	Opc-G	VPS72
RAB13.9	5.93E-09	-0.27769	0.262	0.379	8.87E-05	Opc-G	RAB13
ZC3H6.7	5.93E-09	0.250667	0.21	0.143	8.87E-05	Opc-G	ZC3H6
LMBR1.7	5.94E-09	0.230745	0.168	0.106	8.88E-05	Opc-G	LMBR1
TRAM1.8	5.95E-09	-0.26036	0.321	0.441	8.89E-05	Opc-G	TRAM1
GLRX2.3	6.22E-09	-0.1284	0.079	0.169	9.29E-05	Opc-G	GLRX2
MARCH6.8	6.22E-09	0.129951	0.437	0.352	9.29E-05	Opc-G	6-Mar
C19orf66.6	6.39E-09	-0.19083	0.154	0.263	9.56E-05	Opc-G	C19orf66
MTHFD1L.9	6.46E-09	-0.19925	0.063	0.14	9.65E-05	Opc-G	MTHFD1L
RBM5.7	6.52E-09	0.183009	0.351	0.274	9.74E-05	Opc-G	RBM5
PRPF6.8	6.52E-09	0.171611	0.423	0.348	9.75E-05	Opc-G	PRPF6
MDFIC.4	6.63E-09	-0.11256	0.001	0.047	9.91E-05	Opc-G	MDFIC
NIPSNAP1.6	6.67E-09	0.220011	0.232	0.163	9.96E-05	Opc-G	NIPSNAP1
THYN1.7	6.69E-09	0.111137	0.48	0.401	9.99E-05	Opc-G	THYN1
ABR.6	6.72E-09	-0.20039	0.07	0.15	0.0001	Opc-G	ABR
ARSA.7	6.74E-09	-0.25459	0.063	0.139	0.000101	Opc-G	ARSA
RP11-725F	6.74E-09	0.141426	0.056	0.022	0.000101	Opc-G	RP11-725P16.2
MYOF.7	6.81E-09	-0.1711	0.001	0.047	0.000102	Opc-G	MYOF
PRKCH.7	6.93E-09	-0.2164	0.001	0.047	0.000104	Opc-G	PRKCH

NUFIP1.6	6.97E-09	0.237446	0.173	0.111	0.000104	Opc-G	NUFIP1
FAS.3	7.15E-09	-0.21939	0.015	0.071	0.000107	Opc-G	FAS
NUDT22.7	7.26E-09	-0.20615	0.164	0.277	0.000108	Opc-G	NUDT22
POU2F2.8	7.33E-09	-0.29004	0.066	0.14	0.00011	Opc-G	POU2F2
WARS.6	7.38E-09	-0.24966	0.115	0.207	0.00011	Opc-G	WARS
DOCK5.9	7.38E-09	-0.2522	0.008	0.058	0.00011	Opc-G	DOCK5
CNN2.6	7.43E-09	-0.19211	0.015	0.07	0.000111	Opc-G	CNN2
TMEM97.7	7.44E-09	0.262598	0.234	0.168	0.000111	Opc-G	TMEM97
GLTP.6	7.46E-09	0.151708	0.343	0.263	0.000111	Opc-G	GLTP
NDUFV1.4	7.49E-09	0.11444	0.551	0.475	0.000112	Opc-G	NDUFV1
SOX15.8	7.50E-09	0.162268	0.122	0.067	0.000112	Opc-G	SOX15
RBM7.3	7.52E-09	-0.20733	0.145	0.249	0.000112	Opc-G	RBM7
ZNF566.7	7.59E-09	0.164621	0.176	0.111	0.000113	Opc-G	ZNF566
NFKB1.8	7.62E-09	-0.24256	0.041	0.108	0.000114	Opc-G	NFKB1
ABHD17B.1	7.62E-09	0.172656	0.189	0.12	0.000114	Opc-G	ABHD17B
ITPRIPL2.7	7.88E-09	-0.14124	0.019	0.077	0.000118	Opc-G	ITPRIPL2
DCTN6.4	7.89E-09	0.136229	0.512	0.439	0.000118	Opc-G	DCTN6
CNRIP1.7	7.92E-09	0.227037	0.273	0.2	0.000118	Opc-G	CNRIP1
ESYT1.9	7.99E-09	-0.19968	0.052	0.125	0.000119	Opc-G	ESYT1
GIMAP5.8	7.99E-09	-0.22874	0.005	0.054	0.000119	Opc-G	GIMAP5
PNPT1.6	8.01E-09	0.206597	0.264	0.192	0.00012	Opc-G	PNPT1
TOP2A.10	8.07E-09	-0.29039	0.029	0.09	0.000121	Opc-G	TOP2A
EPHA4.7	8.07E-09	0.197046	0.133	0.078	0.000121	Opc-G	EPHA4
DOLPP1.6	8.50E-09	0.179656	0.158	0.098	0.000127	Opc-G	DOLPP1
CCDC93.6	8.54E-09	0.212964	0.189	0.123	0.000128	Opc-G	CCDC93
FAM89B.9	8.63E-09	0.222699	0.311	0.242	0.000129	Opc-G	FAM89B
TMEM144.5	8.66E-09	-0.40142	0.023	0.081	0.000129	Opc-G	TMEM144
LBR.6	8.73E-09	0.176537	0.307	0.227	0.00013	Opc-G	LBR
SLC39A11.8	8.83E-09	-0.15472	0.019	0.077	0.000132	Opc-G	SLC39A11
ZNF292.7	8.95E-09	0.212905	0.335	0.259	0.000134	Opc-G	ZNF292
UBE2E2.5	8.98E-09	0.108406	0.331	0.234	0.000134	Opc-G	UBE2E2
COQ7.7	9.03E-09	0.204725	0.255	0.183	0.000135	Opc-G	COQ7
CD72.7	9.05E-09	-0.19823	0.005	0.053	0.000135	Opc-G	CD72
PDGFB.7	9.10E-09	-0.22449	0.003	0.049	0.000136	Opc-G	PDGFB
GRB14	9.29E-09	0.11975	0.064	0.028	0.000139	Opc-G	GRB14
STX3.3	9.32E-09	-0.17836	0.02	0.079	0.000139	Opc-G	STX3
CARD8.9	9.34E-09	-0.27881	0.075	0.153	0.00014	Opc-G	CARD8
EIF2B1.5	9.41E-09	0.195723	0.35	0.278	0.000141	Opc-G	EIF2B1
CDC42.6	9.51E-09	-0.26261	0.545	0.626	0.000142	Opc-G	CDC42
ITPKB.3	9.57E-09	-0.1734	0.019	0.077	0.000143	Opc-G	ITPKB
PNPO.6	9.59E-09	-0.19245	0.023	0.082	0.000143	Opc-G	PNPO
METTL5.4	9.67E-09	0.139689	0.433	0.355	0.000144	Opc-G	METTL5
IKBKG.5	9.78E-09	-0.16708	0.061	0.138	0.000146	Opc-G	IKBKG
COR07.9	9.78E-09	0.13694	0.232	0.153	0.000146	Opc-G	COR07
MAST1.3	1.00E-08	0.138081	0.087	0.043	0.00015	Opc-G	MAST1
KIAA1211L	1.02E-08	-0.10494	0.008	0.059	0.000152	Opc-G	KIAA1211L
C16orf13	1.03E-08	0.145494	0.537	0.455	0.000153	Opc-G	C16orf13
EVI5.3	1.04E-08	-0.13707	0.098	0.19	0.000156	Opc-G	EVI5
HAT1.5	1.07E-08	0.169303	0.367	0.292	0.00016	Opc-G	HAT1
DERL2.6	1.10E-08	-0.26352	0.242	0.359	0.000164	Opc-G	DERL2
RAC3.9	1.11E-08	0.255084	0.246	0.179	0.000166	Opc-G	RAC3

ID3.9	1.11E-08	-0.48218	0.182	0.27	0.000167	Opc-G	ID3
JAM3.6	1.13E-08	0.192318	0.212	0.145	0.000169	Opc-G	JAM3
MYCBP.6	1.14E-08	-0.19031	0.033	0.097	0.000171	Opc-G	MYCBP
ZFP82.7	1.15E-08	0.203478	0.167	0.105	0.000172	Opc-G	ZFP82
PRSS23.8	1.15E-08	-0.25163	0.023	0.081	0.000172	Opc-G	PRSS23
SPOP.7	1.15E-08	0.209049	0.376	0.304	0.000172	Opc-G	SPOP
NINJ2.9	1.17E-08	-0.37561	0.031	0.091	0.000175	Opc-G	NINJ2
MAP3K2.4	1.18E-08	-0.17068	0.113	0.206	0.000177	Opc-G	MAP3K2
ZMYND15.7	1.21E-08	-0.16579	0.01	0.06	0.000181	Opc-G	ZMYND15
MORF4L1.3	1.21E-08	-0.22232	0.725	0.746	0.000181	Opc-G	MORF4L1
RAB27A.7	1.22E-08	-0.21724	0.023	0.082	0.000182	Opc-G	RAB27A
CCDC25.7	1.23E-08	0.203777	0.365	0.292	0.000184	Opc-G	CCDC25
TMC8.8	1.23E-08	-0.19053	0.001	0.045	0.000184	Opc-G	TMC8
ARMCX5.5	1.23E-08	0.130241	0.127	0.071	0.000184	Opc-G	ARMCX5
PRDX3.8	1.24E-08	-0.28579	0.351	0.474	0.000186	Opc-G	PRDX3
LMCD1.6	1.25E-08	-0.11932	0.027	0.089	0.000187	Opc-G	LMCD1
C21orf62.1	1.28E-08	-0.15142	0.079	0.163	0.000191	Opc-G	C21orf62
MYLK.7	1.29E-08	-0.20512	0.011	0.062	0.000193	Opc-G	MYLK
ANAPC7.6	1.32E-08	0.227826	0.234	0.168	0.000198	Opc-G	ANAPC7
ERICH1.6	1.34E-08	-0.20404	0.171	0.279	0.0002	Opc-G	ERICH1
MAP7D3.3	1.34E-08	-0.14633	0.049	0.122	0.0002	Opc-G	MAP7D3
GRB2.10	1.36E-08	-0.24544	0.392	0.486	0.000203	Opc-G	GRB2
OSGEPL1.4	1.36E-08	0.152871	0.117	0.065	0.000204	Opc-G	OSGEPL1
PNMAL1.8	1.38E-08	0.200415	0.15	0.092	0.000206	Opc-G	PNMAL1
COPZ2.3	1.38E-08	-0.1113	0.008	0.058	0.000207	Opc-G	COPZ2
MTHFD2L.5	1.39E-08	0.252629	0.268	0.202	0.000207	Opc-G	MTHFD2L
ABRACL.8	1.39E-08	-0.27625	0.209	0.311	0.000208	Opc-G	ABRACL
MAP3K5.5	1.39E-08	-0.13479	0.005	0.053	0.000208	Opc-G	MAP3K5
PTPRA.7	1.41E-08	0.151354	0.445	0.348	0.000211	Opc-G	PTPRA
DENND2D.6	1.41E-08	-0.1857	0.003	0.048	0.000211	Opc-G	DENND2D
IL1ORB-AS	1.44E-08	-0.21354	0.003	0.047	0.000215	Opc-G	IL1ORB-AS1
MAPK8IP2.1	1.47E-08	0.156877	0.082	0.04	0.000219	Opc-G	MAPK8IP2
CTNNAL1.8	1.47E-08	0.230116	0.208	0.143	0.00022	Opc-G	CTNNAL1
PSRC1.7	1.48E-08	-0.20163	0.161	0.271	0.000221	Opc-G	PSRC1
SEMA6C.1	1.50E-08	0.108051	0.067	0.029	0.000223	Opc-G	SEMA6C
ADH5.7	1.50E-08	0.138087	0.455	0.384	0.000225	Opc-G	ADH5
SYT6.5	1.51E-08	0.108669	0.094	0.047	0.000226	Opc-G	SYT6
WDR18.7	1.52E-08	0.203556	0.351	0.282	0.000227	Opc-G	WDR18
PRKDC.6	1.52E-08	0.213051	0.357	0.288	0.000228	Opc-G	PRKDC
BNIP2.9	1.53E-08	-0.23119	0.169	0.27	0.000228	Opc-G	BNIP2
CHERP.6	1.61E-08	0.189134	0.235	0.164	0.000241	Opc-G	CHERP
TNKS2.5	1.62E-08	-0.14927	0.045	0.114	0.000241	Opc-G	TNKS2
NCOA4.10	1.62E-08	-0.26247	0.171	0.269	0.000242	Opc-G	NCOA4
ROM1.8	1.64E-08	-0.15945	0.046	0.118	0.000245	Opc-G	ROM1
PLA2G7.8	1.65E-08	-0.208	0.007	0.054	0.000246	Opc-G	PLA2G7
TMEM161B-	1.66E-08	0.147162	0.373	0.283	0.000248	Opc-G	TMEM161B-AS1
MBD2.4	1.67E-08	-0.14594	0.015	0.068	0.000249	Opc-G	MBD2
C7orf60.3	1.67E-08	0.153077	0.122	0.068	0.00025	Opc-G	C7orf60
NUSAP1.9	1.71E-08	-0.30785	0.044	0.108	0.000255	Opc-G	NUSAP1
ATF7IP2.9	1.72E-08	-0.20849	0.001	0.044	0.000257	Opc-G	ATF7IP2
TAGLN.6	1.73E-08	-0.44517	0.019	0.074	0.000258	Opc-G	TAGLN

TAPBPL. 6	1. 74E-08	-0. 22263	0. 055	0. 127	0. 00026	Opc-G	TAPBPL
ACTA2. 5	1. 75E-08	-0. 17328	0. 007	0. 055	0. 000261	Opc-G	ACTA2
ANXA2R. 9	1. 75E-08	0. 210298	0. 216	0. 148	0. 000262	Opc-G	ANXA2R
UCP2. 10	1. 75E-08	-0. 4607	0. 206	0. 277	0. 000262	Opc-G	UCP2
FAM131B. 8	1. 76E-08	0. 160378	0. 127	0. 072	0. 000262	Opc-G	FAM131B
SRSF1. 5	1. 77E-08	0. 132412	0. 464	0. 393	0. 000264	Opc-G	SRSF1
ARSG. 3	1. 77E-08	-0. 18756	0. 029	0. 089	0. 000264	Opc-G	ARSG
SHOC2. 4	1. 77E-08	-0. 18225	0. 077	0. 156	0. 000264	Opc-G	SHOC2
ATG16L2. 9	1. 81E-08	-0. 2001	0. 03	0. 091	0. 000271	Opc-G	ATG16L2
PITPNA-AS	1. 83E-08	0. 225201	0. 258	0. 191	0. 000273	Opc-G	PITPNA-AS1
OBSL1. 8	1. 84E-08	0. 238172	0. 205	0. 142	0. 000275	Opc-G	OBSL1
PDIA3. 10	1. 86E-08	-0. 23154	0. 51	0. 588	0. 000278	Opc-G	PDIA3
AP1B1. 10	1. 87E-08	-0. 27857	0. 172	0. 264	0. 000279	Opc-G	AP1B1
TUSC1. 6	1. 88E-08	0. 120517	0. 133	0. 075	0. 000281	Opc-G	TUSC1
XAF1. 5	1. 90E-08	-0. 23543	0. 045	0. 113	0. 000284	Opc-G	XAF1
NHSL1. 4	1. 96E-08	0. 183399	0. 16	0. 099	0. 000293	Opc-G	NHSL1
IGF2BP3. 8	1. 97E-08	0. 210694	0. 161	0. 104	0. 000295	Opc-G	IGF2BP3
TBRG4. 7	1. 97E-08	0. 186742	0. 306	0. 233	0. 000295	Opc-G	TBRG4
PDCD7. 5	1. 98E-08	0. 242459	0. 28	0. 217	0. 000295	Opc-G	PDCD7
GRAMD1A. 7	1. 98E-08	0. 201808	0. 342	0. 27	0. 000296	Opc-G	GRAMD1A
SPN. 10	2. 00E-08	-0. 21723	0. 01	0. 059	0. 000299	Opc-G	SPN
ASF1B. 7	2. 02E-08	-0. 16236	0. 012	0. 063	0. 000302	Opc-G	ASF1B
DTD2. 5	2. 02E-08	0. 221826	0. 119	0. 068	0. 000302	Opc-G	DTD2
ZNF883. 9	2. 10E-08	0. 228842	0. 199	0. 137	0. 000313	Opc-G	ZNF883
MTHFS. 7	2. 10E-08	-0. 22383	0. 108	0. 194	0. 000314	Opc-G	MTHFS
KCNQ1. 9	2. 12E-08	-0. 17585	0	0. 041	0. 000316	Opc-G	KCNQ1
POM121. 4	2. 12E-08	0. 188076	0. 22	0. 153	0. 000318	Opc-G	POM121
KIAA0226L	2. 15E-08	0. 103603	0. 153	0. 091	0. 000321	Opc-G	KIAA0226L
SLC9A9. 9	2. 15E-08	-0. 25416	0. 025	0. 082	0. 000322	Opc-G	SLC9A9
PTP4A2. 7	2. 17E-08	-0. 23132	0. 369	0. 458	0. 000324	Opc-G	PTP4A2
SNRNP27. 4	2. 27E-08	0. 136535	0. 418	0. 348	0. 00034	Opc-G	SNRNP27
SRGAP2. 7	2. 28E-08	-0. 30264	0. 149	0. 238	0. 000341	Opc-G	SRGAP2
CSNK1D. 7	2. 32E-08	-0. 20574	0. 25	0. 367	0. 000346	Opc-G	CSNK1D
JOSD1. 9	2. 32E-08	-0. 18606	0. 082	0. 163	0. 000346	Opc-G	JOSD1
RUNX3. 8	2. 36E-08	-0. 1862	0	0. 041	0. 000353	Opc-G	RUNX3
ZNF519. 2	2. 37E-08	0. 121515	0. 081	0. 039	0. 000354	Opc-G	ZNF519
ZNF276. 3	2. 37E-08	0. 164478	0. 143	0. 086	0. 000355	Opc-G	ZNF276
CENPE. 9	2. 41E-08	-0. 18767	0. 01	0. 058	0. 00036	Opc-G	CENPE
RAB8A. 6	2. 43E-08	-0. 25956	0. 251	0. 363	0. 000362	Opc-G	RAB8A
ADRB2. 8	2. 46E-08	-0. 23134	0. 004	0. 049	0. 000368	Opc-G	ADRB2
MAPK3. 4	2. 47E-08	-0. 19807	0. 119	0. 213	0. 00037	Opc-G	MAPK3
C7orf43. 4	2. 49E-08	0. 161328	0. 117	0. 066	0. 000372	Opc-G	C7orf43
DAP. 6	2. 49E-08	-0. 19292	0. 179	0. 283	0. 000373	Opc-G	DAP
ECHS1. 5	2. 50E-08	-0. 26612	0. 331	0. 441	0. 000373	Opc-G	ECHS1
RB1CC1. 8	2. 50E-08	0. 216891	0. 343	0. 272	0. 000373	Opc-G	RB1CC1
GLDC. 6	2. 53E-08	0. 198501	0. 115	0. 065	0. 000378	Opc-G	GLDC
RNF135. 10	2. 54E-08	-0. 21701	0. 048	0. 115	0. 000379	Opc-G	RNF135
GNPTAB. 4	2. 54E-08	-0. 21082	0. 082	0. 161	0. 00038	Opc-G	GNPTAB
TFDP1. 5	2. 56E-08	-0. 12299	0. 105	0. 197	0. 000382	Opc-G	TFDP1
KIF2C. 8	2. 59E-08	-0. 1358	0. 003	0. 046	0. 000387	Opc-G	KIF2C
KANSL1-AS	2. 62E-08	-0. 12741	0. 107	0. 199	0. 000391	Opc-G	KANSL1-AS1

ADAM8. 8	2. 62E-08	-0. 19135	0. 003	0. 046	0. 000391	Opc-G	ADAM8
SMO. 6	2. 63E-08	0. 169617	0. 093	0. 049	0. 000393	Opc-G	SMO
HSD17B8. 3	2. 63E-08	-0. 15839	0. 037	0. 102	0. 000393	Opc-G	HSD17B8
HIST2H2AA	2. 65E-08	-0. 22307	0. 015	0. 066	0. 000396	Opc-G	HIST2H2AA3
DNAJC4. 6	2. 69E-08	-0. 18647	0. 137	0. 234	0. 000402	Opc-G	DNAJC4
ADAM19. 6	2. 70E-08	-0. 10975	0. 025	0. 083	0. 000403	Opc-G	ADAM19
PRDM2. 3	2. 72E-08	0. 149339	0. 213	0. 144	0. 000406	Opc-G	PRDM2
ATP8B4. 8	2. 72E-08	-0. 18888	0. 003	0. 046	0. 000406	Opc-G	ATP8B4
REEP5. 8	2. 72E-08	-0. 29653	0. 488	0. 591	0. 000407	Opc-G	REEP5
EIF2B4. 5	2. 73E-08	0. 186418	0. 253	0. 183	0. 000408	Opc-G	EIF2B4
JKAMP. 4	2. 76E-08	0. 164609	0. 365	0. 295	0. 000413	Opc-G	JKAMP
HOMER1. 9	2. 78E-08	-0. 11555	0. 079	0. 162	0. 000415	Opc-G	HOMER1
CYLD. 6	2. 80E-08	-0. 24435	0. 09	0. 17	0. 000418	Opc-G	CYLD
YLPM1. 3	2. 84E-08	0. 20179	0. 172	0. 111	0. 000424	Opc-G	YLPM1
CHD3. 6	2. 86E-08	0. 16695	0. 176	0. 111	0. 000427	Opc-G	CHD3
MYL6. 6	2. 89E-08	-0. 20037	0. 975	0. 939	0. 000432	Opc-G	MYL6
ARHGAP20.	2. 92E-08	-0. 10375	0. 012	0. 063	0. 000436	Opc-G	ARHGAP20
LSM2. 5	2. 93E-08	0. 102945	0. 531	0. 442	0. 000437	Opc-G	LSM2
EN2. 1	2. 93E-08	0. 10862	0. 055	0. 022	0. 000437	Opc-G	EN2
CCDC57. 1C	2. 94E-08	-0. 21824	0. 045	0. 111	0. 000439	Opc-G	CCDC57
TLR5. 7	3. 00E-08	-0. 22619	0. 004	0. 048	0. 000449	Opc-G	TLR5
B4GALT4. 3	3. 01E-08	-0. 14227	0. 066	0. 143	0. 000449	Opc-G	B4GALT4
CAPN10. 4	3. 03E-08	0. 189021	0. 138	0. 083	0. 000453	Opc-G	CAPN10
PAAF1. 6	3. 04E-08	0. 199083	0. 264	0. 195	0. 000454	Opc-G	PAAF1
TSHZ2. 8	3. 04E-08	0. 102199	0. 093	0. 047	0. 000455	Opc-G	TSHZ2
PHLDA2. 4	3. 06E-08	-0. 12648	0. 007	0. 053	0. 000458	Opc-G	PHLDA2
AP2S1. 8	3. 07E-08	-0. 24593	0. 623	0. 663	0. 000458	Opc-G	AP2S1
BBX. 6	3. 07E-08	0. 150502	0. 473	0. 402	0. 000459	Opc-G	BBX
DOK3. 10	3. 11E-08	-0. 19093	0. 016	0. 069	0. 000464	Opc-G	DOK3
VRK2. 9	3. 14E-08	-0. 19269	0. 01	0. 058	0. 00047	Opc-G	VRK2
SLC25A13.	3. 15E-08	0. 189655	0. 187	0. 123	0. 00047	Opc-G	SLC25A13
RNF19A. 9	3. 16E-08	-0. 18089	0. 116	0. 208	0. 000473	Opc-G	RNF19A
APOBR. 9	3. 18E-08	-0. 17283	0	0. 04	0. 000475	Opc-G	APOBR
SLC16A4. 3	3. 18E-08	-0. 10128	0. 014	0. 065	0. 000475	Opc-G	SLC16A4
AK2. 6	3. 28E-08	-0. 26989	0. 28	0. 398	0. 000491	Opc-G	AK2
UBTF. 7	3. 29E-08	0. 21846	0. 288	0. 222	0. 000491	Opc-G	UBTF
AIDA. 5	3. 36E-08	-0. 25857	0. 149	0. 241	0. 000503	Opc-G	AIDA
REEP1. 10	3. 38E-08	0. 14424	0. 134	0. 077	0. 000505	Opc-G	REEP1
BAZ1B. 9	3. 38E-08	0. 202331	0. 361	0. 294	0. 000506	Opc-G	BAZ1B
IL6. 4	3. 42E-08	-0. 20548	0. 001	0. 043	0. 000512	Opc-G	IL6
ARPC2. 8	3. 43E-08	-0. 20529	0. 787	0. 773	0. 000513	Opc-G	ARPC2
GIMAP2. 9	3. 45E-08	-0. 26181	0. 025	0. 08	0. 000515	Opc-G	GIMAP2
DYNC1LI1.	3. 45E-08	0. 174864	0. 339	0. 262	0. 000515	Opc-G	DYNC1LI1
PPP2R5A. 2	3. 48E-08	-0. 12802	0. 048	0. 117	0. 000521	Opc-G	PPP2R5A
SAA2. 7	3. 49E-08	-0. 64857	0. 008	0. 055	0. 000522	Opc-G	SAA2
SEPP1. 6	3. 55E-08	-0. 5025	0. 253	0. 334	0. 000531	Opc-G	SEPP1
CTD-2035E	3. 61E-08	0. 117849	0. 074	0. 035	0. 000539	Opc-G	CTD-2035E11. 3
RHN01. 5	3. 64E-08	-0. 17253	0. 111	0. 201	0. 000543	Opc-G	RHN01
ASL. 7	3. 66E-08	-0. 24318	0. 094	0. 176	0. 000546	Opc-G	ASL
MPHOSPH8.	3. 70E-08	0. 105338	0. 47	0. 394	0. 000553	Opc-G	MPHOSPH8
SYNCRIP. 7	3. 71E-08	0. 151303	0. 452	0. 379	0. 000554	Opc-G	SYNCRIP

TBC1D2B. 8	3. 75E-08	-0. 18764	0. 008	0. 055	0. 00056	Opc-G	TBC1D2B
MSL3. 1	3. 76E-08	-0. 21233	0. 075	0. 152	0. 000562	Opc-G	MSL3
RP11-386I	3. 77E-08	-0. 25718	0. 018	0. 07	0. 000564	Opc-G	RP11-386I14. 4
CASP8. 9	3. 78E-08	-0. 17341	0. 005	0. 05	0. 000564	Opc-G	CASP8
ECT2. 7	3. 79E-08	-0. 13172	0. 007	0. 052	0. 000566	Opc-G	ECT2
ZC4H2. 6	3. 84E-08	0. 119198	0. 096	0. 049	0. 000573	Opc-G	ZC4H2
Clorf123.	3. 86E-08	0. 151442	0. 407	0. 336	0. 000577	Opc-G	Clorf123
WBP1L. 8	3. 91E-08	-0. 224	0. 048	0. 113	0. 000584	Opc-G	WBP1L
TMEM52B. 1	3. 91E-08	-0. 21912	0. 005	0. 05	0. 000584	Opc-G	TMEM52B
PHF20L1. 9	3. 91E-08	0. 215253	0. 366	0. 304	0. 000585	Opc-G	PHF20L1
SOCS6. 6	3. 94E-08	-0. 21123	0. 141	0. 236	0. 000589	Opc-G	SOCS6
NSD1. 5	3. 98E-08	0. 195962	0. 296	0. 228	0. 000594	Opc-G	NSD1
NACC1. 4	4. 02E-08	-0. 10967	0. 075	0. 156	0. 000601	Opc-G	NACC1
PHIP. 6	4. 04E-08	0. 156626	0. 402	0. 327	0. 000604	Opc-G	PHIP
ASNS. 10	4. 06E-08	0. 142774	0. 25	0. 172	0. 000607	Opc-G	ASNS
SERTAD1. 6	4. 08E-08	-0. 31052	0. 221	0. 322	0. 00061	Opc-G	SERTAD1
REX02. 9	4. 09E-08	-0. 30768	0. 22	0. 325	0. 000611	Opc-G	REX02
POMT1. 7	4. 10E-08	0. 210459	0. 195	0. 133	0. 000613	Opc-G	POMT1
STXBP3. 4	4. 12E-08	-0. 20438	0. 111	0. 199	0. 000615	Opc-G	STXBP3
AC109826.	4. 12E-08	-0. 1882	0	0. 04	0. 000615	Opc-G	AC109826. 1
NLGN4X. 8	4. 13E-08	0. 209181	0. 158	0. 102	0. 000618	Opc-G	NLGN4X
PAQR6. 8	4. 14E-08	0. 145741	0. 122	0. 069	0. 000618	Opc-G	PAQR6
GPR108. 6	4. 18E-08	-0. 20738	0. 167	0. 272	0. 000624	Opc-G	GPR108
SSRP1. 8	4. 18E-08	0. 172636	0. 419	0. 35	0. 000624	Opc-G	SSRP1
PPFIBP1. 7	4. 25E-08	-0. 12101	0. 079	0. 161	0. 000636	Opc-G	PPFIBP1
ACBD5. 5	4. 27E-08	-0. 14262	0. 089	0. 173	0. 000638	Opc-G	ACBD5
KIF16B. 1	4. 31E-08	-0. 12173	0. 014	0. 064	0. 000645	Opc-G	KIF16B
GJB2. 6	4. 37E-08	-0. 17438	0. 007	0. 052	0. 000653	Opc-G	GJB2
SNX20. 9	4. 39E-08	-0. 16799	0. 004	0. 047	0. 000657	Opc-G	SNX20
IL15. 8	4. 43E-08	-0. 16847	0	0. 039	0. 000662	Opc-G	IL15
TIPARP. 7	4. 44E-08	-0. 24465	0. 094	0. 174	0. 000664	Opc-G	TIPARP
PJA1. 8	4. 48E-08	0. 20501	0. 258	0. 188	0. 000669	Opc-G	PJA1
PRKCB. 9	4. 60E-08	-0. 15671	0. 003	0. 045	0. 000688	Opc-G	PRKCB
LRP5. 3	4. 68E-08	0. 174647	0. 092	0. 048	0. 0007	Opc-G	LRP5
FGF1. 8	4. 73E-08	-0. 15429	0. 036	0. 098	0. 000707	Opc-G	FGF1
ZBTB2. 4	4. 74E-08	0. 166854	0. 12	0. 069	0. 000708	Opc-G	ZBTB2
DALRD3. 6	4. 75E-08	-0. 13753	0. 087	0. 17	0. 00071	Opc-G	DALRD3
CELF3. 10	4. 76E-08	0. 139452	0. 115	0. 063	0. 000711	Opc-G	CELF3
PSEN2. 4	4. 77E-08	-0. 13975	0. 048	0. 116	0. 000713	Opc-G	PSEN2
SELL. 6	4. 77E-08	-0. 20835	0	0. 039	0. 000713	Opc-G	SELL
ASNSD1. 8	4. 80E-08	0. 162731	0. 336	0. 267	0. 000717	Opc-G	ASNSD1
SEMA4A. 8	4. 86E-08	-0. 16199	0. 007	0. 052	0. 000726	Opc-G	SEMA4A
HOXC10. 8	4. 87E-08	0. 143113	0. 097	0. 051	0. 000728	Opc-G	HOXC10
LRRC1. 8	4. 94E-08	0. 180411	0. 117	0. 067	0. 000738	Opc-G	LRRC1
SAMD14. 7	4. 95E-08	0. 136644	0. 111	0. 061	0. 000739	Opc-G	SAMD14
CEP290. 6	4. 95E-08	-0. 10822	0. 081	0. 163	0. 000739	Opc-G	CEP290
TRIM33. 6	4. 97E-08	0. 185537	0. 246	0. 179	0. 000742	Opc-G	TRIM33
STOX2. 10	4. 97E-08	0. 1597	0. 146	0. 089	0. 000742	Opc-G	STOX2
FAM210A. 5	5. 07E-08	-0. 18858	0. 071	0. 146	0. 000758	Opc-G	FAM210A
ALG2. 5	5. 09E-08	-0. 15366	0. 087	0. 168	0. 000761	Opc-G	ALG2
INTS12. 7	5. 10E-08	0. 187491	0. 227	0. 16	0. 000763	Opc-G	INTS12

GBP3.3	5.15E-08	-0.19115	0.029	0.087	0.00077	Opc-G	GBP3
PITPNM1.3	5.19E-08	-0.10095	0.011	0.059	0.000776	Opc-G	PITPNM1
TTC7A.9	5.21E-08	-0.19638	0.023	0.078	0.000778	Opc-G	TTC7A
ZNF282	5.22E-08	0.138498	0.09	0.047	0.000781	Opc-G	ZNF282
EMP2.4	5.24E-08	-0.2456	0.046	0.112	0.000783	Opc-G	EMP2
CUEDC2.4	5.27E-08	0.136105	0.462	0.396	0.000787	Opc-G	CUEDC2
RASSF3.8	5.27E-08	-0.15066	0.003	0.044	0.000787	Opc-G	RASSF3
CSNK1G2.4	5.33E-08	-0.13508	0.071	0.148	0.000797	Opc-G	CSNK1G2
TFE3.2	5.34E-08	-0.14829	0.052	0.121	0.000799	Opc-G	TFE3
PIM2.4	5.46E-08	-0.1617	0.01	0.056	0.000816	Opc-G	PIM2
NSUN5.3	5.54E-08	0.158172	0.29	0.219	0.000828	Opc-G	NSUN5
HS3ST3B1.5	5.58E-08	-0.15342	0.003	0.044	0.000834	Opc-G	HS3ST3B1
GPR158	5.58E-08	0.153314	0.057	0.025	0.000834	Opc-G	GPR158
NDUFS1.6	5.60E-08	0.190008	0.317	0.251	0.000836	Opc-G	NDUFS1
CERCAM.8	5.64E-08	-0.15977	0.061	0.134	0.000842	Opc-G	CERCAM
DHCR7.8	5.70E-08	-0.12279	0.097	0.183	0.000851	Opc-G	DHCR7
IFI16.8	5.70E-08	-0.36406	0.316	0.398	0.000852	Opc-G	IFI16
MIR181A2H	5.72E-08	0.102247	0.057	0.025	0.000854	Opc-G	MIR181A2HG
WIPF3.9	5.75E-08	-0.1609	0.036	0.096	0.00086	Opc-G	WIPF3
DPCD.7	5.76E-08	-0.18093	0.085	0.166	0.000861	Opc-G	DPCD
UBE2L6.5	5.78E-08	-0.28236	0.367	0.48	0.000864	Opc-G	UBE2L6
ZNHIT3.3	5.87E-08	0.137438	0.447	0.38	0.000877	Opc-G	ZNHIT3
DOCK4.7	5.89E-08	-0.28686	0.093	0.166	0.000881	Opc-G	DOCK4
HDDC2.5	5.90E-08	0.136802	0.46	0.396	0.000882	Opc-G	HDDC2
RSBN1.8	5.97E-08	0.163154	0.287	0.212	0.000893	Opc-G	RSBN1
C12orf75.5	5.98E-08	-0.26491	0.116	0.198	0.000893	Opc-G	C12orf75
RAB8B.7	6.00E-08	-0.14089	0.081	0.16	0.000896	Opc-G	RAB8B
RCOR1.2	6.01E-08	-0.11574	0.02	0.074	0.000898	Opc-G	RCOR1
USP49.2	6.14E-08	0.125768	0.081	0.04	0.000918	Opc-G	USP49
SF3B2.6	6.19E-08	0.109463	0.593	0.52	0.000925	Opc-G	SF3B2
TOP1.5	6.20E-08	0.159479	0.458	0.384	0.000927	Opc-G	TOP1
UBE2D4.3	6.22E-08	0.205667	0.251	0.185	0.000929	Opc-G	UBE2D4
NCKAP5.2	6.33E-08	0.119777	0.112	0.062	0.000946	Opc-G	NCKAP5
CHST9.2	6.36E-08	0.170571	0.067	0.031	0.000951	Opc-G	CHST9
TCF7.7	6.39E-08	0.15413	0.202	0.136	0.000955	Opc-G	TCF7
USP11.9	6.40E-08	0.126803	0.43	0.347	0.000956	Opc-G	USP11
ARHGAP27.6	6.41E-08	-0.2015	0.011	0.058	0.000958	Opc-G	ARHGAP27
AC147651.4	6.41E-08	-0.16657	0	0.039	0.000958	Opc-G	AC147651.4
CLCF1.5	6.57E-08	-0.15807	0.003	0.044	0.000982	Opc-G	CLCF1
CCL4.9	6.59E-08	-0.61201	0.281	0.327	0.000984	Opc-G	CCL4
TMEM50A.6	6.59E-08	-0.28831	0.508	0.598	0.000985	Opc-G	TMEM50A
USMG5.8	6.67E-08	-0.2461	0.557	0.624	0.000997	Opc-G	USMG5
CCDC88C.2	6.75E-08	0.11563	0.081	0.04	0.001009	Opc-G	CCDC88C
BRD9.3	6.78E-08	0.176753	0.257	0.189	0.001013	Opc-G	BRD9
ERP29.7	6.80E-08	-0.24112	0.51	0.618	0.001016	Opc-G	ERP29
GSAP.8	6.80E-08	-0.21582	0.027	0.082	0.001017	Opc-G	GSAP
STUB1.6	6.83E-08	0.140055	0.534	0.456	0.001021	Opc-G	STUB1
YPEL4.4	6.86E-08	0.146354	0.078	0.038	0.001026	Opc-G	YPEL4
CD7.7	6.88E-08	-0.27406	0.004	0.046	0.001029	Opc-G	CD7
SLC10A3.3	6.98E-08	-0.14817	0.029	0.086	0.001043	Opc-G	SLC10A3
JOSD2.8	7.07E-08	-0.19703	0.227	0.342	0.001057	Opc-G	JOSD2

SYBU. 8	7. 08E-08	0. 208529	0. 137	0. 083	0. 001057	Opc-G	SYBU
FADS1. 6	7. 08E-08	0. 216071	0. 279	0. 214	0. 001059	Opc-G	FADS1
EPAS1. 7	7. 17E-08	-0. 15455	0. 044	0. 109	0. 001071	Opc-G	EPAS1
TUBGCP4. 5	7. 23E-08	0. 15118	0. 18	0. 119	0. 001081	Opc-G	TUBGCP4
RP4-798A1	7. 31E-08	0. 140831	0. 077	0. 037	0. 001093	Opc-G	RP4-798A10. 7
FTL. 10	7. 40E-08	-0. 26687	0. 993	0. 994	0. 001106	Opc-G	FTL
FAM214B. 3	7. 42E-08	-0. 17085	0. 055	0. 123	0. 001109	Opc-G	FAM214B
IGF2R. 4	7. 47E-08	-0. 13821	0. 038	0. 1	0. 001117	Opc-G	IGF2R
RPH3A. 5	7. 49E-08	0. 17408	0. 066	0. 03	0. 001119	Opc-G	RPH3A
VMA21. 8	7. 51E-08	-0. 24238	0. 238	0. 347	0. 001122	Opc-G	VMA21
FURIN. 6	7. 62E-08	-0. 18258	0. 022	0. 075	0. 001138	Opc-G	FURIN
ZMYM2. 6	7. 63E-08	0. 17027	0. 272	0. 2	0. 001141	Opc-G	ZMYM2
GAS2L3. 6	7. 66E-08	-0. 10666	0. 019	0. 072	0. 001145	Opc-G	GAS2L3
BATF. 7	7. 74E-08	-0. 17474	0. 001	0. 041	0. 001157	Opc-G	BATF
SLC6A6. 3	7. 76E-08	-0. 20408	0. 016	0. 066	0. 001159	Opc-G	SLC6A6
IL2RG. 6	7. 80E-08	-0. 24878	0. 004	0. 046	0. 001166	Opc-G	IL2RG
FKBP14. 2	7. 80E-08	0. 165808	0. 146	0. 091	0. 001166	Opc-G	FKBP14
EDEM1. 7	7. 81E-08	-0. 18029	0. 027	0. 083	0. 001168	Opc-G	EDEM1
NKG7. 7	7. 83E-08	-0. 26881	0. 008	0. 053	0. 00117	Opc-G	NKG7
AP006222.	7. 84E-08	-0. 2061	0. 126	0. 217	0. 001172	Opc-G	AP006222. 2
FLI1. 10	8. 01E-08	-0. 2199	0. 01	0. 055	0. 001197	Opc-G	FLI1
SLC25A38.	8. 06E-08	0. 192351	0. 204	0. 142	0. 001205	Opc-G	SLC25A38
NDC80. 8	8. 28E-08	-0. 14777	0. 007	0. 051	0. 001237	Opc-G	NDC80
FAM78A. 8	8. 30E-08	-0. 169	0	0. 038	0. 00124	Opc-G	FAM78A
POMGNT2. 7	8. 37E-08	0. 223748	0. 195	0. 137	0. 001251	Opc-G	POMGNT2
DDX52. 6	8. 39E-08	0. 192351	0. 303	0. 24	0. 001254	Opc-G	DDX52
NPRL3. 6	8. 41E-08	0. 206466	0. 251	0. 186	0. 001256	Opc-G	NPRL3
GBGT1. 9	8. 43E-08	-0. 17651	0. 008	0. 053	0. 001259	Opc-G	GBGT1
ARHGAP25.	8. 48E-08	-0. 1599	0. 018	0. 069	0. 001267	Opc-G	ARHGAP25
NOTCH2NL.	8. 52E-08	-0. 11997	0. 089	0. 172	0. 001273	Opc-G	NOTCH2NL
AURKA. 7	8. 53E-08	-0. 17839	0. 026	0. 081	0. 001274	Opc-G	AURKA
KHDRBS3. 9	8. 56E-08	0. 243163	0. 277	0. 211	0. 001279	Opc-G	KHDRBS3
LYVE1. 8	8. 58E-08	-0. 30498	0. 001	0. 04	0. 001282	Opc-G	LYVE1
RREB1. 10	8. 76E-08	-0. 16934	0. 022	0. 075	0. 001309	Opc-G	RREB1
SLC31A1. 8	8. 77E-08	-0. 21089	0. 093	0. 173	0. 00131	Opc-G	SLC31A1
KBTBD6. 7	8. 79E-08	0. 169241	0. 191	0. 127	0. 001313	Opc-G	KBTBD6
GBA. 5	8. 83E-08	-0. 21089	0. 064	0. 135	0. 00132	Opc-G	GBA
CPSF4. 6	8. 94E-08	0. 178469	0. 26	0. 192	0. 001336	Opc-G	CPSF4
PLCG2. 7	9. 17E-08	-0. 19945	0. 007	0. 05	0. 001371	Opc-G	PLCG2
CHL1. 8	9. 20E-08	-0. 1688	0. 081	0. 158	0. 001375	Opc-G	CHL1
CACNG2. 1	9. 25E-08	0. 108225	0. 038	0. 014	0. 001382	Opc-G	CACNG2
ZBTB10. 4	9. 34E-08	0. 192094	0. 139	0. 086	0. 001396	Opc-G	ZBTB10
FKBP1A. 6	9. 43E-08	-0. 23091	0. 701	0. 699	0. 001409	Opc-G	FKBP1A
UGP2. 5	9. 48E-08	-0. 24795	0. 355	0. 468	0. 001417	Opc-G	UGP2
CD2AP. 5	9. 50E-08	-0. 13357	0. 029	0. 085	0. 00142	Opc-G	CD2AP
KLHL35. 9	9. 59E-08	0. 101625	0. 153	0. 09	0. 001434	Opc-G	KLHL35
NCAM2. 8	9. 64E-08	0. 123356	0. 115	0. 064	0. 001441	Opc-G	NCAM2
ULK2. 3	9. 73E-08	-0. 10603	0. 016	0. 066	0. 001454	Opc-G	ULK2
AMPD3. 7	9. 74E-08	-0. 17295	0. 01	0. 055	0. 001456	Opc-G	AMPD3
PLEKHJ1. 6	9. 81E-08	0. 149989	0. 43	0. 362	0. 001467	Opc-G	PLEKHJ1
CMKLR1. 8	9. 89E-08	-0. 19633	0. 008	0. 052	0. 001478	Opc-G	CMKLR1



G6PD. 4	9. 99E-08	-0. 19226	0. 141	0. 234	0. 001493	Opc-G	G6PD
PLD2. 6	1. 01E-07	-0. 14391	0. 031	0. 089	0. 001512	Opc-G	PLD2
LMBRD1. 6	1. 02E-07	-0. 28385	0. 137	0. 222	0. 001522	Opc-G	LMBRD1
C1RL. 3	1. 03E-07	-0. 18256	0. 012	0. 06	0. 001533	Opc-G	C1RL
FHOD1. 10	1. 04E-07	-0. 16765	0. 012	0. 059	0. 00155	Opc-G	FHOD1
ARMC10. 6	1. 04E-07	0. 200576	0. 354	0. 293	0. 001551	Opc-G	ARMC10
GCSH. 9	1. 04E-07	0. 146455	0. 425	0. 342	0. 00156	Opc-G	GCSH
C19orf68. 1	1. 04E-07	0. 123225	0. 077	0. 038	0. 001561	Opc-G	C19orf68
VAMP7. 4	1. 05E-07	-0. 16055	0. 09	0. 171	0. 001574	Opc-G	VAMP7
MITF. 9	1. 07E-07	-0. 22893	0. 038	0. 097	0. 001603	Opc-G	MITF
ARAP1. 8	1. 08E-07	-0. 22705	0. 049	0. 112	0. 00162	Opc-G	ARAP1
CWC27. 7	1. 13E-07	0. 189282	0. 324	0. 26	0. 001689	Opc-G	CWC27
NOP10. 10	1. 15E-07	-0. 25144	0. 56	0. 609	0. 001712	Opc-G	NOP10
C14orf1. 7	1. 15E-07	0. 126	0. 363	0. 288	0. 001716	Opc-G	C14orf1
SULT1A1. 8	1. 15E-07	-0. 18472	0. 008	0. 052	0. 001723	Opc-G	SULT1A1
SLC35F1. 7	1. 16E-07	0. 230608	0. 178	0. 122	0. 001737	Opc-G	SLC35F1
PDK3. 6	1. 17E-07	-0. 1418	0. 015	0. 063	0. 001743	Opc-G	PDK3
COX19. 5	1. 17E-07	0. 150487	0. 296	0. 226	0. 001754	Opc-G	COX19
KNOP1. 7	1. 18E-07	0. 221025	0. 317	0. 256	0. 001757	Opc-G	KNOP1
CDKN3. 9	1. 19E-07	-0. 2073	0. 037	0. 095	0. 001778	Opc-G	CDKN3
HOXD10	1. 20E-07	0. 103435	0. 06	0. 027	0. 001787	Opc-G	HOXD10
MICAL3. 5	1. 22E-07	0. 1504	0. 123	0. 072	0. 001818	Opc-G	MICAL3
PHF5A. 3	1. 22E-07	0. 145666	0. 389	0. 323	0. 001825	Opc-G	PHF5A
NOL11. 7	1. 23E-07	0. 210098	0. 247	0. 185	0. 001832	Opc-G	NOL11
IER5. 6	1. 23E-07	-0. 24459	0. 126	0. 208	0. 001842	Opc-G	IER5
ASCL2. 9	1. 24E-07	-0. 15461	0. 001	0. 04	0. 001853	Opc-G	ASCL2
ATXN1. 5	1. 25E-07	-0. 166	0. 089	0. 168	0. 001864	Opc-G	ATXN1
NMRK1. 8	1. 28E-07	-0. 27759	0. 074	0. 144	0. 001911	Opc-G	NMRK1
LHPP. 6	1. 28E-07	-0. 35195	0. 048	0. 109	0. 00192	Opc-G	LHPP
HRH2. 7	1. 30E-07	-0. 16766	0. 003	0. 042	0. 001942	Opc-G	HRH2
LTBR. 10	1. 31E-07	-0. 28211	0. 041	0. 099	0. 001956	Opc-G	LTBR
TRIM25. 5	1. 31E-07	-0. 10192	0. 033	0. 091	0. 001957	Opc-G	TRIM25
EFCAB14. 5	1. 32E-07	-0. 16891	0. 122	0. 209	0. 001968	Opc-G	EFCAB14
MICA. 3	1. 35E-07	-0. 13189	0. 005	0. 047	0. 002021	Opc-G	MICA
ADAM10. 6	1. 36E-07	-0. 22596	0. 107	0. 189	0. 002033	Opc-G	ADAM10
AURKB. 9	1. 36E-07	-0. 17268	0. 008	0. 051	0. 002037	Opc-G	AURKB
RASSF7. 7	1. 38E-07	-0. 13738	0. 022	0. 074	0. 002064	Opc-G	RASSF7
DYNLL2. 1C	1. 39E-07	0. 203019	0. 266	0. 202	0. 002081	Opc-G	DYNLL2
POLR3A. 1	1. 41E-07	0. 133994	0. 102	0. 057	0. 002114	Opc-G	POLR3A
KLF3. 3	1. 42E-07	-0. 16947	0. 131	0. 22	0. 002118	Opc-G	KLF3
ZBED3. 7	1. 42E-07	0. 200687	0. 137	0. 085	0. 00212	Opc-G	ZBED3
MTDH. 5	1. 44E-07	0. 123561	0. 695	0. 604	0. 002149	Opc-G	MTDH
CTD-2035E	1. 46E-07	0. 111149	0. 049	0. 02	0. 002179	Opc-G	CTD-2035E11. 4
ARL1. 5	1. 46E-07	-0. 21558	0. 213	0. 32	0. 002186	Opc-G	ARL1
SEPT5. 1	1. 47E-07	0. 109302	0. 064	0. 03	0. 002194	Opc-G	5-Sep
H6PD. 2	1. 48E-07	-0. 13457	0. 038	0. 098	0. 002214	Opc-G	H6PD
ZBTB7B. 5	1. 48E-07	-0. 12769	0. 004	0. 044	0. 002215	Opc-G	ZBTB7B
CD180. 9	1. 52E-07	-0. 15718	0. 001	0. 039	0. 002264	Opc-G	CD180
TBC1D12. 8	1. 52E-07	-0. 19504	0. 049	0. 111	0. 002276	Opc-G	TBC1D12
MAFB. 8	1. 55E-07	-0. 37572	0. 264	0. 318	0. 002319	Opc-G	MAFB
ERAP2. 2	1. 57E-07	-0. 12755	0. 027	0. 082	0. 002353	Opc-G	ERAP2

TIMM10B. 4	1. 60E-07	-0. 17111	0. 098	0. 181	0. 002385	Opc-G	TIMM10B
RFXAP. 5	1. 61E-07	0. 180938	0. 146	0. 092	0. 002406	Opc-G	RFXAP
RCAN2. 7	1. 61E-07	-0. 17321	0. 005	0. 046	0. 002407	Opc-G	RCAN2
PTGR1. 5	1. 63E-07	-0. 2306	0. 108	0. 191	0. 002433	Opc-G	PTGR1
CRYBB1. 8	1. 67E-07	-0. 19708	0. 004	0. 044	0. 00249	Opc-G	CRYBB1
ID4. 9	1. 68E-07	-0. 24256	0. 141	0. 22	0. 002518	Opc-G	ID4
U73166. 2.	1. 70E-07	0. 126195	0. 059	0. 026	0. 002547	Opc-G	U73166. 2
RGMA. 9	1. 70E-07	0. 235811	0. 261	0. 196	0. 002547	Opc-G	RGMA
CTC-459F4	1. 71E-07	0. 15019	0. 108	0. 062	0. 002559	Opc-G	CTC-459F4. 3
IFI27L1. 6	1. 71E-07	0. 213426	0. 243	0. 182	0. 002561	Opc-G	IFI27L1
TPCN1. 7	1. 72E-07	-0. 17956	0. 036	0. 093	0. 002565	Opc-G	TPCN1
ARL11. 9	1. 74E-07	-0. 17061	0. 003	0. 041	0. 0026	Opc-G	ARL11
PIM3. 8	1. 76E-07	-0. 22111	0. 116	0. 195	0. 002629	Opc-G	PIM3
FAM122B. 2	1. 78E-07	-0. 1521	0. 042	0. 103	0. 002654	Opc-G	FAM122B
HSF1. 3	1. 78E-07	0. 17498	0. 337	0. 274	0. 002656	Opc-G	HSF1
NCAPG. 8	1. 79E-07	-0. 10771	0. 004	0. 044	0. 002679	Opc-G	NCAPG
RP11-76E1	1. 80E-07	-0. 21188	0. 001	0. 039	0. 002689	Opc-G	RP11-76E17. 3
STYXL1. 4	1. 82E-07	0. 172858	0. 184	0. 123	0. 002722	Opc-G	STYXL1
ABI1. 10	1. 84E-07	-0. 24825	0. 157	0. 246	0. 002756	Opc-G	ABI1
LRRC26. 1	1. 86E-07	0. 108469	0. 046	0. 019	0. 002773	Opc-G	LRRC26
PLK1. 7	1. 89E-07	-0. 178	0. 012	0. 057	0. 002824	Opc-G	PLK1
PI3. 6	1. 91E-07	-0. 38901	0. 011	0. 055	0. 00286	Opc-G	PI3
ZNF862	1. 93E-07	0. 114366	0. 06	0. 027	0. 002885	Opc-G	ZNF862
FIGN. 7	1. 94E-07	0. 17285	0. 135	0. 084	0. 002896	Opc-G	FIGN
FAM200B. 6	2. 08E-07	0. 127287	0. 429	0. 362	0. 003111	Opc-G	FAM200B
COX17. 5	2. 10E-07	-0. 27857	0. 417	0. 525	0. 003137	Opc-G	COX17
NT5DC1. 5	2. 13E-07	-0. 20125	0. 011	0. 055	0. 003177	Opc-G	NT5DC1
SLC35B2. 6	2. 16E-07	0. 17042	0. 362	0. 296	0. 00322	Opc-G	SLC35B2
ZNF789. 4	2. 18E-07	0. 15332	0. 127	0. 076	0. 003255	Opc-G	ZNF789
TNF. 7	2. 19E-07	-0. 21501	0. 005	0. 045	0. 003278	Opc-G	TNF
TMEM158. 9	2. 20E-07	-0. 13014	0. 071	0. 144	0. 003283	Opc-G	TMEM158
TCEAL6. 6	2. 23E-07	0. 168588	0. 07	0. 033	0. 003336	Opc-G	TCEAL6
SH3KBP1. 1	2. 24E-07	-0. 21519	0. 161	0. 246	0. 003343	Opc-G	SH3KBP1
WBP4. 7	2. 26E-07	0. 162843	0. 363	0. 301	0. 003378	Opc-G	WBP4
IMMP2L. 8	2. 27E-07	0. 175617	0. 204	0. 141	0. 003387	Opc-G	IMMP2L
DRAM1. 7	2. 28E-07	-0. 1324	0. 025	0. 077	0. 003409	Opc-G	DRAM1
CTB-61M7.	2. 29E-07	-0. 20098	0. 003	0. 041	0. 003419	Opc-G	CTB-61M7. 2
RNASE3. 8	2. 33E-07	-0. 20849	0	0. 035	0. 003476	Opc-G	RNASE3
B3GALT4. 6	2. 36E-07	-0. 15103	0. 005	0. 045	0. 003521	Opc-G	B3GALT4
RFX4. 8	2. 36E-07	0. 201508	0. 206	0. 147	0. 003534	Opc-G	RFX4
CMPK2. 6	2. 40E-07	-0. 15231	0. 014	0. 059	0. 00358	Opc-G	CMPK2
SPAG4. 6	2. 40E-07	-0. 18662	0. 008	0. 05	0. 003588	Opc-G	SPAG4
UBE2D1. 6	2. 40E-07	-0. 15832	0. 173	0. 273	0. 003594	Opc-G	UBE2D1
PIK3R5. 9	2. 42E-07	-0. 18555	0. 008	0. 05	0. 003624	Opc-G	PIK3R5
GIT2. 7	2. 43E-07	-0. 19723	0. 085	0. 158	0. 003631	Opc-G	GIT2
ATG7. 6	2. 43E-07	-0. 18316	0. 052	0. 115	0. 003631	Opc-G	ATG7
UAP1. 6	2. 43E-07	-0. 18133	0. 108	0. 19	0. 003632	Opc-G	UAP1
STAT5A. 8	2. 44E-07	-0. 16161	0. 011	0. 055	0. 003644	Opc-G	STAT5A
MKI67. 9	2. 44E-07	-0. 17495	0. 018	0. 066	0. 003648	Opc-G	MKI67
RP11-545E	2. 46E-07	-0. 10501	0. 01	0. 053	0. 003681	Opc-G	RP11-545E17. 3
APIP. 7	2. 47E-07	-0. 22748	0. 15	0. 239	0. 003686	Opc-G	APIP

NR4A1.9	2.47E-07	-0.40708	0.214	0.277	0.003695	Opc-G	NR4A1
BCAP31.6	2.48E-07	-0.26508	0.534	0.624	0.003712	Opc-G	BCAP31
FHL3.5	2.51E-07	-0.12898	0.086	0.164	0.003745	Opc-G	FHL3
RPN1.5	2.51E-07	-0.26416	0.305	0.417	0.003756	Opc-G	RPN1
TPX2.9	2.52E-07	-0.1892	0.031	0.086	0.003759	Opc-G	TPX2
HS2ST1.9	2.53E-07	-0.13434	0.098	0.18	0.003774	Opc-G	HS2ST1
ZNF286B.1	2.53E-07	0.114373	0.07	0.034	0.003777	Opc-G	ZNF286B
LPIN2.5	2.54E-07	-0.16321	0.081	0.154	0.003789	Opc-G	LPIN2
GLRB.6	2.58E-07	0.192643	0.1	0.057	0.003853	Opc-G	GLRB
SEC14L1.6	2.60E-07	-0.17367	0.197	0.298	0.003882	Opc-G	SEC14L1
CTNS.2	2.61E-07	-0.11466	0.031	0.087	0.003895	Opc-G	CTNS
EFNA4.2	2.61E-07	-0.11996	0.005	0.045	0.003902	Opc-G	EFNA4
SUSD4.7	2.61E-07	0.168247	0.077	0.039	0.003904	Opc-G	SUSD4
LUZP1.3	2.65E-07	-0.19527	0.112	0.193	0.003964	Opc-G	LUZP1
CMSS1.7	2.71E-07	0.183977	0.347	0.286	0.004052	Opc-G	CMSS1
ZNF783.2	2.76E-07	0.15996	0.098	0.055	0.00412	Opc-G	ZNF783
UPF3B.7	2.76E-07	0.151052	0.318	0.247	0.00412	Opc-G	UPF3B
ZBED5.8	2.83E-07	0.181541	0.238	0.175	0.004235	Opc-G	ZBED5
PATZ1.3	2.84E-07	0.160496	0.131	0.081	0.00424	Opc-G	PATZ1
EHD4.9	2.87E-07	-0.18502	0.038	0.095	0.004283	Opc-G	EHD4
CLEC9A.8	2.90E-07	-0.22172	0	0.035	0.004334	Opc-G	CLEC9A
EIF2S3.6	2.90E-07	-0.22017	0.204	0.301	0.004335	Opc-G	EIF2S3
CSGALNACT	2.92E-07	-0.16106	0.04	0.097	0.004366	Opc-G	CSGALNACT2
SNAI1.8	2.94E-07	-0.18168	0.007	0.047	0.004398	Opc-G	SNAI1
CBX4.10	2.95E-07	0.19644	0.168	0.112	0.004402	Opc-G	CBX4
RAB42.6	3.04E-07	-0.13751	0.01	0.052	0.004543	Opc-G	RAB42
RALB.7	3.05E-07	-0.19038	0.087	0.162	0.004552	Opc-G	RALB
TMEM179B	3.06E-07	-0.23526	0.316	0.42	0.004572	Opc-G	TMEM179B
MAPK1IP1L	3.06E-07	0.112642	0.436	0.372	0.004572	Opc-G	MAPK1IP1L
B3GNT2.8	3.07E-07	-0.13547	0.02	0.069	0.004587	Opc-G	B3GNT2
FAM66C.4	3.11E-07	0.130797	0.078	0.04	0.004642	Opc-G	FAM66C
TGM2.5	3.18E-07	-0.13801	0.003	0.04	0.004758	Opc-G	TGM2
SSH3	3.19E-07	-0.10952	0.014	0.059	0.004774	Opc-G	SSH3
CCNB1IP1	3.26E-07	0.180109	0.223	0.161	0.004873	Opc-G	CCNB1IP1
TICAM1.2	3.26E-07	-0.13211	0.037	0.094	0.004878	Opc-G	TICAM1
TPD52L2.7	3.32E-07	-0.21451	0.23	0.33	0.004958	Opc-G	TPD52L2
FBXW5.7	3.32E-07	-0.19043	0.195	0.294	0.004965	Opc-G	FBXW5
RGS12.9	3.33E-07	0.153213	0.339	0.266	0.004975	Opc-G	RGS12
CCDC112.9	3.34E-07	0.231746	0.316	0.257	0.004986	Opc-G	CCDC112
ABCA8.8	3.36E-07	-0.20628	0.026	0.078	0.005015	Opc-G	ABCA8
KDM5B.9	3.36E-07	0.198856	0.219	0.158	0.00502	Opc-G	KDM5B
UBE2R2.7	3.41E-07	0.163367	0.347	0.282	0.00509	Opc-G	UBE2R2
ASPM.10	3.43E-07	-0.14877	0.008	0.049	0.005132	Opc-G	ASPM
VPS13C.3	3.44E-07	-0.17063	0.101	0.179	0.005143	Opc-G	VPS13C
UST	3.44E-07	0.101293	0.067	0.032	0.005145	Opc-G	UST
DPAGT1.4	3.47E-07	-0.19419	0.077	0.147	0.005185	Opc-G	DPAGT1
PLCB2.10	3.50E-07	-0.22165	0.018	0.064	0.005234	Opc-G	PLCB2
OSTM1.5	3.51E-07	-0.17466	0.146	0.234	0.005244	Opc-G	OSTM1
CPS1.1	3.52E-07	0.106798	0.03	0.01	0.005254	Opc-G	CPS1
FUT11.2	3.53E-07	-0.12661	0.025	0.076	0.005268	Opc-G	FUT11
RIMKLB.8	3.54E-07	0.171889	0.208	0.147	0.005287	Opc-G	RIMKLB

PPP2R5E.7	3.56E-07	0.192912	0.305	0.243	0.005326	Opc-G	PPP2R5E
PAK1.9	3.57E-07	-0.31704	0.107	0.174	0.005332	Opc-G	PAK1
NAGPA.5	3.57E-07	-0.13765	0.051	0.113	0.005339	Opc-G	NAGPA
PPP2R2B.8	3.60E-07	0.150673	0.281	0.215	0.005372	Opc-G	PPP2R2B
OSBPL3.2	3.60E-07	-0.13598	0.023	0.073	0.00538	Opc-G	OSBPL3
ZWINT.7	3.63E-07	-0.18684	0.04	0.096	0.005426	Opc-G	ZWINT
TAPT1-AS1	3.63E-07	0.176443	0.101	0.058	0.00543	Opc-G	TAPT1-AS1
MATN2.7	3.67E-07	0.122287	0.109	0.063	0.005491	Opc-G	MATN2
NCK1.3	3.77E-07	-0.18342	0.156	0.25	0.00563	Opc-G	NCK1
DTYMK.9	3.77E-07	0.134995	0.399	0.325	0.005632	Opc-G	DTYMK
RP11-536K	3.88E-07	-0.2134	0.003	0.039	0.005802	Opc-G	RP11-536K7.3
ANKRD6.2	3.90E-07	0.163285	0.085	0.045	0.005834	Opc-G	ANKRD6
FAM64A.1C	3.91E-07	-0.19356	0.023	0.072	0.005836	Opc-G	FAM64A
CBLN4.10	3.95E-07	-0.10684	0.029	0.082	0.005898	Opc-G	CBLN4
SLC16A1.8	3.95E-07	0.120495	0.299	0.229	0.005908	Opc-G	SLC16A1
FRMD3.7	3.96E-07	-0.13322	0.014	0.058	0.005915	Opc-G	FRMD3
NT5E.5	3.98E-07	0.114876	0.104	0.059	0.005949	Opc-G	NT5E
GOLGB1.3	3.99E-07	-0.17322	0.153	0.246	0.005969	Opc-G	GOLGB1
GNG7.9	4.05E-07	-0.17453	0.206	0.305	0.00605	Opc-G	GNG7
BBOX1.9	4.10E-07	-0.12968	0.07	0.142	0.006131	Opc-G	BBOX1
NCEH1.8	4.10E-07	-0.12706	0.022	0.071	0.006132	Opc-G	NCEH1
MXD4.5	4.11E-07	0.180986	0.249	0.184	0.006142	Opc-G	MXD4
RRM2.9	4.20E-07	-0.21054	0.019	0.065	0.00628	Opc-G	RRM2
CD52.8	4.22E-07	-0.35375	0.012	0.055	0.006303	Opc-G	CD52
TMEM106A	4.23E-07	-0.20114	0.019	0.066	0.006324	Opc-G	TMEM106A
HDAC1.5	4.29E-07	-0.18431	0.142	0.231	0.006415	Opc-G	HDAC1
KLHL6.9	4.29E-07	-0.22282	0.011	0.053	0.006416	Opc-G	KLHL6
ITFG2.2	4.29E-07	0.146279	0.163	0.107	0.006418	Opc-G	ITFG2
LYSMD2.6	4.32E-07	-0.15917	0.116	0.198	0.006455	Opc-G	LYSMD2
SNAPIN.2	4.39E-07	0.117756	0.434	0.373	0.006558	Opc-G	SNAPIN
ZDHHC6.5	4.43E-07	-0.17015	0.096	0.173	0.006624	Opc-G	ZDHHC6
ACADS.3	4.54E-07	-0.12896	0.057	0.122	0.006786	Opc-G	ACADS
PRMT6.3	4.60E-07	0.164218	0.139	0.089	0.006875	Opc-G	PRMT6
SSH1.4	4.65E-07	-0.15318	0.033	0.087	0.006947	Opc-G	SSH1
NOP56.5	4.70E-07	0.138434	0.471	0.41	0.007017	Opc-G	NOP56
CAMK2D.7	4.70E-07	-0.16276	0.158	0.249	0.007025	Opc-G	CAMK2D
SKA2.8	4.78E-07	0.159135	0.37	0.302	0.007137	Opc-G	SKA2
CPSF3.3	4.85E-07	0.184016	0.234	0.172	0.007241	Opc-G	CPSF3
GMDS.4	4.85E-07	-0.11397	0.037	0.093	0.007244	Opc-G	GMDS
SLC35A2.3	4.86E-07	-0.16004	0.094	0.171	0.007265	Opc-G	SLC35A2
RALA.7	4.91E-07	0.155367	0.421	0.356	0.007333	Opc-G	RALA
FAM72A.5	4.94E-07	-0.14279	0.005	0.044	0.007377	Opc-G	FAM72A
GINM1.2	4.99E-07	-0.1517	0.198	0.303	0.007451	Opc-G	GINM1
DNAJB12.7	5.03E-07	-0.20151	0.082	0.152	0.007516	Opc-G	DNAJB12
ENPP4.6	5.03E-07	-0.1729	0.014	0.057	0.007517	Opc-G	ENPP4
ANLN.9	5.04E-07	-0.22845	0.019	0.065	0.007529	Opc-G	ANLN
MYL9.3	5.10E-07	-0.14467	0.001	0.036	0.007625	Opc-G	MYL9
SENP2.5	5.20E-07	0.196857	0.186	0.129	0.007778	Opc-G	SENP2
ZKSCAN5.6	5.22E-07	0.144074	0.108	0.063	0.007802	Opc-G	ZKSCAN5
C22orf39	5.23E-07	0.193003	0.316	0.256	0.007815	Opc-G	C22orf39
FECH.1	5.30E-07	-0.13407	0.06	0.125	0.007919	Opc-G	FECH

TTC28.7	5.30E-07	0.19892	0.142	0.092	0.007927	Opc-G	TTC28
GPR75-ASE	5.32E-07	0.17997	0.133	0.083	0.007944	Opc-G	GPR75-ASB3
MMD.7	5.41E-07	-0.22551	0.167	0.25	0.008088	Opc-G	MMD
MTA1.7	5.43E-07	0.242955	0.242	0.187	0.008113	Opc-G	MTA1
KIAA0930.	5.52E-07	-0.23927	0.082	0.149	0.00825	Opc-G	KIAA0930
RASD1.7	5.53E-07	0.205161	0.193	0.13	0.008263	Opc-G	RASD1
CLN8.7	5.53E-07	-0.32601	0.195	0.274	0.008266	Opc-G	CLN8
MBIP.8	5.61E-07	0.182753	0.236	0.176	0.008388	Opc-G	MBIP
VPS37B.8	5.64E-07	0.150208	0.317	0.25	0.008422	Opc-G	VPS37B
RBP7.5	5.65E-07	-0.21912	0.008	0.048	0.008436	Opc-G	RBP7
LY6H.9	5.65E-07	-0.21472	0.036	0.089	0.008446	Opc-G	LY6H
ARL6IP6.5	5.75E-07	0.17716	0.339	0.277	0.008588	Opc-G	ARL6IP6
SIPA1L2.3	5.75E-07	-0.15202	0.061	0.126	0.008588	Opc-G	SIPA1L2
MAPKAPK5-	5.78E-07	0.157083	0.283	0.219	0.008639	Opc-G	MAPKAPK5-AS1
MBOAT2.9	5.80E-07	0.172423	0.238	0.178	0.008661	Opc-G	MBOAT2
ITGAE.3	5.87E-07	0.104154	0.429	0.36	0.008767	Opc-G	ITGAE
DHODH.4	5.87E-07	0.18535	0.127	0.079	0.008768	Opc-G	DHODH
SETX.5	5.87E-07	-0.16755	0.096	0.171	0.008776	Opc-G	SETX
ATP13A3.6	5.89E-07	-0.17368	0.085	0.155	0.008799	Opc-G	ATP13A3
GATAD1.4	5.90E-07	0.169799	0.258	0.197	0.008822	Opc-G	GATAD1
RARA.5	5.94E-07	0.165882	0.145	0.092	0.008876	Opc-G	RARA
PTP4A1.5	5.97E-07	0.12467	0.467	0.403	0.008916	Opc-G	PTP4A1
COLEC12.2	6.01E-07	-0.1451	0.001	0.036	0.008978	Opc-G	COLEC12
ACTR2.10	6.04E-07	-0.24643	0.37	0.465	0.00903	Opc-G	ACTR2
DPEP2.8	6.09E-07	-0.17589	0.001	0.036	0.009108	Opc-G	DPEP2
SEC61G.1C	6.10E-07	-0.3115	0.857	0.795	0.009109	Opc-G	SEC61G
ZNF670.1	6.17E-07	0.105973	0.085	0.045	0.009223	Opc-G	ZNF670
HERC5.4	6.17E-07	-0.13008	0.026	0.076	0.009225	Opc-G	HERC5
IGDCC3.1C	6.18E-07	0.181068	0.102	0.06	0.00923	Opc-G	IGDCC3
STK32B.4	6.21E-07	0.21794	0.101	0.059	0.009282	Opc-G	STK32B
GYG1.6	6.24E-07	-0.24376	0.171	0.26	0.009329	Opc-G	GYG1
MINK1.5	6.26E-07	-0.16726	0.049	0.108	0.009355	Opc-G	MINK1
SF3B3.4	6.30E-07	0.183882	0.246	0.186	0.009415	Opc-G	SF3B3
SNX2.10	6.34E-07	-0.25434	0.318	0.416	0.009468	Opc-G	SNX2
B4GALT5.7	6.34E-07	-0.14155	0.12	0.201	0.009469	Opc-G	B4GALT5
GMCL1.6	6.39E-07	0.196736	0.213	0.155	0.009551	Opc-G	GMCL1
BAIAP2.5	6.40E-07	-0.14109	0.117	0.202	0.009561	Opc-G	BAIAP2
TUBA4A.5	6.44E-07	-0.23123	0.014	0.057	0.009629	Opc-G	TUBA4A
KDM4B.6	6.49E-07	0.187627	0.184	0.128	0.009698	Opc-G	KDM4B
GPATCH4.4	6.52E-07	0.206299	0.247	0.189	0.009744	Opc-G	GPATCH4
STK17A.8	6.56E-07	-0.18504	0.201	0.3	0.009804	Opc-G	STK17A
CDK5RAP2.	6.56E-07	-0.16067	0.055	0.117	0.00981	Opc-G	CDK5RAP2
SYNJ2.5	6.58E-07	-0.11327	0.008	0.048	0.009831	Opc-G	SYNJ2
AKAP12.1C	6.71E-07	-0.22127	0.116	0.192	0.010026	Opc-G	AKAP12
TRAPPC2.2	6.75E-07	0.16936	0.145	0.093	0.010093	Opc-G	TRAPPC2
CCDC170.4	6.83E-07	-0.13012	0.008	0.048	0.01021	Opc-G	CCDC170
DESI1.4	6.88E-07	-0.15898	0.102	0.18	0.01028	Opc-G	DESI1
STX7.8	6.94E-07	-0.26705	0.187	0.273	0.010375	Opc-G	STX7
NUF2.10	6.96E-07	-0.16288	0.019	0.065	0.010405	Opc-G	NUF2
CCDC69.8	7.04E-07	-0.13751	0.003	0.038	0.010526	Opc-G	CCDC69
GCLM.4	7.06E-07	-0.12949	0.089	0.163	0.010556	Opc-G	GCLM

ZNF16.4	7.12E-07	0.180831	0.108	0.064	0.010642	Opc-G	ZNF16
ZNF106.8	7.13E-07	-0.18984	0.171	0.263	0.010657	Opc-G	ZNF106
TREX1.2	7.14E-07	-0.128	0.055	0.117	0.010663	Opc-G	TREX1
FSD1.8	7.14E-07	0.226066	0.206	0.151	0.010665	Opc-G	FSD1
ARID1A.6	7.19E-07	0.172625	0.301	0.238	0.010741	Opc-G	ARID1A
SH3D19.2	7.36E-07	0.110956	0.104	0.06	0.010993	Opc-G	SH3D19
B3GNTL1.3	7.43E-07	-0.10866	0.018	0.063	0.011102	Opc-G	B3GNTL1
ABCC4.6	7.48E-07	-0.11889	0.008	0.047	0.011181	Opc-G	ABCC4
P2RY6.9	7.50E-07	-0.13728	0.001	0.035	0.011207	Opc-G	P2RY6
TRIM14.7	7.51E-07	-0.12053	0.04	0.096	0.011222	Opc-G	TRIM14
GDF15.9	7.55E-07	-0.21108	0.025	0.073	0.01129	Opc-G	GDF15
FBXO31.2	7.63E-07	0.15299	0.093	0.052	0.011402	Opc-G	FBXO31
TMEM237.7	7.65E-07	0.237553	0.24	0.183	0.011433	Opc-G	TMEM237
LOX.7	7.67E-07	-0.19257	0.008	0.047	0.011461	Opc-G	LOX
GPR137B.6	7.70E-07	-0.17905	0.149	0.235	0.011506	Opc-G	GPR137B
NMB.9	7.71E-07	-0.18556	0.127	0.207	0.011521	Opc-G	NMB
USP22.9	7.72E-07	0.155893	0.377	0.315	0.011536	Opc-G	USP22
NR3C1.6	7.86E-07	0.187905	0.303	0.245	0.011742	Opc-G	NR3C1
EAF2.10	7.88E-07	-0.21068	0.041	0.096	0.011773	Opc-G	EAF2
LUCAT1.3	7.88E-07	-0.15036	0.003	0.038	0.011779	Opc-G	LUCAT1
CRTAP.10	7.93E-07	-0.18717	0.156	0.242	0.011852	Opc-G	CRTAP
TXNDC12.6	7.97E-07	-0.25402	0.337	0.438	0.011916	Opc-G	TXNDC12
NPC1.2	8.07E-07	-0.16538	0.049	0.108	0.012062	Opc-G	NPC1
SYAP1.9	8.08E-07	-0.23312	0.292	0.393	0.012078	Opc-G	SYAP1
GLI4.6	8.09E-07	0.200613	0.16	0.108	0.012084	Opc-G	GLI4
KIAA1191.8	8.11E-07	0.161835	0.317	0.261	0.012113	Opc-G	KIAA1191
NIPAL3.5	8.23E-07	-0.18887	0.033	0.084	0.012302	Opc-G	NIPAL3
CST7.6	8.28E-07	-0.20686	0.003	0.037	0.012378	Opc-G	CST7
SSR1.8	8.43E-07	-0.25508	0.372	0.475	0.012599	Opc-G	SSR1
SPRYD3	8.44E-07	-0.13968	0.033	0.085	0.012619	Opc-G	SPRYD3
AP1G2.8	8.50E-07	-0.16878	0.012	0.054	0.01271	Opc-G	AP1G2
P4HB.6	8.55E-07	-0.20375	0.542	0.574	0.01277	Opc-G	P4HB
ECHDC3.8	8.59E-07	-0.14105	0.001	0.035	0.01284	Opc-G	ECHDC3
ARRDC4.2	8.59E-07	0.138974	0.111	0.065	0.012842	Opc-G	ARRDC4
C19orf48.8	8.74E-07	0.186518	0.284	0.223	0.013055	Opc-G	C19orf48
NUDT5.5	8.75E-07	-0.18842	0.208	0.313	0.013072	Opc-G	NUDT5
CSRP2.8	8.78E-07	-0.39874	0.225	0.306	0.013123	Opc-G	CSRP2
WDFY2.3	8.91E-07	-0.11779	0.034	0.087	0.013315	Opc-G	WDFY2
DSC2.8	8.98E-07	-0.13722	0.001	0.035	0.013423	Opc-G	DSC2
SOX12.9	9.05E-07	0.212512	0.163	0.112	0.013522	Opc-G	SOX12
FOXO3.6	9.06E-07	0.143597	0.335	0.268	0.013536	Opc-G	FOXO3
FBXO11.8	9.12E-07	0.183114	0.265	0.202	0.013628	Opc-G	FBXO11
SDC3.6	9.13E-07	0.185238	0.253	0.192	0.013645	Opc-G	SDC3
ZFP41	9.15E-07	0.13374	0.049	0.022	0.013669	Opc-G	ZFP41
C3orf58.3	9.30E-07	-0.12936	0.038	0.093	0.013894	Opc-G	C3orf58
MARCH7.4	9.54E-07	0.169808	0.311	0.251	0.014263	Opc-G	7-Mar
RMND5A.5	9.61E-07	0.141164	0.176	0.119	0.014366	Opc-G	RMND5A
CEP135.4	9.70E-07	0.169936	0.124	0.077	0.014498	Opc-G	CEP135
PURB.3	9.85E-07	0.197517	0.223	0.165	0.014724	Opc-G	PURB
MED24.7	9.97E-07	0.175861	0.223	0.165	0.014895	Opc-G	MED24
LARP4B.4	1.00E-06	-0.10561	0.038	0.093	0.014977	Opc-G	LARP4B

CELF2. 10	1. 01E-06	-0. 26668	0. 299	0. 389	0. 015031	Opc-G	CELF2
TFAP4. 1	1. 01E-06	0. 128182	0. 092	0. 051	0. 015151	Opc-G	TFAP4
GART. 5	1. 02E-06	0. 181745	0. 255	0. 196	0. 015213	Opc-G	GART
TYW1. 4	1. 02E-06	0. 198839	0. 169	0. 116	0. 015307	Opc-G	TYW1
NKTR. 6	1. 02E-06	0. 13559	0. 415	0. 353	0. 01531	Opc-G	NKTR
FUBP3. 5	1. 03E-06	0. 185464	0. 294	0. 236	0. 01541	Opc-G	FUBP3
DHFRL1. 5	1. 04E-06	0. 152526	0. 107	0. 063	0. 015485	Opc-G	DHFRL1
TSR3. 6	1. 05E-06	0. 191246	0. 331	0. 272	0. 015665	Opc-G	TSR3
CENPN. 6	1. 08E-06	-0. 14047	0. 037	0. 091	0. 016092	Opc-G	CENPN
ICA1. 5	1. 08E-06	0. 114496	0. 167	0. 11	0. 016191	Opc-G	ICA1
OAS3. 4	1. 08E-06	-0. 12596	0. 014	0. 056	0. 0162	Opc-G	OAS3
SLC17A9. 9	1. 09E-06	-0. 1312	0	0. 032	0. 016241	Opc-G	SLC17A9
SRPX2. 8	1. 09E-06	-0. 12821	0. 016	0. 06	0. 016259	Opc-G	SRPX2
PIGP. 2	1. 09E-06	-0. 20424	0. 148	0. 235	0. 016274	Opc-G	PIGP
PQLC1. 6	1. 09E-06	-0. 10851	0. 071	0. 138	0. 016345	Opc-G	PQLC1
B4GALNT4. 1	1. 10E-06	0. 162982	0. 079	0. 043	0. 016473	Opc-G	B4GALNT4
CHMP1B. 7	1. 11E-06	-0. 28039	0. 351	0. 443	0. 01661	Opc-G	CHMP1B
ALDOC. 6	1. 11E-06	0. 185976	0. 214	0. 151	0. 016652	Opc-G	ALDOC
HJURP. 8	1. 12E-06	-0. 12699	0. 005	0. 042	0. 016724	Opc-G	HJURP
MXD3. 9	1. 13E-06	-0. 14609	0. 02	0. 066	0. 016862	Opc-G	MXD3
TMX2. 3	1. 13E-06	0. 106179	0. 454	0. 394	0. 016889	Opc-G	TMX2
IWS1. 5	1. 14E-06	0. 18759	0. 268	0. 209	0. 016971	Opc-G	IWS1
SFT2D2. 5	1. 14E-06	-0. 17573	0. 083	0. 152	0. 017045	Opc-G	SFT2D2
ICAM2. 9	1. 14E-06	-0. 17487	0. 003	0. 037	0. 017088	Opc-G	ICAM2
TARDBP. 4	1. 15E-06	0. 140861	0. 351	0. 29	0. 017213	Opc-G	TARDBP
CLTB. 8	1. 16E-06	0. 134975	0. 497	0. 437	0. 017397	Opc-G	CLTB
ZIK1. 4	1. 17E-06	0. 134197	0. 089	0. 049	0. 017531	Opc-G	ZIK1
TK2. 4	1. 17E-06	-0. 14845	0. 064	0. 128	0. 017548	Opc-G	TK2
SLC17A5. 6	1. 17E-06	-0. 18726	0. 052	0. 109	0. 017552	Opc-G	SLC17A5
PLXNA3. 5	1. 19E-06	0. 134982	0. 107	0. 063	0. 01777	Opc-G	PLXNA3
DGKZ. 3	1. 19E-06	-0. 12007	0. 119	0. 201	0. 017775	Opc-G	DGKZ
TROAP. 9	1. 19E-06	-0. 11176	0. 01	0. 049	0. 01784	Opc-G	TROAP
LINC00685	1. 20E-06	0. 180846	0. 202	0. 146	0. 017926	Opc-G	LINC00685
USE1. 9	1. 20E-06	0. 12777	0. 389	0. 326	0. 017969	Opc-G	USE1
SPAG9. 8	1. 22E-06	0. 153651	0. 411	0. 349	0. 018183	Opc-G	SPAG9
CRB2. 7	1. 22E-06	-0. 14228	0. 008	0. 046	0. 018227	Opc-G	CRB2
TRIM36. 1C	1. 22E-06	0. 192527	0. 238	0. 178	0. 018261	Opc-G	TRIM36
THUMP2. 1	1. 22E-06	0. 129977	0. 137	0. 087	0. 018283	Opc-G	THUMP2
IL2RA. 8	1. 23E-06	-0. 23727	0. 001	0. 034	0. 01831	Opc-G	IL2RA
SEL1L. 5	1. 23E-06	-0. 13106	0. 102	0. 178	0. 018342	Opc-G	SEL1L
ORC4. 9	1. 23E-06	0. 191105	0. 29	0. 231	0. 018349	Opc-G	ORC4
CHEK2. 4	1. 23E-06	-0. 16289	0. 011	0. 051	0. 018377	Opc-G	CHEK2
FABP3. 5	1. 24E-06	-0. 16654	0. 011	0. 051	0. 018499	Opc-G	FABP3
PSENN. 6	1. 24E-06	-0. 26662	0. 392	0. 499	0. 018506	Opc-G	PSENN
NME3. 4	1. 24E-06	-0. 2216	0. 329	0. 423	0. 018512	Opc-G	NME3
GEM. 5	1. 25E-06	-0. 23922	0. 045	0. 1	0. 01866	Opc-G	GEM
GOT2. 6	1. 26E-06	0. 200757	0. 25	0. 193	0. 018775	Opc-G	GOT2
UBN2. 6	1. 26E-06	0. 148209	0. 158	0. 106	0. 01881	Opc-G	UBN2
LGALS8. 6	1. 27E-06	-0. 1817	0. 087	0. 156	0. 018906	Opc-G	LGALS8
UNC50. 4	1. 27E-06	0. 104657	0. 41	0. 351	0. 019018	Opc-G	UNC50
LIFR. 7	1. 28E-06	0. 230047	0. 156	0. 107	0. 019121	Opc-G	LIFR

PPP1CA. 8	1. 29E-06	-0. 25531	0. 505	0. 576	0. 019218	Opc-G	PPP1CA
MFSD7. 8	1. 31E-06	-0. 12048	0. 001	0. 034	0. 019619	Opc-G	MFSD7
DLX1. 10	1. 32E-06	0. 166053	0. 171	0. 111	0. 01966	Opc-G	DLX1
ZNF253. 7	1. 32E-06	0. 176602	0. 127	0. 08	0. 019777	Opc-G	ZNF253
SPATC1L. 8	1. 33E-06	0. 217734	0. 245	0. 191	0. 019932	Opc-G	SPATC1L
FIBIN. 9	1. 35E-06	0. 230428	0. 283	0. 223	0. 020112	Opc-G	FIBIN
RNF141. 6	1. 36E-06	-0. 19998	0. 137	0. 219	0. 020271	Opc-G	RNF141
ECM1. 5	1. 38E-06	-0. 10306	0. 007	0. 044	0. 020569	Opc-G	ECM1
SH3GLB1. 6	1. 38E-06	-0. 25648	0. 347	0. 435	0. 020676	Opc-G	SH3GLB1
GPR173. 2	1. 40E-06	0. 108026	0. 067	0. 034	0. 020918	Opc-G	GPR173
TLR4. 8	1. 40E-06	-0. 17321	0. 007	0. 043	0. 02099	Opc-G	TLR4
TFRC. 8	1. 42E-06	-0. 25664	0. 141	0. 214	0. 021151	Opc-G	TFRC
OTOA. 7	1. 42E-06	-0. 13769	0. 001	0. 034	0. 021214	Opc-G	OTOA
ALPK1. 5	1. 43E-06	-0. 13239	0. 004	0. 039	0. 02135	Opc-G	ALPK1
TBPL1. 5	1. 43E-06	0. 169814	0. 275	0. 214	0. 021358	Opc-G	TBPL1
TAF9B. 6	1. 44E-06	0. 210421	0. 194	0. 141	0. 021506	Opc-G	TAF9B
IL1R2. 6	1. 46E-06	-0. 18166	0	0. 031	0. 021773	Opc-G	IL1R2
ZC3HAV1. 6	1. 48E-06	-0. 18419	0. 108	0. 181	0. 022113	Opc-G	ZC3HAV1
TRIM2. 8	1. 48E-06	0. 17952	0. 28	0. 22	0. 022164	Opc-G	TRIM2
CKAP2L. 9	1. 49E-06	-0. 12481	0. 01	0. 048	0. 022305	Opc-G	CKAP2L
AP3B2. 1	1. 50E-06	0. 101353	0. 053	0. 024	0. 022442	Opc-G	AP3B2
MARK3. 7	1. 50E-06	0. 154892	0. 343	0. 283	0. 022478	Opc-G	MARK3
TIGD1. 4	1. 55E-06	0. 145136	0. 104	0. 061	0. 023215	Opc-G	TIGD1
SPSB3. 5	1. 56E-06	0. 114668	0. 373	0. 3	0. 023306	Opc-G	SPSB3
BCAT1. 8	1. 56E-06	-0. 13886	0. 15	0. 237	0. 023355	Opc-G	BCAT1
PPP2CB. 1C	1. 58E-06	0. 174986	0. 351	0. 293	0. 023544	Opc-G	PPP2CB
EPRS. 6	1. 58E-06	0. 189126	0. 347	0. 29	0. 023584	Opc-G	EPRS
PIGH. 4	1. 58E-06	0. 164778	0. 262	0. 204	0. 02366	Opc-G	PIGH
ST3GAL6. 1	1. 59E-06	-0. 27277	0. 059	0. 115	0. 023694	Opc-G	ST3GAL6
C5orf30. 7	1. 59E-06	0. 147005	0. 119	0. 072	0. 023723	Opc-G	C5orf30
MMAB. 5	1. 60E-06	-0. 10147	0. 119	0. 202	0. 023954	Opc-G	MMAB
NAB2. 3	1. 61E-06	-0. 12016	0. 078	0. 146	0. 024099	Opc-G	NAB2
SEC24D. 4	1. 61E-06	-0. 11779	0. 041	0. 095	0. 024106	Opc-G	SEC24D
ENPP2. 4	1. 62E-06	-0. 2685	0. 01	0. 047	0. 024159	Opc-G	ENPP2
DENND1C. 8	1. 62E-06	-0. 16118	0. 003	0. 036	0. 024203	Opc-G	DENND1C
R3HCC1. 6	1. 63E-06	0. 19702	0. 336	0. 283	0. 024375	Opc-G	R3HCC1
HIPK3. 4	1. 65E-06	-0. 13049	0. 04	0. 093	0. 024645	Opc-G	HIPK3
RBM10. 5	1. 65E-06	0. 202726	0. 254	0. 199	0. 024714	Opc-G	RBM10
RAP2B. 9	1. 65E-06	-0. 18184	0. 1	0. 169	0. 024721	Opc-G	RAP2B
PCED1B. 8	1. 69E-06	-0. 16657	0. 004	0. 038	0. 025195	Opc-G	PCED1B
JDP2. 10	1. 70E-06	-0. 2324	0. 027	0. 073	0. 025365	Opc-G	JDP2
EPSTI1. 1C	1. 71E-06	-0. 27831	0. 07	0. 129	0. 025607	Opc-G	EPSTI1
CDCP1. 7	1. 71E-06	-0. 14143	0. 003	0. 036	0. 025615	Opc-G	CDCP1
BLOC1S2. 5	1. 73E-06	-0. 22865	0. 275	0. 375	0. 025886	Opc-G	BLOC1S2
FAM109A. 2	1. 74E-06	0. 127176	0. 09	0. 051	0. 026023	Opc-G	FAM109A
RP1-39G22	1. 78E-06	0. 198801	0. 179	0. 128	0. 026529	Opc-G	RP1-39G22. 7
CSRNP1. 1C	1. 79E-06	-0. 25979	0. 127	0. 195	0. 026756	Opc-G	CSRNP1
SNRK. 4	1. 79E-06	0. 161882	0. 13	0. 082	0. 026808	Opc-G	SNRK
SEN3	1. 80E-06	0. 108624	0. 07	0. 036	0. 026854	Opc-G	SEN3
NELFCD. 8	1. 81E-06	0. 136303	0. 396	0. 333	0. 026985	Opc-G	NELFCD
NAGLU	1. 83E-06	-0. 11249	0. 036	0. 087	0. 027303	Opc-G	NAGLU



BCL2. 5	1. 83E-06	-0. 16798	0. 012	0. 052	0. 027314	Opc-G	BCL2
LYPLA1. 5	1. 86E-06	0. 130538	0. 464	0. 403	0. 027862	Opc-G	LYPLA1
DCUN1D4. 5	1. 88E-06	0. 166803	0. 146	0. 097	0. 02811	Opc-G	DCUN1D4
ADCY7. 10	1. 89E-06	-0. 19377	0. 022	0. 066	0. 028207	Opc-G	ADCY7
TRIB3. 7	1. 89E-06	-0. 12191	0. 029	0. 077	0. 02831	Opc-G	TRIB3
CLDN15. 6	1. 90E-06	0. 115823	0. 104	0. 061	0. 02841	Opc-G	CLDN15
HPCAL1. 6	1. 90E-06	-0. 18464	0. 138	0. 215	0. 028458	Opc-G	HPCAL1
RBM4B. 7	1. 91E-06	0. 181058	0. 246	0. 188	0. 028584	Opc-G	RBM4B
COG8. 6	1. 92E-06	0. 164975	0. 137	0. 089	0. 028676	Opc-G	COG8
FBRS. 3	1. 94E-06	-0. 13079	0. 057	0. 117	0. 028936	Opc-G	FBRS
GNG3. 8	1. 94E-06	-0. 16192	0. 029	0. 076	0. 02902	Opc-G	GNG3
TMCC1. 7	1. 95E-06	0. 176537	0. 161	0. 11	0. 029193	Opc-G	TMCC1
NADSYN1. 4	1. 97E-06	-0. 12766	0. 061	0. 124	0. 029396	Opc-G	NADSYN1
RNF157. 8	1. 97E-06	0. 231423	0. 18	0. 131	0. 02945	Opc-G	RNF157
RP11-410L	1. 98E-06	0. 25821	0. 173	0. 125	0. 029642	Opc-G	RP11-410L14. 2
ABHD15. 9	1. 99E-06	-0. 14957	0. 018	0. 06	0. 029686	Opc-G	ABHD15
GNL3. 6	1. 99E-06	0. 116285	0. 403	0. 342	0. 029758	Opc-G	GNL3
GATAD2B. 8	2. 00E-06	0. 173401	0. 214	0. 157	0. 029827	Opc-G	GATAD2B
SVIP. 6	2. 01E-06	-0. 31889	0. 109	0. 173	0. 029996	Opc-G	SVIP
HIST1H2BK	2. 01E-06	-0. 2155	0. 138	0. 213	0. 03008	Opc-G	HIST1H2BK
RP3-47704	2. 03E-06	-0. 15091	0	0. 03	0. 030273	Opc-G	RP3-47704. 14
ITFG1. 6	2. 05E-06	0. 132305	0. 404	0. 345	0. 030625	Opc-G	ITFG1
HDDC3. 4	2. 05E-06	-0. 151	0. 085	0. 153	0. 030642	Opc-G	HDDC3
TANC2. 5	2. 05E-06	0. 178255	0. 242	0. 185	0. 030682	Opc-G	TANC2
SMAGP. 2	2. 06E-06	-0. 12022	0. 037	0. 089	0. 030853	Opc-G	SMAGP
DUSP12. 6	2. 07E-06	0. 165867	0. 291	0. 232	0. 030945	Opc-G	DUSP12
SNRNP35. 4	2. 08E-06	0. 133471	0. 253	0. 192	0. 031066	Opc-G	SNRNP35
SMYD5. 2	2. 08E-06	0. 144231	0. 105	0. 063	0. 031103	Opc-G	SMYD5
CENPA. 9	2. 09E-06	-0. 1349	0. 012	0. 052	0. 031276	Opc-G	CENPA
NAIP. 10	2. 09E-06	-0. 22607	0. 056	0. 112	0. 031291	Opc-G	NAIP
YKT6. 6	2. 10E-06	0. 174749	0. 291	0. 235	0. 031328	Opc-G	YKT6
SNRPA. 4	2. 10E-06	0. 155538	0. 307	0. 249	0. 031402	Opc-G	SNRPA
BCL2L1. 3	2. 12E-06	-0. 18725	0. 178	0. 27	0. 03174	Opc-G	BCL2L1
MAP4. 6	2. 14E-06	0. 13487	0. 393	0. 331	0. 031981	Opc-G	MAP4
RBCK1. 4	2. 15E-06	-0. 20783	0. 25	0. 343	0. 032059	Opc-G	RBCK1
COA7. 3	2. 15E-06	0. 109137	0. 102	0. 06	0. 032063	Opc-G	COA7
PSMD5-AS1	2. 15E-06	0. 174093	0. 235	0. 178	0. 032125	Opc-G	PSMD5-AS1
TTC21B. 2	2. 15E-06	0. 11582	0. 081	0. 044	0. 032167	Opc-G	TTC21B
ARHGAP12. 2	2. 16E-06	0. 225752	0. 238	0. 186	0. 032331	Opc-G	ARHGAP12
FAM204A. 6	2. 17E-06	-0. 21283	0. 176	0. 262	0. 032367	Opc-G	FAM204A
KCTD15. 4	2. 17E-06	0. 145457	0. 079	0. 043	0. 032397	Opc-G	KCTD15
NUCB1. 9	2. 18E-06	-0. 25877	0. 363	0. 45	0. 032525	Opc-G	NUCB1
C10orf128	2. 18E-06	-0. 15469	0. 001	0. 032	0. 032589	Opc-G	C10orf128
HMMR. 6	2. 18E-06	-0. 12192	0. 007	0. 042	0. 0326	Opc-G	HMMR
KLHL13. 9	2. 18E-06	0. 18705	0. 143	0. 096	0. 032622	Opc-G	KLHL13
IVD. 3	2. 20E-06	-0. 14796	0. 124	0. 204	0. 03288	Opc-G	IVD
SLC2A8. 5	2. 21E-06	-0. 1391	0. 078	0. 143	0. 033065	Opc-G	SLC2A8
APBB3. 1	2. 22E-06	-0. 17232	0. 037	0. 088	0. 033145	Opc-G	APBB3
PCDH19. 7	2. 22E-06	0. 191017	0. 097	0. 058	0. 033191	Opc-G	PCDH19
FLOT2. 5	2. 23E-06	-0. 13417	0. 113	0. 191	0. 03337	Opc-G	FLOT2
DNM2. 7	2. 26E-06	-0. 20094	0. 164	0. 248	0. 033754	Opc-G	DNM2

LPAR1. 4	2. 29E-06	-0. 12404	0. 012	0. 051	0. 034225	Opc-G	LPAR1
BCO2. 1	2. 29E-06	-0. 17241	0. 011	0. 049	0. 034251	Opc-G	BCO2
PRR5. 9	2. 30E-06	-0. 13484	0. 011	0. 049	0. 034383	Opc-G	PRR5
GUSB. 8	2. 36E-06	-0. 25208	0. 197	0. 277	0. 035298	Opc-G	GUSB
DLGAP5. 9	2. 39E-06	-0. 10746	0. 004	0. 037	0. 03567	Opc-G	DLGAP5
RNASE4. 4	2. 39E-06	-0. 21846	0. 004	0. 037	0. 035758	Opc-G	RNASE4
ZNF140. 6	2. 40E-06	0. 17738	0. 154	0. 104	0. 035815	Opc-G	ZNF140
CITED1. 9	2. 41E-06	-0. 17638	0. 087	0. 155	0. 03598	Opc-G	CITED1
AC010642. 2	2. 41E-06	-0. 10924	0. 142	0. 228	0. 036049	Opc-G	AC010642. 1
NFATC2. 7	2. 41E-06	-0. 17408	0. 011	0. 049	0. 036052	Opc-G	NFATC2
IFNAR1. 7	2. 43E-06	-0. 1956	0. 202	0. 295	0. 036287	Opc-G	IFNAR1
BYSL. 6	2. 44E-06	0. 199378	0. 153	0. 104	0. 036513	Opc-G	BYSL
VAT1. 4	2. 45E-06	-0. 12321	0. 127	0. 207	0. 036609	Opc-G	VAT1
PIM1. 5	2. 46E-06	-0. 21736	0. 074	0. 134	0. 036807	Opc-G	PIM1
HDAC9. 7	2. 48E-06	0. 113631	0. 179	0. 122	0. 036994	Opc-G	HDAC9
OAS2. 5	2. 48E-06	-0. 15371	0. 007	0. 042	0. 037078	Opc-G	OAS2
OSBPL1A. 7	2. 50E-06	-0. 17695	0. 12	0. 195	0. 037379	Opc-G	OSBPL1A
TBC1D10C. 2	2. 50E-06	-0. 15485	0. 001	0. 032	0. 037401	Opc-G	TBC1D10C
DAPP1. 9	2. 52E-06	-0. 13822	0	0. 029	0. 037708	Opc-G	DAPP1
NVL. 6	2. 52E-06	0. 188597	0. 156	0. 105	0. 037728	Opc-G	NVL
TLR3. 5	2. 53E-06	-0. 14459	0. 003	0. 035	0. 037817	Opc-G	TLR3
DNAJC15. 7	2. 53E-06	-0. 20822	0. 294	0. 396	0. 037864	Opc-G	DNAJC15
STK24. 5	2. 54E-06	-0. 10459	0. 048	0. 104	0. 037913	Opc-G	STK24
MYO1C. 4	2. 57E-06	-0. 11349	0. 049	0. 105	0. 038393	Opc-G	MYO1C
SH2B2. 8	2. 58E-06	0. 144277	0. 157	0. 105	0. 038513	Opc-G	SH2B2
PLA2G2A. 5	2. 61E-06	-0. 41328	0. 005	0. 039	0. 038975	Opc-G	PLA2G2A
HSPA5. 5	2. 66E-06	-0. 24773	0. 611	0. 66	0. 039788	Opc-G	HSPA5
C15orf57. 2	2. 66E-06	-0. 19421	0. 067	0. 128	0. 039823	Opc-G	C15orf57
PCBD2. 4	2. 67E-06	-0. 10924	0. 036	0. 086	0. 039927	Opc-G	PCBD2
CLIC2. 7	2. 67E-06	-0. 17488	0. 01	0. 046	0. 039971	Opc-G	CLIC2
LMF2. 5	2. 69E-06	-0. 19178	0. 128	0. 206	0. 040245	Opc-G	LMF2
SHROOM2. 8	2. 70E-06	0. 172467	0. 096	0. 056	0. 040376	Opc-G	SHROOM2
TMEM54. 7	2. 72E-06	0. 200598	0. 243	0. 192	0. 040689	Opc-G	TMEM54
INPPL1. 5	2. 74E-06	-0. 13077	0. 063	0. 124	0. 040913	Opc-G	INPPL1
MB21D1. 2	2. 75E-06	-0. 10007	0. 004	0. 037	0. 04114	Opc-G	MB21D1
IFI6. 6	2. 77E-06	-0. 2292	0. 321	0. 412	0. 041444	Opc-G	IFI6
ADIPOR2. 4	2. 79E-06	-0. 17	0. 087	0. 155	0. 041644	Opc-G	ADIPOR2
MTF2. 7	2. 80E-06	0. 133363	0. 314	0. 25	0. 041836	Opc-G	MTF2
NUB1. 3	2. 83E-06	0. 14613	0. 311	0. 249	0. 042328	Opc-G	NUB1
HENMT1. 8	2. 84E-06	-0. 15053	0. 003	0. 034	0. 042393	Opc-G	HENMT1
TP53I13. 7	2. 84E-06	-0. 1416	0. 164	0. 25	0. 04245	Opc-G	TP53I13
ADRBK1. 1C	2. 85E-06	-0. 17457	0. 044	0. 096	0. 042655	Opc-G	ADRBK1
CPED1. 7	2. 89E-06	-0. 13884	0. 003	0. 034	0. 043159	Opc-G	CPED1
SH3BP2. 9	2. 91E-06	-0. 15037	0. 078	0. 142	0. 043529	Opc-G	SH3BP2
SLC35B4. 6	2. 94E-06	0. 18496	0. 245	0. 188	0. 043972	Opc-G	SLC35B4
RAB1B. 4	2. 95E-06	-0. 18753	0. 157	0. 241	0. 044103	Opc-G	RAB1B
ZC3HC1. 7	2. 96E-06	0. 169675	0. 172	0. 121	0. 044201	Opc-G	ZC3HC1
RP11-71N1	2. 96E-06	0. 290005	0. 182	0. 133	0. 044224	Opc-G	RP11-71N10. 1
CHMP4B. 6	2. 97E-06	-0. 1953	0. 388	0. 458	0. 044384	Opc-G	CHMP4B
SEPT1. 2	2. 97E-06	-0. 13571	0. 053	0. 11	0. 044384	Opc-G	1-Sep
ARHGEF6. 4	3. 01E-06	-0. 14852	0. 081	0. 146	0. 044973	Opc-G	ARHGEF6

MELK. 6	3. 03E-06	-0. 10513	0. 011	0. 048	0. 045354	Opc-G	MELK
WASL. 7	3. 04E-06	0. 20364	0. 232	0. 18	0. 045371	Opc-G	WASL
CTC-338M1	3. 08E-06	0. 173375	0. 108	0. 066	0. 045986	Opc-G	CTC-338M12. 5
SLC39A8. 8	3. 09E-06	-0. 15376	0. 019	0. 061	0. 04623	Opc-G	SLC39A8
PLVAP. 6	3. 10E-06	-0. 15488	0. 001	0. 032	0. 046391	Opc-G	PLVAP
BRIX1. 8	3. 11E-06	0. 132133	0. 307	0. 25	0. 046548	Opc-G	BRIX1
TMEM140. 5	3. 12E-06	-0. 16237	0. 012	0. 05	0. 046591	Opc-G	TMEM140
SPATA2L. 4	3. 12E-06	-0. 10982	0. 051	0. 107	0. 046644	Opc-G	SPATA2L
CDS2. 3	3. 14E-06	-0. 15551	0. 164	0. 253	0. 046967	Opc-G	CDS2
ARRB1. 7	3. 17E-06	-0. 15411	0. 008	0. 044	0. 047442	Opc-G	ARRB1
KIAA1614. 3	3. 18E-06	0. 108121	0. 068	0. 036	0. 047572	Opc-G	KIAA1614
LPL. 6	3. 23E-06	-0. 15338	0. 093	0. 162	0. 048312	Opc-G	LPL
FUBP1. 9	3. 26E-06	0. 137129	0. 286	0. 22	0. 048704	Opc-G	FUBP1
ZNF430. 6	3. 30E-06	0. 14219	0. 245	0. 185	0. 049361	Opc-G	ZNF430
CDV3. 5	3. 31E-06	-0. 16666	0. 187	0. 281	0. 049516	Opc-G	CDV3
POU2F1. 8	3. 31E-06	0. 185107	0. 212	0. 157	0. 04952	Opc-G	POU2F1
ACSL4. 8	3. 37E-06	-0. 13098	0. 037	0. 086	0. 050305	Opc-G	ACSL4
ZFC3H1. 3	3. 38E-06	-0. 11292	0. 067	0. 128	0. 050508	Opc-G	ZFC3H1
URGCP. 6	3. 40E-06	0. 152261	0. 164	0. 112	0. 050739	Opc-G	URGCP
ZNF780A. 4	3. 46E-06	-0. 15987	0. 026	0. 071	0. 051757	Opc-G	ZNF780A
FFAR4. 5	3. 47E-06	-0. 13849	0. 001	0. 031	0. 051819	Opc-G	FFAR4
HS6ST1. 3	3. 47E-06	-0. 10468	0. 055	0. 112	0. 051829	Opc-G	HS6ST1
RCC2. 7	3. 49E-06	0. 104203	0. 232	0. 171	0. 052151	Opc-G	RCC2
GPATCH8. 7	3. 52E-06	0. 149412	0. 355	0. 3	0. 052629	Opc-G	GPATCH8
NFE2L2. 7	3. 58E-06	-0. 19599	0. 377	0. 474	0. 053476	Opc-G	NFE2L2
SLC12A7. 5	3. 58E-06	-0. 11538	0. 008	0. 044	0. 053491	Opc-G	SLC12A7
C11orf95. 3	3. 58E-06	0. 129639	0. 075	0. 041	0. 053497	Opc-G	C11orf95
SPTSSB. 6	3. 59E-06	-0. 11695	0. 005	0. 039	0. 053678	Opc-G	SPTSSB
RUSC1. 6	3. 64E-06	-0. 1046	0. 077	0. 142	0. 054332	Opc-G	RUSC1
APO00439. 3	3. 64E-06	-0. 16277	0	0. 029	0. 054369	Opc-G	APO00439. 1
CTSW. 5	3. 65E-06	-0. 20504	0. 001	0. 031	0. 054574	Opc-G	CTSW
ABHD5. 4	3. 68E-06	-0. 19956	0. 059	0. 115	0. 054988	Opc-G	ABHD5
ARF6. 9	3. 68E-06	-0. 17971	0. 253	0. 349	0. 055	Opc-G	ARF6
ATP2A2. 5	3. 68E-06	0. 144204	0. 336	0. 275	0. 055006	Opc-G	ATP2A2
MIER1. 4	3. 69E-06	-0. 14988	0. 107	0. 179	0. 055076	Opc-G	MIER1
KCTD5. 5	3. 69E-06	0. 180965	0. 261	0. 204	0. 055098	Opc-G	KCTD5
AC009501. 3	3. 72E-06	-0. 5223	0. 1	0. 16	0. 055548	Opc-G	AC009501. 4
IRAK1. 7	3. 72E-06	-0. 16283	0. 096	0. 162	0. 055553	Opc-G	IRAK1
OLFML2B. 9	3. 75E-06	-0. 2589	0. 027	0. 071	0. 056055	Opc-G	OLFML2B
ANPEP. 8	3. 84E-06	-0. 13885	0. 003	0. 034	0. 057409	Opc-G	ANPEP
TMEM53. 5	3. 87E-06	-0. 11517	0. 052	0. 108	0. 057759	Opc-G	TMEM53
PRKACA. 3	3. 87E-06	-0. 12357	0. 087	0. 154	0. 057766	Opc-G	PRKACA
FAM159A. 9	3. 88E-06	-0. 16736	0. 011	0. 047	0. 057918	Opc-G	FAM159A
ACTL6A. 7	3. 94E-06	0. 192619	0. 307	0. 254	0. 058939	Opc-G	ACTL6A
ISYNA1. 6	3. 99E-06	-0. 12888	0. 075	0. 138	0. 05968	Opc-G	ISYNA1
MYNN. 4	4. 02E-06	0. 153301	0. 149	0. 1	0. 060029	Opc-G	MYNN
WDR70. 2	4. 04E-06	0. 137279	0. 204	0. 147	0. 060306	Opc-G	WDR70
MTMR4. 8	4. 04E-06	0. 192572	0. 209	0. 157	0. 060336	Opc-G	MTMR4
ZNF467. 7	4. 11E-06	-0. 12797	0. 004	0. 036	0. 06141	Opc-G	ZNF467
EMC6. 5	4. 15E-06	0. 112282	0. 505	0. 429	0. 061986	Opc-G	EMC6
LRRC8B. 3	4. 19E-06	0. 139477	0. 13	0. 084	0. 062658	Opc-G	LRRC8B

STRIP1.7	4.21E-06	0.157304	0.173	0.121	0.062968	Opc-G	STRIP1
GNB4.8	4.24E-06	-0.18014	0.157	0.238	0.063321	Opc-G	GNB4
GS1-124K5	4.27E-06	0.194156	0.16	0.111	0.063755	Opc-G	GS1-124K5.4
LSM14A.5	4.33E-06	0.126176	0.432	0.378	0.064781	Opc-G	LSM14A
AAK1.6	4.36E-06	0.114243	0.34	0.272	0.065091	Opc-G	AAK1
OSBPL11.2	4.38E-06	-0.11454	0.044	0.096	0.065438	Opc-G	OSBPL11
OASL.6	4.40E-06	-0.13764	0.001	0.031	0.065769	Opc-G	OASL
C4orf27.7	4.47E-06	0.141832	0.373	0.315	0.066744	Opc-G	C4orf27
FAM212A.8	4.50E-06	-0.21484	0.014	0.051	0.067304	Opc-G	FAM212A
ITGA4.9	4.55E-06	-0.1518	0.01	0.045	0.067963	Opc-G	ITGA4
TMEM185B.4	4.57E-06	0.112823	0.087	0.05	0.06829	Opc-G	TMEM185B
MIR210HG.4	4.59E-06	-0.10201	0.042	0.095	0.068552	Opc-G	MIR210HG
CTD-2336C	4.61E-06	-0.11736	0.145	0.229	0.068875	Opc-G	CTD-233602.1
SHCBP1.6	4.71E-06	-0.12265	0.016	0.056	0.070323	Opc-G	SHCBP1
FAM49A.6	4.76E-06	-0.21388	0.108	0.175	0.071174	Opc-G	FAM49A
IL12RB1.9	4.88E-06	-0.14875	0.003	0.033	0.072921	Opc-G	IL12RB1
CDC20.7	4.90E-06	-0.19211	0.027	0.071	0.073181	Opc-G	CDC20
FO XK1.5	4.97E-06	0.158778	0.175	0.124	0.074311	Opc-G	FO XK1
SAMD9.3	5.08E-06	-0.11352	0.033	0.08	0.075856	Opc-G	SAMD9
DDX17.5	5.09E-06	0.10637	0.488	0.42	0.075996	Opc-G	DDX17
FAM129B.7	5.09E-06	-0.11272	0.03	0.076	0.076119	Opc-G	FAM129B
CDK2AP1.3	5.10E-06	0.14675	0.148	0.101	0.076254	Opc-G	CDK2AP1
ABCD4.5	5.11E-06	0.139821	0.31	0.253	0.076437	Opc-G	ABCD4
HSDL1.9	5.12E-06	0.17035	0.18	0.127	0.076522	Opc-G	HSDL1
CAMK2N2.1	5.12E-06	0.108005	0.051	0.024	0.07657	Opc-G	CAMK2N2
TRIO.8	5.13E-06	0.175862	0.224	0.169	0.07669	Opc-G	TRIO
ATP5E.7	5.13E-06	-0.13758	0.966	0.91	0.076718	Opc-G	ATP5E
IGFLR1.7	5.16E-06	-0.20891	0.018	0.057	0.077153	Opc-G	IGFLR1
DNAJC3-AS	5.19E-06	0.149584	0.083	0.047	0.077579	Opc-G	DNAJC3-AS1
RP11-191L	5.19E-06	0.126	0.046	0.021	0.077601	Opc-G	RP11-191L17.1
MT1G.8	5.23E-06	-0.44664	0.074	0.131	0.078089	Opc-G	MT1G
TPST1.8	5.23E-06	0.156674	0.299	0.235	0.078177	Opc-G	TPST1
DMAP1.6	5.27E-06	0.150136	0.303	0.247	0.07873	Opc-G	DMAP1
FBRSL1.3	5.38E-06	0.153172	0.09	0.053	0.080466	Opc-G	FBRSL1
MPPE1	5.49E-06	-0.19362	0.108	0.177	0.082009	Opc-G	MPPE1
CXCL12.5	5.51E-06	-0.19577	0.01	0.044	0.082367	Opc-G	CXCL12
CD1D.8	5.52E-06	-0.18898	0.007	0.04	0.08252	Opc-G	CD1D
DHX58.4	5.53E-06	-0.10135	0.008	0.043	0.082687	Opc-G	DHX58
TSSC1.5	5.56E-06	0.149274	0.311	0.257	0.083111	Opc-G	TSSC1
FAM177B.6	5.57E-06	-0.15856	0.003	0.033	0.083179	Opc-G	FAM177B
TMEM86A.8	5.58E-06	-0.15655	0.012	0.049	0.083376	Opc-G	TMEM86A
TRAPPC3.3	5.63E-06	-0.21968	0.344	0.444	0.084104	Opc-G	TRAPPC3
USP6NL.5	5.64E-06	-0.11687	0.037	0.086	0.084264	Opc-G	USP6NL
RFX2.4	5.64E-06	-0.14057	0.046	0.098	0.084285	Opc-G	RFX2
P2RY11.8	5.72E-06	-0.16844	0.041	0.09	0.085438	Opc-G	P2RY11
SP140.9	5.73E-06	-0.13143	0.003	0.033	0.085689	Opc-G	SP140
ARNT2.9	5.74E-06	0.189569	0.154	0.108	0.085715	Opc-G	ARNT2
BTN3A2.4	5.74E-06	-0.17754	0.086	0.151	0.085769	Opc-G	BTN3A2
PCCB.3	5.77E-06	0.180504	0.224	0.171	0.086171	Opc-G	PCCB
HSPA13.9	5.77E-06	0.184614	0.251	0.196	0.086285	Opc-G	HSPA13
SEMA5B	5.78E-06	0.101315	0.057	0.029	0.086341	Opc-G	SEMA5B

CIITA. 6	5. 78E-06	-0. 15676	0. 007	0. 04	0. 086367	Opc-G	CIITA
SLC7A5. 9	5. 79E-06	-0. 25975	0. 085	0. 142	0. 086573	Opc-G	SLC7A5
MAST4. 6	5. 84E-06	0. 124638	0. 087	0. 05	0. 087248	Opc-G	MAST4
MMP9. 4	5. 86E-06	-0. 1108	0. 001	0. 03	0. 087574	Opc-G	MMP9
RAP2A. 2	5. 93E-06	0. 17242	0. 179	0. 128	0. 088654	Opc-G	RAP2A
NIPA2. 6	6. 04E-06	-0. 13823	0. 182	0. 27	0. 090262	Opc-G	NIPA2
RP11-489C	6. 07E-06	-0. 15595	0. 001	0. 03	0. 090727	Opc-G	RP11-489018. 1
ZNF429. 8	6. 10E-06	0. 154477	0. 176	0. 126	0. 091148	Opc-G	ZNF429
ATP6V1E2. 6	6. 15E-06	0. 138061	0. 097	0. 058	0. 091918	Opc-G	ATP6V1E2
ATF6. 5	6. 17E-06	-0. 17213	0. 171	0. 254	0. 092138	Opc-G	ATF6
C4orf3. 6	6. 20E-06	-0. 26568	0. 608	0. 649	0. 092628	Opc-G	C4orf3
CDC25B. 7	6. 22E-06	-0. 11826	0. 123	0. 198	0. 092944	Opc-G	CDC25B
C1orf52. 9	6. 23E-06	0. 143799	0. 355	0. 304	0. 093044	Opc-G	C1orf52
ZNF846. 7	6. 23E-06	-0. 1835	0. 029	0. 073	0. 093074	Opc-G	ZNF846
PIF1. 5	6. 23E-06	-0. 1076	0. 015	0. 053	0. 093116	Opc-G	PIF1
TFPI. 5	6. 25E-06	0. 118746	0. 089	0. 051	0. 093416	Opc-G	TFPI
RP11-742E	6. 26E-06	-0. 1485	0. 003	0. 032	0. 093478	Opc-G	RP11-742B18. 1
ANTXR2. 4	6. 26E-06	0. 105083	0. 092	0. 053	0. 093508	Opc-G	ANTXR2
MAPK13. 6	6. 26E-06	-0. 11808	0. 003	0. 032	0. 093621	Opc-G	MAPK13
CTNND2. 7	6. 30E-06	0. 176771	0. 206	0. 154	0. 094133	Opc-G	CTNND2
STAT6. 10	6. 33E-06	-0. 19196	0. 016	0. 054	0. 094641	Opc-G	STAT6
SLC25A39. 6	6. 38E-06	-0. 19502	0. 321	0. 411	0. 095338	Opc-G	SLC25A39
ZNFX1. 2	6. 38E-06	-0. 1111	0. 081	0. 145	0. 095371	Opc-G	ZNFX1
CP. 5	6. 38E-06	-0. 13681	0. 001	0. 03	0. 095383	Opc-G	CP
PSMD6. 5	6. 44E-06	0. 106024	0. 403	0. 347	0. 096259	Opc-G	PSMD6
CDC73. 3	6. 58E-06	-0. 14474	0. 119	0. 194	0. 098297	Opc-G	CDC73
PPT1. 9	6. 60E-06	-0. 27721	0. 512	0. 559	0. 098638	Opc-G	PPT1
SMARCA5. 7	6. 64E-06	0. 139722	0. 398	0. 345	0. 099247	Opc-G	SMARCA5
SULF2. 5	6. 70E-06	0. 202871	0. 206	0. 156	0. 100186	Opc-G	SULF2
ETFB. 4	6. 72E-06	-0. 22306	0. 418	0. 506	0. 100384	Opc-G	ETFB
MLXIPL. 6	6. 75E-06	-0. 17911	0. 008	0. 041	0. 100849	Opc-G	MLXIPL
ITGB7. 7	6. 77E-06	-0. 11271	0	0. 027	0. 101238	Opc-G	ITGB7
DMTF1. 6	6. 79E-06	0. 142639	0. 198	0. 145	0. 101499	Opc-G	DMTF1
ERBB2IP. 6	6. 80E-06	-0. 13548	0. 146	0. 226	0. 101677	Opc-G	ERBB2IP
CENPM. 9	6. 92E-06	-0. 13588	0. 031	0. 077	0. 103377	Opc-G	CENPM
GTF2IRD1. 7	7. 00E-06	0. 109179	0. 119	0. 075	0. 104579	Opc-G	GTF2IRD1
MLKL. 6	7. 00E-06	-0. 12301	0. 001	0. 03	0. 104602	Opc-G	MLKL
VNN2. 7	7. 03E-06	-0. 11148	0	0. 027	0. 105007	Opc-G	VNN2
MFSD2A. 6	7. 03E-06	-0. 12789	0. 049	0. 102	0. 105019	Opc-G	MFSD2A
SSBP3. 8	7. 09E-06	0. 174685	0. 175	0. 125	0. 105976	Opc-G	SSBP3
LXN. 6	7. 29E-06	-0. 1236	0	0. 027	0. 108917	Opc-G	LXN
LTB. 5	7. 32E-06	-0. 18709	0. 004	0. 034	0. 109337	Opc-G	LTB
AHDC1. 8	7. 66E-06	0. 137137	0. 146	0. 098	0. 114499	Opc-G	AHDC1
ATP9A. 9	7. 73E-06	0. 196739	0. 156	0. 109	0. 11554	Opc-G	ATP9A
PYCR2. 4	7. 75E-06	-0. 18151	0. 164	0. 246	0. 115838	Opc-G	PYCR2
HK3. 6	7. 84E-06	-0. 1028	0	0. 027	0. 117178	Opc-G	HK3
RER1. 7	7. 88E-06	-0. 20683	0. 426	0. 502	0. 117727	Opc-G	RER1
PRMT5. 8	8. 02E-06	0. 137549	0. 201	0. 147	0. 119908	Opc-G	PRMT5
STARD4. 3	8. 10E-06	-0. 10316	0. 004	0. 034	0. 121021	Opc-G	STARD4
RNF111. 4	8. 11E-06	-0. 1135	0. 037	0. 084	0. 121214	Opc-G	RNF111
SPECC1. 9	8. 15E-06	0. 147117	0. 347	0. 292	0. 121824	Opc-G	SPECC1

ARL8A. 8	8. 16E-06	0. 135912	0. 324	0. 269	0. 121895	Opc-G	ARL8A
ELOF1. 7	8. 18E-06	0. 121292	0. 475	0. 42	0. 122243	Opc-G	ELOF1
SLC7A8. 5	8. 20E-06	-0. 12089	0. 011	0. 046	0. 122509	Opc-G	SLC7A8
FRMD8. 3	8. 33E-06	-0. 12609	0. 063	0. 12	0. 124556	Opc-G	FRMD8
CCNB2. 9	8. 34E-06	-0. 17034	0. 025	0. 066	0. 124601	Opc-G	CCNB2
PPIC. 8	8. 38E-06	-0. 11219	0. 113	0. 188	0. 125159	Opc-G	PPIC
GPHN. 6	8. 40E-06	0. 151864	0. 104	0. 064	0. 125499	Opc-G	GPHN
MAPRE3. 8	8. 47E-06	0. 193366	0. 23	0. 175	0. 126591	Opc-G	MAPRE3
ZNF197. 2	8. 49E-06	0. 133927	0. 104	0. 064	0. 126878	Opc-G	ZNF197
AP3S1. 5	8. 55E-06	-0. 2264	0. 339	0. 433	0. 127755	Opc-G	AP3S1
GAS7. 3	8. 60E-06	-0. 16312	0. 059	0. 113	0. 128518	Opc-G	GAS7
MTRNR2L8. 8	8. 63E-06	-0. 36165	0. 128	0. 195	0. 128982	Opc-G	MTRNR2L8
COMTD1. 6	8. 69E-06	-0. 107	0. 022	0. 063	0. 129846	Opc-G	COMTD1
SPG21. 7	8. 69E-06	-0. 16718	0. 294	0. 391	0. 129857	Opc-G	SPG21
IFITM1. 4	8. 75E-06	-0. 19261	0. 007	0. 039	0. 130709	Opc-G	IFITM1
HEXIM1. 4	8. 83E-06	-0. 17667	0. 146	0. 223	0. 131938	Opc-G	HEXIM1
SFXN3. 4	8. 94E-06	-0. 12928	0. 06	0. 115	0. 133539	Opc-G	SFXN3
SUMF1. 4	8. 94E-06	-0. 13933	0. 079	0. 141	0. 133612	Opc-G	SUMF1
PPT2	8. 97E-06	0. 103159	0. 057	0. 029	0. 134109	Opc-G	PPT2
TPMT. 8	9. 19E-06	-0. 18951	0. 127	0. 196	0. 137307	Opc-G	TPMT
MAP1S. 2	9. 26E-06	-0. 13429	0. 107	0. 175	0. 138389	Opc-G	MAP1S
PEX5. 4	9. 27E-06	0. 126274	0. 134	0. 088	0. 138513	Opc-G	PEX5
SSBP2. 9	9. 29E-06	-0. 15249	0. 186	0. 275	0. 138782	Opc-G	SSBP2
AIFM1. 5	9. 30E-06	-0. 11643	0. 085	0. 149	0. 138992	Opc-G	AIFM1
IFIT1. 6	9. 33E-06	-0. 18355	0. 031	0. 076	0. 139474	Opc-G	IFIT1
JAK3. 4	9. 39E-06	-0. 11226	0. 001	0. 029	0. 140321	Opc-G	JAK3
C21orf59. 9	9. 40E-06	0. 122493	0. 363	0. 313	0. 140535	Opc-G	C21orf59
TNFRSF11A	9. 41E-06	-0. 10644	0	0. 026	0. 140675	Opc-G	TNFRSF11A
PTBP3. 6	9. 42E-06	-0. 15887	0. 06	0. 114	0. 140743	Opc-G	PTBP3
CALCOCO2. 9	9. 50E-06	-0. 15296	0. 124	0. 198	0. 142007	Opc-G	CALCOCO2
IGF1R. 6	9. 54E-06	0. 132018	0. 107	0. 067	0. 142558	Opc-G	IGF1R
CNFN. 4	9. 56E-06	-0. 10525	0. 001	0. 029	0. 142909	Opc-G	CNFN
SQLE. 7	9. 56E-06	0. 234469	0. 292	0. 246	0. 142935	Opc-G	SQLE
BASP1. 9	9. 74E-06	0. 140802	0. 433	0. 368	0. 145578	Opc-G	BASP1
CCNG1. 5	9. 78E-06	-0. 21689	0. 191	0. 275	0. 146182	Opc-G	CCNG1
TOX4. 1	9. 79E-06	0. 115899	0. 318	0. 258	0. 14637	Opc-G	TOX4
PCSK7. 5	9. 90E-06	0. 107238	0. 336	0. 278	0. 147939	Opc-G	PCSK7
TCOF1. 6	9. 90E-06	-0. 23076	0. 133	0. 199	0. 147951	Opc-G	TCOF1
TMA16. 5	9. 93E-06	0. 157728	0. 251	0. 197	0. 148401	Opc-G	TMA16
RECK. 1	1. 00E-05	-0. 10527	0. 026	0. 068	0. 15002	Opc-G	RECK
AGA. 4	1. 01E-05	-0. 13995	0. 092	0. 157	0. 150485	Opc-G	AGA
FLNA. 8	1. 01E-05	-0. 14296	0. 175	0. 255	0. 15152	Opc-G	FLNA
GALNT6. 6	1. 02E-05	-0. 12627	0. 003	0. 031	0. 152505	Opc-G	GALNT6
TSHZ1. 6	1. 02E-05	0. 11507	0. 113	0. 071	0. 152825	Opc-G	TSHZ1
BET1L. 1	1. 02E-05	-0. 10747	0. 064	0. 122	0. 153016	Opc-G	BET1L
MAP4K1. 8	1. 03E-05	-0. 13932	0. 003	0. 031	0. 153839	Opc-G	MAP4K1
GABARAP. 7	1. 05E-05	-0. 37445	0. 4	0. 465	0. 157291	Opc-G	GABARAP
SAR1A. 7	1. 07E-05	-0. 23008	0. 223	0. 303	0. 160012	Opc-G	SAR1A
FAM111A. 6	1. 07E-05	-0. 14916	0. 059	0. 113	0. 160389	Opc-G	FAM111A
HDAC10. 5	1. 08E-05	-0. 13505	0. 057	0. 11	0. 160811	Opc-G	HDAC10
ITGA6. 4	1. 08E-05	-0. 12087	0. 034	0. 08	0. 160945	Opc-G	ITGA6

RP11-557H	1. 08E-05	-0. 14216	0. 001	0. 029	0. 161002	Opc-G	RP11-557H15. 4
SMC4. 8	1. 08E-05	-0. 1911	0. 145	0. 216	0. 161843	Opc-G	SMC4
HNRNPLL. 4	1. 09E-05	0. 166972	0. 239	0. 187	0. 162742	Opc-G	HNRNPLL
KLF7. 7	1. 09E-05	0. 136331	0. 264	0. 202	0. 162799	Opc-G	KLF7
EIF4G3. 3	1. 10E-05	0. 160571	0. 223	0. 171	0. 163649	Opc-G	EIF4G3
BAG1. 4	1. 10E-05	0. 127691	0. 41	0. 348	0. 163774	Opc-G	BAG1
B3GALNT2. 1	1. 11E-05	0. 174697	0. 131	0. 088	0. 165457	Opc-G	B3GALNT2
CCNDBP1. 8	1. 11E-05	-0. 21556	0. 138	0. 209	0. 166614	Opc-G	CCNDBP1
HLX. 5	1. 12E-05	-0. 12431	0. 01	0. 043	0. 16715	Opc-G	HLX
VEGFB. 5	1. 12E-05	-0. 11418	0. 085	0. 148	0. 167185	Opc-G	VEGFB
SALL2. 2	1. 12E-05	0. 102604	0. 071	0. 039	0. 167417	Opc-G	SALL2
RANBP2. 8	1. 12E-05	-0. 17813	0. 142	0. 213	0. 168056	Opc-G	RANBP2
RP11-398K	1. 13E-05	0. 133453	0. 115	0. 073	0. 168155	Opc-G	RP11-398K22. 12
KANSL2. 6	1. 13E-05	0. 143821	0. 198	0. 146	0. 168702	Opc-G	KANSL2
AMFR. 3	1. 13E-05	-0. 10688	0. 107	0. 177	0. 168741	Opc-G	AMFR
NRDE2. 3	1. 13E-05	0. 100683	0. 143	0. 095	0. 169344	Opc-G	NRDE2
FAM134B. 8	1. 14E-05	-0. 11554	0. 102	0. 17	0. 169957	Opc-G	FAM134B
PIEZO1. 5	1. 14E-05	-0. 10195	0. 029	0. 072	0. 170388	Opc-G	PIEZO1
TRPS1. 1	1. 14E-05	0. 200893	0. 168	0. 122	0. 17059	Opc-G	TRPS1
RP1-223E5	1. 15E-05	0. 123866	0. 064	0. 034	0. 171474	Opc-G	RP1-223E5. 4
SPG7. 3	1. 15E-05	0. 14051	0. 291	0. 238	0. 171669	Opc-G	SPG7
TMEM205. 8	1. 17E-05	-0. 21251	0. 406	0. 502	0. 174537	Opc-G	TMEM205
SCD. 9	1. 17E-05	-0. 26171	0. 146	0. 217	0. 174887	Opc-G	SCD
FCER1A. 4	1. 17E-05	-0. 13826	0	0. 026	0. 175167	Opc-G	FCER1A
ZNF736. 1	1. 20E-05	0. 106843	0. 079	0. 045	0. 179262	Opc-G	ZNF736
PUS3. 7	1. 21E-05	0. 160736	0. 157	0. 111	0. 180401	Opc-G	PUS3
CDH11. 8	1. 21E-05	0. 187722	0. 157	0. 113	0. 180615	Opc-G	CDH11
PNPLA6. 4	1. 22E-05	-0. 13816	0. 104	0. 17	0. 181878	Opc-G	PNPLA6
HMGCL. 1	1. 24E-05	-0. 16941	0. 145	0. 223	0. 184819	Opc-G	HMGCL
MPC1. 6	1. 24E-05	-0. 23455	0. 421	0. 492	0. 185362	Opc-G	MPC1
CCAR2. 4	1. 24E-05	0. 159665	0. 194	0. 143	0. 185737	Opc-G	CCAR2
CARF. 5	1. 24E-05	0. 135136	0. 115	0. 074	0. 185813	Opc-G	CARF
GMPPA. 4	1. 25E-05	-0. 12742	0. 097	0. 164	0. 187015	Opc-G	GMPPA
APO05530. 1	1. 26E-05	-0. 14183	0. 003	0. 031	0. 187739	Opc-G	APO05530. 2
CLK4. 6	1. 26E-05	0. 172917	0. 212	0. 159	0. 18776	Opc-G	CLK4
YIPF1. 2	1. 26E-05	-0. 13435	0. 113	0. 184	0. 187873	Opc-G	YIPF1
UGCG. 4	1. 26E-05	-0. 16951	0. 1	0. 162	0. 188171	Opc-G	UGCG
SMIM8. 2	1. 26E-05	0. 134764	0. 149	0. 103	0. 188405	Opc-G	SMIM8
TSPAN15. 9	1. 28E-05	-0. 22716	0. 037	0. 08	0. 19117	Opc-G	TSPAN15
SIGLEC1. 6	1. 29E-05	-0. 13327	0. 003	0. 031	0. 192704	Opc-G	SIGLEC1
MSH6. 7	1. 29E-05	0. 146665	0. 173	0. 123	0. 192713	Opc-G	MSH6
KCNE3. 9	1. 29E-05	-0. 11193	0. 001	0. 028	0. 193118	Opc-G	KCNE3
POLR2C. 8	1. 29E-05	0. 117623	0. 398	0. 347	0. 193498	Opc-G	POLR2C
PLEK2. 7	1. 31E-05	-0. 10607	0	0. 025	0. 195463	Opc-G	PLEK2
TMEM25. 8	1. 31E-05	0. 181998	0. 165	0. 119	0. 195753	Opc-G	TMEM25
TPR. 6	1. 32E-05	0. 101004	0. 455	0. 401	0. 197301	Opc-G	TPR
METTL21A. 1	1. 32E-05	0. 103046	0. 235	0. 18	0. 197381	Opc-G	METTL21A
SLC15A4. 2	1. 35E-05	-0. 12976	0. 033	0. 077	0. 201389	Opc-G	SLC15A4
CHAMP1. 4	1. 36E-05	0. 195102	0. 171	0. 126	0. 203326	Opc-G	CHAMP1
PHACTR4. 5	1. 37E-05	0. 138043	0. 251	0. 199	0. 204513	Opc-G	PHACTR4
SGPP1. 7	1. 37E-05	-0. 143	0. 037	0. 082	0. 204954	Opc-G	SGPP1

HDHD3. 2	1. 38E-05	-0. 11163	0. 059	0. 113	0. 205746	Opc-G	HDHD3
CATSPER1.	1. 39E-05	-0. 13804	0. 001	0. 028	0. 207298	Opc-G	CATSPER1
KANSL1. 7	1. 39E-05	0. 163088	0. 213	0. 162	0. 207998	Opc-G	KANSL1
GCC2. 2	1. 40E-05	-0. 19881	0. 195	0. 277	0. 209767	Opc-G	GCC2
CTPS2. 1	1. 40E-05	0. 12464	0. 079	0. 045	0. 209854	Opc-G	CTPS2
ERMAP. 4	1. 41E-05	-0. 10173	0. 012	0. 047	0. 210379	Opc-G	ERMAP
WDFY4. 8	1. 41E-05	-0. 12216	0. 001	0. 028	0. 211318	Opc-G	WDFY4
AQP9. 5	1. 42E-05	-0. 12124	0. 003	0. 03	0. 211687	Opc-G	AQP9
NCKAP1. 7	1. 42E-05	0. 190085	0. 232	0. 185	0. 21291	Opc-G	NCKAP1
ZNF24. 8	1. 43E-05	0. 142949	0. 347	0. 297	0. 213102	Opc-G	ZNF24
ACAP2. 4	1. 43E-05	-0. 14342	0. 115	0. 182	0. 213428	Opc-G	ACAP2
CYB561A3.	1. 43E-05	-0. 17675	0. 093	0. 154	0. 213746	Opc-G	CYB561A3
PARP4. 3	1. 43E-05	-0. 10606	0. 04	0. 087	0. 213844	Opc-G	PARP4
CBLL1. 2	1. 43E-05	0. 120242	0. 152	0. 104	0. 213869	Opc-G	CBLL1
CTD-2017D	1. 44E-05	0. 140645	0. 092	0. 055	0. 215006	Opc-G	CTD-2017D11. 1
FASTK. 7	1. 45E-05	0. 145606	0. 381	0. 335	0. 216722	Opc-G	FASTK
SPINT1. 9	1. 45E-05	-0. 11154	0. 005	0. 035	0. 216848	Opc-G	SPINT1
TFDP2. 5	1. 46E-05	0. 151474	0. 265	0. 209	0. 217642	Opc-G	TFDP2
PSMD13. 5	1. 47E-05	0. 101757	0. 469	0. 409	0. 219143	Opc-G	PSMD13
ZNF12. 7	1. 48E-05	0. 181828	0. 167	0. 121	0. 220444	Opc-G	ZNF12
MYO7A. 8	1. 48E-05	-0. 15191	0. 005	0. 035	0. 220462	Opc-G	MYO7A
GPT2. 8	1. 48E-05	0. 17258	0. 193	0. 144	0. 220874	Opc-G	GPT2
ZNF614. 1	1. 49E-05	0. 135999	0. 079	0. 046	0. 222797	Opc-G	ZNF614
ZYX. 9	1. 50E-05	-0. 20261	0. 332	0. 406	0. 223994	Opc-G	ZYX
BRD8. 6	1. 51E-05	0. 147335	0. 21	0. 159	0. 226391	Opc-G	BRD8
FAM20C. 8	1. 54E-05	-0. 18907	0. 153	0. 228	0. 229786	Opc-G	FAM20C
EMD. 4	1. 54E-05	-0. 18339	0. 205	0. 289	0. 22991	Opc-G	EMD
HGF. 4	1. 56E-05	-0. 12467	0. 003	0. 03	0. 232653	Opc-G	HGF
MTMR14. 7	1. 58E-05	-0. 15967	0. 152	0. 226	0. 236548	Opc-G	MTMR14
HNRNPUL2.	1. 59E-05	-0. 11436	0. 101	0. 167	0. 237158	Opc-G	HNRNPUL2
SH3GLB2. 4	1. 59E-05	-0. 10691	0. 066	0. 122	0. 23741	Opc-G	SH3GLB2
LDLR. 6	1. 60E-05	-0. 10399	0. 051	0. 102	0. 238864	Opc-G	LDLR
MAG. 8	1. 60E-05	-0. 35821	0. 008	0. 039	0. 239145	Opc-G	MAG
MICU3. 8	1. 64E-05	0. 14306	0. 123	0. 08	0. 24447	Opc-G	MICU3
TMEM198. 7	1. 64E-05	0. 206672	0. 156	0. 112	0. 244788	Opc-G	TMEM198
LUC7L. 7	1. 66E-05	0. 173273	0. 291	0. 242	0. 247361	Opc-G	LUC7L
ADCK2. 6	1. 67E-05	-0. 15649	0. 085	0. 143	0. 249444	Opc-G	ADCK2
PTCRA. 6	1. 69E-05	-0. 11792	0	0. 025	0. 252437	Opc-G	PTCRA
TTLL1. 5	1. 70E-05	0. 170818	0. 13	0. 088	0. 254612	Opc-G	TTLL1
LONP2. 6	1. 71E-05	0. 133346	0. 299	0. 245	0. 255366	Opc-G	LONP2
DRAP1. 1	1. 72E-05	-0. 1724	0. 654	0. 676	0. 256983	Opc-G	DRAP1
HSPA14. 3	1. 73E-05	-0. 10508	0. 083	0. 145	0. 258091	Opc-G	HSPA14
KCNN4. 6	1. 73E-05	-0. 11336	0. 005	0. 035	0. 259233	Opc-G	KCNN4
GPR132. 7	1. 75E-05	-0. 13065	0. 004	0. 032	0. 260844	Opc-G	GPR132
AP5B1. 4	1. 75E-05	-0. 11887	0. 018	0. 054	0. 260859	Opc-G	AP5B1
CEND1. 7	1. 75E-05	0. 195277	0. 182	0. 136	0. 261878	Opc-G	CEND1
SMC5. 2	1. 76E-05	-0. 11386	0. 115	0. 184	0. 262741	Opc-G	SMC5
PRKD3. 4	1. 77E-05	0. 140406	0. 194	0. 143	0. 264248	Opc-G	PRKD3
ENSA. 7	1. 77E-05	-0. 20809	0. 421	0. 506	0. 264754	Opc-G	ENSA
PTPN18. 1C	1. 80E-05	-0. 15293	0. 143	0. 215	0. 268778	Opc-G	PTPN18
TRMT10C. 7	1. 81E-05	0. 18821	0. 294	0. 247	0. 269871	Opc-G	TRMT10C



OGFR. 4	1. 81E-05	-0. 12154	0. 204	0. 292	0. 270481	Opc-G	OGFR
DDR GK1. 3	1. 82E-05	-0. 17412	0. 322	0. 424	0. 271409	Opc-G	DDR GK1
IRAK2. 3	1. 82E-05	-0. 12249	0. 016	0. 052	0. 271886	Opc-G	IRAK2
DHX30. 5	1. 84E-05	0. 176893	0. 298	0. 255	0. 274274	Opc-G	DHX30
ALDH18A1. 1.	1. 84E-05	0. 160353	0. 124	0. 083	0. 275535	Opc-G	ALDH18A1
USP36. 7	1. 85E-05	-0. 17675	0. 085	0. 142	0. 276295	Opc-G	USP36
GDPD1. 7	1. 86E-05	0. 152911	0. 102	0. 064	0. 277549	Opc-G	GDPD1
UTP23. 4	1. 86E-05	0. 20534	0. 194	0. 146	0. 278051	Opc-G	UTP23
AHR. 9	1. 87E-05	-0. 16936	0. 026	0. 065	0. 279857	Opc-G	AHR
IFIT2. 7	1. 88E-05	-0. 17604	0. 04	0. 085	0. 280537	Opc-G	IFIT2
TMPO. 8	1. 89E-05	0. 104723	0. 253	0. 19	0. 281761	Opc-G	TMPO
RGS3. 7	1. 89E-05	0. 172559	0. 148	0. 104	0. 282199	Opc-G	RGS3
CSK. 10	1. 89E-05	-0. 21457	0. 094	0. 151	0. 282791	Opc-G	CSK
ALKBH7. 3	1. 90E-05	-0. 17584	0. 385	0. 477	0. 28341	Opc-G	ALKBH7
SMAD9. 7	1. 92E-05	0. 123589	0. 108	0. 068	0. 287286	Opc-G	SMAD9
RPS6KB2. 5	1. 94E-05	-0. 14603	0. 154	0. 232	0. 289774	Opc-G	RPS6KB2
TMEM255B. 1.	1. 95E-05	-0. 21777	0. 02	0. 057	0. 292036	Opc-G	TMEM255B
DPF2. 5	1. 96E-05	0. 139223	0. 273	0. 221	0. 292748	Opc-G	DPF2
GLIS2	1. 96E-05	0. 131002	0. 064	0. 035	0. 292876	Opc-G	GLIS2
SLC32A1. 8	1. 97E-05	-0. 11585	0. 008	0. 039	0. 293787	Opc-G	SLC32A1
TIFA. 5	2. 03E-05	-0. 12579	0. 022	0. 06	0. 302672	Opc-G	TIFA
NUDT4. 2	2. 03E-05	0. 138931	0. 251	0. 2	0. 302772	Opc-G	NUDT4
CCDC106. 1	2. 03E-05	-0. 12614	0. 161	0. 237	0. 303427	Opc-G	CCDC106
RPP30. 5	2. 05E-05	-0. 17404	0. 108	0. 173	0. 305881	Opc-G	RPP30
TRUB2. 5	2. 06E-05	0. 200121	0. 257	0. 21	0. 308096	Opc-G	TRUB2
OPA3. 1	2. 09E-05	-0. 12285	0. 06	0. 113	0. 311647	Opc-G	OPA3
DTNBP1. 7	2. 09E-05	-0. 11484	0. 138	0. 211	0. 312548	Opc-G	DTNBP1
APC. 9	2. 11E-05	0. 178364	0. 26	0. 21	0. 315724	Opc-G	APC
IFT27. 7	2. 12E-05	0. 174573	0. 301	0. 254	0. 316896	Opc-G	IFT27
GMIP. 9	2. 16E-05	-0. 14699	0. 034	0. 077	0. 322531	Opc-G	GMIP
ITSN1. 4	2. 19E-05	-0. 15118	0. 09	0. 15	0. 326595	Opc-G	ITSN1
TCEAL1. 7	2. 19E-05	0. 123844	0. 306	0. 252	0. 327084	Opc-G	TCEAL1
PGM1. 6	2. 20E-05	0. 143538	0. 298	0. 247	0. 328505	Opc-G	PGM1
PIANP. 8	2. 21E-05	0. 190901	0. 119	0. 079	0. 330311	Opc-G	PIANP
IL27RA. 4	2. 21E-05	-0. 10743	0. 02	0. 058	0. 330344	Opc-G	IL27RA
PACSIN2. 9	2. 24E-05	-0. 12757	0. 112	0. 178	0. 33443	Opc-G	PACSIN2
CHN2. 6	2. 26E-05	-0. 21625	0. 053	0. 101	0. 337104	Opc-G	CHN2
BTG3. 7	2. 28E-05	0. 108	0. 425	0. 368	0. 341287	Opc-G	BTG3
ACTL6B. 9	2. 28E-05	0. 158077	0. 116	0. 074	0. 3414	Opc-G	ACTL6B
PKN1. 4	2. 29E-05	-0. 11248	0. 167	0. 248	0. 342353	Opc-G	PKN1
ZNF384. 1	2. 30E-05	0. 11436	0. 1	0. 062	0. 343542	Opc-G	ZNF384
RCBTB1. 5	2. 32E-05	0. 100838	0. 109	0. 069	0. 347137	Opc-G	RCBTB1
ZNF398. 7	2. 33E-05	0. 100013	0. 092	0. 055	0. 348581	Opc-G	ZNF398
PI4K2A. 8	2. 34E-05	-0. 12566	0. 027	0. 067	0. 350083	Opc-G	PI4K2A
DPF3. 6	2. 35E-05	0. 18764	0. 178	0. 133	0. 351059	Opc-G	DPF3
FOLR1. 6	2. 39E-05	-0. 16469	0. 007	0. 036	0. 356436	Opc-G	FOLR1
SNAPC2. 3	2. 39E-05	-0. 11456	0. 134	0. 208	0. 357144	Opc-G	SNAPC2
ARL2. 6	2. 40E-05	-0. 26384	0. 359	0. 444	0. 358689	Opc-G	ARL2
EGLN3. 6	2. 42E-05	-0. 15601	0. 026	0. 065	0. 361094	Opc-G	EGLN3
CHD1. 7	2. 42E-05	-0. 17154	0. 219	0. 298	0. 362059	Opc-G	CHD1
GHDC. 6	2. 43E-05	-0. 13378	0. 048	0. 096	0. 363414	Opc-G	GHDC

ACSL5.9	2.44E-05	-0.13083	0.007	0.036	0.36442	Opc-G	ACSL5
TMC06	2.45E-05	-0.10114	0.011	0.043	0.365935	Opc-G	TMC06
CNEP1R1.3	2.47E-05	-0.12978	0.061	0.114	0.369395	Opc-G	CNEP1R1
NRIP1.4	2.48E-05	-0.10301	0.071	0.126	0.371089	Opc-G	NRIP1
ZDHHC4.8	2.51E-05	0.11277	0.396	0.352	0.375512	Opc-G	ZDHHC4
PPP1R10.5	2.54E-05	0.116178	0.34	0.284	0.379832	Opc-G	PPP1R10
APOL2.6	2.55E-05	-0.22721	0.053	0.102	0.381778	Opc-G	APOL2
ACYP2.7	2.60E-05	0.112349	0.358	0.309	0.38843	Opc-G	ACYP2
FAM46A.6	2.61E-05	0.170856	0.243	0.193	0.390297	Opc-G	FAM46A
CFB.3	2.62E-05	-0.10764	0	0.024	0.391365	Opc-G	CFB
PTK2.7	2.62E-05	0.151693	0.224	0.175	0.391633	Opc-G	PTK2
LIPT1.1	2.63E-05	0.115282	0.116	0.076	0.393029	Opc-G	LIPT1
OSTC.7	2.64E-05	-0.22876	0.423	0.508	0.395225	Opc-G	OSTC
PDCD4.9	2.65E-05	-0.22279	0.096	0.152	0.396391	Opc-G	PDCD4
NUMB.9	2.65E-05	-0.19825	0.112	0.174	0.396655	Opc-G	NUMB
MGRN1.6	2.66E-05	0.151732	0.255	0.205	0.398234	Opc-G	MGRN1
KCNIP1.8	2.69E-05	0.160786	0.139	0.096	0.402309	Opc-G	KCNIP1
SKIL.8	2.73E-05	-0.24899	0.223	0.29	0.407531	Opc-G	SKIL
TBKBP1	2.75E-05	0.120706	0.06	0.032	0.41023	Opc-G	TBKBP1
SKIV2L2.6	2.75E-05	0.14376	0.202	0.153	0.410674	Opc-G	SKIV2L2
CCL5.5	2.76E-05	-0.32618	0.022	0.058	0.412359	Opc-G	CCL5
CYP19A1.5	2.82E-05	-0.11474	0.001	0.026	0.421676	Opc-G	CYP19A1
UBAC1.5	2.84E-05	-0.13845	0.148	0.223	0.423762	Opc-G	UBAC1
RECQL.6	2.85E-05	-0.11765	0.111	0.177	0.425256	Opc-G	RECQL
TTF2.2	2.85E-05	-0.11067	0.027	0.067	0.425821	Opc-G	TTF2
EML2.4	2.85E-05	-0.13097	0.041	0.086	0.426074	Opc-G	EML2
RNPEPL1.7	2.88E-05	-0.12869	0.078	0.134	0.430364	Opc-G	RNPEPL1
TNIP2.5	2.93E-05	-0.11064	0.104	0.169	0.437841	Opc-G	TNIP2
COL6A1.9	3.00E-05	-0.18354	0.164	0.233	0.44774	Opc-G	COL6A1
TLR10.8	3.03E-05	-0.11618	0.001	0.026	0.453295	Opc-G	TLR10
TNFRSF21.3	3.04E-05	0.213216	0.205	0.16	0.454284	Opc-G	TNFRSF21
RAB11FIP1	3.05E-05	-0.11418	0.003	0.028	0.455582	Opc-G	RAB11FIP1
MMP7.5	3.05E-05	-0.22093	0.004	0.031	0.456121	Opc-G	MMP7
INPP1.6	3.08E-05	0.148364	0.197	0.148	0.46017	Opc-G	INPP1
GID8.3	3.08E-05	-0.12616	0.171	0.252	0.460682	Opc-G	GID8
ZNF431.1	3.10E-05	0.128005	0.123	0.081	0.463152	Opc-G	ZNF431
RAB4B.5	3.11E-05	-0.15391	0.186	0.268	0.464805	Opc-G	RAB4B
RNF181.4	3.12E-05	-0.25048	0.477	0.56	0.466679	Opc-G	RNF181
CYB5R3.5	3.15E-05	0.12586	0.407	0.358	0.471207	Opc-G	CYB5R3
ISCU.6	3.16E-05	-0.22017	0.505	0.57	0.471983	Opc-G	ISCU
TGS1.4	3.18E-05	0.150604	0.206	0.157	0.475367	Opc-G	TGS1
EHD1.7	3.20E-05	0.14983	0.165	0.119	0.477897	Opc-G	EHD1
MAN2B2.1	3.21E-05	-0.11068	0.037	0.08	0.479091	Opc-G	MAN2B2
NIFK-AS1.3	3.21E-05	0.123952	0.127	0.085	0.479478	Opc-G	NIFK-AS1
TLE1.8	3.21E-05	0.209346	0.209	0.167	0.480101	Opc-G	TLE1
PVRL1.9	3.24E-05	0.107178	0.096	0.059	0.483609	Opc-G	PVRL1
CCDC18.6	3.26E-05	-0.13451	0.037	0.079	0.486938	Opc-G	CCDC18
C12orf10.3	3.27E-05	0.132457	0.362	0.315	0.488543	Opc-G	C12orf10
GTPBP10.3	3.28E-05	0.107174	0.137	0.093	0.489927	Opc-G	GTPBP10
TPT1.7	3.28E-05	-0.10439	0.988	0.951	0.490635	Opc-G	TPT1
HSD11B1.2	3.28E-05	-0.13452	0.001	0.026	0.490725	Opc-G	HSD11B1

BNIP3.7	3.30E-05	-0.18089	0.146	0.219	0.493423	Opc-G	BNIP3
POGZ.7	3.32E-05	0.141726	0.258	0.207	0.496373	Opc-G	POGZ
ACO2.1	3.35E-05	0.104207	0.408	0.362	0.500685	Opc-G	ACO2
HOMER3.5	3.36E-05	-0.11184	0.168	0.246	0.502549	Opc-G	HOMER3
LAMP1.8	3.37E-05	-0.19007	0.474	0.524	0.503261	Opc-G	LAMP1
DHRS4L2.4	3.38E-05	-0.14188	0.182	0.267	0.505319	Opc-G	DHRS4L2
ANKRD40.5	3.40E-05	-0.13611	0.115	0.179	0.508809	Opc-G	ANKRD40
C1orf109.3	3.41E-05	0.146179	0.175	0.129	0.509217	Opc-G	C1orf109
NDUFA9.5	3.41E-05	0.11105	0.429	0.381	0.509732	Opc-G	NDUFA9
SLC29A3.5	3.45E-05	-0.14783	0.014	0.046	0.516232	Opc-G	SLC29A3
RAD54L2.6	3.48E-05	0.157095	0.148	0.104	0.520381	Opc-G	RAD54L2
PEX10.6	3.49E-05	0.194058	0.234	0.189	0.520911	Opc-G	PEX10
PITPNA.4	3.49E-05	-0.10648	0.119	0.186	0.521353	Opc-G	PITPNA
TREML1.7	3.51E-05	-0.11582	0	0.023	0.524253	Opc-G	TREML1
JADE2.2	3.52E-05	-0.10461	0.016	0.051	0.525396	Opc-G	JADE2
AFAP1.7	3.53E-05	0.155921	0.123	0.083	0.527645	Opc-G	AFAP1
FAM103A1.3	3.53E-05	-0.14637	0.169	0.248	0.528163	Opc-G	FAM103A1
KLF15.4	3.54E-05	0.143006	0.067	0.037	0.529222	Opc-G	KLF15
SESN1.7	3.54E-05	-0.19448	0.057	0.105	0.529669	Opc-G	SESN1
RMND5B.5	3.61E-05	0.146922	0.209	0.161	0.539086	Opc-G	RMND5B
MLF1.7	3.64E-05	-0.11264	0.167	0.247	0.543381	Opc-G	MLF1
CASC3.6	3.69E-05	0.171645	0.231	0.182	0.551212	Opc-G	CASC3
SLFN5.3	3.70E-05	-0.11958	0.025	0.062	0.553402	Opc-G	SLFN5
HNRNPF.6	3.73E-05	-0.21132	0.437	0.513	0.556989	Opc-G	HNRNPF
MFGE8.6	3.81E-05	0.140203	0.235	0.187	0.569878	Opc-G	MFGE8
CEACAM4.8	3.85E-05	-0.10447	0.001	0.025	0.575103	Opc-G	CEACAM4
NDEL1.4	3.87E-05	-0.14526	0.097	0.157	0.579079	Opc-G	NDEL1
ZFHX4.9	3.88E-05	0.196419	0.191	0.149	0.57958	Opc-G	ZFHX4
PIK3R2.2	3.88E-05	0.105284	0.081	0.048	0.579782	Opc-G	PIK3R2
ZNF674-AS1	3.90E-05	0.144045	0.086	0.052	0.582973	Opc-G	ZNF674-AS1
RP4-635E18.8	3.91E-05	0.105878	0.079	0.047	0.584452	Opc-G	RP4-635E18.8
RP11-214N9.1	3.92E-05	0.103596	0.042	0.02	0.586186	Opc-G	RP11-214N9.1
USP8.2	3.93E-05	-0.18	0.183	0.264	0.587703	Opc-G	USP8
RAB3IL1.7	3.98E-05	-0.11542	0.007	0.035	0.594737	Opc-G	RAB3IL1
ALOX15B.8	4.01E-05	-0.13667	0.003	0.028	0.599754	Opc-G	ALOX15B
CTD-307407.5	4.09E-05	0.114097	0.092	0.057	0.611783	Opc-G	CTD-307407.5
GNPTG.4	4.11E-05	0.152814	0.303	0.255	0.613592	Opc-G	GNPTG
FBXO17.10	4.12E-05	0.228393	0.183	0.141	0.616153	Opc-G	FBXO17
GLA.9	4.13E-05	-0.22546	0.156	0.219	0.617059	Opc-G	GLA
CTA-384D8.34	4.14E-05	-0.10469	0.001	0.025	0.61834	Opc-G	CTA-384D8.34
CREB3L2.8	4.23E-05	-0.16598	0.075	0.127	0.632052	Opc-G	CREB3L2
MRT04.4	4.27E-05	0.167237	0.288	0.243	0.637643	Opc-G	MRT04
C1orf35.8	4.30E-05	0.154751	0.31	0.26	0.64291	Opc-G	C1orf35
ST18.6	4.30E-05	-0.13497	0.011	0.041	0.643235	Opc-G	ST18
TNFAIP8L3.8	4.33E-05	-0.10239	0.004	0.03	0.646539	Opc-G	TNFAIP8L3
CENPW.6	4.36E-05	-0.16766	0.07	0.121	0.651669	Opc-G	CENPW
ANKRD17.7	4.39E-05	0.1759	0.26	0.214	0.655662	Opc-G	ANKRD17
IFIT3.8	4.39E-05	-0.18609	0.061	0.111	0.655716	Opc-G	IFIT3
CYTL1.9	4.39E-05	-0.2658	0.066	0.113	0.656648	Opc-G	CYTL1
CAPS.5	4.41E-05	-0.102	0.033	0.074	0.659733	Opc-G	CAPS
TNIP1.5	4.42E-05	-0.13459	0.142	0.213	0.659811	Opc-G	TNIP1

KCNK6. 8	4. 42E-05	-0. 12054	0. 011	0. 042	0. 660052	Opc-G	KCNK6
KIFC1. 8	4. 45E-05	-0. 13536	0. 025	0. 061	0. 664998	Opc-G	KIFC1
ANAPC4. 1	4. 45E-05	-0. 11044	0. 06	0. 11	0. 66525	Opc-G	ANAPC4
RP11-539L	4. 50E-05	0. 145375	0. 135	0. 093	0. 672395	Opc-G	RP11-539L10. 3
ITGB2-AS1	4. 52E-05	-0. 15307	0. 004	0. 03	0. 675973	Opc-G	ITGB2-AS1
CDCA8. 7	4. 56E-05	-0. 1034	0. 011	0. 041	0. 681324	Opc-G	CDCA8
ARL10. 6	4. 56E-05	0. 158196	0. 126	0. 086	0. 681435	Opc-G	ARL10
ZNF85. 3	4. 58E-05	0. 113774	0. 123	0. 082	0. 684441	Opc-G	ZNF85
LRRC61. 8	4. 60E-05	-0. 14449	0. 029	0. 066	0. 687533	Opc-G	LRRC61
KIF20B. 6	4. 62E-05	-0. 179	0. 046	0. 09	0. 690648	Opc-G	KIF20B
ARL8B. 4	4. 64E-05	-0. 1347	0. 141	0. 21	0. 69329	Opc-G	ARL8B
CLN6. 7	4. 67E-05	-0. 14516	0. 079	0. 133	0. 697773	Opc-G	CLN6
PRCC. 5	4. 68E-05	0. 105202	0. 348	0. 3	0. 699015	Opc-G	PRCC
ZBTB1. 4	4. 69E-05	0. 134571	0. 212	0. 162	0. 700505	Opc-G	ZBTB1
GSS. 5	4. 71E-05	-0. 13339	0. 168	0. 245	0. 704	Opc-G	GSS
MTFMT. 3	4. 74E-05	-0. 11121	0. 055	0. 103	0. 708563	Opc-G	MTFMT
SLC38A6. 6	4. 76E-05	-0. 12737	0. 055	0. 103	0. 711349	Opc-G	SLC38A6
DHX15. 6	4. 81E-05	0. 128831	0. 291	0. 241	0. 718638	Opc-G	DHX15
GPN1. 4	4. 84E-05	0. 120349	0. 268	0. 221	0. 723444	Opc-G	GPN1
GALNT15. 6	4. 84E-05	-0. 16489	0. 011	0. 041	0. 723636	Opc-G	GALNT15
C16orf91. 4	4. 84E-05	0. 170895	0. 238	0. 193	0. 723959	Opc-G	C16orf91
CNOT6. 3	4. 85E-05	0. 14402	0. 108	0. 071	0. 725237	Opc-G	CNOT6
PXDC1. 5	4. 87E-05	0. 195267	0. 193	0. 149	0. 727701	Opc-G	PXDC1
DENND6B. 1	4. 87E-05	-0. 15517	0. 057	0. 105	0. 728385	Opc-G	DENND6B
PHLDB1. 9	4. 88E-05	0. 121093	0. 186	0. 139	0. 729034	Opc-G	PHLDB1
ASTN1. 5	4. 95E-05	0. 171841	0. 127	0. 089	0. 739953	Opc-G	ASTN1
IRAK4. 4	4. 96E-05	-0. 12367	0. 053	0. 101	0. 741626	Opc-G	IRAK4
MED17. 6	4. 98E-05	0. 142064	0. 236	0. 186	0. 744344	Opc-G	MED17
IMMP1L. 8	5. 00E-05	0. 140552	0. 275	0. 229	0. 747605	Opc-G	IMMP1L
STAT2. 3	5. 09E-05	-0. 1629	0. 087	0. 142	0. 760508	Opc-G	STAT2
SPNS3. 7	5. 14E-05	-0. 11759	0. 001	0. 025	0. 768412	Opc-G	SPNS3
PTGES2. 4	5. 19E-05	0. 154115	0. 309	0. 264	0. 77564	Opc-G	PTGES2
TLK1. 7	5. 22E-05	0. 1787	0. 268	0. 225	0. 78032	Opc-G	TLK1
GXYLT1. 2	5. 26E-05	-0. 10083	0. 029	0. 067	0. 785758	Opc-G	GXYLT1
RBM42. 5	5. 27E-05	0. 107681	0. 433	0. 383	0. 787625	Opc-G	RBM42
CYTH2. 8	5. 28E-05	0. 129225	0. 385	0. 338	0. 788727	Opc-G	CYTH2
AMDHD2. 7	5. 28E-05	-0. 12217	0. 074	0. 126	0. 789345	Opc-G	AMDHD2
TTC38. 4	5. 31E-05	-0. 12782	0. 046	0. 091	0. 793742	Opc-G	TTC38
SETD7. 4	5. 32E-05	-0. 13805	0. 057	0. 106	0. 794275	Opc-G	SETD7
CASP10. 5	5. 32E-05	-0. 11855	0. 003	0. 027	0. 794581	Opc-G	CASP10
ITPR1. 5	5. 34E-05	-0. 10051	0. 008	0. 036	0. 798177	Opc-G	ITPR1
TRIAP1. 7	5. 39E-05	0. 142594	0. 351	0. 311	0. 806046	Opc-G	TRIAP1
IRF3. 3	5. 41E-05	-0. 13361	0. 171	0. 249	0. 808461	Opc-G	IRF3
GRK4. 7	5. 47E-05	0. 138562	0. 137	0. 095	0. 81694	Opc-G	GRK4
FLVCR2. 7	5. 50E-05	-0. 1055	0. 008	0. 036	0. 821846	Opc-G	FLVCR2
GPR155. 8	5. 50E-05	0. 116588	0. 235	0. 184	0. 822594	Opc-G	GPR155
EXOSC8. 8	5. 55E-05	0. 124387	0. 336	0. 286	0. 82954	Opc-G	EXOSC8
STARD7. 5	5. 56E-05	0. 129528	0. 358	0. 313	0. 831047	Opc-G	STARD7
STARD3. 2	5. 58E-05	-0. 15346	0. 183	0. 26	0. 834312	Opc-G	STARD3
STAMPB. 5	5. 62E-05	0. 155989	0. 307	0. 263	0. 840067	Opc-G	STAMPB
PSMD3. 5	5. 62E-05	0. 119528	0. 447	0. 402	0. 840139	Opc-G	PSMD3

RAD21. 9	5. 70E-05	0. 103058	0. 417	0. 363	0. 852548	0pc-G	RAD21
WTAP. 6	5. 77E-05	-0. 21058	0. 354	0. 425	0. 862656	0pc-G	WTAP
GALC. 6	5. 78E-05	-0. 10847	0. 057	0. 105	0. 863922	0pc-G	GALC
AZIN1. 5	5. 80E-05	0. 125363	0. 377	0. 326	0. 867128	0pc-G	AZIN1
PDHB. 4	5. 81E-05	0. 118662	0. 406	0. 36	0. 867618	0pc-G	PDHB
DNASE1. 6	5. 83E-05	0. 114272	0. 119	0. 079	0. 871647	0pc-G	DNASE1
STRN4. 5	5. 87E-05	0. 164558	0. 163	0. 121	0. 876888	0pc-G	STRN4
USO1. 2	5. 90E-05	-0. 15915	0. 15	0. 219	0. 881116	0pc-G	USO1
SEPN1. 7	5. 92E-05	-0. 12364	0. 143	0. 214	0. 884317	0pc-G	SEPN1
SPTY2D1. 3	5. 92E-05	-0. 12249	0. 07	0. 122	0. 885069	0pc-G	SPTY2D1
TAL1. 6	5. 96E-05	-0. 15239	0. 008	0. 036	0. 890193	0pc-G	TAL1
TAB2. 5	5. 97E-05	-0. 12586	0. 077	0. 13	0. 892158	0pc-G	TAB2
APLN. 6	6. 00E-05	-0. 11587	0. 007	0. 034	0. 897356	0pc-G	APLN
C14orf142	6. 07E-05	-0. 12972	0. 094	0. 154	0. 907017	0pc-G	C14orf142
NOC3L. 3	6. 17E-05	-0. 1055	0. 051	0. 097	0. 921666	0pc-G	NOC3L
SKI. 6	6. 17E-05	-0. 14047	0. 097	0. 155	0. 922408	0pc-G	SKI
CNDP1. 8	6. 24E-05	-0. 25597	0. 008	0. 036	0. 932203	0pc-G	CNDP1
UBE2A. 4	6. 30E-05	-0. 1941	0. 337	0. 428	0. 941569	0pc-G	UBE2A
NGFR. 6	6. 33E-05	0. 102128	0. 063	0. 035	0. 945954	0pc-G	NGFR
ANP32A. 1C	6. 34E-05	-0. 22874	0. 351	0. 433	0. 947769	0pc-G	ANP32A
SERPINB8. 6	6. 38E-05	-0. 15318	0. 04	0. 081	0. 954036	0pc-G	SERPINB8
TMEM71. 4	6. 39E-05	-0. 10908	0. 003	0. 027	0. 954505	0pc-G	TMEM71
UROS. 5	6. 39E-05	-0. 13328	0. 18	0. 257	0. 955598	0pc-G	UROS
TGFBR1. 1C	6. 44E-05	-0. 19784	0. 111	0. 165	0. 962376	0pc-G	TGFBR1
NAT14. 6	6. 47E-05	0. 192136	0. 219	0. 177	0. 966682	0pc-G	NAT14
NADK. 5	6. 53E-05	-0. 10675	0. 108	0. 171	0. 975917	0pc-G	NADK
TCN2. 6	6. 56E-05	-0. 17394	0. 056	0. 102	0. 979744	0pc-G	TCN2
ZNF639. 8	6. 60E-05	0. 196736	0. 175	0. 134	0. 986671	0pc-G	ZNF639
AGT. 8	6. 64E-05	-0. 22198	0. 156	0. 224	0. 991588	0pc-G	AGT
NFAM1. 8	6. 65E-05	-0. 1347	0. 008	0. 036	0. 993965	0pc-G	NFAM1
EPHB2. 4	6. 74E-05	0. 107216	0. 122	0. 081	1	0pc-G	EPHB2
EIF3A. 5	6. 75E-05	-0. 1424	0. 253	0. 338	1	0pc-G	EIF3A
CES4A. 2	6. 77E-05	-0. 12471	0	0. 021	1	0pc-G	CES4A
AIG1. 4	6. 83E-05	-0. 20067	0. 257	0. 339	1	0pc-G	AIG1
BRD7. 6	6. 83E-05	0. 174821	0. 295	0. 251	1	0pc-G	BRD7
DMXL1. 2	6. 84E-05	-0. 11143	0. 046	0. 09	1	0pc-G	DMXL1
GRASP. 8	6. 86E-05	-0. 18949	0. 02	0. 054	1	0pc-G	GRASP
SCN1B. 6	6. 86E-05	-0. 16227	0. 034	0. 073	1	0pc-G	SCN1B
NAA20. 4	6. 87E-05	-0. 2055	0. 413	0. 502	1	0pc-G	NAA20
GPLY. 4	6. 88E-05	-0. 18971	0. 005	0. 031	1	0pc-G	GPLY
ZNF513. 3	7. 09E-05	0. 141601	0. 108	0. 071	1	0pc-G	ZNF513
SMIM4. 5	7. 12E-05	-0. 18405	0. 197	0. 272	1	0pc-G	SMIM4
ABHD3. 7	7. 14E-05	-0. 16359	0. 126	0. 186	1	0pc-G	ABHD3
RNASEH1. 6	7. 27E-05	0. 15232	0. 27	0. 226	1	0pc-G	RNASEH1
CXorf38. 4	7. 33E-05	-0. 10655	0. 033	0. 072	1	0pc-G	CXorf38
TTI2. 1	7. 35E-05	0. 127776	0. 094	0. 06	1	0pc-G	TTI2
RP11-51J9	7. 40E-05	0. 146461	0. 183	0. 138	1	0pc-G	RP11-51J9. 5
SGOL1. 8	7. 41E-05	-0. 14052	0. 025	0. 06	1	0pc-G	SGOL1
ANKZF1. 6	7. 41E-05	0. 135855	0. 176	0. 131	1	0pc-G	ANKZF1
PGM2. 6	7. 48E-05	-0. 16079	0. 096	0. 152	1	0pc-G	PGM2
ATM. 6	7. 49E-05	-0. 17205	0. 13	0. 193	1	0pc-G	ATM

AHCYL1.9	7.57E-05	0.128783	0.363	0.325	1 Opc-G	AHCYL1
RNF19B.4	7.57E-05	-0.11898	0.02	0.054	1 Opc-G	RNF19B
SLC46A3.6	7.62E-05	-0.1479	0.025	0.06	1 Opc-G	SLC46A3
ALDH1A1.5	7.63E-05	-0.1388	0.005	0.031	1 Opc-G	ALDH1A1
ABTB1.9	7.83E-05	-0.19593	0.061	0.107	1 Opc-G	ABTB1
RRM2B.2	7.85E-05	-0.11578	0.059	0.106	1 Opc-G	RRM2B
LAPTM4A.6	7.86E-05	-0.2276	0.76	0.773	1 Opc-G	LAPTM4A
RNF220.6	7.89E-05	0.105394	0.193	0.145	1 Opc-G	RNF220
TRNT1.4	7.89E-05	-0.14168	0.081	0.135	1 Opc-G	TRNT1
FTSJ2.6	7.96E-05	0.122395	0.28	0.234	1 Opc-G	FTSJ2
HSPA4L.6	8.02E-05	0.101887	0.108	0.07	1 Opc-G	HSPA4L
ZNF700.1	8.03E-05	-0.10442	0.02	0.054	1 Opc-G	ZNF700
TSC2.6	8.11E-05	0.154243	0.176	0.133	1 Opc-G	TSC2
PPP1R35.9	8.24E-05	0.177593	0.197	0.155	1 Opc-G	PPP1R35
IL6ST.9	8.26E-05	-0.14695	0.183	0.258	1 Opc-G	IL6ST
PNPLA2.5	8.27E-05	-0.1247	0.148	0.216	1 Opc-G	PNPLA2
TMEM126B.8	8.29E-05	-0.17067	0.231	0.314	1 Opc-G	TMEM126B
LTB4R.8	8.30E-05	-0.11038	0.008	0.035	1 Opc-G	LTB4R
MSH2.6	8.48E-05	0.144446	0.156	0.113	1 Opc-G	MSH2
RP11-73E1	8.49E-05	0.14781	0.07	0.041	1 Opc-G	RP11-73E17.2
CDK5R2.7	8.50E-05	0.116933	0.059	0.032	1 Opc-G	CDK5R2
INADL.8	8.51E-05	-0.10652	0.031	0.069	1 Opc-G	INADL
ZNF222.3	8.56E-05	0.11075	0.083	0.051	1 Opc-G	ZNF222
IMP4.3	8.67E-05	0.107249	0.395	0.356	1 Opc-G	IMP4
LMNA.6	8.69E-05	-0.18423	0.343	0.421	1 Opc-G	LMNA
CLEC10A.5	8.75E-05	-0.11505	0	0.021	1 Opc-G	CLEC10A
OTUD6B.6	8.75E-05	0.199965	0.157	0.117	1 Opc-G	OTUD6B
HSPBP1.6	8.77E-05	0.152991	0.327	0.285	1 Opc-G	HSPBP1
F11R.9	8.86E-05	-0.15736	0.025	0.059	1 Opc-G	F11R
CACNA2D3.8	8.86E-05	-0.11353	0.007	0.033	1 Opc-G	CACNA2D3
DUS4L.7	8.97E-05	0.182893	0.113	0.077	1 Opc-G	DUS4L
TRO.5	9.00E-05	0.10904	0.094	0.06	1 Opc-G	TRO
CDK14.6	9.01E-05	0.181201	0.112	0.076	1 Opc-G	CDK14
WHAMM.2	9.04E-05	-0.10603	0.061	0.11	1 Opc-G	WHAMM
IDH3A.2	9.10E-05	-0.10475	0.115	0.178	1 Opc-G	IDH3A
ADAMDEC1.9	9.14E-05	-0.16681	0.011	0.039	1 Opc-G	ADAMDEC1
PTGDS.7	9.21E-05	-0.2706	0.235	0.166	1 Opc-G	PTGDS
SLC2A1.7	9.27E-05	-0.10262	0.086	0.141	1 Opc-G	SLC2A1
MANEAL.1	9.40E-05	0.123186	0.066	0.038	1 Opc-G	MANEAL
TNNI2.7	9.41E-05	-0.10584	0	0.02	1 Opc-G	TNNI2
SLAMF9.6	9.41E-05	-0.1233	0	0.02	1 Opc-G	SLAMF9
SAR1B.5	9.53E-05	-0.17116	0.24	0.327	1 Opc-G	SAR1B
PPIL1.6	9.61E-05	0.157811	0.235	0.192	1 Opc-G	PPIL1
KAT2B.5	9.71E-05	0.140313	0.105	0.07	1 Opc-G	KAT2B
FASTKD1.2	9.72E-05	0.14129	0.109	0.073	1 Opc-G	FASTKD1
SCARF1.8	9.75E-05	-0.10952	0.004	0.028	1 Opc-G	SCARF1
ADPRH.6	9.78E-05	-0.10161	0.008	0.035	1 Opc-G	ADPRH
GRPEL1.4	9.81E-05	-0.11408	0.195	0.275	1 Opc-G	GRPEL1
LRP3.2	9.82E-05	0.121632	0.092	0.058	1 Opc-G	LRP3
TRIM69.3	9.88E-05	-0.12515	0.135	0.202	1 Opc-G	TRIM69
PEMT.7	9.90E-05	0.16885	0.253	0.21	1 Opc-G	PEMT

CRIP1.8	9.95E-05	-0.20041	0.012	0.041	1 Opc-G	CRIP1
SLC27A3.5	0.0001	-0.10066	0.074	0.126	1 Opc-G	SLC27A3
BOC.7	0.000102	0.226468	0.119	0.084	1 Opc-G	BOC
TJP2.5	0.000102	-0.10706	0.022	0.055	1 Opc-G	TJP2
PDE1C.5	0.000103	-0.10372	0.012	0.041	1 Opc-G	PDE1C
RP11-353N	0.000103	-0.10595	0.001	0.023	1 Opc-G	RP11-353N4.5
MYRF.8	0.000103	-0.15579	0.007	0.032	1 Opc-G	MYRF
ZNF414.9	0.000104	0.179911	0.224	0.183	1 Opc-G	ZNF414
SUOX.1	0.000104	0.108766	0.075	0.045	1 Opc-G	SUOX
POMP.4	0.000105	-0.16585	0.751	0.734	1 Opc-G	POMP
SEC23IP.2	0.000105	-0.12296	0.041	0.081	1 Opc-G	SEC23IP
ATOX1.6	0.000106	-0.21625	0.557	0.608	1 Opc-G	ATOX1
PSTPIP1.8	0.000106	-0.13717	0.014	0.043	1 Opc-G	PSTPIP1
HP.5	0.000107	-0.30843	0.003	0.025	1 Opc-G	HP
VIMP.4	0.000107	-0.22087	0.389	0.461	1 Opc-G	VIMP
MOSPD2.4	0.000109	-0.10459	0.064	0.112	1 Opc-G	MOSPD2
TMEM178A.	0.000109	0.119878	0.158	0.116	1 Opc-G	TMEM178A
UBTD2.6	0.000109	0.163961	0.142	0.103	1 Opc-G	UBTD2
CD3D.6	0.000109	-0.21306	0	0.02	1 Opc-G	CD3D
RPUSD1.5	0.000109	0.161166	0.173	0.131	1 Opc-G	RPUSD1
RABIF.3	0.000109	-0.14552	0.123	0.185	1 Opc-G	RABIF
PTCH2.2	0.00011	-0.10267	0.005	0.03	1 Opc-G	PTCH2
AIM1.6	0.00011	-0.14885	0.01	0.036	1 Opc-G	AIM1
DPH5.3	0.000111	0.133014	0.206	0.162	1 Opc-G	DPH5
GNA12.1	0.000111	0.166976	0.175	0.134	1 Opc-G	GNA12
MAP7.7	0.000111	-0.17791	0.012	0.041	1 Opc-G	MAP7
ZFP14.7	0.000112	0.121371	0.15	0.109	1 Opc-G	ZFP14
MAP3K11.6	0.000112	-0.13995	0.126	0.186	1 Opc-G	MAP3K11
NETO2.6	0.000113	0.204799	0.198	0.159	1 Opc-G	NETO2
FPR2.7	0.000113	-0.10196	0	0.02	1 Opc-G	FPR2
PSMG3-AS1	0.000116	0.137749	0.079	0.049	1 Opc-G	PSMG3-AS1
MPC2.5	0.000116	-0.25518	0.52	0.586	1 Opc-G	MPC2
MCAT.8	0.000116	0.226518	0.165	0.126	1 Opc-G	MCAT
EXOC5.3	0.000118	0.165986	0.219	0.177	1 Opc-G	EXOC5
TAF6.6	0.000118	0.121345	0.279	0.233	1 Opc-G	TAF6
PIK3CD.7	0.00012	-0.10702	0.007	0.032	1 Opc-G	PIK3CD
KIAA0101.	0.00012	-0.22412	0.074	0.12	1 Opc-G	KIAA0101
C11orf54	0.00012	0.139504	0.154	0.112	1 Opc-G	C11orf54
ZNF394.3	0.000121	0.103985	0.186	0.139	1 Opc-G	ZNF394
FAM50A.4	0.000122	-0.14523	0.294	0.378	1 Opc-G	FAM50A
VAR5.3	0.000122	0.168962	0.198	0.155	1 Opc-G	VAR5
KCND3.7	0.000123	0.140482	0.087	0.056	1 Opc-G	KCND3
COG5.2	0.000125	0.123002	0.137	0.097	1 Opc-G	COG5
CABIN1.3	0.000125	-0.11718	0.083	0.136	1 Opc-G	CABIN1
C16orf89.	0.000126	-0.10778	0	0.02	1 Opc-G	C16orf89
TRMT13.5	0.000126	0.127392	0.176	0.134	1 Opc-G	TRMT13
HLTF.8	0.000127	0.196492	0.21	0.171	1 Opc-G	HLTF
CLIP1.3	0.000127	-0.11047	0.148	0.218	1 Opc-G	CLIP1
SPEN.5	0.000128	0.149575	0.201	0.156	1 Opc-G	SPEN
EGLN2.3	0.000128	-0.16474	0.212	0.288	1 Opc-G	EGLN2
NOL10.5	0.000129	0.147768	0.194	0.152	1 Opc-G	NOL10

SSSCA1.3	0.000131	-0.15581	0.128	0.191	1 Opc-G	SSSCA1
ZFAND6.3	0.000132	-0.21267	0.373	0.455	1 Opc-G	ZFAND6
FMN1.9	0.000132	-0.11625	0.008	0.034	1 Opc-G	FMN1
TMEM150A.	0.000132	-0.15524	0.097	0.153	1 Opc-G	TMEM150A
GNG10.5	0.000132	-0.2233	0.038	0.076	1 Opc-G	GNG10
NUP98.1	0.000132	-0.1454	0.056	0.1	1 Opc-G	NUP98
CUTC.3	0.000134	-0.13641	0.078	0.128	1 Opc-G	CUTC
B3GAT3.3	0.000135	-0.17663	0.302	0.384	1 Opc-G	B3GAT3
OSER1-AS1	0.000136	0.169613	0.169	0.129	1 Opc-G	OSER1-AS1
ERF.7	0.000136	0.154826	0.217	0.174	1 Opc-G	ERF
HRSP12.7	0.000136	0.173525	0.236	0.195	1 Opc-G	HRSP12
RP11-115C	0.000136	0.139116	0.12	0.083	1 Opc-G	RP11-115C21.2
SYTL2.7	0.000139	-0.15736	0.04	0.078	1 Opc-G	SYTL2
CDC26.5	0.000139	-0.15647	0.191	0.267	1 Opc-G	CDC26
PMEPA1.9	0.00014	-0.1736	0.148	0.205	1 Opc-G	PMEPA1
ACAA1.3	0.00014	0.124611	0.388	0.346	1 Opc-G	ACAA1
CARD11.8	0.00014	-0.10045	0.005	0.029	1 Opc-G	CARD11
USP14.4	0.000141	-0.10827	0.189	0.262	1 Opc-G	USP14
NAV3.4	0.000144	-0.10205	0.005	0.029	1 Opc-G	NAV3
RP11-597D	0.000144	-0.13142	0.003	0.025	1 Opc-G	RP11-597D13.8
PJA2.8	0.000144	-0.14351	0.268	0.34	1 Opc-G	PJA2
WDR55.3	0.000144	-0.14458	0.072	0.12	1 Opc-G	WDR55
HMG2.2	0.000145	-0.2449	0.568	0.636	1 Opc-G	HMG2
ACOT7.8	0.000148	0.148467	0.269	0.224	1 Opc-G	ACOT7
CTC-444N2	0.000149	0.165484	0.172	0.132	1 Opc-G	CTC-444N24.11
APOA1BP.3	0.000149	0.125642	0.41	0.373	1 Opc-G	APOA1BP
CCDC97.1	0.000149	0.134387	0.141	0.101	1 Opc-G	CCDC97
EIF5A.4	0.000149	-0.18632	0.464	0.531	1 Opc-G	EIF5A
RNF166.7	0.000153	-0.18402	0.133	0.188	1 Opc-G	RNF166
IRF2.4	0.000153	-0.13971	0.138	0.202	1 Opc-G	IRF2
CUL3.6	0.000153	0.157069	0.239	0.197	1 Opc-G	CUL3
TMEM154.1	0.000153	-0.1229	0.023	0.056	1 Opc-G	TMEM154
HSP90B1.6	0.000154	-0.19909	0.63	0.66	1 Opc-G	HSP90B1
LACC1.6	0.000155	-0.11364	0.01	0.036	1 Opc-G	LACC1
LILRB3.7	0.000156	-0.14246	0.014	0.042	1 Opc-G	LILRB3
ARAP2.5	0.000157	-0.10178	0.046	0.088	1 Opc-G	ARAP2
ZFYVE19.4	0.000157	-0.11771	0.063	0.11	1 Opc-G	ZFYVE19
DENND4B.6	0.000157	-0.10566	0.034	0.071	1 Opc-G	DENND4B
GPBP1L1.5	0.000157	-0.13331	0.145	0.21	1 Opc-G	GPBP1L1
PPM1N.5	0.000158	-0.1262	0.012	0.04	1 Opc-G	PPM1N
DNAJC11.2	0.000158	0.117974	0.138	0.099	1 Opc-G	DNAJC11
TRUB1.1	0.000159	0.107113	0.083	0.052	1 Opc-G	TRUB1
LRCH4.9	0.000159	-0.18685	0.137	0.192	1 Opc-G	LRCH4
YPEL2.4	0.000162	-0.1588	0.036	0.072	1 Opc-G	YPEL2
SYMPK.6	0.000163	0.170898	0.262	0.22	1 Opc-G	SYMPK
MRO.6	0.000164	-0.1128	0.001	0.022	1 Opc-G	MRO
LAGE3.3	0.000164	-0.16258	0.322	0.404	1 Opc-G	LAGE3
SERINC2.6	0.000168	0.1089	0.158	0.117	1 Opc-G	SERINC2
C1orf228.	0.000168	-0.12065	0.008	0.033	1 Opc-G	C1orf228
NDP.8	0.000174	0.161207	0.148	0.109	1 Opc-G	NDP
SLC03A1.3	0.000174	-0.11758	0.008	0.033	1 Opc-G	SLC03A1



RCN3. 1	0.000176	-0.11503	0.027	0.061	1 Opc-G	RCN3
TNFRSF10E	0.000176	-0.1953	0.063	0.105	1 Opc-G	TNFRSF10B
SLC38A10.	0.000177	-0.13257	0.141	0.202	1 Opc-G	SLC38A10
SNAP29. 6	0.000178	-0.10263	0.158	0.229	1 Opc-G	SNAP29
EBPL. 7	0.000179	0.162676	0.337	0.3	1 Opc-G	EBPL
C6orf62. 6	0.000179	-0.17505	0.384	0.456	1 Opc-G	C6orf62
RPRD1A. 6	0.000179	0.157595	0.247	0.205	1 Opc-G	RPRD1A
MAP2K7. 4	0.00018	0.129124	0.238	0.193	1 Opc-G	MAP2K7
TAF12. 4	0.00018	-0.15055	0.236	0.314	1 Opc-G	TAF12
RNF41. 3	0.00018	0.143876	0.206	0.164	1 Opc-G	RNF41
HAAO. 9	0.000181	-0.11119	0.003	0.024	1 Opc-G	HAAO
DRG1. 4	0.000182	0.143836	0.284	0.243	1 Opc-G	DRG1
FGF20. 5	0.000182	-0.11232	0	0.019	1 Opc-G	FGF20
NAGK. 7	0.000182	-0.23387	0.317	0.386	1 Opc-G	NAGK
TRAF3IP2.	0.000183	0.172808	0.13	0.093	1 Opc-G	TRAF3IP2
HCG18. 6	0.000187	0.164152	0.148	0.11	1 Opc-G	HCG18
ALG8. 3	0.000187	-0.1065	0.12	0.183	1 Opc-G	ALG8
CEACAM21.	0.000189	-0.10217	0.001	0.021	1 Opc-G	CEACAM21
CYB5B. 6	0.000189	-0.14398	0.255	0.343	1 Opc-G	CYB5B
AQP4. 9	0.000189	-0.15565	0.112	0.169	1 Opc-G	AQP4
GPR162. 8	0.00019	0.167417	0.137	0.1	1 Opc-G	GPR162
SLC38A7. 4	0.00019	0.117687	0.146	0.106	1 Opc-G	SLC38A7
PAPSS2. 4	0.000191	-0.10182	0.003	0.024	1 Opc-G	PAPSS2
BAP1. 3	0.000192	0.140279	0.178	0.137	1 Opc-G	BAP1
ZNF527. 2	0.000192	0.107269	0.071	0.043	1 Opc-G	ZNF527
DHRS9. 5	0.000192	-0.16098	0.003	0.024	1 Opc-G	DHRS9
RP11-514C	0.000193	-0.10185	0.005	0.029	1 Opc-G	RP11-514012. 4
COG4. 6	0.000196	0.146269	0.231	0.188	1 Opc-G	COG4
MBLAC1. 1	0.000197	0.101628	0.042	0.022	1 Opc-G	MBLAC1
MT1H. 3	0.000197	-0.11918	0.001	0.021	1 Opc-G	MT1H
YIF1B. 3	0.000199	-0.15786	0.254	0.338	1 Opc-G	YIF1B
ZNF568. 7	0.000199	0.127538	0.134	0.096	1 Opc-G	ZNF568
NAP1L3. 7	0.000199	0.110895	0.141	0.099	1 Opc-G	NAP1L3
NME7. 10	0.0002	0.155106	0.199	0.159	1 Opc-G	NME7
TMEM57. 7	0.000201	0.153397	0.217	0.172	1 Opc-G	TMEM57
AK3. 2	0.000203	0.155041	0.275	0.235	1 Opc-G	AK3
IGFBP6. 7	0.000204	-0.16223	0.033	0.068	1 Opc-G	IGFBP6
PPARG. 7	0.000206	-0.10041	0.004	0.026	1 Opc-G	PPARG
KCNAB2. 8	0.000207	-0.14137	0.041	0.079	1 Opc-G	KCNAB2
POM121C. 6	0.000208	0.146553	0.179	0.138	1 Opc-G	POM121C
DFFA. 4	0.000209	0.112396	0.258	0.217	1 Opc-G	DFFA
HSPB8. 6	0.00021	-0.14582	0.014	0.041	1 Opc-G	HSPB8
NPAS3. 9	0.00021	0.179163	0.195	0.156	1 Opc-G	NPAS3
C18orf8. 4	0.000211	-0.10294	0.07	0.116	1 Opc-G	C18orf8
MKNK2. 4	0.000211	-0.11005	0.127	0.188	1 Opc-G	MKNK2
PARP2. 6	0.000214	0.140783	0.149	0.108	1 Opc-G	PARP2
CSNK2A1. 7	0.000215	0.130201	0.35	0.314	1 Opc-G	CSNK2A1
TSC22D3. 8	0.000215	-0.30605	0.421	0.459	1 Opc-G	TSC22D3
RP11-395A	0.000217	0.122009	0.108	0.074	1 Opc-G	RP11-395A13. 2
TM7SF3. 4	0.000219	-0.10967	0.183	0.255	1 Opc-G	TM7SF3
ADSL. 5	0.000219	0.12672	0.296	0.254	1 Opc-G	ADSL

RAPH1.3	0.00022	-0.10274	0.033	0.068	1 Opc-G	RAPH1
ADRBK2.8	0.000221	-0.12106	0.023	0.055	1 Opc-G	ADRBK2
ODF2L.4	0.000222	-0.14627	0.122	0.178	1 Opc-G	ODF2L
RP11-452F	0.000222	-0.19757	0.083	0.13	1 Opc-G	RP11-452F19.3
IFT52.7	0.000222	0.152193	0.291	0.254	1 Opc-G	IFT52
CHDH.3	0.000222	0.120339	0.097	0.064	1 Opc-G	CHDH
ZNF626.6	0.000223	0.14911	0.179	0.14	1 Opc-G	ZNF626
NECAP1.7	0.000223	0.107166	0.243	0.195	1 Opc-G	NECAP1
PRRG4.8	0.000223	-0.14052	0.018	0.047	1 Opc-G	PRRG4
ZNF274.5	0.000224	0.105929	0.15	0.109	1 Opc-G	ZNF274
LPCAT1.5	0.000224	0.155986	0.223	0.179	1 Opc-G	LPCAT1
TLN2.5	0.000227	-0.13893	0.055	0.096	1 Opc-G	TLN2
CTPS1.7	0.000228	0.123019	0.142	0.103	1 Opc-G	CTPS1
DGCR6.4	0.000228	0.17061	0.19	0.151	1 Opc-G	DGCR6
MS4A14.7	0.000229	-0.10227	0.003	0.023	1 Opc-G	MS4A14
NKX6-2.8	0.000233	-0.17179	0.004	0.026	1 Opc-G	NKX6-2
TSPYL4.6	0.000234	0.112848	0.139	0.101	1 Opc-G	TSPYL4
IGF2BP2.7	0.000235	0.146392	0.112	0.078	1 Opc-G	IGF2BP2
GPRC5B.8	0.000236	0.129277	0.258	0.216	1 Opc-G	GPRC5B
RETN.7	0.000239	-0.10732	0.001	0.021	1 Opc-G	RETN
ELAVL1.5	0.000239	0.112176	0.383	0.341	1 Opc-G	ELAVL1
EVL.6	0.00024	-0.27259	0.299	0.355	1 Opc-G	EVL
NHSL2.5	0.00024	-0.34959	0.023	0.054	1 Opc-G	NHSL2
ANXA5.6	0.000241	-0.14552	0.732	0.726	1 Opc-G	ANXA5
RP11-160C	0.000241	-0.11554	0.007	0.03	1 Opc-G	RP11-16005.1
TPSAB1.5	0.000242	-0.14265	0.003	0.023	1 Opc-G	TPSAB1
SPHK2.6	0.000244	0.143864	0.165	0.126	1 Opc-G	SPHK2
MGMT.9	0.000245	-0.19109	0.104	0.155	1 Opc-G	MGMT
PRKD1.5	0.000247	0.109518	0.078	0.049	1 Opc-G	PRKD1
UNC119.5	0.000248	-0.11613	0.156	0.221	1 Opc-G	UNC119
HSF2.6	0.000251	0.11312	0.157	0.115	1 Opc-G	HSF2
NAP1L1.5	0.000253	-0.17896	0.648	0.676	1 Opc-G	NAP1L1
MBP.5	0.000254	-0.27461	0.316	0.233	1 Opc-G	MBP
FAHD2A.4	0.000254	0.122618	0.21	0.17	1 Opc-G	FAHD2A
PLAGL1.7	0.000254	-0.12676	0.015	0.043	1 Opc-G	PLAGL1
TOPORS.6	0.000255	0.123173	0.221	0.176	1 Opc-G	TOPORS
HAUS4.10	0.000256	-0.17245	0.03	0.063	1 Opc-G	HAUS4
C5orf24.8	0.000258	0.123618	0.333	0.294	1 Opc-G	C5orf24
RERE.8	0.000264	0.133533	0.251	0.208	1 Opc-G	RERE
C10orf76.	0.000265	-0.11636	0.026	0.058	1 Opc-G	C10orf76
ADAP1.4	0.000265	-0.12312	0.015	0.042	1 Opc-G	ADAP1
MDM4.5	0.000267	0.109849	0.29	0.243	1 Opc-G	MDM4
GNPAT.6	0.00027	0.119827	0.277	0.237	1 Opc-G	GNPAT
FKBP5.10	0.000272	-0.20384	0.254	0.321	1 Opc-G	FKBP5
CCDC77.1	0.000272	0.114401	0.086	0.055	1 Opc-G	CCDC77
SLC35F6.5	0.000273	-0.12775	0.15	0.213	1 Opc-G	SLC35F6
CARNS1.8	0.000275	-0.2023	0.007	0.03	1 Opc-G	CARNS1
PLRG1.6	0.000279	0.121115	0.277	0.235	1 Opc-G	PLRG1
VPS45.4	0.00028	0.143836	0.206	0.166	1 Opc-G	VPS45
CD2.7	0.000282	-0.17167	0.001	0.02	1 Opc-G	CD2
DUT.8	0.000283	-0.1622	0.391	0.459	1 Opc-G	DUT

TWSG1.3	0.000287	-0.11955	0.109	0.166	1 Opc-G	TWSG1
PIK3IP1.8	0.00029	-0.28642	0.119	0.164	1 Opc-G	PIK3IP1
MED27.4	0.000291	0.146129	0.189	0.148	1 Opc-G	MED27
SNX18.6	0.000297	-0.11644	0.071	0.116	1 Opc-G	SNX18
TTC5.1	0.000298	0.1141	0.133	0.095	1 Opc-G	TTC5
SAMD4B.6	0.000298	0.129742	0.261	0.22	1 Opc-G	SAMD4B
SLC39A3.7	0.000299	0.127967	0.38	0.335	1 Opc-G	SLC39A3
CPPED1.1C	0.000299	-0.15919	0.036	0.07	1 Opc-G	CPPED1
KHSRP.7	0.0003	0.135937	0.275	0.236	1 Opc-G	KHSRP
LMF1.1	0.000301	0.131729	0.137	0.1	1 Opc-G	LMF1
KIF22.5	0.000302	-0.18762	0.142	0.2	1 Opc-G	KIF22
ALDH16A1.	0.000302	-0.12401	0.077	0.122	1 Opc-G	ALDH16A1
COX14.6	0.000305	-0.20363	0.381	0.465	1 Opc-G	COX14
LGALSL.7	0.000307	0.117688	0.092	0.061	1 Opc-G	LGALSL
LDLRAD4.8	0.000308	-0.23283	0.102	0.149	1 Opc-G	LDLRAD4
DDB1.2	0.00031	0.102695	0.331	0.287	1 Opc-G	DDB1
SLC2A6.4	0.000311	0.110027	0.101	0.068	1 Opc-G	SLC2A6
DDIT4.9	0.000311	-0.28163	0.37	0.411	1 Opc-G	DDIT4
ASPA.2	0.000313	-0.14429	0.005	0.027	1 Opc-G	ASPA
NDUF2AF2.6	0.000313	0.117371	0.309	0.27	1 Opc-G	NDUF2AF2
SLC43A3.4	0.000313	-0.14931	0.092	0.14	1 Opc-G	SLC43A3
FPGS.4	0.000314	-0.10343	0.1	0.153	1 Opc-G	FPGS
EFCAB7.5	0.000316	0.132938	0.1	0.067	1 Opc-G	EFCAB7
PLXNC1.1C	0.000316	-0.11457	0.034	0.068	1 Opc-G	PLXNC1
BRI3.5	0.000318	-0.1664	0.422	0.471	1 Opc-G	BRI3
ZNF397.7	0.000318	0.124905	0.202	0.16	1 Opc-G	ZNF397
ATP5SL.4	0.000322	0.150876	0.266	0.228	1 Opc-G	ATP5SL
KNSTRN.5	0.000323	-0.10015	0.044	0.082	1 Opc-G	KNSTRN
SUPT16H.8	0.000323	0.115914	0.29	0.246	1 Opc-G	SUPT16H
RP11-472N	0.000327	0.106946	0.143	0.105	1 Opc-G	RP11-472N13.3
CCDC85B.4	0.000328	0.105918	0.464	0.41	1 Opc-G	CCDC85B
LTA4H.8	0.00033	-0.19004	0.173	0.233	1 Opc-G	LTA4H
YTHDC1.6	0.00033	0.127266	0.34	0.3	1 Opc-G	YTHDC1
KDM4A.3	0.000332	0.13665	0.148	0.11	1 Opc-G	KDM4A
ATP2B4.1	0.000337	0.120919	0.139	0.102	1 Opc-G	ATP2B4
SERTAD2.4	0.00034	0.137563	0.157	0.118	1 Opc-G	SERTAD2
EEF1A2.2	0.000341	0.120057	0.061	0.036	1 Opc-G	EEF1A2
SSBP4.6	0.000341	-0.10216	0.201	0.275	1 Opc-G	SSBP4
RBMX2.4	0.000342	0.160637	0.272	0.233	1 Opc-G	RBMX2
SCARB1.5	0.000344	-0.13	0.067	0.11	1 Opc-G	SCARB1
ATP6V1C1.	0.000344	-0.12572	0.179	0.248	1 Opc-G	ATP6V1C1
CTC-479C5	0.000344	-0.1522	0.023	0.053	1 Opc-G	CTC-479C5.12
TCERG1.6	0.000347	0.161613	0.242	0.202	1 Opc-G	TCERG1
AGAP3.6	0.000349	0.10636	0.135	0.097	1 Opc-G	AGAP3
TTC27.2	0.000349	0.115173	0.109	0.076	1 Opc-G	TTC27
CEPT1.2	0.000349	-0.12319	0.105	0.158	1 Opc-G	CEPT1
VWA5A.3	0.00035	-0.10173	0.052	0.092	1 Opc-G	VWA5A
ELP6.5	0.000351	0.136294	0.253	0.212	1 Opc-G	ELP6
PAK1IP1.7	0.000355	0.142726	0.253	0.213	1 Opc-G	PAK1IP1
CHN1.9	0.000357	0.162341	0.253	0.213	1 Opc-G	CHN1
KITLG.4	0.00036	0.126872	0.067	0.041	1 Opc-G	KITLG

CA3.6	0.000374	-0.21159	0.015	0.042	1 Opc-G	CA3
C19orf60.	0.000375	-0.1655	0.443	0.506	1 Opc-G	C19orf60
BRAT1.5	0.000379	0.119026	0.224	0.181	1 Opc-G	BRAT1
TP53I11.7	0.00038	-0.11933	0.04	0.075	1 Opc-G	TP53I11
RP11-84C1	0.000382	-0.10871	0.001	0.02	1 Opc-G	RP11-84C10.2
PPIF.8	0.000382	-0.19115	0.171	0.224	1 Opc-G	PPIF
D2HGDH.3	0.000384	0.141105	0.142	0.106	1 Opc-G	D2HGDH
GPD1.9	0.000386	0.103184	0.075	0.046	1 Opc-G	GPD1
UBXN2B.5	0.000389	-0.15353	0.104	0.154	1 Opc-G	UBXN2B
CMTM6.10	0.00039	-0.2383	0.367	0.43	1 Opc-G	CMTM6
ALDH1L1.9	0.000395	0.160651	0.093	0.062	1 Opc-G	ALDH1L1
GEMIN2.4	0.000396	0.197724	0.143	0.108	1 Opc-G	GEMIN2
FRMD4A.9	0.000396	-0.25429	0.143	0.191	1 Opc-G	FRMD4A
AC018647.	0.000397	-0.17646	0.016	0.043	1 Opc-G	AC018647.3
ACTR3.6	0.000398	-0.19275	0.492	0.564	1 Opc-G	ACTR3
TSEN15.5	0.000401	0.154515	0.268	0.231	1 Opc-G	TSEN15
C9orf72.8	0.000403	-0.20864	0.107	0.153	1 Opc-G	C9orf72
ZC3H7A.5	0.000407	0.144639	0.186	0.147	1 Opc-G	ZC3H7A
UBE2T.9	0.000408	-0.11802	0.083	0.13	1 Opc-G	UBE2T
ZNF746.2	0.00041	0.100027	0.097	0.065	1 Opc-G	ZNF746
NUP188.1	0.000412	0.120442	0.113	0.08	1 Opc-G	NUP188
ZMYND8.7	0.000413	0.156674	0.243	0.205	1 Opc-G	ZMYND8
DIRAS2.7	0.000414	0.1444	0.092	0.061	1 Opc-G	DIRAS2
CA9.6	0.000416	-0.10441	0.015	0.042	1 Opc-G	CA9
PROSER1.3	0.000418	0.151435	0.104	0.072	1 Opc-G	PROSER1
BIRC5.10	0.000422	-0.18867	0.067	0.107	1 Opc-G	BIRC5
FARSA.5	0.000429	0.103796	0.357	0.317	1 Opc-G	FARSA
HYAL2.10	0.000433	0.14654	0.258	0.22	1 Opc-G	HYAL2
UBE2K.3	0.000433	-0.12361	0.225	0.304	1 Opc-G	UBE2K
SMIM12.4	0.000433	-0.12124	0.228	0.307	1 Opc-G	SMIM12
RP11-212I	0.000438	-0.11269	0.004	0.024	1 Opc-G	RP11-212I21.4
RP13-516M	0.000441	-0.11332	0.01	0.033	1 Opc-G	RP13-516M14.4
MARC1.8	0.000442	0.137686	0.086	0.057	1 Opc-G	1-Mar
RUVBL2.5	0.000446	0.11287	0.351	0.316	1 Opc-G	RUVBL2
GPRASP2.7	0.000447	0.110841	0.094	0.063	1 Opc-G	GPRASP2
SNAPC1.5	0.00045	-0.12139	0.133	0.192	1 Opc-G	SNAPC1
SFXN5.8	0.000453	-0.15099	0.134	0.192	1 Opc-G	SFXN5
PTTG1IP.4	0.000455	-0.15154	0.391	0.46	1 Opc-G	PTTG1IP
ACAD10	0.000459	0.149651	0.096	0.065	1 Opc-G	ACAD10
UBIAD1.2	0.000466	0.105932	0.135	0.099	1 Opc-G	UBIAD1
SURF2.7	0.000469	0.149915	0.268	0.229	1 Opc-G	SURF2
SOX21-AS1	0.000471	0.167379	0.092	0.063	1 Opc-G	SOX21-AS1
TRAPPC6A.	0.000471	0.107021	0.298	0.256	1 Opc-G	TRAPPC6A
SARM1.1	0.000473	0.135349	0.09	0.061	1 Opc-G	SARM1
MLLT3.7	0.000474	0.109418	0.127	0.092	1 Opc-G	MLLT3
NUDT16L1.	0.000477	0.136264	0.316	0.279	1 Opc-G	NUDT16L1
DNAAF1.6	0.000477	-0.15605	0.007	0.028	1 Opc-G	DNAAF1
RASA2.4	0.000485	-0.10207	0.042	0.078	1 Opc-G	RASA2
CD70.3	0.000488	-0.1172	0.003	0.022	1 Opc-G	CD70
PHKB.3	0.000494	0.154135	0.228	0.19	1 Opc-G	PHKB
TRAPPC12.	0.000499	0.153725	0.234	0.195	1 Opc-G	TRAPPC12

EXOG. 8	0.000501	0.149521	0.191	0.154	1 Opc-G	EXOG
ZNF682. 6	0.000501	0.123981	0.107	0.074	1 Opc-G	ZNF682
EREG. 3	0.000502	-0.13552	0.005	0.026	1 Opc-G	EREG
LRPPRC. 4	0.000502	0.14178	0.204	0.165	1 Opc-G	LRPPRC
RINT1. 7	0.00051	0.117624	0.128	0.093	1 Opc-G	RINT1
ZNF853. 6	0.000511	0.114384	0.072	0.046	1 Opc-G	ZNF853
C3orf14. 6	0.000521	0.15851	0.302	0.262	1 Opc-G	C3orf14
NOM01. 2	0.000525	0.130691	0.134	0.099	1 Opc-G	NOM01
ACSS1. 5	0.000526	0.122823	0.134	0.098	1 Opc-G	ACSS1
CD3E. 5	0.000527	-0.16241	0.001	0.019	1 Opc-G	CD3E
TOR1AIP2. 0	0.000528	-0.13364	0.189	0.255	1 Opc-G	TOR1AIP2
CTD-2090I	0.000534	-0.36794	0.026	0.055	1 Opc-G	CTD-2090I13. 1
AARSD1. 6	0.000536	0.125114	0.139	0.103	1 Opc-G	AARSD1
ELOVL4. 8	0.000537	0.125512	0.111	0.078	1 Opc-G	ELOVL4
RGL1. 5	0.000539	-0.11008	0.051	0.088	1 Opc-G	RGL1
ERCC3. 3	0.000542	0.143671	0.18	0.142	1 Opc-G	ERCC3
TANK. 2	0.000562	-0.16072	0.258	0.336	1 Opc-G	TANK
SLC25A17. 0	0.000563	0.166565	0.191	0.155	1 Opc-G	SLC25A17
VPS41. 4	0.000564	0.119479	0.24	0.198	1 Opc-G	VPS41
SMARCA2. 3	0.000567	-0.16757	0.092	0.137	1 Opc-G	SMARCA2
GAL3ST3. 8	0.000568	0.133338	0.086	0.057	1 Opc-G	GAL3ST3
UBE2D3. 7	0.000572	-0.2112	0.719	0.728	1 Opc-G	UBE2D3
CKAP4. 8	0.000589	0.167936	0.242	0.207	1 Opc-G	CKAP4
PRPF8. 3	0.000599	0.120001	0.292	0.254	1 Opc-G	PRPF8
CLCN3. 8	0.0006	0.130789	0.283	0.246	1 Opc-G	CLCN3
LEO1. 4	0.000606	0.141842	0.178	0.142	1 Opc-G	LEO1
KLHL22. 4	0.000609	0.125646	0.119	0.086	1 Opc-G	KLHL22
ZNF33A. 4	0.000611	-0.11564	0.063	0.103	1 Opc-G	ZNF33A
TIPRL. 5	0.000615	-0.14838	0.201	0.27	1 Opc-G	TIPRL
SLC10A4. 9	0.000619	0.182031	0.126	0.095	1 Opc-G	SLC10A4
SCRN1. 9	0.000626	0.148502	0.213	0.177	1 Opc-G	SCRN1
TMEM106C. 0	0.000628	-0.14928	0.204	0.27	1 Opc-G	TMEM106C
HECTD4. 5	0.00064	0.128344	0.122	0.088	1 Opc-G	HECTD4
ZNF830. 6	0.000644	0.182756	0.224	0.189	1 Opc-G	ZNF830
TAX1BP3. 6	0.000654	-0.19406	0.311	0.386	1 Opc-G	TAX1BP3
CDKL3. 4	0.000655	0.119773	0.143	0.107	1 Opc-G	CDKL3
BPHL. 6	0.000659	0.14518	0.209	0.172	1 Opc-G	BPHL
LZTR1	0.000659	0.114518	0.081	0.053	1 Opc-G	LZTR1
NPM3. 6	0.000669	-0.1377	0.16	0.22	1 Opc-G	NPM3
KCNN2. 6	0.000673	0.108464	0.057	0.034	1 Opc-G	KCNN2
DLG5. 5	0.000675	0.12979	0.105	0.074	1 Opc-G	DLG5
MARK4. 5	0.000688	0.119545	0.101	0.071	1 Opc-G	MARK4
FAM210B. 1	0.00069	0.192273	0.302	0.268	1 Opc-G	FAM210B
PIGM. 3	0.000693	0.111858	0.116	0.083	1 Opc-G	PIGM
SGOL2. 8	0.000698	-0.11984	0.055	0.092	1 Opc-G	SGOL2
DUSP1. 7	0.000698	-0.19762	0.604	0.573	1 Opc-G	DUSP1
CACHD1	0.0007	0.119648	0.056	0.033	1 Opc-G	CACHD1
TRIM28. 6	0.000705	0.126649	0.283	0.247	1 Opc-G	TRIM28
P2RY12. 6	0.00071	-0.1031	0.003	0.021	1 Opc-G	P2RY12
ZMAT3. 5	0.000711	0.122663	0.239	0.2	1 Opc-G	ZMAT3
KIAA1033. 0	0.000714	-0.13324	0.179	0.243	1 Opc-G	KIAA1033

CHRNE. 7	0.000715	-0.11462	0.007	0.027	1 Opc-G	CHRNE
DPH3. 4	0.000728	-0.13564	0.156	0.217	1 Opc-G	DPH3
CRLS1. 6	0.000736	0.1706	0.309	0.282	1 Opc-G	CRLS1
HECA. 6	0.000739	-0.10413	0.04	0.073	1 Opc-G	HECA
NCBP2-AS2	0.000739	0.189923	0.303	0.275	1 Opc-G	NCBP2-AS2
ANKIB1. 9	0.000755	0.14097	0.242	0.206	1 Opc-G	ANKIB1
IBSP. 7	0.000756	-0.16161	0.005	0.025	1 Opc-G	IBSP
FOSB. 7	0.000757	-0.26465	0.359	0.394	1 Opc-G	FOSB
KLF9. 4	0.000759	0.153488	0.165	0.128	1 Opc-G	KLF9
ERRFI1. 5	0.000764	-0.11204	0.105	0.155	1 Opc-G	ERRFI1
KLHL42. 9	0.000767	0.155737	0.193	0.157	1 Opc-G	KLHL42
THOC2. 4	0.000771	0.132038	0.332	0.302	1 Opc-G	THOC2
TIAL1. 3	0.000771	-0.13591	0.167	0.229	1 Opc-G	TIAL1
RORB. 6	0.000774	0.110656	0.06	0.036	1 Opc-G	RORB
PXMP2. 8	0.000775	0.189753	0.25	0.221	1 Opc-G	PXMP2
PSD3. 9	0.000775	0.136031	0.228	0.192	1 Opc-G	PSD3
TRMT1. 7	0.000784	-0.16944	0.198	0.261	1 Opc-G	TRMT1
PBRM1. 8	0.00079	0.130838	0.276	0.237	1 Opc-G	PBRM1
RRP15. 4	0.000792	0.107777	0.253	0.218	1 Opc-G	RRP15
ACTR3B. 7	0.000802	0.129216	0.139	0.105	1 Opc-G	ACTR3B
CHPF. 8	0.000802	0.148014	0.291	0.256	1 Opc-G	CHPF
SLC11A2. 4	0.000807	-0.14909	0.122	0.172	1 Opc-G	SLC11A2
ZNF627. 5	0.000807	0.104879	0.107	0.075	1 Opc-G	ZNF627
TTYH3. 7	0.000809	0.104601	0.287	0.244	1 Opc-G	TTYH3
HYI. 3	0.000809	0.143776	0.175	0.137	1 Opc-G	HYI
TMCC1-AS1	0.000818	0.11962	0.066	0.041	1 Opc-G	TMCC1-AS1
SCAMP1. 7	0.000827	0.119696	0.251	0.211	1 Opc-G	SCAMP1
IMMT. 5	0.000829	0.104031	0.335	0.3	1 Opc-G	IMMT
SF3A2. 5	0.000836	0.110571	0.295	0.257	1 Opc-G	SF3A2
RAD23B. 4	0.00087	0.106707	0.406	0.378	1 Opc-G	RAD23B
DICER1-AS	0.00087	0.109008	0.079	0.052	1 Opc-G	DICER1-AS1
HBA2. 5	0.000873	-0.32995	0.157	0.2	1 Opc-G	HBA2
NAF1. 7	0.000875	-0.13699	0.072	0.112	1 Opc-G	NAF1
UBE2B. 2	0.000878	-0.17189	0.413	0.49	1 Opc-G	UBE2B
CETN2. 8	0.000888	-0.16415	0.253	0.327	1 Opc-G	CETN2
BRMS1L. 5	0.000889	0.145658	0.128	0.095	1 Opc-G	BRMS1L
COPG2. 6	0.00089	0.151793	0.149	0.115	1 Opc-G	COPG2
PTDSS2. 9	0.00089	0.181925	0.183	0.15	1 Opc-G	PTDSS2
ALG14. 5	0.000895	0.149546	0.184	0.149	1 Opc-G	ALG14
MON2. 2	0.000909	0.141715	0.123	0.09	1 Opc-G	MON2
ZNF454. 7	0.00091	0.11912	0.071	0.046	1 Opc-G	ZNF454
LRRN2. 4	0.00091	0.127319	0.081	0.054	1 Opc-G	LRRN2
TMEM14C. 8	0.00091	-0.22535	0.549	0.594	1 Opc-G	TMEM14C
ARL6IP4. 8	0.000915	-0.15086	0.615	0.625	1 Opc-G	ARL6IP4
RFC4. 7	0.000922	0.165407	0.191	0.154	1 Opc-G	RFC4
RABGGTA. 1	0.000924	-0.12087	0.086	0.131	1 Opc-G	RABGGTA
NKIRAS1. 4	0.000934	0.13327	0.134	0.1	1 Opc-G	NKIRAS1
ZFH3. 6	0.000938	-0.14881	0.146	0.199	1 Opc-G	ZFH3
LINC00526	0.000951	0.122405	0.108	0.078	1 Opc-G	LINC00526
SEPT4. 9	0.000953	-0.245	0.089	0.133	1 Opc-G	4-Sep
CDC42SE2.	0.000956	-0.14591	0.164	0.222	1 Opc-G	CDC42SE2

TOR2A.7	0.000957	-0.11328	0.102	0.15	1 Opc-G	TOR2A
COIL.7	0.000958	0.154413	0.217	0.183	1 Opc-G	COIL
MFSD10.5	0.00096	-0.12003	0.232	0.306	1 Opc-G	MFSD10
NOM1.6	0.000963	0.114852	0.149	0.114	1 Opc-G	NOM1
SIDT1.5	0.000967	-0.12244	0.005	0.024	1 Opc-G	SIDT1
SBN01.7	0.000981	0.134725	0.298	0.263	1 Opc-G	SBN01
ZSCAN9.3	0.000982	0.107841	0.108	0.077	1 Opc-G	ZSCAN9
RPAP2.6	0.000988	0.179894	0.216	0.182	1 Opc-G	RPAP2
ZNF420.7	0.00099	0.17526	0.138	0.105	1 Opc-G	ZNF420
FAM192A.5	0.001	0.110052	0.383	0.356	1 Opc-G	FAM192A
TNKS.10	0.001002	0.166287	0.18	0.146	1 Opc-G	TNKS
ANKRD39.6	0.001006	0.118234	0.202	0.165	1 Opc-G	ANKRD39
GNPDA2.6	0.001008	0.117604	0.157	0.122	1 Opc-G	GNPDA2
HDHD2.4	0.001016	0.10098	0.29	0.255	1 Opc-G	HDHD2
SOWAHC.5	0.001017	0.115307	0.094	0.066	1 Opc-G	SOWAHC
SP3.7	0.001021	0.119783	0.247	0.207	1 Opc-G	SP3
KIAA1715.0	0.001028	0.11722	0.288	0.253	1 Opc-G	KIAA1715
PLOD3.7	0.001033	0.113917	0.251	0.216	1 Opc-G	PLOD3
CD46.2	0.00104	-0.15785	0.179	0.238	1 Opc-G	CD46
MAML1.8	0.001045	-0.15506	0.079	0.12	1 Opc-G	MAML1
UFM1.2	0.001047	-0.12747	0.269	0.347	1 Opc-G	UFM1
RMI1.3	0.001049	0.107569	0.086	0.058	1 Opc-G	RMI1
MCM4.8	0.00105	0.11243	0.127	0.093	1 Opc-G	MCM4
CLDN11.8	0.001051	-0.3362	0.022	0.047	1 Opc-G	CLDN11
GTF3C5.6	0.001056	0.133601	0.219	0.184	1 Opc-G	GTF3C5
CDK5RAP3.0	0.001068	-0.14336	0.333	0.411	1 Opc-G	CDK5RAP3
SPOCK3.7	0.001078	-0.1863	0.012	0.034	1 Opc-G	SPOCK3
WDR92.5	0.00108	0.130403	0.108	0.077	1 Opc-G	WDR92
USP1.8	0.001085	0.134755	0.29	0.256	1 Opc-G	USP1
CDKN2AIPN.0	0.001089	0.119482	0.279	0.247	1 Opc-G	CDKN2AIPNL
MTRNR2L12.0	0.001094	-0.38065	0.152	0.199	1 Opc-G	MTRNR2L12
LDOC1L.7	0.001096	0.149696	0.115	0.085	1 Opc-G	LDOC1L
PHC1.5	0.001114	0.113061	0.107	0.076	1 Opc-G	PHC1
PROX1.9	0.001116	0.143325	0.199	0.162	1 Opc-G	PROX1
HS1BP3.1	0.001129	-0.10416	0.057	0.095	1 Opc-G	HS1BP3
CDIP1.4	0.001134	0.134581	0.22	0.184	1 Opc-G	CDIP1
PSMD1.5	0.001158	0.116529	0.351	0.321	1 Opc-G	PSMD1
INTS1.2	0.001159	0.102444	0.117	0.085	1 Opc-G	INTS1
TMED3.7	0.00116	-0.13328	0.245	0.312	1 Opc-G	TMED3
PSMG2.5	0.001166	-0.1935	0.342	0.417	1 Opc-G	PSMG2
AUTS2.9	0.001172	0.13467	0.15	0.116	1 Opc-G	AUTS2
C11orf1.5	0.001178	-0.10133	0.1	0.147	1 Opc-G	C11orf1
UBAC2.9	0.001179	-0.17606	0.214	0.275	1 Opc-G	UBAC2
NKIRAS2.5	0.001193	0.121135	0.295	0.261	1 Opc-G	NKIRAS2
KCTD17.4	0.001222	0.148406	0.167	0.133	1 Opc-G	KCTD17
POLR3GL.3	0.001235	-0.13334	0.279	0.355	1 Opc-G	POLR3GL
SYNC.7	0.00124	0.111203	0.212	0.173	1 Opc-G	SYNC
RASSF1.4	0.001247	-0.12188	0.113	0.162	1 Opc-G	RASSF1
NRG2.6	0.001263	0.124274	0.061	0.039	1 Opc-G	NRG2
ERMN.8	0.001268	-0.32296	0.016	0.039	1 Opc-G	ERMN
TTC33.0	0.001275	0.1089	0.087	0.059	1 Opc-G	TTC33

AC006129.	0.001277	-0.1006	0	0.014	1 Opc-G	AC006129.2
SZRD1.5	0.001279	-0.11028	0.201	0.269	1 Opc-G	SZRD1
MECP2.2	0.001281	-0.12511	0.149	0.205	1 Opc-G	MECP2
KIF3A.7	0.00129	0.156373	0.268	0.232	1 Opc-G	KIF3A
GREM1.2	0.001307	-0.22906	0.012	0.034	1 Opc-G	GREM1
ECI2.7	0.00131	-0.17513	0.265	0.327	1 Opc-G	ECI2
CACFD1.7	0.001327	0.126466	0.116	0.085	1 Opc-G	CACFD1
SEP15.3	0.001353	-0.19236	0.646	0.657	1 Opc-G	15-Sep
RUNX2.6	0.001353	-0.10941	0.01	0.03	1 Opc-G	RUNX2
ALDH6A1.7	0.001353	0.161564	0.236	0.205	1 Opc-G	ALDH6A1
MED19.6	0.001365	0.108991	0.313	0.279	1 Opc-G	MED19
ARID2.3	0.001368	0.102339	0.134	0.101	1 Opc-G	ARID2
SAMM50.4	0.001375	0.130975	0.247	0.213	1 Opc-G	SAMM50
ABCA2.10	0.001376	-0.19518	0.061	0.098	1 Opc-G	ABCA2
CDKAL1.3	0.001383	0.147689	0.123	0.091	1 Opc-G	CDKAL1
SYVN1.2	0.001385	-0.11486	0.067	0.105	1 Opc-G	SYVN1
BLOC1S4.1	0.001393	0.162631	0.269	0.241	1 Opc-G	BLOC1S4
GLYR1.2	0.001397	0.124566	0.243	0.207	1 Opc-G	GLYR1
RABGAP1L.	0.001401	-0.15406	0.074	0.112	1 Opc-G	RABGAP1L
COQ3.4	0.001415	0.126068	0.094	0.066	1 Opc-G	COQ3
DKK3.8	0.001427	0.191623	0.228	0.198	1 Opc-G	DKK3
DENND5B.8	0.001435	0.146313	0.124	0.094	1 Opc-G	DENND5B
GTF2H2C.4	0.001439	0.106812	0.115	0.084	1 Opc-G	GTF2H2C
PKIB.7	0.001446	-0.1709	0.231	0.287	1 Opc-G	PKIB
TMEM218.4	0.001453	0.133944	0.253	0.219	1 Opc-G	TMEM218
DHX29.7	0.001454	0.105196	0.337	0.308	1 Opc-G	DHX29
RBBP6.5	0.001457	0.140411	0.339	0.312	1 Opc-G	RBBP6
PUM1.5	0.001469	0.132754	0.268	0.235	1 Opc-G	PUM1
YRDC.5	0.001477	0.178642	0.191	0.159	1 Opc-G	YRDC
PLCE1.7	0.00148	0.137806	0.09	0.063	1 Opc-G	PLCE1
AGO1.4	0.001501	0.109819	0.119	0.088	1 Opc-G	AGO1
ZNF581.5	0.00151	-0.10465	0.124	0.176	1 Opc-G	ZNF581
MCRS1.4	0.001518	0.14158	0.295	0.269	1 Opc-G	MCRS1
STK10.9	0.001529	-0.12497	0.042	0.074	1 Opc-G	STK10
RNF24.7	0.001533	0.11964	0.28	0.246	1 Opc-G	RNF24
PTPRCAP.6	0.001538	-0.19035	0.008	0.027	1 Opc-G	PTPRCAP
RIT1.6	0.001539	-0.10201	0.16	0.217	1 Opc-G	RIT1
ABHD17A.9	0.001551	-0.10935	0.182	0.239	1 Opc-G	ABHD17A
SAFB2.6	0.001559	0.108292	0.362	0.329	1 Opc-G	SAFB2
AKNA.8	0.001564	-0.17166	0.044	0.074	1 Opc-G	AKNA
HHLA3.7	0.001565	-0.10306	0.096	0.142	1 Opc-G	HHLA3
ALDH2.7	0.001567	-0.17774	0.322	0.374	1 Opc-G	ALDH2
MAT2B.1	0.00157	-0.1326	0.148	0.201	1 Opc-G	MAT2B
VTI1A.6	0.001574	-0.10408	0.037	0.067	1 Opc-G	VTI1A
CTTNBP2NL	0.001576	-0.1148	0.111	0.156	1 Opc-G	CTTNBP2NL
C2orf69.8	0.001577	0.151144	0.225	0.192	1 Opc-G	C2orf69
CCZ1B.8	0.001579	0.187149	0.18	0.149	1 Opc-G	CCZ1B
LAMTOR2.8	0.00158	-0.17081	0.53	0.59	1 Opc-G	LAMTOR2
UBQLN4.4	0.00158	0.114584	0.133	0.1	1 Opc-G	UBQLN4
GRM3.5	0.00158	-0.11089	0.005	0.023	1 Opc-G	GRM3
RRP9.4	0.00158	0.168953	0.186	0.155	1 Opc-G	RRP9



NFU1.3	0.001587	0.109961	0.328	0.299	1 Opc-G	NFU1
IDI1.7	0.001588	-0.14292	0.262	0.328	1 Opc-G	IDI1
SETBP1.7	0.001621	0.117102	0.101	0.072	1 Opc-G	SETBP1
CSTF3.7	0.001621	0.135458	0.296	0.265	1 Opc-G	CSTF3
TRIM41.1	0.001623	0.116895	0.128	0.096	1 Opc-G	TRIM41
C17orf97.0	0.001627	0.13972	0.081	0.055	1 Opc-G	C17orf97
UBE3A.8	0.001628	0.147132	0.313	0.285	1 Opc-G	UBE3A
GGH.8	0.001628	0.112735	0.296	0.261	1 Opc-G	GGH
ADK.4	0.001629	-0.1079	0.119	0.169	1 Opc-G	ADK
CDK5R1.9	0.00163	0.102036	0.124	0.091	1 Opc-G	CDK5R1
DMWD.7	0.001635	0.171693	0.169	0.14	1 Opc-G	DMWD
RNFT2.7	0.001638	0.134323	0.094	0.067	1 Opc-G	RNFT2
GOT1.2	0.001644	-0.1377	0.092	0.134	1 Opc-G	GOT1
DCTD.3	0.001648	-0.11191	0.195	0.26	1 Opc-G	DCTD
STXBP1.8	0.001659	0.126581	0.153	0.119	1 Opc-G	STXBP1
HIST1H2BC	0.001679	-0.11308	0.005	0.023	1 Opc-G	HIST1H2BC
LIMK1.3	0.001684	-0.11302	0.097	0.141	1 Opc-G	LIMK1
KIAA1429.0	0.001685	0.140204	0.139	0.107	1 Opc-G	KIAA1429
HSPH1.6	0.001695	0.101687	0.388	0.359	1 Opc-G	HSPH1
PCOLCE2.5	0.00171	0.107148	0.111	0.08	1 Opc-G	PCOLCE2
PIGT.3	0.00173	-0.16785	0.339	0.401	1 Opc-G	PIGT
PWP1.6	0.001738	0.151263	0.325	0.301	1 Opc-G	PWP1
EIF3J-AS1	0.001739	0.120025	0.157	0.125	1 Opc-G	EIF3J-AS1
SARS2.2	0.001739	0.117667	0.102	0.073	1 Opc-G	SARS2
IFNLR1.5	0.001752	-0.10518	0.007	0.025	1 Opc-G	IFNLR1
GINS2.6	0.001762	0.129779	0.13	0.097	1 Opc-G	GINS2
RBM33.2	0.001798	0.114712	0.182	0.147	1 Opc-G	RBM33
ZNF32.4	0.001807	0.1511	0.251	0.221	1 Opc-G	ZNF32
SNHG10.4	0.001808	0.1557	0.122	0.092	1 Opc-G	SNHG10
MAOB.8	0.001812	-0.14621	0.064	0.101	1 Opc-G	MAOB
RAB18.2	0.001817	-0.14295	0.32	0.403	1 Opc-G	RAB18
FCH01.5	0.001824	-0.11363	0.018	0.041	1 Opc-G	FCH01
SYNJ2BP.4	0.001848	0.13545	0.175	0.141	1 Opc-G	SYNJ2BP
PDSS1.2	0.001853	0.109239	0.081	0.055	1 Opc-G	PDSS1
KLHL20.5	0.001854	0.146325	0.169	0.137	1 Opc-G	KLHL20
IFIT5.5	0.001855	0.1026	0.112	0.082	1 Opc-G	IFIT5
BRF1.6	0.001857	0.118408	0.133	0.101	1 Opc-G	BRF1
ATG9A.7	0.001863	0.117844	0.146	0.115	1 Opc-G	ATG9A
HOOK3.5	0.001864	0.133483	0.311	0.282	1 Opc-G	HOOK3
TRMU.3	0.001886	0.160447	0.161	0.13	1 Opc-G	TRMU
ZNF354A.6	0.001889	0.108204	0.152	0.118	1 Opc-G	ZNF354A
GPI.7	0.00189	-0.14772	0.291	0.361	1 Opc-G	GPI
MYCBP2.6	0.001891	-0.15595	0.249	0.308	1 Opc-G	MYCBP2
RNF38.3	0.001899	0.137096	0.123	0.093	1 Opc-G	RNF38
SLC30A9.9	0.001929	0.140989	0.279	0.25	1 Opc-G	SLC30A9
TBC1D8.3	0.001949	-0.10553	0.022	0.046	1 Opc-G	TBC1D8
EZR.8	0.001949	0.108504	0.367	0.341	1 Opc-G	EZR
GPANK1.4	0.001982	0.128499	0.224	0.191	1 Opc-G	GPANK1
NFASC.8	0.001994	-0.14451	0.068	0.105	1 Opc-G	NFASC
B4GALT2.6	0.002025	0.148484	0.102	0.075	1 Opc-G	B4GALT2
CHST15.5	0.002034	-0.10757	0.018	0.041	1 Opc-G	CHST15

FAM118A.7	0.002042	-0.12434	0.094	0.135	1 Opc-G	FAM118A
LCK.4	0.002056	-0.11446	0.001	0.015	1 Opc-G	LCK
MAPK6.5	0.002062	0.117231	0.204	0.17	1 Opc-G	MAPK6
SNHG12.7	0.002068	-0.18875	0.097	0.137	1 Opc-G	SNHG12
TPGS1.4	0.002068	0.121607	0.336	0.308	1 Opc-G	TPGS1
RP5-940J5	0.002079	-0.27683	0.123	0.164	1 Opc-G	RP5-940J5.9
PAPD4.2	0.002084	-0.10784	0.133	0.182	1 Opc-G	PAPD4
NCOA1.6	0.002087	0.141408	0.191	0.159	1 Opc-G	NCOA1
FJX1.9	0.002089	0.125198	0.24	0.199	1 Opc-G	FJX1
ITGAV.6	0.002103	-0.11774	0.223	0.282	1 Opc-G	ITGAV
RP5-827C2	0.002128	0.139587	0.089	0.062	1 Opc-G	RP5-827C21.4
NAA50.3	0.002145	-0.10699	0.209	0.276	1 Opc-G	NAA50
MOG.8	0.002167	-0.20637	0.012	0.032	1 Opc-G	MOG
FAT3.7	0.002178	0.129788	0.079	0.055	1 Opc-G	FAT3
FMNL3.8	0.00218	-0.12986	0.048	0.079	1 Opc-G	FMNL3
C5orf28.6	0.002182	0.129942	0.149	0.117	1 Opc-G	C5orf28
RUNX1T1.5	0.002183	0.109046	0.053	0.033	1 Opc-G	RUNX1T1
MTIF3.4	0.002195	-0.1249	0.279	0.35	1 Opc-G	MTIF3
RHOC.7	0.00221	-0.18059	0.5	0.535	1 Opc-G	RHOC
FBXL15.9	0.00225	-0.1071	0.148	0.198	1 Opc-G	FBXL15
LILRA4.4	0.002255	-0.11352	0.007	0.024	1 Opc-G	LILRA4
ARF1.6	0.002312	-0.18217	0.68	0.695	1 Opc-G	ARF1
COQ6.2	0.002331	0.10875	0.135	0.104	1 Opc-G	COQ6
PDPN.6	0.002338	-0.10749	0.516	0.445	1 Opc-G	PDPN
TKT.6	0.002341	-0.18666	0.449	0.513	1 Opc-G	TKT
CASK.3	0.00236	0.127272	0.153	0.122	1 Opc-G	CASK
PBK.10	0.002363	-0.13807	0.045	0.075	1 Opc-G	PBK
METTL23.4	0.00237	-0.1186	0.255	0.323	1 Opc-G	METTL23
MIEF1.3	0.002374	0.135413	0.175	0.144	1 Opc-G	MIEF1
PPP6R2.3	0.002385	0.123048	0.18	0.148	1 Opc-G	PPP6R2
ZNF664.7	0.002398	0.153624	0.178	0.147	1 Opc-G	ZNF664
TMEM151A.	0.002403	-0.10413	0.02	0.044	1 Opc-G	TMEM151A
INO80B.2	0.002408	0.102307	0.096	0.068	1 Opc-G	INO80B
CMC2.5	0.002426	-0.12845	0.245	0.309	1 Opc-G	CMC2
CDCA7.9	0.002439	0.118914	0.156	0.121	1 Opc-G	CDCA7
MLST8.6	0.00245	0.141391	0.261	0.235	1 Opc-G	MLST8
PINX1.3	0.002469	0.142308	0.127	0.097	1 Opc-G	PINX1
CCBL1.1	0.002484	0.102489	0.077	0.052	1 Opc-G	CCBL1
TOP1MT.4	0.002539	0.131053	0.098	0.072	1 Opc-G	TOP1MT
CMTM3.10	0.002549	-0.13742	0.266	0.327	1 Opc-G	CMTM3
ACAD8.5	0.002565	0.146285	0.21	0.181	1 Opc-G	ACAD8
GSK3A.7	0.002565	0.135335	0.219	0.188	1 Opc-G	GSK3A
USP7.3	0.00257	0.131461	0.165	0.133	1 Opc-G	USP7
ANKRD50.3	0.002573	0.104256	0.071	0.048	1 Opc-G	ANKRD50
PTRHD1.5	0.002583	-0.14201	0.254	0.323	1 Opc-G	PTRHD1
REEP2.8	0.002634	0.153763	0.228	0.2	1 Opc-G	REEP2
CAPN3.7	0.002644	-0.25386	0.022	0.045	1 Opc-G	CAPN3
FAM168B.5	0.002667	0.127021	0.193	0.161	1 Opc-G	FAM168B
COMMD10.5	0.002673	-0.13356	0.172	0.229	1 Opc-G	COMMD10
PSPH.9	0.002695	0.145858	0.186	0.155	1 Opc-G	PSPH
ACSM5.5	0.00272	-0.12363	0.014	0.034	1 Opc-G	ACSM5

ACP2. 6	0. 002721	-0. 11906	0. 189	0. 247	1 Opc-G	ACP2
ASAP1. 6	0. 002745	0. 143989	0. 255	0. 226	1 Opc-G	ASAP1
EEF1B2. 9	0. 002774	-0. 19453	0. 787	0. 776	1 Opc-G	EEF1B2
ARMCX6. 2	0. 002793	-0. 13066	0. 189	0. 246	1 Opc-G	ARMCX6
ZNF480. 2	0. 002844	-0. 10177	0. 071	0. 108	1 Opc-G	ZNF480
FGFR2. 8	0. 002855	-0. 11532	0. 025	0. 049	1 Opc-G	FGFR2
NUDT3. 8	0. 002887	-0. 16931	0. 34	0. 404	1 Opc-G	NUDT3
DCBLD1. 3	0. 002932	0. 119009	0. 115	0. 086	1 Opc-G	DCBLD1
CAV1. 9	0. 002945	-0. 49717	0. 096	0. 129	1 Opc-G	CAV1
PLEKHM2. 2	0. 002953	-0. 10249	0. 068	0. 104	1 Opc-G	PLEKHM2
OXA1L. 9	0. 002954	-0. 21004	0. 251	0. 305	1 Opc-G	OXA1L
NECAP2. 6	0. 002959	-0. 17419	0. 234	0. 296	1 Opc-G	NECAP2
RAB9B. 6	0. 002998	0. 111916	0. 075	0. 051	1 Opc-G	RAB9B
ATN1. 8	0. 003007	0. 109043	0. 212	0. 182	1 Opc-G	ATN1
RAB11A. 4	0. 003013	-0. 16841	0. 398	0. 471	1 Opc-G	RAB11A
HARS. 5	0. 003015	0. 113155	0. 307	0. 279	1 Opc-G	HARS
RXR. 3	0. 00305	0. 118633	0. 198	0. 165	1 Opc-G	RXR
RP11-1143	0. 003067	-0. 18843	0. 029	0. 053	1 Opc-G	RP11-1143G9. 4
DOCK11. 9	0. 003068	-0. 10853	0. 03	0. 056	1 Opc-G	DOCK11
MAF. 9	0. 00308	-0. 20391	0. 101	0. 137	1 Opc-G	MAF
NOL3. 9	0. 003081	0. 152369	0. 195	0. 164	1 Opc-G	NOL3
TMEM220. 8	0. 003089	-0. 11404	0. 042	0. 071	1 Opc-G	TMEM220
GSPT2. 8	0. 003098	0. 135639	0. 179	0. 147	1 Opc-G	GSPT2
RP1-313I6	0. 003101	-0. 10141	0. 029	0. 054	1 Opc-G	RP1-313I6. 12
SCML1. 5	0. 003109	-0. 13322	0. 063	0. 096	1 Opc-G	SCML1
SLC20A1. 2	0. 00312	-0. 12922	0. 135	0. 181	1 Opc-G	SLC20A1
FAHD1. 4	0. 003121	0. 159111	0. 202	0. 174	1 Opc-G	FAHD1
PREB. 5	0. 003137	0. 114945	0. 239	0. 208	1 Opc-G	PREB
LRRC49. 5	0. 003138	0. 10176	0. 082	0. 057	1 Opc-G	LRRC49
PFKL. 7	0. 003139	-0. 13395	0. 303	0. 367	1 Opc-G	PFKL
TUG1. 7	0. 003186	0. 155669	0. 202	0. 174	1 Opc-G	TUG1
GCFC2. 3	0. 003187	0. 120763	0. 149	0. 119	1 Opc-G	GCFC2
SUDS3. 8	0. 003209	0. 144435	0. 216	0. 186	1 Opc-G	SUDS3
RP11-563K	0. 003217	0. 150824	0. 087	0. 063	1 Opc-G	RP11-563K23. 1
CRYL1. 3	0. 003281	-0. 14454	0. 247	0. 314	1 Opc-G	CRYL1
AIMP2. 6	0. 003367	0. 102276	0. 27	0. 238	1 Opc-G	AIMP2
CDK18. 7	0. 0034	-0. 11718	0. 049	0. 079	1 Opc-G	CDK18
PNP. 7	0. 003415	-0. 147	0. 071	0. 105	1 Opc-G	PNP
PTGFRN. 5	0. 003456	0. 132834	0. 13	0. 102	1 Opc-G	PTGFRN
GMPR2. 4	0. 003513	-0. 10663	0. 164	0. 218	1 Opc-G	GMPR2
SYNGR1. 6	0. 003542	-0. 12405	0. 078	0. 114	1 Opc-G	SYNGR1
TBRG1. 2	0. 003565	-0. 14558	0. 193	0. 248	1 Opc-G	TBRG1
SFXN1. 6	0. 003574	0. 1341	0. 242	0. 215	1 Opc-G	SFXN1
NPTN. 6	0. 003607	-0. 10352	0. 037	0. 063	1 Opc-G	NPTN
TRAFD1. 3	0. 003684	0. 114457	0. 158	0. 128	1 Opc-G	TRAFD1
SCAI. 5	0. 003689	0. 103367	0. 109	0. 081	1 Opc-G	SCAI
TCTA. 3	0. 003699	0. 124464	0. 19	0. 159	1 Opc-G	TCTA
TBC1D4. 7	0. 003724	-0. 11562	0. 026	0. 049	1 Opc-G	TBC1D4
ALG3. 4	0. 003734	-0. 12524	0. 179	0. 235	1 Opc-G	ALG3
HCCS. 3	0. 00375	-0. 10097	0. 123	0. 17	1 Opc-G	HCCS
BROX. 6	0. 003772	-0. 10714	0. 183	0. 238	1 Opc-G	BROX

UTP6. 5	0. 003782	-0. 1131	0. 16	0. 212	1 Opc-G	UTP6
MARK1. 6	0. 00379	0. 11397	0. 09	0. 066	1 Opc-G	MARK1
INSIG1. 8	0. 00379	-0. 17099	0. 183	0. 23	1 Opc-G	INSIG1
TOM1. 8	0. 003812	-0. 1634	0. 122	0. 163	1 Opc-G	TOM1
COPS7B. 5	0. 003818	0. 118015	0. 225	0. 195	1 Opc-G	COPS7B
EMX2. 2	0. 003854	0. 112527	0. 045	0. 027	1 Opc-G	EMX2
ITM2A. 9	0. 003868	0. 129881	0. 078	0. 054	1 Opc-G	ITM2A
PPP1R2. 4	0. 003908	-0. 14054	0. 303	0. 373	1 Opc-G	PPP1R2
G3BP1. 5	0. 003929	0. 107675	0. 339	0. 312	1 Opc-G	G3BP1
KAT6A. 4	0. 003956	0. 119328	0. 189	0. 156	1 Opc-G	KAT6A
PCTP. 5	0. 003957	-0. 10035	0. 045	0. 074	1 Opc-G	PCTP
SUPT20H. 6	0. 003989	0. 128433	0. 234	0. 205	1 Opc-G	SUPT20H
OPALIN. 6	0. 003999	-0. 16853	0. 001	0. 014	1 Opc-G	OPALIN
ARHGAP22. 0	0. 004032	-0. 15121	0. 048	0. 076	1 Opc-G	ARHGAP22
ATP6AP1. 8	0. 004034	-0. 1358	0. 432	0. 497	1 Opc-G	ATP6AP1
CBX6. 7	0. 004043	0. 106803	0. 27	0. 238	1 Opc-G	CBX6
SMIM14. 8	0. 004047	-0. 17568	0. 276	0. 334	1 Opc-G	SMIM14
FAM53B. 6	0. 004094	-0. 1117	0. 029	0. 053	1 Opc-G	FAM53B
ANKRD54. 4	0. 004158	0. 130689	0. 167	0. 138	1 Opc-G	ANKRD54
CD151. 9	0. 004178	-0. 17941	0. 443	0. 485	1 Opc-G	CD151
FNBP1L. 1C	0. 004264	0. 107989	0. 217	0. 183	1 Opc-G	FNBP1L
NT5C2. 2	0. 004321	-0. 13293	0. 094	0. 132	1 Opc-G	NT5C2
ATP1B1. 8	0. 00434	-0. 22977	0. 199	0. 237	1 Opc-G	ATP1B1
ZRSR2. 3	0. 004357	-0. 134	0. 09	0. 126	1 Opc-G	ZRSR2
AADAT. 6	0. 004428	0. 113993	0. 072	0. 05	1 Opc-G	AADAT
SCRN3. 5	0. 004516	0. 121784	0. 127	0. 099	1 Opc-G	SCRN3
CMTR2. 3	0. 004523	0. 104839	0. 168	0. 137	1 Opc-G	CMTR2
FBXO28. 1	0. 004549	0. 11354	0. 126	0. 097	1 Opc-G	FBXO28
CPEB4. 6	0. 004555	0. 100424	0. 279	0. 244	1 Opc-G	CPEB4
RBMXL1. 3	0. 004604	0. 115876	0. 182	0. 151	1 Opc-G	RBMXL1
ZNF583. 7	0. 00463	0. 113092	0. 133	0. 104	1 Opc-G	ZNF583
TMEM39A. 5	0. 004686	-0. 10193	0. 061	0. 093	1 Opc-G	TMEM39A
TMSB4X. 9	0. 004736	-0. 17184	1	0. 996	1 Opc-G	TMSB4X
SPPL3. 8	0. 004763	0. 122555	0. 225	0. 195	1 Opc-G	SPPL3
BNIP1. 8	0. 004786	0. 155635	0. 146	0. 118	1 Opc-G	BNIP1
ENDOV. 6	0. 004811	0. 128935	0. 245	0. 219	1 Opc-G	ENDOV
MT1A. 7	0. 004832	-0. 13556	0. 012	0. 03	1 Opc-G	MT1A
PEX13. 2	0. 004838	0. 101576	0. 198	0. 167	1 Opc-G	PEX13
AP2A2. 8	0. 004985	-0. 11223	0. 201	0. 255	1 Opc-G	AP2A2
GAB3. 8	0. 005016	-0. 10629	0. 015	0. 034	1 Opc-G	GAB3
DAAM2. 5	0. 005368	-0. 11952	0. 007	0. 022	1 Opc-G	DAAM2
RAB11B-AS1	0. 005392	0. 1775	0. 156	0. 13	1 Opc-G	RAB11B-AS1
RPP14. 6	0. 005402	0. 128561	0. 214	0. 185	1 Opc-G	RPP14
GTF2F2. 4	0. 005435	0. 105786	0. 322	0. 298	1 Opc-G	GTF2F2
DNAJA3. 4	0. 005467	0. 134291	0. 198	0. 172	1 Opc-G	DNAJA3
MTHFD1. 6	0. 005481	0. 136745	0. 213	0. 186	1 Opc-G	MTHFD1
CLIC4. 9	0. 005597	-0. 16006	0. 276	0. 336	1 Opc-G	CLIC4
LOH12CR2. 0	0. 0056	0. 112602	0. 075	0. 053	1 Opc-G	LOH12CR2
MOBP. 9	0. 005601	-0. 27831	0. 018	0. 037	1 Opc-G	MOBP
PRRC2B. 7	0. 005698	0. 112438	0. 262	0. 235	1 Opc-G	PRRC2B
WNK1. 6	0. 005735	-0. 11475	0. 223	0. 282	1 Opc-G	WNK1

CISD2. 4	0. 005749	-0. 16828	0. 343	0. 408	1 Opc-G	CISD2
PURA. 7	0. 005768	0. 133235	0. 234	0. 206	1 Opc-G	PURA
HRAS. 8	0. 005801	0. 127071	0. 316	0. 292	1 Opc-G	HRAS
UBE2Q2. 5	0. 005822	0. 112949	0. 232	0. 203	1 Opc-G	UBE2Q2
TOMM5. 7	0. 005904	-0. 14061	0. 164	0. 212	1 Opc-G	TOMM5
USP13. 4	0. 005924	0. 116663	0. 094	0. 07	1 Opc-G	USP13
DDX21. 7	0. 00611	-0. 13881	0. 247	0. 303	1 Opc-G	DDX21
PAQR8. 7	0. 006112	-0. 12847	0. 067	0. 098	1 Opc-G	PAQR8
TRRAP	0. 006167	0. 110296	0. 109	0. 083	1 Opc-G	TRRAP
ELMOD3. 5	0. 006222	0. 129843	0. 161	0. 133	1 Opc-G	ELMOD3
NAB1. 5	0. 006236	0. 136334	0. 152	0. 124	1 Opc-G	NAB1
RCAN1. 8	0. 006236	-0. 15701	0. 217	0. 271	1 Opc-G	RCAN1
CENPT. 7	0. 006328	0. 118243	0. 216	0. 188	1 Opc-G	CENPT
RBM14. 6	0. 006349	0. 11639	0. 219	0. 19	1 Opc-G	RBM14
ZNF263. 4	0. 006366	0. 132039	0. 154	0. 126	1 Opc-G	ZNF263
UQCR11. 5	0. 006382	-0. 3575	0. 085	0. 117	1 Opc-G	UQCR11
C12orf43. 0	0. 006427	0. 10999	0. 183	0. 155	1 Opc-G	C12orf43
TMBIM4. 6	0. 006427	-0. 38107	0. 037	0. 06	1 Opc-G	TMBIM4
AAMDC. 7	0. 006435	-0. 14879	0. 161	0. 209	1 Opc-G	AAMDC
SLC25A29. 0	0. 006446	0. 110373	0. 179	0. 151	1 Opc-G	SLC25A29
CERS6. 7	0. 00651	0. 118795	0. 153	0. 125	1 Opc-G	CERS6
EFCAB2. 2	0. 006515	0. 103209	0. 123	0. 095	1 Opc-G	EFCAB2
AKT3. 4	0. 006536	0. 10252	0. 077	0. 054	1 Opc-G	AKT3
DHRS7. 8	0. 006703	-0. 22267	0. 522	0. 559	1 Opc-G	DHRS7
ZNF275. 6	0. 006781	0. 15375	0. 077	0. 055	1 Opc-G	ZNF275
ZNF227. 4	0. 006822	0. 10169	0. 123	0. 097	1 Opc-G	ZNF227
KLHL4. 8	0. 006823	0. 142543	0. 15	0. 125	1 Opc-G	KLHL4
YBX3. 4	0. 006834	-0. 13692	0. 351	0. 408	1 Opc-G	YBX3
DEPTOR. 6	0. 006879	-0. 1483	0. 025	0. 045	1 Opc-G	DEPTOR
POLB. 3	0. 006907	0. 10458	0. 109	0. 083	1 Opc-G	POLB
RIPPLY2. 5	0. 007008	0. 131969	0. 055	0. 036	1 Opc-G	RIPPLY2
RSU1. 5	0. 00702	-0. 13735	0. 217	0. 272	1 Opc-G	RSU1
CAPN1. 6	0. 007056	-0. 11324	0. 208	0. 262	1 Opc-G	CAPN1
HOXD-AS2	0. 0071	0. 113419	0. 063	0. 043	1 Opc-G	HOXD-AS2
PBDC1. 3	0. 007123	-0. 10232	0. 206	0. 264	1 Opc-G	PBDC1
UBE2W. 3	0. 007198	-0. 10212	0. 167	0. 216	1 Opc-G	UBE2W
ITGAL. 4	0. 007199	-0. 10195	0. 01	0. 025	1 Opc-G	ITGAL
UIMC1. 4	0. 007211	0. 121647	0. 134	0. 107	1 Opc-G	UIMC1
TRMT112. 5	0. 007278	-0. 19314	0. 713	0. 706	1 Opc-G	TRMT112
APTX. 3	0. 007324	0. 114918	0. 164	0. 137	1 Opc-G	APTX
ARHGEF1. 7	0. 007499	-0. 14316	0. 157	0. 199	1 Opc-G	ARHGEF1
GLMN. 4	0. 007566	0. 108245	0. 115	0. 089	1 Opc-G	GLMN
DOPEY2. 5	0. 00757	-0. 10416	0. 044	0. 069	1 Opc-G	DOPEY2
ELL. 6	0. 00759	-0. 11577	0. 071	0. 102	1 Opc-G	ELL
GPATCH11. 0	0. 00759	0. 144498	0. 163	0. 137	1 Opc-G	GPATCH11
TMEM125. 6	0. 007636	-0. 12992	0. 008	0. 023	1 Opc-G	TMEM125
GADD45A. 1	0. 007713	-0. 11181	0. 225	0. 282	1 Opc-G	GADD45A
SFR1. 6	0. 007788	-0. 11588	0. 044	0. 07	1 Opc-G	SFR1
PRKX. 5	0. 007872	-0. 11418	0. 082	0. 114	1 Opc-G	PRKX
CGRRF1. 5	0. 007891	0. 135891	0. 189	0. 162	1 Opc-G	CGRRF1
IPO5. 5	0. 008009	0. 118102	0. 238	0. 214	1 Opc-G	IPO5

PWWP2A.7	0.008035	0.112063	0.153	0.125	1 Opc-G	PWWP2A
MEN1.5	0.008048	0.128575	0.141	0.115	1 Opc-G	MEN1
DTNA.9	0.008065	-0.13468	0.201	0.256	1 Opc-G	DTNA
LMAN2.5	0.008165	-0.18538	0.545	0.576	1 Opc-G	LMAN2
NFIL3.9	0.008205	-0.12499	0.057	0.085	1 Opc-G	NFIL3
EXTL3.6	0.008229	0.146499	0.154	0.13	1 Opc-G	EXTL3
SLC24A2.8	0.008273	-0.10168	0.015	0.033	1 Opc-G	SLC24A2
TXNDC17.8	0.008279	-0.15417	0.481	0.528	1 Opc-G	TXNDC17
RNF103.4	0.00831	0.128896	0.127	0.101	1 Opc-G	RNF103
TWF1.4	0.008362	0.106317	0.286	0.262	1 Opc-G	TWF1
FAM98A.6	0.008407	0.131566	0.167	0.14	1 Opc-G	FAM98A
MT1X.8	0.008537	-0.43738	0.559	0.579	1 Opc-G	MT1X
SIK1.9	0.008543	-0.1628	0.074	0.102	1 Opc-G	SIK1
RIF1.7	0.008572	0.107508	0.245	0.218	1 Opc-G	RIF1
MBTPS2	0.008636	0.122265	0.093	0.07	1 Opc-G	MBTPS2
UBAP2L.2	0.008651	0.13456	0.239	0.215	1 Opc-G	UBAP2L
UBE4B.3	0.00866	0.125443	0.12	0.095	1 Opc-G	UBE4B
KATNB1.6	0.008696	0.137849	0.143	0.118	1 Opc-G	KATNB1
SCNM1.4	0.008737	-0.12446	0.279	0.343	1 Opc-G	SCNM1
METTL8.4	0.008743	0.116852	0.145	0.118	1 Opc-G	METTL8
CHMP2B.4	0.00875	-0.11012	0.246	0.311	1 Opc-G	CHMP2B
FBXO3.6	0.008793	0.13109	0.195	0.169	1 Opc-G	FBXO3
KLK6.8	0.008827	-0.21631	0.015	0.032	1 Opc-G	KLK6
ZNF226.7	0.00884	-0.13495	0.16	0.207	1 Opc-G	ZNF226
TCF3.6	0.009026	0.141815	0.152	0.128	1 Opc-G	TCF3
ROBO2.9	0.009028	0.142395	0.13	0.106	1 Opc-G	ROBO2
GBE1.7	0.009069	-0.12661	0.145	0.188	1 Opc-G	GBE1
ATP5S.1	0.009086	0.102947	0.201	0.174	1 Opc-G	ATP5S
PIBF1.4	0.009141	0.111165	0.113	0.088	1 Opc-G	PIBF1
RAB5C.6	0.009212	-0.17851	0.648	0.653	1 Opc-G	RAB5C
UPF2.4	0.009232	-0.12763	0.173	0.22	1 Opc-G	UPF2
LRRC20.2	0.009259	0.107586	0.067	0.047	1 Opc-G	LRRC20
ETV3.9	0.009448	-0.11408	0.052	0.078	1 Opc-G	ETV3
C14orf80.0	0.009524	0.11683	0.086	0.064	1 Opc-G	C14orf80
FAM134A.8	0.009559	0.100381	0.318	0.297	1 Opc-G	FAM134A
B3GALNT1.0	0.009562	0.104115	0.21	0.182	1 Opc-G	B3GALNT1
FAM229A.3	0.009607	0.110133	0.063	0.044	1 Opc-G	FAM229A
ATXN8OS.6	0.009643	-0.332	0.056	0.081	1 Opc-G	ATXN8OS
C1orf216.0	0.009717	0.131017	0.152	0.126	1 Opc-G	C1orf216
RNMT.2	0.009768	-0.11854	0.25	0.307	1 Opc-G	RNMT
AMD1.4	0.009825	-0.18168	0.332	0.387	1 Opc-G	AMD1
ZFP1.5	0.00986	0.117952	0.087	0.065	1 Opc-G	ZFP1
EMID1.6	0.009895	0.137071	0.093	0.071	1 Opc-G	EMID1
HOPX.10	0	1.328004	0.958	0.172	0 Class-G	HOPX
POSTN.10	0	1.284124	0.739	0.03	0 Class-G	POSTN
NES.11	0	1.213808	0.951	0.165	0 Class-G	NES
ID4.10	0	1.180793	0.863	0.109	0 Class-G	ID4
SOX9.10	0	1.144176	0.935	0.163	0 Class-G	SOX9
GPC1.9	0	1.121489	0.882	0.131	0 Class-G	GPC1
SEMA6D.11	0	1.109863	0.811	0.05	0 Class-G	SEMA6D
FABP7.9	0	1.108081	0.988	0.285	0 Class-G	FABP7

KCNF1. 11	0	1.097692	0.716	0.026	0 Class-G	KCNF1
TPM2. 8	0	1.093888	0.787	0.061	0 Class-G	TPM2
COL9A3. 1C	0	1.024309	0.796	0.086	0 Class-G	COL9A3
IGFBP2. 9	0	1.018123	0.979	0.275	0 Class-G	IGFBP2
IGFBP3. 9	0	1.014022	0.717	0.109	0 Class-G	IGFBP3
FJX1. 10	0	1.000295	0.798	0.104	0 Class-G	FJX1
POU3F2. 9	0	0.990373	0.859	0.111	0 Class-G	POU3F2
TTYH1. 11	0	0.982559	0.866	0.17	0 Class-G	TTYH1
IGFBP7. 9	0	0.982303	0.877	0.169	0 Class-G	IGFBP7
METRN. 11	0	0.980011	0.943	0.188	0 Class-G	METRN
EGFR. 10	0	0.946661	0.947	0.194	0 Class-G	EGFR
ATP1B2. 1C	0	0.943626	0.902	0.123	0 Class-G	ATP1B2
SPRY1. 10	0	0.934777	0.885	0.126	0 Class-G	SPRY1
LYPD1. 8	0	0.924177	0.83	0.092	0 Class-G	LYPD1
RP11-395G	0	0.922005	0.735	0.086	0 Class-G	RP11-395G23. 3
TNFRSF12A	0	0.91477	0.846	0.195	0 Class-G	TNFRSF12A
WWTR1. 11	0	0.914091	0.741	0.065	0 Class-G	WWTR1
RGMA. 10	0	0.906456	0.814	0.1	0 Class-G	RGMA
COL6A2. 1C	0	0.905207	0.711	0.073	0 Class-G	COL6A2
NPAS3. 10	0	0.904731	0.768	0.059	0 Class-G	NPAS3
F3. 10	0	0.900595	0.776	0.096	0 Class-G	F3
CNIH3. 8	0	0.879481	0.794	0.066	0 Class-G	CNIH3
FIBIN. 10	0	0.872132	0.886	0.119	0 Class-G	FIBIN
PMEPA1. 1C	0	0.871955	0.734	0.114	0 Class-G	PMEPA1
EDNRB. 7	0	0.847708	0.733	0.098	0 Class-G	EDNRB
COL6A1. 1C	0	0.847562	0.837	0.129	0 Class-G	COL6A1
SOCS2. 8	0	0.846887	0.72	0.064	0 Class-G	SOCS2
CITED1. 1C	0	0.844795	0.687	0.064	0 Class-G	CITED1
SCG2. 10	0	0.844314	0.87	0.163	0 Class-G	SCG2
SPRY2. 9	0	0.835949	0.84	0.116	0 Class-G	SPRY2
LHX2. 9	0	0.827734	0.62	0.05	0 Class-G	LHX2
PHLDA1. 7	0	0.820976	0.944	0.306	0 Class-G	PHLDA1
FAM84A. 9	0	0.82007	0.69	0.055	0 Class-G	FAM84A
ARSJ. 9	0	0.8141	0.665	0.036	0 Class-G	ARSJ
PTPRZ1. 11	0	0.807762	0.972	0.288	0 Class-G	PTPRZ1
TRIB2. 11	0	0.806813	0.892	0.16	0 Class-G	TRIB2
JAG1. 9	0	0.806283	0.733	0.065	0 Class-G	JAG1
PMP2. 10	0	0.804495	0.953	0.251	0 Class-G	PMP2
MAP2K2. 7	0	0.790552	0.922	0.2	0 Class-G	MAP2K2
CAMK2D. 8	0	0.789032	0.859	0.143	0 Class-G	CAMK2D
ITGA7. 9	0	0.788481	0.699	0.045	0 Class-G	ITGA7
TMEM158. 1	0	0.78758	0.665	0.054	0 Class-G	TMEM158
PRR7. 10	0	0.787211	0.776	0.092	0 Class-G	PRR7
SMAD1. 7	0	0.785696	0.722	0.088	0 Class-G	SMAD1
DCBLD2. 1C	0	0.778084	0.625	0.064	0 Class-G	DCBLD2
LHFP. 10	0	0.776507	0.841	0.132	0 Class-G	LHFP
CDH2. 10	0	0.77507	0.902	0.183	0 Class-G	CDH2
MXRA7. 8	0	0.771008	0.737	0.074	0 Class-G	MXRA7
COL4A2. 8	0	0.766103	0.672	0.04	0 Class-G	COL4A2
NEK6. 7	0	0.761071	0.865	0.196	0 Class-G	NEK6
PTPRA. 8	0	0.759186	0.944	0.258	0 Class-G	PTPRA

FAM181B. 9	0	0.75395	0.698	0.122	0 Class-G	FAM181B
METTL7B. 7	0	0.752583	0.84	0.109	0 Class-G	METTL7B
CBLN4. 11	0	0.748239	0.453	0.018	0 Class-G	CBLN4
COL4A1. 8	0	0.743251	0.609	0.029	0 Class-G	COL4A1
B4GALT5. 8	0	0.742443	0.75	0.106	0 Class-G	B4GALT5
SEMA6A. 8	0	0.741963	0.788	0.103	0 Class-G	SEMA6A
RAB34. 7	0	0.741667	0.882	0.185	0 Class-G	RAB34
C21orf62.	0	0.740921	0.639	0.079	0 Class-G	C21orf62
GCSH. 10	0	0.735792	0.939	0.25	0 Class-G	GCSH
NPDC1. 9	0	0.733849	0.922	0.225	0 Class-G	NPDC1
CHL1. 9	0	0.733348	0.674	0.067	0 Class-G	CHL1
RFFL. 11	0	0.728503	0.686	0.079	0 Class-G	RFFL
CHST2. 8	0	0.724242	0.628	0.056	0 Class-G	CHST2
CCDC106. 1	0	0.723779	0.816	0.136	0 Class-G	CCDC106
TLE1. 9	0	0.716399	0.726	0.079	0 Class-G	TLE1
PLS3. 9	0	0.713078	0.814	0.124	0 Class-G	PLS3
SERPINH1.	0	0.711505	0.803	0.112	0 Class-G	SERPINH1
FZD7. 8	0	0.709442	0.545	0.024	0 Class-G	FZD7
PJA2. 9	0	0.706449	0.915	0.24	0 Class-G	PJA2
HES4. 9	0	0.701119	0.651	0.111	0 Class-G	HES4
SOX2. 11	0	0.700268	0.981	0.339	0 Class-G	SOX2
MSI2. 8	0	0.699169	0.927	0.222	0 Class-G	MSI2
HEY1. 9	0	0.698358	0.791	0.158	0 Class-G	HEY1
PIPOX. 9	0	0.69744	0.634	0.05	0 Class-G	PIPOX
DHCR7. 9	0	0.695996	0.702	0.092	0 Class-G	DHCR7
TSPAN5. 1C	0	0.688011	0.839	0.168	0 Class-G	TSPAN5
LGR4. 10	0	0.686991	0.56	0.027	0 Class-G	LGR4
ZNF580. 7	0	0.682343	0.865	0.197	0 Class-G	ZNF580
GAS1. 11	0	0.678325	0.575	0.074	0 Class-G	GAS1
BAALC. 10	0	0.674909	0.921	0.251	0 Class-G	BAALC
NMB. 10	0	0.674204	0.682	0.123	0 Class-G	NMB
EPN2. 10	0	0.673138	0.802	0.145	0 Class-G	EPN2
SEPN1. 8	0	0.671788	0.744	0.122	0 Class-G	SEPN1
S100A16. 1	0	0.671192	0.944	0.203	0 Class-G	S100A16
PRRX1. 10	0	0.670666	0.688	0.086	0 Class-G	PRRX1
KHDRBS3. 1	0	0.670293	0.756	0.126	0 Class-G	KHDRBS3
TRIM9. 9	0	0.668881	0.824	0.136	0 Class-G	TRIM9
CHPT1. 8	0	0.665869	0.85	0.214	0 Class-G	CHPT1
SLC4A4. 8	0	0.66246	0.496	0.045	0 Class-G	SLC4A4
TCEA2. 10	0	0.659227	0.918	0.278	0 Class-G	TCEA2
SACS. 8	0	0.656453	0.646	0.074	0 Class-G	SACS
KLHDC8A. 1	0	0.655948	0.8	0.161	0 Class-G	KLHDC8A
MRC2. 6	0	0.654946	0.717	0.085	0 Class-G	MRC2
KCNQ2. 10	0	0.6532	0.717	0.133	0 Class-G	KCNQ2
NLRP1. 10	0	0.651422	0.907	0.246	0 Class-G	NLRP1
CPNE4. 8	0	0.651313	0.521	0.023	0 Class-G	CPNE4
FKBP10. 1C	0	0.650924	0.8	0.116	0 Class-G	FKBP10
MLC1. 9	0	0.64883	0.64	0.068	0 Class-G	MLC1
PPIC. 9	0	0.647262	0.747	0.091	0 Class-G	PPIC
CTXN1. 10	0	0.646262	0.638	0.081	0 Class-G	CTXN1
FLNA. 9	0	0.645956	0.805	0.16	0 Class-G	FLNA



OSBPL6. 6	0	0.63753	0.66	0.074	0 Class-G	OSBPL6
EFNB2. 9	0	0.637258	0.519	0.031	0 Class-G	EFNB2
LIMA1. 10	0	0.633465	0.898	0.223	0 Class-G	LIMA1
NOVA1. 11	0	0.632055	0.993	0.395	0 Class-G	NOVA1
EFEMP2. 7	0	0.628797	0.745	0.127	0 Class-G	EFEMP2
WLS. 8	0	0.627344	0.77	0.123	0 Class-G	WLS
ITGB8. 9	0	0.626371	0.799	0.148	0 Class-G	ITGB8
DST. 9	0	0.623804	0.914	0.288	0 Class-G	DST
CNN3. 9	0	0.623319	0.984	0.384	0 Class-G	CNN3
MMP24-AS1	0	0.622961	0.847	0.224	0 Class-G	MMP24-AS1
BICD1. 8	0	0.622838	0.728	0.119	0 Class-G	BICD1
ACSS3. 9	0	0.620805	0.582	0.035	0 Class-G	ACSS3
NPTXR. 9	0	0.61838	0.582	0.053	0 Class-G	NPTXR
EVA1B. 6	0	0.617202	0.569	0.05	0 Class-G	EVA1B
TJP1. 8	0	0.616822	0.695	0.096	0 Class-G	TJP1
ID1. 7	0	0.615774	0.44	0.068	0 Class-G	ID1
FAM210B. 1	0	0.615234	0.777	0.187	0 Class-G	FAM210B
EPHA3. 10	0	0.6139	0.458	0.01	0 Class-G	EPHA3
SRPX. 9	0	0.61376	0.606	0.107	0 Class-G	SRPX
DPF3. 7	0	0.613636	0.602	0.06	0 Class-G	DPF3
ZFHx4. 10	0	0.613499	0.637	0.073	0 Class-G	ZFHx4
GATM. 6	0	0.612015	0.907	0.262	0 Class-G	GATM
CD320. 9	0	0.611778	0.908	0.221	0 Class-G	CD320
RRBP1. 6	0	0.604807	0.862	0.204	0 Class-G	RRBP1
SEPT9. 6	0	0.60288	0.889	0.251	0 Class-G	9-Sep
RP11-71N1	0	0.602564	0.589	0.062	0 Class-G	RP11-71N10. 1
TM7SF2. 9	0	0.599115	0.737	0.148	0 Class-G	TM7SF2
GRIA3. 8	0	0.598296	0.676	0.085	0 Class-G	GRIA3
TLK1. 8	0	0.597617	0.763	0.141	0 Class-G	TLK1
RP3-428L1	0	0.597463	0.357	0.023	0 Class-G	RP3-428L16. 2
FZD3. 8	0	0.597404	0.838	0.185	0 Class-G	FZD3
HMGCS1. 7	0	0.59567	0.626	0.11	0 Class-G	HMGCS1
FERMT2. 8	0	0.595478	0.727	0.117	0 Class-G	FERMT2
CHPF. 9	0	0.592839	0.8	0.17	0 Class-G	CHPF
SSBP4. 7	0	0.592065	0.828	0.179	0 Class-G	SSBP4
PPP1R14B.	0	0.591531	0.859	0.261	0 Class-G	PPP1R14B
PLEKHA4. 1	0	0.59112	0.585	0.052	0 Class-G	PLEKHA4
ETV1. 11	0	0.590481	0.841	0.147	0 Class-G	ETV1
LMO2. 5	0	0.589053	0.585	0.096	0 Class-G	LMO2
EHBP1. 8	0	0.586574	0.616	0.094	0 Class-G	EHBP1
HOMER1. 1C	0	0.586277	0.608	0.083	0 Class-G	HOMER1
STMN3. 9	0	0.586262	0.86	0.216	0 Class-G	STMN3
RNF19A. 1C	0	0.584741	0.672	0.125	0 Class-G	RNF19A
NAT14. 7	0	0.583986	0.697	0.095	0 Class-G	NAT14
SPRED1. 6	0	0.581719	0.716	0.117	0 Class-G	SPRED1
PTRF. 11	0	0.581142	0.708	0.1	0 Class-G	PTRF
ABHD17A. 1	0	0.579939	0.767	0.148	0 Class-G	ABHD17A
DAG1. 7	0	0.579744	0.669	0.092	0 Class-G	DAG1
PDGFD. 8	0	0.579356	0.47	0.015	0 Class-G	PDGFD
BTBD3. 9	0	0.578877	0.591	0.063	0 Class-G	BTBD3
COPRS. 7	0	0.578341	0.868	0.246	0 Class-G	COPRS

SFRP1. 10	0 0.577655	0.508	0.031	0 Class-G	SFRP1
PRKCA. 6	0 0.576033	0.683	0.119	0 Class-G	PRKCA
ROBO1. 9	0 0.57531	0.626	0.105	0 Class-G	ROBO1
CAMK2N1. 1	0 0.573835	0.841	0.231	0 Class-G	CAMK2N1
TCF12. 10	0 0.570919	0.829	0.195	0 Class-G	TCF12
DDR1. 9	0 0.570399	0.91	0.237	0 Class-G	DDR1
ELOVL2. 1C	0 0.56822	0.487	0.034	0 Class-G	ELOVL2
AKAP7. 9	0 0.567903	0.65	0.12	0 Class-G	AKAP7
TMEM54. 8	0 0.565738	0.699	0.113	0 Class-G	TMEM54
ZNF385D. 8	0 0.564611	0.497	0.047	0 Class-G	ZNF385D
FYN. 9	0 0.564499	0.886	0.235	0 Class-G	FYN
HYAL2. 11	0 0.562533	0.726	0.141	0 Class-G	HYAL2
MSM01. 7	0 0.562319	0.658	0.126	0 Class-G	MSM01
PDLIM7. 7	0 0.561509	0.713	0.161	0 Class-G	PDLIM7
VGLL4. 8	0 0.561355	0.87	0.227	0 Class-G	VGLL4
FGFBP3. 8	0 0.561316	0.469	0.04	0 Class-G	FGFBP3
MAP1LC3A.	0 0.561258	0.88	0.281	0 Class-G	MAP1LC3A
SLC35B2. 7	0 0.560674	0.83	0.214	0 Class-G	SLC35B2
TLCD1. 8	0 0.559283	0.472	0.017	0 Class-G	TLCD1
C17orf89.	0 0.559207	0.931	0.338	0 Class-G	C17orf89
CTDNEP1. 5	0 0.557667	0.802	0.234	0 Class-G	CTDNEP1
SPECC1. 1C	0 0.557378	0.843	0.206	0 Class-G	SPECC1
WSCD1. 9	0 0.556601	0.535	0.065	0 Class-G	WSCD1
REEP2. 9	0 0.556516	0.716	0.118	0 Class-G	REEP2
NETO2. 7	0 0.55573	0.603	0.089	0 Class-G	NETO2
FMNL2. 8	0 0.554542	0.789	0.179	0 Class-G	FMNL2
CXXC5. 11	0 0.5541	0.931	0.29	0 Class-G	CXXC5
SH3GL1. 6	0 0.553982	0.775	0.164	0 Class-G	SH3GL1
OGFOD3. 6	0 0.553253	0.729	0.139	0 Class-G	OGFOD3
ECI2. 8	0 0.552333	0.848	0.237	0 Class-G	ECI2
NRP2. 8	0 0.552293	0.71	0.141	0 Class-G	NRP2
AGT. 9	0 0.551309	0.715	0.139	0 Class-G	AGT
SLC1A2. 8	0 0.550071	0.515	0.073	0 Class-G	SLC1A2
PPP2CB. 11	0 0.549208	0.823	0.211	0 Class-G	PPP2CB
TNC. 10	0 0.54881	0.756	0.11	0 Class-G	TNC
LDLRAD3. 9	0 0.54726	0.645	0.099	0 Class-G	LDLRAD3
PCDH9. 8	0 0.5472	0.818	0.163	0 Class-G	PCDH9
RBMS1. 8	0 0.547114	0.785	0.163	0 Class-G	RBMS1
KIF21A. 11	0 0.54683	0.836	0.215	0 Class-G	KIF21A
TRIM47. 1C	0 0.546272	0.626	0.107	0 Class-G	TRIM47
KCNE4. 8	0 0.545934	0.496	0.041	0 Class-G	KCNE4
WEE1. 7	0 0.544653	0.567	0.082	0 Class-G	WEE1
SLC39A3. 8	0 0.541969	0.874	0.251	0 Class-G	SLC39A3
COLGALT2.	0 0.541961	0.592	0.065	0 Class-G	COLGALT2
SLC25A23.	0 0.541758	0.578	0.061	0 Class-G	SLC25A23
SEPT11. 9	0 0.541675	0.848	0.214	0 Class-G	11-Sep
CRLS1. 7	0 0.541419	0.811	0.197	0 Class-G	CRLS1
DOK5. 9	0 0.54087	0.649	0.106	0 Class-G	DOK5
GCAT. 9	0 0.536245	0.635	0.084	0 Class-G	GCAT
IGSF10. 6	0 0.53611	0.485	0.036	0 Class-G	IGSF10
ATP2B1. 6	0 0.534183	0.86	0.272	0 Class-G	ATP2B1

RHOJ. 8	0 0. 533622	0. 517	0. 032	0 Class-G	RHOJ
TRAF4. 10	0 0. 53281	0. 783	0. 185	0 Class-G	TRAF4
FHL1. 11	0 0. 5321	0. 912	0. 266	0 Class-G	FHL1
SYT11. 11	0 0. 530302	0. 93	0. 295	0 Class-G	SYT11
SOX21. 7	0 0. 530297	0. 447	0. 035	0 Class-G	SOX21
GIPC1. 7	0 0. 530201	0. 809	0. 179	0 Class-G	GIPC1
MACF1. 7	0 0. 529326	0. 856	0. 234	0 Class-G	MACF1
BCAT1. 9	0 0. 528864	0. 732	0. 149	0 Class-G	BCAT1
TMEM132B.	0 0. 527188	0. 475	0. 041	0 Class-G	TMEM132B
HEBP2. 6	0 0. 527092	0. 703	0. 14	0 Class-G	HEBP2
HIVEP3. 7	0 0. 526831	0. 579	0. 083	0 Class-G	HIVEP3
CHST7. 8	0 0. 525174	0. 498	0. 045	0 Class-G	CHST7
DKK3. 9	0 0. 524541	0. 658	0. 125	0 Class-G	DKK3
C5orf24. 9	0 0. 523296	0. 835	0. 208	0 Class-G	C5orf24
AKAP12. 11	0 0. 522867	0. 634	0. 114	0 Class-G	AKAP12
CERS1. 8	0 0. 522863	0. 554	0. 058	0 Class-G	CERS1
OXLD1. 6	0 0. 522712	0. 773	0. 168	0 Class-G	OXLD1
LMCD1. 7	0 0. 522457	0. 412	0. 032	0 Class-G	LMCD1
TSEN34. 7	0 0. 522133	0. 893	0. 283	0 Class-G	TSEN34
DMWD. 8	0 0. 521776	0. 579	0. 07	0 Class-G	DMWD
LAMA5. 7	0 0. 521701	0. 515	0. 045	0 Class-G	LAMA5
SLC35F2. 6	0 0. 521311	0. 483	0. 046	0 Class-G	SLC35F2
GNG12. 8	0 0. 521226	0. 583	0. 065	0 Class-G	GNG12
LAMC1. 7	0 0. 520042	0. 497	0. 038	0 Class-G	LAMC1
SPATC1L. 9	0 0. 518101	0. 668	0. 117	0 Class-G	SPATC1L
PITX1. 8	0 0. 515924	0. 446	0. 025	0 Class-G	PITX1
GAMT. 8	0 0. 515727	0. 826	0. 213	0 Class-G	GAMT
NFIC. 5	0 0. 513501	0. 949	0. 35	0 Class-G	NFIC
SERINC2. 7	0 0. 512396	0. 48	0. 061	0 Class-G	SERINC2
TEAD1. 6	0 0. 51235	0. 579	0. 074	0 Class-G	TEAD1
ACTN1. 8	0 0. 511909	0. 76	0. 172	0 Class-G	ACTN1
THSD1. 6	0 0. 511683	0. 46	0. 034	0 Class-G	THSD1
LOXL1. 8	0 0. 511276	0. 413	0. 023	0 Class-G	LOXL1
VWA1. 10	0 0. 511092	0. 592	0. 071	0 Class-G	VWA1
TNFRSF19.	0 0. 510521	0. 491	0. 042	0 Class-G	TNFRSF19
HOMER3. 6	0 0. 509792	0. 733	0. 161	0 Class-G	HOMER3
REEP3. 6	0 0. 509331	0. 763	0. 16	0 Class-G	REEP3
GOLM1. 10	0 0. 508626	0. 867	0. 226	0 Class-G	GOLM1
TMEM131. 7	0 0. 508358	0. 577	0. 076	0 Class-G	TMEM131
ENAH. 10	0 0. 508266	0. 768	0. 182	0 Class-G	ENAH
TNIK. 7	0 0. 508258	0. 566	0. 075	0 Class-G	TNIK
ELMOD1. 8	0 0. 5062	0. 441	0. 023	0 Class-G	ELMOD1
GADD45GIP	0 0. 505285	0. 985	0. 494	0 Class-G	GADD45GIP1
TP53I13. 8	0 0. 504671	0. 74	0. 164	0 Class-G	TP53I13
CDC42EP4.	0 0. 504288	0. 572	0. 14	0 Class-G	CDC42EP4
RAB22A. 7	0 0. 504073	0. 743	0. 156	0 Class-G	RAB22A
MEST. 10	0 0. 504069	0. 913	0. 3	0 Class-G	MEST
ACSBG1. 7	0 0. 504001	0. 412	0. 018	0 Class-G	ACSBG1
NELFCD. 9	0 0. 502354	0. 878	0. 248	0 Class-G	NELFCD
CHN1. 10	0 0. 502027	0. 699	0. 137	0 Class-G	CHN1
SV2A. 7	0 0. 502019	0. 683	0. 123	0 Class-G	SV2A

ILDR2. 9	0 0. 501841	0. 43	0. 023	0 Class-G	ILDR2
CASC4. 6	0 0. 501624	0. 712	0. 144	0 Class-G	CASC4
FOXG1. 9	0 0. 50101	0. 58	0. 083	0 Class-G	FOXG1
ECI1. 6	0 0. 500697	0. 714	0. 131	0 Class-G	ECI1
POLDIP2. 9	0 0. 499337	0. 857	0. 264	0 Class-G	POLDIP2
C16orf45.	0 0. 499179	0. 865	0. 229	0 Class-G	C16orf45
TMEM203. 8	0 0. 498541	0. 767	0. 168	0 Class-G	TMEM203
KIF1B. 10	0 0. 498066	0. 814	0. 209	0 Class-G	KIF1B
SCARA3. 8	0 0. 497866	0. 554	0. 07	0 Class-G	SCARA3
CERS4. 8	0 0. 497527	0. 69	0. 119	0 Class-G	CERS4
SQLE. 8	0 0. 497195	0. 741	0. 168	0 Class-G	SQLE
ZNF771. 7	0 0. 495907	0. 572	0. 077	0 Class-G	ZNF771
ACSL3. 5	0 0. 492689	0. 84	0. 26	0 Class-G	ACSL3
PCYT2. 6	0 0. 492594	0. 6	0. 088	0 Class-G	PCYT2
BEND6. 9	0 0. 491859	0. 511	0. 055	0 Class-G	BEND6
CNKSR3. 9	0 0. 488992	0. 503	0. 055	0 Class-G	CNKSR3
CDC25B. 8	0 0. 488918	0. 664	0. 117	0 Class-G	CDC25B
AQP4. 10	0 0. 488658	0. 549	0. 103	0 Class-G	AQP4
PSRC1. 8	0 0. 488004	0. 797	0. 177	0 Class-G	PSRC1
REST. 5	0 0. 48745	0. 654	0. 123	0 Class-G	REST
SKA2. 9	0 0. 486212	0. 823	0. 222	0 Class-G	SKA2
SPTBN1. 9	0 0. 485152	0. 8	0. 189	0 Class-G	SPTBN1
TSR3. 7	0 0. 484946	0. 786	0. 193	0 Class-G	TSR3
MAPK1. 4	0 0. 48458	0. 737	0. 161	0 Class-G	MAPK1
FAM69C. 1C	0 0. 484566	0. 423	0. 02	0 Class-G	FAM69C
IL1RAP. 6	0 0. 484173	0. 553	0. 095	0 Class-G	IL1RAP
PCBP4. 11	0 0. 483801	0. 745	0. 176	0 Class-G	PCBP4
NRSN2. 9	0 0. 483543	0. 611	0. 091	0 Class-G	NRSN2
TRPM3. 7	0 0. 483444	0. 391	0. 016	0 Class-G	TRPM3
ABHD17C. 6	0 0. 482778	0. 433	0. 026	0 Class-G	ABHD17C
CBS. 9	0 0. 481686	0. 563	0. 091	0 Class-G	CBS
COL22A1. 7	0 0. 481285	0. 372	0. 023	0 Class-G	COL22A1
P4HTM. 7	0 0. 48085	0. 773	0. 178	0 Class-G	P4HTM
RGS6. 8	0 0. 480029	0. 457	0. 031	0 Class-G	RGS6
AK4. 9	0 0. 479787	0. 642	0. 104	0 Class-G	AK4
STIM2. 5	0 0. 479456	0. 607	0. 089	0 Class-G	STIM2
ADAMTS9. 8	0 0. 47837	0. 398	0. 025	0 Class-G	ADAMTS9
CKAP4. 9	0 0. 477936	0. 681	0. 132	0 Class-G	CKAP4
LSM12. 6	0 0. 477334	0. 743	0. 18	0 Class-G	LSM12
ITGAV. 7	0 0. 4772	0. 769	0. 198	0 Class-G	ITGAV
SETD5. 11	0 0. 476582	0. 816	0. 202	0 Class-G	SETD5
BPTF. 8	0 0. 475754	0. 814	0. 228	0 Class-G	BPTF
KLHL4. 9	0 0. 475303	0. 528	0. 061	0 Class-G	KLHL4
LINC00657	0 0. 475273	0. 863	0. 245	0 Class-G	LINC00657
MAML2. 10	0 0. 475163	0. 665	0. 121	0 Class-G	MAML2
ENC1. 10	0 0. 474804	0. 665	0. 152	0 Class-G	ENC1
TAOK1. 7	0 0. 474657	0. 747	0. 179	0 Class-G	TAOK1
UBE2M. 6	0 0. 474216	0. 714	0. 151	0 Class-G	UBE2M
SLC35F1. 8	0 0. 474091	0. 514	0. 062	0 Class-G	SLC35F1
PCDH17. 9	0 0. 471854	0. 634	0. 119	0 Class-G	PCDH17
TGFB1I1. 9	0 0. 47182	0. 536	0. 059	0 Class-G	TGFB1I1

SPATS2L. 6	0 0.470004	0.85	0.247	0 Class-G	SPATS2L
ERBB2IP. 7	0 0.469599	0.685	0.146	0 Class-G	ERBB2IP
KEAP1. 6	0 0.469534	0.782	0.188	0 Class-G	KEAP1
NDN. 10	0 0.469393	0.651	0.122	0 Class-G	NDN
RNF180. 1C	0 0.469325	0.585	0.099	0 Class-G	RNF180
APBA2. 11	0 0.468453	0.679	0.13	0 Class-G	APBA2
CNIH2. 10	0 0.46679	0.509	0.068	0 Class-G	CNIH2
TMEM132A.	0 0.466448	0.554	0.078	0 Class-G	TMEM132A
LINC01003	0 0.466139	0.645	0.118	0 Class-G	LINC01003
TAC01. 4	0 0.465953	0.619	0.102	0 Class-G	TAC01
CSRP2. 9	0 0.465448	0.864	0.209	0 Class-G	CSRP2
CCDC137. 6	0 0.464399	0.652	0.128	0 Class-G	CCDC137
HS6ST2. 6	0 0.463918	0.369	0.012	0 Class-G	HS6ST2
MFGE8. 7	0 0.463539	0.646	0.116	0 Class-G	MFGE8
AP3D1. 6	0 0.462839	0.825	0.224	0 Class-G	AP3D1
NRBF2. 6	0 0.462321	0.773	0.19	0 Class-G	NRBF2
SLC25A1. 5	0 0.461428	0.652	0.12	0 Class-G	SLC25A1
ALYREF. 9	0 0.460885	0.562	0.078	0 Class-G	ALYREF
SEC14L2. 8	0 0.460598	0.509	0.051	0 Class-G	SEC14L2
POMGNT1. 7	0 0.45941	0.771	0.174	0 Class-G	POMGNT1
ABI2. 9	0 0.459353	0.898	0.274	0 Class-G	ABI2
DPYSL3. 1C	0 0.457619	0.834	0.238	0 Class-G	DPYSL3
CA2. 9	0 0.45658	0.713	0.146	0 Class-G	CA2
ADAM19. 7	0 0.455953	0.361	0.033	0 Class-G	ADAM19
ABHD2. 5	0 0.455037	0.711	0.15	0 Class-G	ABHD2
CHST8. 8	0 0.45464	0.345	0.022	0 Class-G	CHST8
FNDC4. 9	0 0.454123	0.643	0.125	0 Class-G	FNDC4
SNX21. 5	0 0.4539	0.511	0.054	0 Class-G	SNX21
ANK2. 10	0 0.453827	0.585	0.095	0 Class-G	ANK2
HSD11B1L.	0 0.453792	0.666	0.129	0 Class-G	HSD11B1L
ENDOD1. 9	0 0.453665	0.567	0.074	0 Class-G	ENDOD1
HEPN1. 10	0 0.453481	0.627	0.135	0 Class-G	HEPN1
HMG20B. 5	0 0.453109	0.851	0.252	0 Class-G	HMG20B
TPM1. 8	0 0.452186	0.734	0.174	0 Class-G	TPM1
SRM. 9	0 0.451832	0.888	0.279	0 Class-G	SRM
SPOCD1. 9	0 0.451545	0.673	0.143	0 Class-G	SPOCD1
CAMK1. 7	0 0.45106	0.637	0.158	0 Class-G	CAMK1
NCKAP1. 8	0 0.450821	0.636	0.115	0 Class-G	NCKAP1
TAF10. 4	0 0.450621	0.678	0.152	0 Class-G	TAF10
FAM89B. 1C	0 0.450549	0.703	0.172	0 Class-G	FAM89B
DHRS11. 8	0 0.450133	0.463	0.044	0 Class-G	DHRS11
NTN1. 6	0 0.449747	0.411	0.028	0 Class-G	NTN1
LAPTM4B. 1	0 0.449199	0.862	0.245	0 Class-G	LAPTM4B
MCC. 7	0 0.448751	0.495	0.061	0 Class-G	MCC
MAN1A2. 7	0 0.448147	0.646	0.132	0 Class-G	MAN1A2
PSD3. 10	0 0.445957	0.643	0.121	0 Class-G	PSD3
DBX2. 9	0 0.445819	0.357	0.017	0 Class-G	DBX2
MYO10. 10	0 0.445233	0.616	0.125	0 Class-G	MYO10
SPARC. 8	0 0.444176	0.958	0.29	0 Class-G	SPARC
TNFAIP1. 8	0 0.441651	0.599	0.106	0 Class-G	TNFAIP1
CAMK2B. 9	0 0.440317	0.463	0.056	0 Class-G	CAMK2B

TIMP3. 8	0 0. 439627	0. 464	0. 07	0 Class-G	TIMP3
DPP4. 8	0 0. 438314	0. 406	0. 024	0 Class-G	DPP4
LARP6. 8	0 0. 437756	0. 643	0. 119	0 Class-G	LARP6
PITPNC1. 6	0 0. 437318	0. 48	0. 065	0 Class-G	PITPNC1
AHCY. 6	0 0. 436605	0. 804	0. 211	0 Class-G	AHCY
PHF23. 8	0 0. 436381	0. 653	0. 134	0 Class-G	PHF23
LAMP5. 9	0 0. 435907	0. 425	0. 057	0 Class-G	LAMP5
F2R. 11	0 0. 435496	0. 568	0. 103	0 Class-G	F2R
NR2F6. 8	0 0. 435388	0. 533	0. 077	0 Class-G	NR2F6
DZIP1. 8	0 0. 433981	0. 452	0. 045	0 Class-G	DZIP1
BCL7C. 6	0 0. 433853	0. 727	0. 178	0 Class-G	BCL7C
FREM2. 7	0 0. 432097	0. 36	0. 02	0 Class-G	FREM2
MYEF2. 9	0 0. 431816	0. 625	0. 123	0 Class-G	MYEF2
PDGFC. 6	0 0. 431675	0. 474	0. 061	0 Class-G	PDGFC
PNMA1. 10	0 0. 4301	0. 767	0. 204	0 Class-G	PNMA1
LRRC16A. 3	0 0. 429516	0. 366	0. 026	0 Class-G	LRRC16A
ZEB1. 10	0 0. 429291	0. 617	0. 123	0 Class-G	ZEB1
BRD7. 7	0 0. 428877	0. 728	0. 176	0 Class-G	BRD7
ADAM9. 8	0 0. 427493	0. 853	0. 244	0 Class-G	ADAM9
ITGA3. 8	0 0. 427096	0. 429	0. 045	0 Class-G	ITGA3
CCDC80. 9	0 0. 426268	0. 408	0. 065	0 Class-G	CCDC80
LONRF2. 6	0 0. 425863	0. 394	0. 043	0 Class-G	LONRF2
NT5DC2. 7	0 0. 425807	0. 565	0. 099	0 Class-G	NT5DC2
L3HYPDH. 4	0 0. 425597	0. 506	0. 062	0 Class-G	L3HYPDH
AKT1S1. 5	0 0. 425508	0. 72	0. 161	0 Class-G	AKT1S1
SLC2A4RG.	0 0. 424916	0. 486	0. 067	0 Class-G	SLC2A4RG
CREB5. 10	0 0. 424384	0. 703	0. 158	0 Class-G	CREB5
MDGA1. 6	0 0. 42416	0. 375	0. 02	0 Class-G	MDGA1
NCBP2-AS2	0 0. 423969	0. 757	0. 198	0 Class-G	NCBP2-AS2
DLG1. 9	0 0. 423681	0. 58	0. 098	0 Class-G	DLG1
CDH6. 7	0 0. 423531	0. 357	0. 021	0 Class-G	CDH6
ZNF608. 7	0 0. 42296	0. 545	0. 094	0 Class-G	ZNF608
TP53RK. 5	0 0. 422728	0. 622	0. 121	0 Class-G	TP53RK
EFTUD2. 5	0 0. 422377	0. 656	0. 143	0 Class-G	EFTUD2
NR2F1. 7	0 0. 422294	0. 552	0. 102	0 Class-G	NR2F1
RRP36. 5	0 0. 421879	0. 527	0. 083	0 Class-G	RRP36
SALL1. 8	0 0. 42181	0. 532	0. 073	0 Class-G	SALL1
CBX6. 8	0 0. 42161	0. 682	0. 168	0 Class-G	CBX6
LTBP3. 5	0 0. 42132	0. 656	0. 137	0 Class-G	LTBP3
ETV4. 9	0 0. 420938	0. 355	0. 033	0 Class-G	ETV4
CPNE2. 9	0 0. 419581	0. 588	0. 11	0 Class-G	CPNE2
MVB12A. 6	0 0. 419477	0. 814	0. 219	0 Class-G	MVB12A
ZNF358. 8	0 0. 419347	0. 58	0. 097	0 Class-G	ZNF358
ACTN4. 7	0 0. 419026	0. 842	0. 249	0 Class-G	ACTN4
SLC10A4. 1	0 0. 418981	0. 416	0. 044	0 Class-G	SLC10A4
BOC. 8	0 0. 418942	0. 411	0. 034	0 Class-G	BOC
ESF1. 7	0 0. 41843	0. 855	0. 262	0 Class-G	ESF1
PTX3. 10	0 0. 418179	0. 452	0. 06	0 Class-G	PTX3
HSPBP1. 7	0 0. 418154	0. 785	0. 206	0 Class-G	HSPBP1
ZNF436. 6	0 0. 417811	0. 361	0. 032	0 Class-G	ZNF436
PIGX. 8	0 0. 417454	0. 714	0. 177	0 Class-G	PIGX

DHCR24. 8	0 0. 417219	0. 437	0. 04	0 Class-G	DHCR24
CTHRC1. 7	0 0. 417007	0. 31	0. 024	0 Class-G	CTHRC1
WDR18. 8	0 0. 415954	0. 769	0. 207	0 Class-G	WDR18
MCHR1. 7	0 0. 415814	0. 317	0. 017	0 Class-G	MCHR1
TRIO. 9	0 0. 41552	0. 545	0. 111	0 Class-G	TRIO
CDYL. 6	0 0. 414791	0. 469	0. 057	0 Class-G	CDYL
EXTL3. 7	0 0. 414743	0. 494	0. 072	0 Class-G	EXTL3
SPRED2. 5	0 0. 414341	0. 46	0. 056	0 Class-G	SPRED2
EIF1AY. 9	0 0. 413008	0. 594	0. 11	0 Class-G	EIF1AY
CAPN2. 6	0 0. 412436	0. 726	0. 175	0 Class-G	CAPN2
PRAF2. 9	0 0. 412347	0. 811	0. 219	0 Class-G	PRAF2
SHISA4. 9	0 0. 412244	0. 733	0. 167	0 Class-G	SHISA4
SMARCD3. 1	0 0. 412175	0. 681	0. 158	0 Class-G	SMARCD3
PKIG. 9	0 0. 412063	0. 828	0. 226	0 Class-G	PKIG
SOX12. 10	0 0. 411748	0. 468	0. 058	0 Class-G	SOX12
KCNIP1. 9	0 0. 411716	0. 367	0. 054	0 Class-G	KCNIP1
ARHGEF26.	0 0. 411505	0. 485	0. 066	0 Class-G	ARHGEF26
RAC3. 10	0 0. 411487	0. 572	0. 119	0 Class-G	RAC3
TAP1. 6	0 0. 411457	0. 708	0. 179	0 Class-G	TAP1
PYGB. 6	0 0. 410696	0. 66	0. 137	0 Class-G	PYGB
ARHGAP21.	0 0. 410279	0. 74	0. 17	0 Class-G	ARHGAP21
IQGAP2. 5	0 0. 40967	0. 523	0. 088	0 Class-G	IQGAP2
C1orf21. 9	0 0. 409604	0. 631	0. 13	0 Class-G	C1orf21
CSNK1G2. 5	0 0. 409284	0. 529	0. 08	0 Class-G	CSNK1G2
DLGAP4. 8	0 0. 409282	0. 782	0. 213	0 Class-G	DLGAP4
GSS. 6	0 0. 409049	0. 691	0. 166	0 Class-G	GSS
DESI2. 5	0 0. 408054	0. 611	0. 126	0 Class-G	DESI2
RGS17. 8	0 0. 406137	0. 529	0. 102	0 Class-G	RGS17
CCDC28B. 1	0 0. 406042	0. 688	0. 142	0 Class-G	CCDC28B
B3GALT6. 6	0 0. 405781	0. 532	0. 074	0 Class-G	B3GALT6
CRIP2. 9	0 0. 40545	0. 837	0. 228	0 Class-G	CRIP2
TBC1D20. 5	0 0. 405424	0. 614	0. 112	0 Class-G	TBC1D20
PAM. 9	0 0. 404196	0. 576	0. 098	0 Class-G	PAM
GADD45A. 1	0 0. 403876	0. 754	0. 201	0 Class-G	GADD45A
VAPB. 6	0 0. 403691	0. 634	0. 126	0 Class-G	VAPB
CYB5D2. 6	0 0. 403453	0. 72	0. 153	0 Class-G	CYB5D2
HS2ST1. 1C	0 0. 403196	0. 592	0. 106	0 Class-G	HS2ST1
CA12. 11	0 0. 402884	0. 534	0. 071	0 Class-G	CA12
SORBS1. 7	0 0. 402835	0. 406	0. 042	0 Class-G	SORBS1
DEXI. 7	0 0. 402549	0. 64	0. 136	0 Class-G	DEXI
ENOSF1. 8	0 0. 402197	0. 488	0. 065	0 Class-G	ENOSF1
DGCR6L. 4	0 0. 401182	0. 844	0. 252	0 Class-G	DGCR6L
DUSP15. 8	0 0. 400955	0. 417	0. 04	0 Class-G	DUSP15
CDC34. 9	0 0. 399592	0. 682	0. 162	0 Class-G	CDC34
CTTN. 9	0 0. 398717	0. 671	0. 157	0 Class-G	CTTN
PEX10. 7	0 0. 398387	0. 616	0. 123	0 Class-G	PEX10
BAIAP2. 6	0 0. 398132	0. 625	0. 127	0 Class-G	BAIAP2
COL16A1. 8	0 0. 397884	0. 329	0. 032	0 Class-G	COL16A1
FAM104A. 6	0 0. 397836	0. 7	0. 165	0 Class-G	FAM104A
SCRN1. 10	0 0. 397749	0. 589	0. 112	0 Class-G	SCRN1
DEAF1. 9	0 0. 397546	0. 66	0. 139	0 Class-G	DEAF1

STRADB. 5	0 0.397052	0.665	0.147	0 Class-G	STRADB
DMRTA2. 6	0 0.396833	0.352	0.031	0 Class-G	DMRTA2
ZNF593. 5	0 0.396606	0.815	0.218	0 Class-G	ZNF593
STAT1. 5	0 0.396446	0.648	0.161	0 Class-G	STAT1
ADORA1. 8	0 0.396424	0.48	0.063	0 Class-G	ADORA1
RIN1. 7	0 0.395799	0.385	0.033	0 Class-G	RIN1
MBOAT7. 8	0 0.395643	0.716	0.166	0 Class-G	MBOAT7
MRGBP. 5	0 0.395618	0.532	0.084	0 Class-G	MRGBP
YTHDF1. 4	0 0.395482	0.603	0.114	0 Class-G	YTHDF1
GTF2F2. 5	0 0.395163	0.776	0.221	0 Class-G	GTF2F2
ENHO. 10	0 0.395033	0.505	0.092	0 Class-G	ENHO
SEZ6L2. 9	0 0.394546	0.736	0.198	0 Class-G	SEZ6L2
PYCR1. 7	0 0.394521	0.606	0.115	0 Class-G	PYCR1
MGARP. 6	0 0.394206	0.401	0.027	0 Class-G	MGARP
NUFIP2. 4	0 0.394171	0.686	0.163	0 Class-G	NUFIP2
RFXANK. 5	0 0.393985	0.866	0.236	0 Class-G	RFXANK
SYNM. 8	0 0.393499	0.367	0.023	0 Class-G	SYNM
ZNF414. 1C	0 0.393453	0.599	0.118	0 Class-G	ZNF414
RASGRP1. 9	0 0.392983	0.352	0.023	0 Class-G	RASGRP1
URI1. 7	0 0.392869	0.682	0.146	0 Class-G	URI1
PITPNA. 5	0 0.392686	0.582	0.116	0 Class-G	PITPNA
BRD4. 7	0 0.392584	0.833	0.244	0 Class-G	BRD4
MTHFD2L. 6	0 0.392042	0.66	0.132	0 Class-G	MTHFD2L
SPATA6. 4	0 0.391999	0.536	0.094	0 Class-G	SPATA6
PALLD. 7	0 0.39195	0.578	0.136	0 Class-G	PALLD
ZNRF1. 9	0 0.391795	0.443	0.063	0 Class-G	ZNRF1
ARL9. 10	0 0.390984	0.41	0.054	0 Class-G	ARL9
DGKZ. 4	0 0.390305	0.617	0.127	0 Class-G	DGKZ
SLC35C2. 4	0 0.389602	0.727	0.176	0 Class-G	SLC35C2
MESP1. 7	0 0.389538	0.483	0.074	0 Class-G	MESP1
HS6ST1. 4	0 0.38939	0.419	0.058	0 Class-G	HS6ST1
MGAT4B. 3	0 0.389035	0.44	0.049	0 Class-G	MGAT4B
ROCK2. 4	0 0.388458	0.525	0.091	0 Class-G	ROCK2
BCAM. 8	0 0.388285	0.455	0.052	0 Class-G	BCAM
CC2D1A. 6	0 0.388209	0.613	0.116	0 Class-G	CC2D1A
CAPRIN2. 7	0 0.388088	0.423	0.052	0 Class-G	CAPRIN2
SDC3. 7	0 0.388021	0.624	0.126	0 Class-G	SDC3
DDAH1. 8	0 0.387576	0.431	0.074	0 Class-G	DDAH1
PPAT. 8	0 0.387038	0.495	0.086	0 Class-G	PPAT
FAM134B. 9	0 0.386173	0.552	0.102	0 Class-G	FAM134B
GGT7. 7	0 0.385687	0.579	0.098	0 Class-G	GGT7
PTPN13. 8	0 0.385623	0.414	0.041	0 Class-G	PTPN13
ACLY. 6	0 0.385496	0.66	0.144	0 Class-G	ACLY
YES1. 5	0 0.385445	0.484	0.073	0 Class-G	YES1
RP11-390F	0 0.385434	0.503	0.072	0 Class-G	RP11-390P2. 4
NACC1. 5	0 0.385391	0.547	0.086	0 Class-G	NACC1
GAS2L1. 8	0 0.384927	0.532	0.09	0 Class-G	GAS2L1
SNTA1. 7	0 0.384788	0.406	0.033	0 Class-G	SNTA1
PKIB. 8	0 0.384647	0.768	0.205	0 Class-G	PKIB
ZHX3. 6	0 0.384042	0.469	0.062	0 Class-G	ZHX3
TMEM181. 1	0 0.383594	0.552	0.1	0 Class-G	TMEM181



ZFYVE21. 6	0 0. 383593	0. 736	0. 189	0 Class-G	ZFYVE21
CDC42EP1.	0 0. 383577	0. 476	0. 071	0 Class-G	CDC42EP1
EYA4. 6	0 0. 383458	0. 321	0. 014	0 Class-G	EYA4
NOTCH2. 4	0 0. 38341	0. 521	0. 085	0 Class-G	NOTCH2
SSFA2. 7	0 0. 382993	0. 589	0. 12	0 Class-G	SSFA2
ATRN. 4	0 0. 382863	0. 487	0. 065	0 Class-G	ATRN
KIF3B. 10	0 0. 382824	0. 483	0. 072	0 Class-G	KIF3B
CCDC102B.	0 0. 382228	0. 415	0. 049	0 Class-G	CCDC102B
RABEP1. 6	0 0. 381016	0. 708	0. 178	0 Class-G	RABEP1
POLR3H. 6	0 0. 380994	0. 666	0. 141	0 Class-G	POLR3H
NCOA6. 8	0 0. 38054	0. 497	0. 077	0 Class-G	NCOA6
TIMM22. 7	0 0. 380118	0. 706	0. 167	0 Class-G	TIMM22
IL6ST. 10	0 0. 379611	0. 733	0. 176	0 Class-G	IL6ST
C19orf25.	0 0. 379434	0. 789	0. 219	0 Class-G	C19orf25
PDGFRA. 1C	0 0. 379167	0. 499	0. 091	0 Class-G	PDGFRA
DUS1L. 3	0 0. 379128	0. 504	0. 072	0 Class-G	DUS1L
ST8SIA1. 7	0 0. 37887	0. 394	0. 042	0 Class-G	ST8SIA1
SREBF2. 5	0 0. 37858	0. 469	0. 063	0 Class-G	SREBF2
CIB2. 7	0 0. 378189	0. 372	0. 029	0 Class-G	CIB2
C22orf39.	0 0. 376787	0. 722	0. 184	0 Class-G	C22orf39
DAPK3. 7	0 0. 376757	0. 677	0. 167	0 Class-G	DAPK3
GPRC5B. 9	0 0. 376678	0. 707	0. 139	0 Class-G	GPRC5B
RBM38. 7	0 0. 37624	0. 509	0. 074	0 Class-G	RBM38
MBD3. 4	0 0. 3759	0. 561	0. 099	0 Class-G	MBD3
ALDH3A2. 5	0 0. 375869	0. 657	0. 162	0 Class-G	ALDH3A2
SSX2IP. 3	0 0. 375561	0. 406	0. 046	0 Class-G	SSX2IP
CDS2. 4	0 0. 375165	0. 728	0. 169	0 Class-G	CDS2
CSAD. 7	0 0. 375025	0. 571	0. 102	0 Class-G	CSAD
NRCAM. 10	0 0. 37482	0. 735	0. 194	0 Class-G	NRCAM
RNF157. 9	0 0. 374559	0. 475	0. 078	0 Class-G	RNF157
PAXBP1. 7	0 0. 374128	0. 531	0. 099	0 Class-G	PAXBP1
LDLR. 7	0 0. 373655	0. 41	0. 048	0 Class-G	LDLR
NBPF10. 5	0 0. 373009	0. 498	0. 088	0 Class-G	NBPF10
NECAB3. 4	0 0. 3728	0. 412	0. 046	0 Class-G	NECAB3
NBPF1. 9	0 0. 372559	0. 667	0. 165	0 Class-G	NBPF1
RND2. 8	0 0. 372439	0. 567	0. 097	0 Class-G	RND2
GLG1. 7	0 0. 372256	0. 727	0. 191	0 Class-G	GLG1
TIMM44. 6	0 0. 371193	0. 726	0. 187	0 Class-G	TIMM44
ORAI1. 6	0 0. 370672	0. 482	0. 066	0 Class-G	ORAI1
MANBAL. 11	0 0. 370478	0. 845	0. 251	0 Class-G	MANBAL
IL17RC. 4	0 0. 368513	0. 458	0. 061	0 Class-G	IL17RC
FGFR1. 6	0 0. 368284	0. 555	0. 107	0 Class-G	FGFR1
ITGA2. 8	0 0. 368271	0. 281	0. 026	0 Class-G	ITGA2
IGF2BP3. 9	0 0. 368013	0. 412	0. 058	0 Class-G	IGF2BP3
CTNNBIP1.	0 0. 367172	0. 614	0. 149	0 Class-G	CTNNBIP1
PXMP2. 9	0 0. 367162	0. 65	0. 153	0 Class-G	PXMP2
SMPD1. 7	0 0. 367159	0. 673	0. 165	0 Class-G	SMPD1
CYSTM1. 1C	0 0. 367002	0. 836	0. 241	0 Class-G	CYSTM1
SH3PXD2B.	0 0. 366796	0. 445	0. 063	0 Class-G	SH3PXD2B
DHRS13. 6	0 0. 366598	0. 401	0. 048	0 Class-G	DHRS13
ZFAND3. 4	0 0. 366471	0. 729	0. 198	0 Class-G	ZFAND3

LPP. 3	0 0.366181	0.664	0.144	0 Class-G	LPP
THOP1. 8	0 0.366172	0.604	0.135	0 Class-G	THOP1
GALNT1. 4	0 0.365882	0.614	0.139	0 Class-G	GALNT1
LONP1. 4	0 0.365691	0.628	0.135	0 Class-G	LONP1
AC093673.	0 0.365049	0.562	0.116	0 Class-G	AC093673. 5
EMP1. 7	0 0.364737	0.548	0.118	0 Class-G	EMP1
SNAPC2. 4	0 0.36452	0.619	0.135	0 Class-G	SNAPC2
ARHGAP12.	0 0.363651	0.602	0.122	0 Class-G	ARHGAP12
NOTCH3. 5	0 0.363535	0.326	0.017	0 Class-G	NOTCH3
TRIM37. 8	0 0.363487	0.511	0.09	0 Class-G	TRIM37
PEMT. 8	0 0.363056	0.666	0.138	0 Class-G	PEMT
PAICS. 10	0 0.362773	0.81	0.226	0 Class-G	PAICS
BATF3. 5	0 0.362636	0.407	0.041	0 Class-G	BATF3
POFUT1. 5	0 0.361799	0.463	0.06	0 Class-G	POFUT1
COL5A2. 8	0 0.361634	0.309	0.022	0 Class-G	COL5A2
CACNG8. 6	0 0.360345	0.363	0.025	0 Class-G	CACNG8
RAB3GAP2.	0 0.359108	0.555	0.107	0 Class-G	RAB3GAP2
STK39. 7	0 0.359006	0.403	0.052	0 Class-G	STK39
RP11-345P	0 0.358899	0.53	0.104	0 Class-G	RP11-345P4. 9
MTA1. 8	0 0.35888	0.595	0.124	0 Class-G	MTA1
BMP7. 11	0 0.358797	0.53	0.106	0 Class-G	BMP7
TEAD2. 9	0 0.35806	0.382	0.042	0 Class-G	TEAD2
ASTN1. 6	0 0.357996	0.402	0.04	0 Class-G	ASTN1
C14orf1. 8	0 0.35778	0.767	0.215	0 Class-G	C14orf1
FSTL1. 8	0 0.357583	0.443	0.06	0 Class-G	FSTL1
CREB3L1. 6	0 0.357441	0.313	0.021	0 Class-G	CREB3L1
TSKU. 7	0 0.357235	0.377	0.038	0 Class-G	TSKU
PPP2R2B. 9	0 0.357064	0.672	0.145	0 Class-G	PPP2R2B
C6orf226.	0 0.356846	0.611	0.121	0 Class-G	C6orf226
ABHD14A. 5	0 0.356774	0.662	0.15	0 Class-G	ABHD14A
BBOX1. 10	0 0.356707	0.557	0.069	0 Class-G	BBOX1
ASAP2. 7	0 0.356695	0.394	0.046	0 Class-G	ASAP2
ERF. 8	0 0.356605	0.571	0.113	0 Class-G	ERF
SPOCK2. 9	0 0.356319	0.503	0.08	0 Class-G	SPOCK2
EHD2. 9	0 0.356103	0.361	0.036	0 Class-G	EHD2
ZNF579. 7	0 0.354786	0.443	0.06	0 Class-G	ZNF579
DDX49. 7	0 0.354505	0.745	0.197	0 Class-G	DDX49
CPNE5. 6	0 0.353683	0.282	0.013	0 Class-G	CPNE5
CLPTM1L. 2	0 0.352231	0.534	0.089	0 Class-G	CLPTM1L
DLC1. 8	0 0.35217	0.369	0.04	0 Class-G	DLC1
PPFIA1. 2	0 0.351143	0.531	0.108	0 Class-G	PPFIA1
SRRD. 6	0 0.351126	0.454	0.061	0 Class-G	SRRD
MRAS. 7	0 0.35086	0.545	0.106	0 Class-G	MRAS
ADA. 6	0 0.350637	0.387	0.045	0 Class-G	ADA
ARHGEF12.	0 0.34997	0.541	0.098	0 Class-G	ARHGEF12
AKAP8L. 9	0 0.349867	0.693	0.176	0 Class-G	AKAP8L
TEN1. 6	0 0.347886	0.57	0.114	0 Class-G	TEN1
TMEM129. 4	0 0.347532	0.555	0.11	0 Class-G	TMEM129
CORO2B. 7	0 0.346537	0.405	0.051	0 Class-G	CORO2B
CHRNA9. 7	0 0.345382	0.258	0.015	0 Class-G	CHRNA9
RFTN1. 4	0 0.345048	0.41	0.06	0 Class-G	RFTN1

SYT17. 7	0 0. 344683	0. 526	0. 099	0 Class-G	SYT17
ALDH7A1. 6	0 0. 344499	0. 743	0. 199	0 Class-G	ALDH7A1
MTRF1L. 7	0 0. 344091	0. 57	0. 128	0 Class-G	MTRF1L
ROB02. 10	0 0. 343414	0. 398	0. 06	0 Class-G	ROB02
CTD-3184A	0 0. 343319	0. 415	0. 045	0 Class-G	CTD-3184A7. 4
SLC27A1. 6	0 0. 342628	0. 505	0. 104	0 Class-G	SLC27A1
NLN. 7	0 0. 342553	0. 577	0. 121	0 Class-G	NLN
TET1. 9	0 0. 342515	0. 354	0. 038	0 Class-G	TET1
PCED1A. 4	0 0. 341534	0. 483	0. 073	0 Class-G	PCED1A
FAM57A. 6	0 0. 340928	0. 387	0. 046	0 Class-G	FAM57A
ACBD5. 6	0 0. 340189	0. 552	0. 105	0 Class-G	ACBD5
DID01. 6	0 0. 339729	0. 506	0. 09	0 Class-G	DID01
SORBS3. 7	0 0. 339107	0. 549	0. 111	0 Class-G	SORBS3
PLCD3. 6	0 0. 338845	0. 317	0. 026	0 Class-G	PLCD3
SYMPK. 7	0 0. 338581	0. 634	0. 156	0 Class-G	SYMPK
TANC2. 6	0 0. 33818	0. 576	0. 126	0 Class-G	TANC2
SPRY4. 6	0 0. 337291	0. 308	0. 028	0 Class-G	SPRY4
KCNJ16. 8	0 0. 336965	0. 25	0. 022	0 Class-G	KCNJ16
OAF. 3	0 0. 33672	0. 324	0. 025	0 Class-G	OAF
PANK2. 4	0 0. 336611	0. 624	0. 14	0 Class-G	PANK2
RMDN3. 4	0 0. 336429	0. 679	0. 169	0 Class-G	RMDN3
TMEM189. 6	0 0. 33622	0. 584	0. 122	0 Class-G	TMEM189
RASSF8. 6	0 0. 335963	0. 355	0. 044	0 Class-G	RASSF8
FAM92A1. 8	0 0. 335764	0. 602	0. 135	0 Class-G	FAM92A1
FUBP3. 6	0 0. 335483	0. 671	0. 169	0 Class-G	FUBP3
RRAS. 4	0 0. 33506	0. 415	0. 055	0 Class-G	RRAS
PKN1. 5	0 0. 334917	0. 682	0. 171	0 Class-G	PKN1
NOTCH2NL.	0 0. 33468	0. 525	0. 108	0 Class-G	NOTCH2NL
TCF3. 7	0 0. 334438	0. 465	0. 075	0 Class-G	TCF3
TANC1. 9	0 0. 333801	0. 413	0. 058	0 Class-G	TANC1
RP11-660L	0 0. 333391	0. 464	0. 068	0 Class-G	RP11-660L16. 2
SIPA1L1. 4	0 0. 332451	0. 549	0. 102	0 Class-G	SIPA1L1
PLOD2. 8	0 0. 332435	0. 526	0. 102	0 Class-G	PLOD2
DCAKD. 8	0 0. 332074	0. 474	0. 084	0 Class-G	DCAKD
AGGF1. 3	0 0. 331968	0. 634	0. 152	0 Class-G	AGGF1
ZNF827. 8	0 0. 331578	0. 426	0. 064	0 Class-G	ZNF827
KANK2. 6	0 0. 330617	0. 384	0. 043	0 Class-G	KANK2
MTMR2. 5	0 0. 330573	0. 494	0. 089	0 Class-G	MTMR2
SYCE1L. 3	0 0. 330472	0. 329	0. 029	0 Class-G	SYCE1L
PITPNA-AS	0 0. 330447	0. 603	0. 129	0 Class-G	PITPNA-AS1
DPY19L1. 6	0 0. 329516	0. 405	0. 055	0 Class-G	DPY19L1
ARHGAP35.	0 0. 329083	0. 486	0. 091	0 Class-G	ARHGAP35
MED12L. 3	0 0. 329064	0. 309	0. 021	0 Class-G	MED12L
KCTD3. 5	0 0. 328463	0. 477	0. 088	0 Class-G	KCTD3
KIF9. 9	0 0. 327958	0. 585	0. 107	0 Class-G	KIF9
ENDOG. 7	0 0. 327895	0. 492	0. 091	0 Class-G	ENDOG
FAM222B. 7	0 0. 32766	0. 428	0. 062	0 Class-G	FAM222B
SMG6. 4	0 0. 327279	0. 443	0. 07	0 Class-G	SMG6
CCDC130. 6	0 0. 327183	0. 667	0. 156	0 Class-G	CCDC130
ADAMTS6. 6	0 0. 327049	0. 303	0. 027	0 Class-G	ADAMTS6
FBXW9. 5	0 0. 326987	0. 431	0. 06	0 Class-G	FBXW9

CRNDE. 6	0 0.326682	0.544	0.119	0 Class-G	CRNDE
UBE2Q1. 3	0 0.326161	0.534	0.101	0 Class-G	UBE2Q1
ASPSCR1. 4	0 0.326094	0.664	0.166	0 Class-G	ASPSCR1
PTK7. 5	0 0.325396	0.38	0.047	0 Class-G	PTK7
HELZ2. 7	0 0.323999	0.395	0.051	0 Class-G	HELZ2
SOX21-AS1	0 0.323625	0.297	0.026	0 Class-G	SOX21-AS1
PTGFRN. 6	0 0.323503	0.397	0.056	0 Class-G	PTGFRN
MMAB. 6	0 0.322762	0.6	0.131	0 Class-G	MMAB
CDH11. 9	0 0.322677	0.426	0.065	0 Class-G	CDH11
REEP6	0 0.322617	0.363	0.036	0 Class-G	REEP6
PLEKHG1. 2	0 0.322264	0.294	0.017	0 Class-G	PLEKHG1
PLCG1. 6	0 0.322185	0.385	0.054	0 Class-G	PLCG1
LAMB1. 6	0 0.322142	0.398	0.053	0 Class-G	LAMB1
NRBP2. 8	0 0.321555	0.441	0.069	0 Class-G	NRBP2
ST3GAL4. 6	0 0.321126	0.426	0.073	0 Class-G	ST3GAL4
NACC2. 7	0 0.320232	0.395	0.055	0 Class-G	NACC2
RALGAPB. 4	0 0.319722	0.42	0.06	0 Class-G	RALGAPB
ENTPD6. 4	0 0.319659	0.591	0.134	0 Class-G	ENTPD6
TRIP11. 2	0 0.31933	0.579	0.125	0 Class-G	TRIP11
GPR137. 6	0 0.319125	0.622	0.141	0 Class-G	GPR137
PLAT. 8	0 0.318516	0.413	0.072	0 Class-G	PLAT
H2AFY2. 4	0 0.318446	0.406	0.054	0 Class-G	H2AFY2
RAB11B-AS	0 0.31819	0.461	0.078	0 Class-G	RAB11B-AS1
RBBP9. 4	0 0.318155	0.381	0.047	0 Class-G	RBBP9
E2F5. 5	0 0.317445	0.312	0.025	0 Class-G	E2F5
FAM168A. 5	0 0.317113	0.442	0.076	0 Class-G	FAM168A
FGFRL1. 3	0 0.316961	0.283	0.018	0 Class-G	FGFRL1
PDRG1. 8	0 0.316669	0.73	0.193	0 Class-G	PDRG1
COQ9. 7	0 0.316385	0.686	0.169	0 Class-G	COQ9
CEND1. 8	0 0.316061	0.468	0.085	0 Class-G	CEND1
FAM63B. 5	0 0.316015	0.6	0.14	0 Class-G	FAM63B
WDR34. 7	0 0.315815	0.606	0.142	0 Class-G	WDR34
HABP4. 6	0 0.315551	0.427	0.069	0 Class-G	HABP4
DVL2. 8	0 0.31533	0.542	0.117	0 Class-G	DVL2
PPFIBP1. 8	0 0.315275	0.504	0.099	0 Class-G	PPFIBP1
SHC1. 5	0 0.315079	0.458	0.076	0 Class-G	SHC1
PTDSS2. 1C	0 0.314801	0.491	0.097	0 Class-G	PTDSS2
PCGF2. 9	0 0.314395	0.523	0.104	0 Class-G	PCGF2
PTRH1. 4	0 0.314379	0.565	0.125	0 Class-G	PTRH1
SOGA1. 9	0 0.31437	0.495	0.099	0 Class-G	SOGA1
RP11-410L	0 0.314368	0.457	0.075	0 Class-G	RP11-410L14. 2
PSMG4. 5	0 0.314143	0.592	0.133	0 Class-G	PSMG4
THAP11. 5	0 0.313714	0.54	0.116	0 Class-G	THAP11
PDDC1. 6	0 0.313658	0.498	0.088	0 Class-G	PDDC1
PARVA. 8	0 0.31329	0.384	0.048	0 Class-G	PARVA
NFS1. 4	0 0.313238	0.466	0.08	0 Class-G	NFS1
G6PD. 5	0 0.313154	0.645	0.16	0 Class-G	G6PD
CTB-3102C	0 0.312924	0.418	0.064	0 Class-G	CTB-31020. 2
RBM26. 7	0 0.312643	0.614	0.147	0 Class-G	RBM26
SATB2. 4	0 0.312461	0.327	0.031	0 Class-G	SATB2
SLC2A10. 6	0 0.312164	0.31	0.024	0 Class-G	SLC2A10

FGF1. 9	0 0. 312118	0. 357	0. 051	0 Class-G	FGF1
EPDR1. 7	0 0. 311854	0. 438	0. 076	0 Class-G	EPDR1
SUPT6H. 3	0 0. 311332	0. 558	0. 109	0 Class-G	SUPT6H
MAPK12. 5	0 0. 310723	0. 327	0. 027	0 Class-G	MAPK12
SIRT7. 4	0 0. 310591	0. 607	0. 141	0 Class-G	SIRT7
PACSIN3. 8	0 0. 309901	0. 327	0. 027	0 Class-G	PACSIN3
RDH5. 6	0 0. 309454	0. 406	0. 053	0 Class-G	RDH5
ARNT2. 10	0 0. 309377	0. 417	0. 061	0 Class-G	ARNT2
RSAD1. 6	0 0. 309286	0. 483	0. 093	0 Class-G	RSAD1
ADO. 7	0 0. 309012	0. 449	0. 073	0 Class-G	ADO
LRIG1. 9	0 0. 308584	0. 4	0. 06	0 Class-G	LRIG1
LRRTM3. 6	0 0. 308119	0. 261	0. 018	0 Class-G	LRRTM3
FAT3. 8	0 0. 308047	0. 26	0. 023	0 Class-G	FAT3
NCLN. 4	0 0. 308043	0. 514	0. 108	0 Class-G	NCLN
RP11-505K	0 0. 308034	0. 363	0. 034	0 Class-G	RP11-505K9. 1
MAN1B1. 4	0 0. 307501	0. 638	0. 154	0 Class-G	MAN1B1
MED16. 5	0 0. 307052	0. 506	0. 102	0 Class-G	MED16
SFXN5. 9	0 0. 30669	0. 594	0. 122	0 Class-G	SFXN5
MTG2. 4	0 0. 306259	0. 485	0. 092	0 Class-G	MTG2
IMPAD1. 5	0 0. 305161	0. 568	0. 124	0 Class-G	IMPAD1
ARFGEF1. 3	0 0. 304923	0. 43	0. 073	0 Class-G	ARFGEF1
FAT1. 7	0 0. 304844	0. 305	0. 027	0 Class-G	FAT1
FBN2	0 0. 304411	0. 253	0. 013	0 Class-G	FBN2
KALRN. 8	0 0. 303998	0. 365	0. 051	0 Class-G	KALRN
C6orf120.	0 0. 303535	0. 454	0. 086	0 Class-G	C6orf120
LAMB2. 6	0 0. 302625	0. 383	0. 048	0 Class-G	LAMB2
MAFG-AS1.	0 0. 302409	0. 307	0. 026	0 Class-G	MAFG-AS1
WIZ. 5	0 0. 302394	0. 421	0. 06	0 Class-G	WIZ
MED31. 4	0 0. 302386	0. 642	0. 147	0 Class-G	MED31
APPBP2. 7	0 0. 302194	0. 611	0. 143	0 Class-G	APPBP2
NUMBL. 7	0 0. 302102	0. 361	0. 045	0 Class-G	NUMBL
ZNF524. 5	0 0. 301908	0. 569	0. 125	0 Class-G	ZNF524
UQCC1. 6	0 0. 300884	0. 52	0. 107	0 Class-G	UQCC1
RP11-14N7	0 0. 300273	0. 601	0. 14	0 Class-G	RP11-14N7. 2
DGCR6. 5	0 0. 300117	0. 507	0. 096	0 Class-G	DGCR6
PTAR1. 5	0 0. 299857	0. 461	0. 083	0 Class-G	PTAR1
CHST3. 7	0 0. 299797	0. 308	0. 024	0 Class-G	CHST3
C20orf96.	0 0. 29941	0. 5	0. 093	0 Class-G	C20orf96
TXLNA. 4	0 0. 298373	0. 471	0. 085	0 Class-G	TXLNA
R3HDM2. 5	0 0. 298143	0. 52	0. 109	0 Class-G	R3HDM2
HMBS. 3	0 0. 298067	0. 598	0. 131	0 Class-G	HMBS
ZMYND11. 7	0 0. 297937	0. 476	0. 092	0 Class-G	ZMYND11
NDP. 9	0 0. 297511	0. 413	0. 062	0 Class-G	NDP
MFS12. 8	0 0. 296514	0. 58	0. 128	0 Class-G	MFS12
NID1	0 0. 29545	0. 264	0. 013	0 Class-G	NID1
MED13. 3	0 0. 29513	0. 511	0. 104	0 Class-G	MED13
SLC35D2. 5	0 0. 294314	0. 386	0. 054	0 Class-G	SLC35D2
TMEM108. 6	0 0. 293041	0. 324	0. 04	0 Class-G	TMEM108
TBX2	0 0. 292748	0. 239	0. 013	0 Class-G	TBX2
C19orf52.	0 0. 292571	0. 535	0. 115	0 Class-G	C19orf52
SLC9A3R2.	0 0. 292255	0. 409	0. 063	0 Class-G	SLC9A3R2

ZNF506. 6	0 0.292043	0.425	0.071	0 Class-G	ZNF506
LAMA4. 8	0 0.292015	0.316	0.031	0 Class-G	LAMA4
ACOT8. 3	0 0.291602	0.611	0.14	0 Class-G	ACOT8
FRMD5. 6	0 0.291242	0.283	0.021	0 Class-G	FRMD5
MECR. 6	0 0.290781	0.519	0.102	0 Class-G	MECR
RHBDF1. 5	0 0.289808	0.27	0.016	0 Class-G	RHBDF1
DENND2A. 7	0 0.289039	0.358	0.051	0 Class-G	DENND2A
AP5S1. 3	0 0.288917	0.387	0.05	0 Class-G	AP5S1
GRIA1. 3	0 0.287892	0.24	0.016	0 Class-G	GRIA1
EVA1C. 8	0 0.287796	0.298	0.035	0 Class-G	EVA1C
DNAL4. 3	0 0.287046	0.445	0.076	0 Class-G	DNAL4
STK32A. 6	0 0.287026	0.281	0.018	0 Class-G	STK32A
ADAL. 1	0 0.286951	0.408	0.066	0 Class-G	ADAL
SGSM2. 4	0 0.286659	0.4	0.054	0 Class-G	SGSM2
MRI1. 4	0 0.286298	0.402	0.063	0 Class-G	MRI1
C17orf100	0 0.286232	0.353	0.047	0 Class-G	C17orf100
PLXNA1. 3	0 0.285195	0.333	0.045	0 Class-G	PLXNA1
WDR54. 7	0 0.284862	0.66	0.164	0 Class-G	WDR54
RP4-665J2	0 0.284558	0.438	0.074	0 Class-G	RP4-665J23. 1
PIK3C2A. 2	0 0.284458	0.461	0.088	0 Class-G	PIK3C2A
MAP3K4. 1	0 0.284182	0.348	0.048	0 Class-G	MAP3K4
DUSP14. 8	0 0.283985	0.563	0.116	0 Class-G	DUSP14
LRRC3B	0 0.282617	0.207	0.012	0 Class-G	LRRC3B
TMEM161A.	0 0.282607	0.528	0.113	0 Class-G	TMEM161A
SYDE1. 6	0 0.282202	0.304	0.032	0 Class-G	SYDE1
HRH1. 10	0 0.281176	0.38	0.05	0 Class-G	HRH1
PARD3. 6	0 0.281174	0.277	0.024	0 Class-G	PARD3
LINC00152	0 0.280894	0.706	0.185	0 Class-G	LINC00152
UBE20. 7	0 0.280619	0.415	0.068	0 Class-G	UBE20
TMTC3. 3	0 0.280377	0.35	0.047	0 Class-G	TMTC3
HEY2. 6	0 0.280355	0.278	0.029	0 Class-G	HEY2
SHOX2. 7	0 0.279921	0.283	0.027	0 Class-G	SHOX2
DNM1. 6	0 0.279883	0.312	0.034	0 Class-G	DNM1
TCF7L2. 4	0 0.279856	0.364	0.05	0 Class-G	TCF7L2
TYRO3. 9	0 0.279765	0.398	0.062	0 Class-G	TYRO3
ZNF512B. 4	0 0.279569	0.314	0.035	0 Class-G	ZNF512B
CACNG7. 7	0 0.278694	0.334	0.043	0 Class-G	CACNG7
RALGAPA2.	0 0.278305	0.397	0.064	0 Class-G	RALGAPA2
ARHGEF6. 5	0 0.278241	0.466	0.089	0 Class-G	ARHGEF6
SAP30L. 6	0 0.277801	0.352	0.05	0 Class-G	SAP30L
RGAG4. 6	0 0.27655	0.277	0.027	0 Class-G	RGAG4
NDFIP2. 7	0 0.276393	0.585	0.128	0 Class-G	NDFIP2
LTBP1. 6	0 0.275194	0.24	0.019	0 Class-G	LTBP1
ZNF217. 4	0 0.27472	0.339	0.046	0 Class-G	ZNF217
PRKAA1. 1	0 0.274581	0.482	0.09	0 Class-G	PRKAA1
RPP25L. 2	0 0.274553	0.533	0.107	0 Class-G	RPP25L
C11orf68.	0 0.274344	0.392	0.06	0 Class-G	C11orf68
TMEM63B. 4	0 0.273164	0.455	0.083	0 Class-G	TMEM63B
B3GALT1. 7	0 0.271773	0.253	0.017	0 Class-G	B3GALT1
SSBP2. 10	0 0.27167	0.75	0.191	0 Class-G	SSBP2
ANGPTL1. 1	0 0.270074	0.212	0.011	0 Class-G	ANGPTL1

ZFHx4-AS1	0	0.269644	0.253	0.017	0 Class-G	ZFHx4-AS1
OSMR. 9	0	0.268825	0.344	0.043	0 Class-G	OSMR
SHROOM3. 1	0	0.267162	0.232	0.01	0 Class-G	SHROOM3
CTU1. 4	0	0.265028	0.317	0.038	0 Class-G	CTU1
IZUM04. 6	0	0.264803	0.287	0.03	0 Class-G	IZUM04
ADAM12	0	0.263792	0.224	0.016	0 Class-G	ADAM12
CMTM8	0	0.262922	0.252	0.015	0 Class-G	CMTM8
TEAD4. 7	0	0.259859	0.267	0.017	0 Class-G	TEAD4
TNKS1BP1.	0	0.257414	0.308	0.035	0 Class-G	TNKS1BP1
IVD. 4	0	0.256183	0.597	0.134	0 Class-G	IVD
TMED1. 7	0	0.255799	0.779	0.211	0 Class-G	TMED1
ASPHD2. 1	0	0.254495	0.266	0.025	0 Class-G	ASPHD2
SLC25A18.	0	0.251287	0.364	0.042	0 Class-G	SLC25A18
S100A13. 9	0	0.248274	0.795	0.214	0 Class-G	S100A13
OSBPL10	0	0.248122	0.226	0.015	0 Class-G	OSBPL10
HOMER2. 2	0	0.247168	0.264	0.021	0 Class-G	HOMER2
NEIL2. 8	0	0.246715	0.594	0.134	0 Class-G	NEIL2
TOM1L1. 6	0	0.245638	0.261	0.024	0 Class-G	TOM1L1
HSD17B1. 4	0	0.244611	0.263	0.022	0 Class-G	HSD17B1
TRIM7	0	0.244482	0.232	0.012	0 Class-G	TRIM7
SEPT8. 11	0	0.244141	0.582	0.132	0 Class-G	8-Sep
EFHC1. 9	0	0.239931	0.607	0.14	0 Class-G	EFHC1
ZNRF3	0	0.239453	0.238	0.018	0 Class-G	ZNRF3
PCDHGA10	0	0.239309	0.213	0.01	0 Class-G	PCDHGA10
C9orf116.	0	0.238833	0.315	0.037	0 Class-G	C9orf116
KDELR3. 3	0	0.234374	0.272	0.025	0 Class-G	KDELR3
SWI5. 8	0	0.2329	0.685	0.173	0 Class-G	SWI5
ACOX2. 4	0	0.226286	0.25	0.02	0 Class-G	ACOX2
GPX8. 10	0	0.222988	0.275	0.028	0 Class-G	GPX8
BOK. 11	0	0.211649	0.315	0.037	0 Class-G	BOK
DTNA. 10	0	0.203898	0.708	0.178	0 Class-G	DTNA
PTMA. 8	0	-0.5334	0.998	0.962	0 Class-G	PTMA
UBC. 5	0	-0.61132	0.992	0.944	0 Class-G	UBC
FOS. 7	0	-1.0019	0.799	0.847	0 Class-G	FOS
SPP1. 8	0	-1.13308	0.762	0.869	0 Class-G	SPP1
CD74. 10	0	-1.50544	0.434	0.803	0 Class-G	CD74
HLA-DRA. 1	0	-1.57784	0.253	0.695	0 Class-G	HLA-DRA
LINC00461	#####	0.405862	0.822	0.238	##### Class-G	LINC00461
VIM. 9	#####	0.538152	0.992	0.61	##### Class-G	VIM
NUDT8. 3	#####	0.256055	0.296	0.034	##### Class-G	NUDT8
PCDH19. 8	#####	0.265339	0.267	0.026	##### Class-G	PCDH19
MCUR1. 7	#####	0.384122	0.707	0.189	##### Class-G	MCUR1
MAN1C1. 3	#####	0.237328	0.329	0.044	##### Class-G	MAN1C1
SUZ12. 5	#####	0.327734	0.577	0.132	##### Class-G	SUZ12
BLOC1S4. 1	#####	0.34449	0.672	0.173	##### Class-G	BLOC1S4
TM9SF4. 4	#####	0.276356	0.561	0.127	##### Class-G	TM9SF4
FDX1L. 5	#####	0.273596	0.709	0.186	##### Class-G	FDX1L
PGPEP1. 3	#####	0.268069	0.445	0.083	##### Class-G	PGPEP1
RP1-79C4.	#####	0.247783	0.241	0.02	##### Class-G	RP1-79C4. 4
CNR1. 8	#####	0.319464	0.3	0.036	##### Class-G	CNR1
NUDT16L1.	#####	0.345415	0.746	0.205	##### Class-G	NUDT16L1

GATAD2A.1	#####	0.254059	0.433	0.078	#####	Class-G	GATAD2A
MAP9.8	#####	0.313696	0.564	0.127	#####	Class-G	MAP9
NMT1.3	#####	0.350371	0.716	0.195	#####	Class-G	NMT1
TMEM98.8	#####	0.346354	0.653	0.167	#####	Class-G	TMEM98
FASN.9	#####	0.304846	0.405	0.069	#####	Class-G	FASN
ZMYM4.4	#####	0.290629	0.426	0.076	#####	Class-G	ZMYM4
FKBP9.8	#####	0.320436	0.537	0.118	#####	Class-G	FKBP9
ICMT.4	#####	0.294323	0.441	0.082	#####	Class-G	ICMT
CDK16.5	#####	0.338906	0.653	0.167	#####	Class-G	CDK16
SORT1.7	#####	0.294469	0.646	0.161	#####	Class-G	SORT1
AP2B1.9	#####	0.422774	0.841	0.259	#####	Class-G	AP2B1
PPP2R5A.3	#####	0.263716	0.396	0.066	#####	Class-G	PPP2R5A
CSNK2A1.8	#####	0.381494	0.808	0.236	#####	Class-G	CSNK2A1
LENG8.4	#####	0.303302	0.634	0.156	#####	Class-G	LENG8
CTNND2.8	#####	0.324921	0.495	0.102	#####	Class-G	CTNND2
XIAP.3	#####	0.284011	0.612	0.148	#####	Class-G	XIAP
A1BG.4	#####	0.362467	0.771	0.222	#####	Class-G	A1BG
GALNS.3	#####	0.285547	0.437	0.081	#####	Class-G	GALNS
DDX52.7	#####	0.303123	0.674	0.174	#####	Class-G	DDX52
RP11-1094	#####	0.282427	0.656	0.165	#####	Class-G	RP11-1094M14.11
TRIP6.10	#####	0.267406	0.685	0.178	#####	Class-G	TRIP6
OBSL1.9	#####	0.288127	0.469	0.093	#####	Class-G	OBSL1
RABL6.6	#####	0.341016	0.679	0.176	#####	Class-G	RABL6
RASSF2.4	#####	0.30739	0.705	0.186	#####	Class-G	RASSF2
ABCD3.6	#####	0.329308	0.572	0.134	#####	Class-G	ABCD3
TENM1.7	#####	0.317303	0.294	0.035	#####	Class-G	TENM1
SULF2.6	#####	0.344414	0.495	0.104	#####	Class-G	SULF2
BAIAP2-AS	#####	0.235189	0.274	0.029	#####	Class-G	BAIAP2-AS1
RGS20	#####	0.234497	0.195	0.01	#####	Class-G	RGS20
ZCCHC3.8	#####	0.258143	0.38	0.061	#####	Class-G	ZCCHC3
FBXO9.5	#####	0.300825	0.597	0.143	#####	Class-G	FBXO9
IGF2BP2.8	#####	0.335739	0.315	0.042	#####	Class-G	IGF2BP2
DUSP4.9	#####	0.285968	0.543	0.12	#####	Class-G	DUSP4
JAM2.11	#####	0.26792	0.691	0.181	#####	Class-G	JAM2
TMEM259.5	#####	0.395933	0.838	0.253	#####	Class-G	TMEM259
C19orf24.	#####	0.443201	0.863	0.283	#####	Class-G	C19orf24
PPP1R8.4	#####	0.264593	0.629	0.156	#####	Class-G	PPP1R8
SLC25A33.	#####	0.326681	0.618	0.153	#####	Class-G	SLC25A33
PABPC1L.2	#####	0.255116	0.285	0.033	#####	Class-G	PABPC1L
PDLIM5.4	#####	0.31593	0.618	0.154	#####	Class-G	PDLIM5
MIB2.7	#####	0.291659	0.475	0.096	#####	Class-G	MIB2
METTL23.5	#####	0.38235	0.794	0.241	#####	Class-G	METTL23
PET117.4	#####	0.265727	0.54	0.121	#####	Class-G	PET117
DPYSL5.1C	#####	0.313608	0.505	0.107	#####	Class-G	DPYSL5
SLC4A3.7	#####	0.256029	0.341	0.049	#####	Class-G	SLC4A3
TRIM16.7	#####	0.276087	0.433	0.08	#####	Class-G	TRIM16
CNKSR2.8	#####	0.254226	0.268	0.028	#####	Class-G	CNKSR2
NTHL1.5	#####	0.235329	0.559	0.127	#####	Class-G	NTHL1
NF1.6	#####	0.303153	0.628	0.157	#####	Class-G	NF1
RP11-66N1	#####	0.241377	0.332	0.046	#####	Class-G	RP11-66N11.8
IRS2.7	#####	0.407965	0.851	0.266	#####	Class-G	IRS2



C18orf21. #####	0.286422	0.506	0.109	##### Class-G	C18orf21
PRPF4B.4 #####	0.33341	0.723	0.2	##### Class-G	PRPF4B
CHCHD10.9 #####	0.493758	0.905	0.295	##### Class-G	CHCHD10
SEMA3E.5 #####	0.31114	0.24	0.021	##### Class-G	SEMA3E
ZNF521.6 #####	0.273934	0.324	0.044	##### Class-G	ZNF521
C12orf76. #####	0.245282	0.717	0.192	##### Class-G	C12orf76
CRK.6 #####	0.397535	0.8	0.237	##### Class-G	CRK
ATPAF2.6 #####	0.250508	0.611	0.148	##### Class-G	ATPAF2
ICT1.4 #####	0.278195	0.656	0.168	##### Class-G	ICT1
NLGN1.9 #####	0.307592	0.449	0.087	##### Class-G	NLGN1
PHLDA3.7 #####	0.29908	0.52	0.114	##### Class-G	PHLDA3
OXTR.1 #####	0.30741	0.212	0.015	##### Class-G	OXTR
MAPK11.6 #####	0.24016	0.248	0.023	##### Class-G	MAPK11
MOXD1.8 #####	0.280867	0.243	0.022	##### Class-G	MOXD1
HRAS.9 #####	0.39907	0.757	0.218	##### Class-G	HRAS
PLOD1.6 #####	0.260899	0.563	0.13	##### Class-G	PLOD1
PXN.4 #####	0.277289	0.418	0.076	##### Class-G	PXN
FAM69B.6 #####	0.246464	0.258	0.026	##### Class-G	FAM69B
MPND.2 #####	0.277844	0.34	0.05	##### Class-G	MPND
RP11-680F #####	0.196544	0.175	0.007	##### Class-G	RP11-680F8.1
GTPBP6.4 #####	0.30661	0.603	0.148	##### Class-G	GTPBP6
PCMTD2.9 #####	0.322888	0.636	0.16	##### Class-G	PCMTD2
OGFR.5 #####	0.343119	0.751	0.211	##### Class-G	OGFR
IQCK.6 #####	0.259135	0.423	0.078	##### Class-G	IQCK
SLC35E2B. #####	0.268622	0.465	0.092	##### Class-G	SLC35E2B
MLST8.7 #####	0.281829	0.655	0.168	##### Class-G	MLST8
GID8.4 #####	0.281062	0.677	0.177	##### Class-G	GID8
LRRN2.5 #####	0.2618	0.251	0.024	##### Class-G	LRRN2
KHSRP.8 #####	0.32429	0.657	0.17	##### Class-G	KHSRP
ST5.9 #####	0.247861	0.477	0.098	##### Class-G	ST5
ZNF322.7 #####	0.269651	0.439	0.083	##### Class-G	ZNF322
RP13-1032 #####	0.25886	0.312	0.041	##### Class-G	RP13-1032I1.7
MAP7D3.4 #####	0.233703	0.401	0.071	##### Class-G	MAP7D3
LSM14B.4 #####	0.259187	0.364	0.057	##### Class-G	LSM14B
DHX40.7 #####	0.293107	0.45	0.088	##### Class-G	DHX40
GAP43.10 #####	0.474111	0.913	0.393	##### Class-G	GAP43
GRIK1 #####	0.239262	0.193	0.011	##### Class-G	GRIK1
GSK3A.8 #####	0.287917	0.559	0.13	##### Class-G	GSK3A
SCO1.4 #####	0.287864	0.507	0.11	##### Class-G	SCO1
ZDHHC24.6 #####	0.275803	0.555	0.128	##### Class-G	ZDHHC24
HEG1.3 #####	0.267183	0.292	0.036	##### Class-G	HEG1
LSS.8 #####	0.273525	0.357	0.056	##### Class-G	LSS
RNASEH1-A #####	0.261147	0.534	0.12	##### Class-G	RNASEH1-AS1
LIX1L.3 #####	0.287939	0.451	0.089	##### Class-G	LIX1L
THUMPD3.5 #####	0.24054	0.566	0.133	##### Class-G	THUMPD3
TAF13.5 #####	0.274442	0.445	0.087	##### Class-G	TAF13
TRIM24.1C #####	0.345641	0.558	0.132	##### Class-G	TRIM24
LRFN4.4 #####	0.239413	0.297	0.037	##### Class-G	LRFN4
CEP290.7 #####	0.295292	0.488	0.104	##### Class-G	CEP290
RTKN.11 #####	0.23832	0.52	0.114	##### Class-G	RTKN
C2CD4A #####	0.253255	0.153	0.003	##### Class-G	C2CD4A

SLC26A11.	#####	0.24923	0.374	0.061	#####	Class-G	SLC26A11
P2RY1.1	#####	0.258787	0.224	0.018	#####	Class-G	P2RY1
CKB.11	#####	0.550822	0.995	0.515	#####	Class-G	CKB
CTC-444N2	#####	0.264914	0.441	0.085	#####	Class-G	CTC-444N24.11
ZNF444.7	#####	0.300407	0.494	0.106	#####	Class-G	ZNF444
TGIF2.4	#####	0.240376	0.323	0.045	#####	Class-G	TGIF2
VCL.5	#####	0.259807	0.358	0.057	#####	Class-G	VCL
LIFR.8	#####	0.293876	0.382	0.065	#####	Class-G	LIFR
MBOAT2.1C	#####	0.333989	0.535	0.124	#####	Class-G	MBOAT2
CLASP1.8	#####	0.281234	0.447	0.087	#####	Class-G	CLASP1
ARHGAP5.7	#####	0.273666	0.566	0.133	#####	Class-G	ARHGAP5
SMARCA4.1	#####	0.415573	0.876	0.277	#####	Class-G	SMARCA4
RNF24.8	#####	0.347803	0.669	0.179	#####	Class-G	RNF24
CDH4.9	#####	0.281535	0.329	0.047	#####	Class-G	CDH4
RAB9A.6	#####	0.275503	0.775	0.227	#####	Class-G	RAB9A
PCYOX1.4	#####	0.266557	0.537	0.122	#####	Class-G	PCYOX1
RP11-553L	#####	0.297779	0.636	0.159	#####	Class-G	RP11-553L6.5
GJC1.6	#####	0.257144	0.269	0.03	#####	Class-G	GJC1
TMEM255A.	#####	0.28941	0.364	0.06	#####	Class-G	TMEM255A
RCN1.11	#####	0.407003	0.865	0.271	#####	Class-G	RCN1
TNFRSF21.	#####	0.320964	0.498	0.108	#####	Class-G	TNFRSF21
SRGN.11	#####	-1.74599	0.094	0.565	#####	Class-G	SRGN
PPFIA3.8	#####	0.259952	0.335	0.049	#####	Class-G	PPFIA3
BCHE.8	#####	0.354082	0.543	0.128	#####	Class-G	BCHE
SUGP2.7	#####	0.279632	0.674	0.176	#####	Class-G	SUGP2
E2F6.5	#####	0.250815	0.46	0.093	#####	Class-G	E2F6
STRN3.3	#####	0.2604	0.428	0.081	#####	Class-G	STRN3
NR2E1.4	#####	0.249851	0.247	0.024	#####	Class-G	NR2E1
PXDN.7	#####	0.290791	0.361	0.058	#####	Class-G	PXDN
TTYH2.9	#####	0.187651	0.398	0.069	#####	Class-G	TTYH2
EVI5.4	#####	0.292407	0.544	0.126	#####	Class-G	EVI5
ZFR.7	#####	0.34735	0.778	0.228	#####	Class-G	ZFR
R3HDM4.5	#####	0.291032	0.577	0.139	#####	Class-G	R3HDM4
PDP1.7	#####	0.362804	0.415	0.079	#####	Class-G	PDP1
RRP8.4	#####	0.227395	0.422	0.079	#####	Class-G	RRP8
PDCD7.6	#####	0.304091	0.617	0.156	#####	Class-G	PDCD7
RNF187.8	#####	0.419871	0.893	0.293	#####	Class-G	RNF187
SOCS6.7	#####	0.284018	0.636	0.163	#####	Class-G	SOCS6
LRRC4B.11	#####	0.28672	0.435	0.084	#####	Class-G	LRRC4B
LYST.5	#####	0.257742	0.473	0.097	#####	Class-G	LYST
DCLK2.11	#####	0.352833	0.564	0.136	#####	Class-G	DCLK2
CBY1.6	#####	0.22692	0.492	0.105	#####	Class-G	CBY1
EXTL2.8	#####	0.279502	0.509	0.112	#####	Class-G	EXTL2
UBXN6.5	#####	0.347876	0.768	0.223	#####	Class-G	UBXN6
SLC35E4.1	#####	0.244686	0.269	0.03	#####	Class-G	SLC35E4
NAB2.4	#####	0.266579	0.453	0.091	#####	Class-G	NAB2
NQO1.7	#####	0.253904	0.377	0.065	#####	Class-G	NQO1
CCDC109B.	#####	0.467839	0.831	0.27	#####	Class-G	CCDC109B
USP8.3	#####	0.237828	0.693	0.188	#####	Class-G	USP8
DUSP6.3	#####	0.334128	0.657	0.177	#####	Class-G	DUSP6
ST6GALNAC	#####	0.23284	0.154	0.004	#####	Class-G	ST6GALNAC5

TCTN1. 8	#####	0. 229445	0. 602	0. 148	#####	Class-G	TCTN1
SDF4. 4	#####	0. 48397	0. 9	0. 322	#####	Class-G	SDF4
FAM184B. 4	#####	0. 187562	0. 379	0. 064	#####	Class-G	FAM184B
UBTD1. 5	#####	0. 246917	0. 386	0. 067	#####	Class-G	UBTD1
C11orf49.	#####	0. 2545	0. 651	0. 169	#####	Class-G	C11orf49
TOP1. 6	#####	0. 460578	0. 884	0. 308	#####	Class-G	TOP1
LZTS1. 9	#####	0. 260743	0. 259	0. 028	#####	Class-G	LZTS1
AHNAK2	#####	0. 271823	0. 198	0. 013	#####	Class-G	AHNAK2
TSR1. 6	#####	0. 269204	0. 552	0. 13	#####	Class-G	TSR1
FADD. 4	#####	0. 270026	0. 439	0. 087	#####	Class-G	FADD
FAM120A. 7	#####	0. 284302	0. 596	0. 147	#####	Class-G	FAM120A
STK17A. 9	#####	0. 376839	0. 746	0. 219	#####	Class-G	STK17A
SEMA5A. 8	#####	0. 352182	0. 364	0. 061	#####	Class-G	SEMA5A
DNALI1. 8	#####	0. 219451	0. 387	0. 068	#####	Class-G	DNALI1
PTPN14. 4	#####	0. 220307	0. 281	0. 034	#####	Class-G	PTPN14
TMEM53. 6	#####	0. 193107	0. 369	0. 062	#####	Class-G	TMEM53
GTF2E2. 4	#####	0. 273261	0. 549	0. 129	#####	Class-G	GTF2E2
DCLK1. 8	#####	0. 347166	0. 469	0. 099	#####	Class-G	DCLK1
GPX7. 6	#####	0. 193815	0. 528	0. 119	#####	Class-G	GPX7
HOXD11. 7	#####	0. 261052	0. 3	0. 04	#####	Class-G	HOXD11
DOLK. 6	#####	0. 239616	0. 417	0. 079	#####	Class-G	DOLK
PRPSAP1. 9	#####	0. 361778	0. 776	0. 229	#####	Class-G	PRPSAP1
GLIS3. 4	#####	0. 270688	0. 303	0. 041	#####	Class-G	GLIS3
TMEM42. 5	#####	0. 209329	0. 494	0. 106	#####	Class-G	TMEM42
LETM1. 3	#####	0. 301243	0. 54	0. 127	#####	Class-G	LETM1
PLEKHB1. 8	#####	0. 119864	0. 608	0. 148	#####	Class-G	PLEKHB1
ADNP. 9	#####	0. 29154	0. 56	0. 133	#####	Class-G	ADNP
PHYH. 2	#####	0. 19653	0. 507	0. 111	#####	Class-G	PHYH
LYRM2. 4	#####	0. 30448	0. 757	0. 218	#####	Class-G	LYRM2
STAU1. 7	#####	0. 419913	0. 859	0. 286	#####	Class-G	STAU1
CLIC4. 10	#####	0. 349034	0. 811	0. 254	#####	Class-G	CLIC4
ALKBH5. 7	#####	0. 414914	0. 792	0. 247	#####	Class-G	ALKBH5
SPNS1. 6	#####	0. 362151	0. 745	0. 216	#####	Class-G	SPNS1
GMPR. 3	#####	0. 26355	0. 315	0. 044	#####	Class-G	GMPR
IFT43. 8	#####	0. 210518	0. 691	0. 186	#####	Class-G	IFT43
WIPF2. 4	#####	0. 257706	0. 576	0. 14	#####	Class-G	WIPF2
DNPEP. 4	#####	0. 290807	0. 656	0. 174	#####	Class-G	DNPEP
PXDC1. 6	#####	0. 296809	0. 472	0. 1	#####	Class-G	PXDC1
EIF1. 8	#####	-0. 49558	1	0. 97	#####	Class-G	EIF1
GALNT2. 5	#####	0. 275462	0. 66	0. 176	#####	Class-G	GALNT2
MED11. 2	#####	0. 227072	0. 612	0. 153	#####	Class-G	MED11
ACACA. 4	#####	0. 23831	0. 342	0. 053	#####	Class-G	ACACA
PIGS. 4	#####	0. 241318	0. 538	0. 124	#####	Class-G	PIGS
AGPAT5. 7	#####	0. 258338	0. 589	0. 147	#####	Class-G	AGPAT5
ACO07405.	#####	0. 231234	0. 278	0. 033	#####	Class-G	ACO07405. 6
PRRT2. 8	#####	0. 240487	0. 335	0. 051	#####	Class-G	PRRT2
ROM1. 9	#####	0. 164818	0. 388	0. 068	#####	Class-G	ROM1
FAM219B. 4	#####	0. 240578	0. 468	0. 098	#####	Class-G	FAM219B
TPGS1. 5	#####	0. 360704	0. 782	0. 233	#####	Class-G	TPGS1
ZNF148. 3	#####	0. 271519	0. 668	0. 18	#####	Class-G	ZNF148
LPL. 7	#####	0. 340532	0. 478	0. 106	#####	Class-G	LPL

WSB2.9	#####	0.31146	0.618	0.159	#####	Class-G	WSB2
NRIP1.5	#####	0.30541	0.406	0.076	#####	Class-G	NRIP1
FAM78B	#####	0.187286	0.185	0.01	#####	Class-G	FAM78B
EPB41L1.8	#####	0.241927	0.328	0.049	#####	Class-G	EPB41L1
IARS.6	#####	0.275158	0.592	0.148	#####	Class-G	IARS
ENDOV.7	#####	0.232997	0.616	0.156	#####	Class-G	ENDOV
DVL3.5	#####	0.285702	0.473	0.101	#####	Class-G	DVL3
EMID1.7	#####	0.269774	0.288	0.037	#####	Class-G	EMID1
PRRC2A.5	#####	0.279386	0.66	0.175	#####	Class-G	PRRC2A
GAN.7	#####	0.278468	0.448	0.091	#####	Class-G	GAN
GALK1.8	#####	0.254871	0.581	0.143	#####	Class-G	GALK1
CPD.6	#####	0.266287	0.488	0.107	#####	Class-G	CPD
IGDCC4	#####	0.217945	0.213	0.017	#####	Class-G	IGDCC4
TMEM134.6	#####	0.305064	0.781	0.232	#####	Class-G	TMEM134
HOOK2.8	#####	0.224168	0.645	0.167	#####	Class-G	HOOK2
RRAGD.4	#####	0.292962	0.42	0.082	#####	Class-G	RRAGD
FSD1.9	#####	0.27142	0.477	0.102	#####	Class-G	FSD1
C19orf66.	#####	0.253477	0.684	0.186	#####	Class-G	C19orf66
PTPN9.3	#####	0.236592	0.411	0.078	#####	Class-G	PTPN9
USP22.10	#####	0.358957	0.796	0.241	#####	Class-G	USP22
IFT81.8	#####	0.278268	0.485	0.106	#####	Class-G	IFT81
PCIF1.3	#####	0.202456	0.453	0.092	#####	Class-G	PCIF1
SHC4.6	#####	0.26627	0.249	0.026	#####	Class-G	SHC4
RP11-81A2	#####	0.206578	0.24	0.023	#####	Class-G	RP11-81A22.5
TRIM69.4	#####	0.23294	0.568	0.137	#####	Class-G	TRIM69
CHST10.8	#####	0.290232	0.443	0.09	#####	Class-G	CHST10
AGRN.5	#####	0.251358	0.342	0.054	#####	Class-G	AGRN
OXR1.9	#####	0.316598	0.668	0.184	#####	Class-G	OXR1
CAMSAP2.7	#####	0.271673	0.465	0.098	#####	Class-G	CAMSAP2
TMEM67.7	#####	0.22534	0.343	0.055	#####	Class-G	TMEM67
ZNF577.7	#####	0.261419	0.335	0.052	#####	Class-G	ZNF577
SCAMP4.7	#####	0.29613	0.703	0.197	#####	Class-G	SCAMP4
F12.8	#####	0.277586	0.301	0.041	#####	Class-G	F12
SH3RF1.7	#####	0.253472	0.37	0.063	#####	Class-G	SH3RF1
PPP1CB.7	#####	0.481042	0.964	0.431	#####	Class-G	PPP1CB
SUCO.5	#####	0.254656	0.474	0.101	#####	Class-G	SUCO
EEA1.5	#####	0.352094	0.65	0.179	#####	Class-G	EEA1
ATN1.9	#####	0.279313	0.535	0.126	#####	Class-G	ATN1
GLRX5.8	#####	0.321728	0.763	0.22	#####	Class-G	GLRX5
ATP6VOE2.	#####	0.46701	0.963	0.369	#####	Class-G	ATP6VOE2
GAD1.10	#####	0.3866	0.381	0.069	#####	Class-G	GAD1
RBCK1.5	#####	0.361426	0.817	0.259	#####	Class-G	RBCK1
MAZ.8	#####	0.315363	0.668	0.182	#####	Class-G	MAZ
C9orf69.2	#####	0.241498	0.337	0.053	#####	Class-G	C9orf69
FEM1C.5	#####	0.281564	0.441	0.09	#####	Class-G	FEM1C
CHST14.3	#####	0.239061	0.301	0.042	#####	Class-G	CHST14
BLM.5	#####	0.259957	0.305	0.043	#####	Class-G	BLM
DOCK7.3	#####	0.25213	0.412	0.079	#####	Class-G	DOCK7
ACOX1.3	#####	0.272592	0.497	0.112	#####	Class-G	ACOX1
CERCAM.9	#####	0.20897	0.421	0.082	#####	Class-G	CERCAM
IRF3.4	#####	0.234928	0.659	0.176	#####	Class-G	IRF3

FAM43A	#####	0.225843	0.196	0.013	#####	Class-G	FAM43A
SCYL2.4	#####	0.276948	0.431	0.087	#####	Class-G	SCYL2
FTL.11	#####	-0.54077	1	0.993	#####	Class-G	FTL
SMARCD1.9	#####	0.288975	0.598	0.152	#####	Class-G	SMARCD1
BRINP2.8	#####	0.306243	0.286	0.037	#####	Class-G	BRINP2
CD276.4	#####	0.30423	0.61	0.159	#####	Class-G	CD276
AKAP6.8	#####	0.289672	0.357	0.06	#####	Class-G	AKAP6
TXLNB	#####	0.19484	0.182	0.01	#####	Class-G	TXLNB
IDS.4	#####	0.38186	0.857	0.289	#####	Class-G	IDS
WASF3.6	#####	0.286719	0.295	0.04	#####	Class-G	WASF3
IFRD2.4	#####	0.276741	0.585	0.147	#####	Class-G	IFRD2
TMEM80.3	#####	0.229118	0.505	0.114	#####	Class-G	TMEM80
CLPP.4	#####	0.369398	0.909	0.315	#####	Class-G	CLPP
MEX3C.5	#####	0.272637	0.338	0.054	#####	Class-G	MEX3C
SHC3.1	#####	0.214769	0.223	0.02	#####	Class-G	SHC3
RBM27.7	#####	0.30244	0.617	0.162	#####	Class-G	RBM27
MAPKAP1.4	#####	0.288958	0.665	0.182	#####	Class-G	MAPKAP1
LIPE-AS1.	#####	0.234071	0.389	0.071	#####	Class-G	LIPE-AS1
JAKMIP2.7	#####	0.272987	0.465	0.1	#####	Class-G	JAKMIP2
KNOP1.8	#####	0.301851	0.681	0.191	#####	Class-G	KNOP1
DALRD3.7	#####	0.250156	0.496	0.111	#####	Class-G	DALRD3
C8orf82.8	#####	0.284054	0.507	0.116	#####	Class-G	C8orf82
SAMD1.3	#####	0.239733	0.359	0.061	#####	Class-G	SAMD1
CDC42BPB.	#####	0.241143	0.396	0.074	#####	Class-G	CDC42BPB
MARK3.8	#####	0.307081	0.74	0.213	#####	Class-G	MARK3
ZNF644.4	#####	0.277088	0.671	0.184	#####	Class-G	ZNF644
NADK.6	#####	0.256857	0.498	0.113	#####	Class-G	NADK
PLA2G5.9	#####	0.198811	0.373	0.065	#####	Class-G	PLA2G5
CALM2.7	#####	-0.47795	1	0.921	#####	Class-G	CALM2
EIF2AK4.5	#####	0.269747	0.527	0.125	#####	Class-G	EIF2AK4
LINC00094	#####	0.277794	0.415	0.082	#####	Class-G	LINC00094
SLC44A2.8	#####	0.277104	0.571	0.142	#####	Class-G	SLC44A2
GLDC.7	#####	0.228562	0.275	0.035	#####	Class-G	GLDC
SNHG9.7	#####	0.26876	0.774	0.228	#####	Class-G	SNHG9
SCD.10	#####	0.175648	0.592	0.15	#####	Class-G	SCD
IER5L.3	#####	0.251952	0.346	0.057	#####	Class-G	IER5L
TASP1.5	#####	0.195654	0.334	0.053	#####	Class-G	TASP1
PMP22.9	#####	0.348947	0.942	0.343	#####	Class-G	PMP22
FGF14.9	#####	0.269045	0.317	0.047	#####	Class-G	FGF14
DDX42.6	#####	0.268377	0.602	0.156	#####	Class-G	DDX42
GNA11.5	#####	0.253505	0.364	0.064	#####	Class-G	GNA11
TRMT61A.2	#####	0.219844	0.412	0.081	#####	Class-G	TRMT61A
DHX30.6	#####	0.277994	0.675	0.189	#####	Class-G	DHX30
IDI1.8	#####	0.314487	0.784	0.249	#####	Class-G	IDI1
ZBTB7A.5	#####	0.253325	0.522	0.122	#####	Class-G	ZBTB7A
WNK3.8	#####	0.265928	0.395	0.075	#####	Class-G	WNK3
SLC22A4	#####	0.238335	0.218	0.019	#####	Class-G	SLC22A4
UBE3A.9	#####	0.346394	0.729	0.215	#####	Class-G	UBE3A
ERRFI1.6	#####	0.31408	0.46	0.101	#####	Class-G	ERRFI1
PTPRS.11	#####	0.35285	0.67	0.191	#####	Class-G	PTPRS
CADM4.10	#####	0.311568	0.692	0.193	#####	Class-G	CADM4

VAV3. 3	#####	0. 264496	0. 266	0. 032	#####	Class-G	VAV3
MORN2. 8	#####	0. 220933	0. 686	0. 193	#####	Class-G	MORN2
DFFA. 5	#####	0. 208183	0. 607	0. 156	#####	Class-G	DFFA
AKT2. 3	#####	0. 275873	0. 531	0. 129	#####	Class-G	AKT2
TMX4. 7	#####	0. 306649	0. 656	0. 179	#####	Class-G	TMX4
HEPACAM. 1	#####	0. 368558	0. 509	0. 123	#####	Class-G	HEPACAM
FNDC3B. 7	#####	0. 25579	0. 51	0. 119	#####	Class-G	FNDC3B
CNP. 9	#####	0. 218473	0. 878	0. 295	#####	Class-G	CNP
MAEL	#####	0. 190066	0. 17	0. 009	#####	Class-G	MAEL
GTF2H3. 4	#####	0. 237555	0. 443	0. 092	#####	Class-G	GTF2H3
PEX11G. 2	#####	0. 205481	0. 284	0. 038	#####	Class-G	PEX11G
CELSR2. 8	#####	0. 235078	0. 333	0. 053	#####	Class-G	CELSR2
MMP11	#####	0. 20891	0. 18	0. 011	#####	Class-G	MMP11
PSEN2. 5	#####	0. 220898	0. 377	0. 069	#####	Class-G	PSEN2
B9D1. 6	#####	0. 183081	0. 351	0. 06	#####	Class-G	B9D1
ZNF83. 4	#####	0. 24107	0. 559	0. 138	#####	Class-G	ZNF83
EPHA4. 8	#####	0. 263049	0. 304	0. 045	#####	Class-G	EPHA4
SIK3. 7	#####	0. 213008	0. 364	0. 064	#####	Class-G	SIK3
DTWD1. 1	#####	0. 221481	0. 431	0. 088	#####	Class-G	DTWD1
ARMC6. 5	#####	0. 260512	0. 48	0. 108	#####	Class-G	ARMC6
SCARF2	#####	0. 200814	0. 203	0. 016	#####	Class-G	SCARF2
DMPK. 5	#####	0. 234299	0. 264	0. 033	#####	Class-G	DMPK
SLC35A4. 2	#####	0. 214951	0. 582	0. 147	#####	Class-G	SLC35A4
GANAB. 5	#####	0. 297506	0. 705	0. 202	#####	Class-G	GANAB
FLOT2. 6	#####	0. 193133	0. 537	0. 128	#####	Class-G	FLOT2
POLRMT. 3	#####	0. 269813	0. 417	0. 084	#####	Class-G	POLRMT
CHD6. 10	#####	0. 272455	0. 652	0. 178	#####	Class-G	CHD6
LINC00665	#####	0. 211509	0. 534	0. 129	#####	Class-G	LINC00665
RNF126. 7	#####	0. 321765	0. 737	0. 218	#####	Class-G	RNF126
KCMF1. 6	#####	0. 265957	0. 542	0. 134	#####	Class-G	KCMF1
ARAP3. 7	#####	0. 24372	0. 263	0. 032	#####	Class-G	ARAP3
OTP. 1	#####	0. 224702	0. 21	0. 018	#####	Class-G	OTP
TOMM40. 8	#####	0. 363749	0. 8	0. 25	#####	Class-G	TOMM40
ITGB1. 7	#####	0. 443417	0. 851	0. 31	#####	Class-G	ITGB1
ZNF626. 7	#####	0. 235792	0. 441	0. 094	#####	Class-G	ZNF626
NF2. 3	#####	0. 247341	0. 46	0. 101	#####	Class-G	NF2
ANKRD26. 2	#####	0. 241585	0. 378	0. 07	#####	Class-G	ANKRD26
ICAM3. 8	#####	0. 172244	0. 351	0. 06	#####	Class-G	ICAM3
CARS2. 1	#####	0. 224567	0. 424	0. 087	#####	Class-G	CARS2
ASPHD1. 8	#####	0. 235146	0. 432	0. 089	#####	Class-G	ASPHD1
NFIX. 10	#####	0. 346233	0. 823	0. 252	#####	Class-G	NFIX
MAP1A. 10	#####	0. 233529	0. 623	0. 165	#####	Class-G	MAP1A
AGBL5. 3	#####	0. 2353	0. 309	0. 047	#####	Class-G	AGBL5
FADS1. 7	#####	0. 281132	0. 595	0. 156	#####	Class-G	FADS1
STK33. 8	#####	0. 211474	0. 271	0. 035	#####	Class-G	STK33
CDK2AP1. 4	#####	0. 238902	0. 357	0. 062	#####	Class-G	CDK2AP1
TWF1. 5	#####	0. 286564	0. 683	0. 195	#####	Class-G	TWF1
NPLOC4	#####	0. 210067	0. 411	0. 082	#####	Class-G	NPLOC4
CCDC6. 2	#####	0. 227305	0. 371	0. 068	#####	Class-G	CCDC6
AKR7A2. 5	#####	0. 333461	0. 776	0. 239	#####	Class-G	AKR7A2
FAM20C. 9	#####	0. 262589	0. 603	0. 161	#####	Class-G	FAM20C

WASL. 8	#####	0.260144	0.526	0.127	#####	Class-G	WASL
RITA1. 6	#####	0.220861	0.418	0.085	#####	Class-G	RITA1
GNL1. 4	#####	0.27093	0.643	0.177	#####	Class-G	GNL1
TTPAL. 4	#####	0.213624	0.443	0.094	#####	Class-G	TTPAL
FGF2	#####	0.201289	0.206	0.017	#####	Class-G	FGF2
CCDC102A	#####	0.20198	0.205	0.017	#####	Class-G	CCDC102A
TMEM183A.	#####	0.321418	0.739	0.219	#####	Class-G	TMEM183A
PUSL1. 3	#####	0.242708	0.394	0.076	#####	Class-G	PUSL1
EML3. 5	#####	0.209086	0.381	0.071	#####	Class-G	EML3
ARHGAP20.	#####	0.26058	0.249	0.029	#####	Class-G	ARHGAP20
EGLN2. 4	#####	0.271515	0.719	0.212	#####	Class-G	EGLN2
TSPAN6. 9	#####	0.199	0.455	0.099	#####	Class-G	TSPAN6
THAP7. 4	#####	0.211776	0.58	0.149	#####	Class-G	THAP7
ZNF160. 1	#####	0.230732	0.372	0.068	#####	Class-G	ZNF160
TTC37. 4	#####	0.270301	0.525	0.128	#####	Class-G	TTC37
UBE2J1. 4	#####	0.354632	0.703	0.212	#####	Class-G	UBE2J1
OTUD4. 3	#####	0.253116	0.343	0.059	#####	Class-G	OTUD4
APOC1. 10	#####	-1.58356	0.161	0.574	#####	Class-G	APOC1
PAX6. 7	#####	0.246096	0.296	0.043	#####	Class-G	PAX6
LARP1. 5	#####	0.276519	0.663	0.185	#####	Class-G	LARP1
CECR5. 6	#####	0.279775	0.663	0.185	#####	Class-G	CECR5
SLC25A29.	#####	0.239279	0.463	0.102	#####	Class-G	SLC25A29
TMEM223. 3	#####	0.21584	0.611	0.162	#####	Class-G	TMEM223
RRS1. 4	#####	0.248191	0.439	0.094	#####	Class-G	RRS1
TMEM198. 8	#####	0.270086	0.379	0.072	#####	Class-G	TMEM198
ACBD6. 6	#####	0.259489	0.709	0.207	#####	Class-G	ACBD6
FHL3. 6	#####	0.217268	0.476	0.107	#####	Class-G	FHL3
SIGMAR1. 3	#####	0.258417	0.501	0.118	#####	Class-G	SIGMAR1
RP11-263K	#####	0.218779	0.263	0.033	#####	Class-G	RP11-263K19. 4
LENG1. 4	#####	0.194371	0.561	0.143	#####	Class-G	LENG1
ARFRP1. 2	#####	0.25277	0.648	0.182	#####	Class-G	ARFRP1
APC2. 10	#####	0.268405	0.452	0.098	#####	Class-G	APC2
PGM2L1. 9	#####	0.340626	0.651	0.191	#####	Class-G	PGM2L1
SNHG7. 5	#####	0.364837	0.825	0.268	#####	Class-G	SNHG7
CNOT3. 5	#####	0.255267	0.48	0.11	#####	Class-G	CNOT3
TMEM59L. 9	#####	0.310976	0.673	0.191	#####	Class-G	TMEM59L
HDGF. 5	#####	0.271967	0.705	0.203	#####	Class-G	HDGF
ANO6. 4	#####	0.193866	0.352	0.062	#####	Class-G	ANO6
SDCCAG3. 3	#####	0.20809	0.335	0.056	#####	Class-G	SDCCAG3
HLA-DRB1.	#####	-1.59062	0.189	0.589	#####	Class-G	HLA-DRB1
ELOVL6. 7	#####	0.222875	0.329	0.054	#####	Class-G	ELOVL6
LIMD1. 2	#####	0.232285	0.297	0.044	#####	Class-G	LIMD1
ATG4D. 5	#####	0.271826	0.475	0.109	#####	Class-G	ATG4D
TRIM16L. 4	#####	0.206823	0.281	0.039	#####	Class-G	TRIM16L
XXYLT1. 8	#####	0.230673	0.404	0.081	#####	Class-G	XXYLT1
ZFPL1. 5	#####	0.224446	0.628	0.171	#####	Class-G	ZFPL1
THBS4. 6	#####	0.248218	0.224	0.023	#####	Class-G	THBS4
TMEM47. 8	#####	0.278731	0.297	0.045	#####	Class-G	TMEM47
FDFT1. 7	#####	0.261744	0.753	0.233	#####	Class-G	FDFT1
PTCHD1	#####	0.183267	0.178	0.011	#####	Class-G	PTCHD1
HDAC1. 6	#####	0.228595	0.608	0.163	#####	Class-G	HDAC1

FER. 4	#####	0. 229472	0. 33	0. 055	#####	Class-G	FER
MAP2. 11	#####	0. 349274	0. 834	0. 257	#####	Class-G	MAP2
UBL4A. 8	#####	0. 242421	0. 521	0. 127	#####	Class-G	UBL4A
CRELD1. 2	#####	0. 202637	0. 502	0. 119	#####	Class-G	CRELD1
ASXL1. 6	#####	0. 228457	0. 512	0. 122	#####	Class-G	ASXL1
TNRC6B. 6	#####	0. 354017	0. 833	0. 274	#####	Class-G	TNRC6B
TFPT. 8	#####	0. 295813	0. 752	0. 236	#####	Class-G	TFPT
FBX018. 2	#####	0. 226512	0. 421	0. 088	#####	Class-G	FBX018
F8A1. 4	#####	0. 232351	0. 432	0. 092	#####	Class-G	F8A1
FEZ1. 10	#####	0. 393188	0. 956	0. 344	#####	Class-G	FEZ1
PRICKLE2	#####	0. 210282	0. 198	0. 016	#####	Class-G	PRICKLE2
CCDC58. 6	#####	0. 234504	0. 44	0. 095	#####	Class-G	CCDC58
SERPINE2.	#####	0. 348687	0. 728	0. 222	#####	Class-G	SERPINE2
DCAF8. 3	#####	0. 226246	0. 571	0. 148	#####	Class-G	DCAF8
TNPO2. 7	#####	0. 239872	0. 515	0. 124	#####	Class-G	TNPO2
MIEF1. 4	#####	0. 231562	0. 444	0. 097	#####	Class-G	MIEF1
ZNF787. 1	#####	0. 206071	0. 284	0. 04	#####	Class-G	ZNF787
RP11-345J	#####	0. 263666	0. 628	0. 17	#####	Class-G	RP11-345J4. 5
MPG. 4	#####	0. 325438	0. 825	0. 266	#####	Class-G	MPG
MTHFD1. 7	#####	0. 243502	0. 529	0. 132	#####	Class-G	MTHFD1
SIX5	#####	0. 194852	0. 187	0. 014	#####	Class-G	SIX5
SLC52A2. 5	#####	0. 311342	0. 708	0. 21	#####	Class-G	SLC52A2
LINC01023	#####	0. 178931	0. 257	0. 032	#####	Class-G	LINC01023
ANKRD52. 1	#####	0. 207787	0. 288	0. 042	#####	Class-G	ANKRD52
ZIC1. 9	#####	0. 265894	0. 375	0. 071	#####	Class-G	ZIC1
GRAMD3. 1C	#####	0. 239607	0. 431	0. 093	#####	Class-G	GRAMD3
ANKRD17. 8	#####	0. 271032	0. 589	0. 156	#####	Class-G	ANKRD17
ZMYND8. 8	#####	0. 272105	0. 568	0. 149	#####	Class-G	ZMYND8
GLT8D1. 4	#####	0. 275448	0. 704	0. 206	#####	Class-G	GLT8D1
DNTTIP1. 4	#####	0. 317653	0. 797	0. 253	#####	Class-G	DNTTIP1
PLIN3. 7	#####	0. 290309	0. 854	0. 277	#####	Class-G	PLIN3
FLYWCH2. 5	#####	0. 250571	0. 763	0. 235	#####	Class-G	FLYWCH2
CASP7. 4	#####	0. 229337	0. 312	0. 049	#####	Class-G	CASP7
NABP2. 6	#####	0. 218415	0. 702	0. 206	#####	Class-G	NABP2
EPS15L1. 6	#####	0. 219347	0. 487	0. 113	#####	Class-G	EPS15L1
C1QB. 11	#####	-1. 5853	0. 278	0. 617	#####	Class-G	C1QB
G6PC3. 4	#####	0. 296692	0. 82	0. 27	#####	Class-G	G6PC3
ANKRD16. 2	#####	0. 194076	0. 226	0. 024	#####	Class-G	ANKRD16
FNDC3A. 5	#####	0. 239736	0. 584	0. 154	#####	Class-G	FNDC3A
XRR1. 5	#####	0. 229375	0. 408	0. 084	#####	Class-G	XRR1
SLC35E1. 3	#####	0. 207551	0. 478	0. 11	#####	Class-G	SLC35E1
UBE2Q2. 6	#####	0. 264279	0. 564	0. 146	#####	Class-G	UBE2Q2
SUDS3. 9	#####	0. 266452	0. 53	0. 132	#####	Class-G	SUDS3
IFT57. 9	#####	0. 20949	0. 648	0. 182	#####	Class-G	IFT57
C19orf12.	#####	0. 213415	0. 437	0. 094	#####	Class-G	C19orf12
DAXX. 4	#####	0. 258272	0. 557	0. 145	#####	Class-G	DAXX
ATXN2. 8	#####	0. 238832	0. 598	0. 16	#####	Class-G	ATXN2
NLGN4X. 9	#####	0. 275469	0. 354	0. 065	#####	Class-G	NLGN4X
LDOC1L. 8	#####	0. 222153	0. 312	0. 05	#####	Class-G	LDOC1L
MYL5. 3	#####	0. 182802	0. 334	0. 057	#####	Class-G	MYL5
PALM. 7	#####	0. 245881	0. 351	0. 064	#####	Class-G	PALM



FKBP1B. 5	#####	0. 231018	0. 392	0. 078	#####	Class-G	FKBP1B
BCAN. 11	#####	0. 418663	0. 678	0. 21	#####	Class-G	BCAN
CLCN3. 9	#####	0. 271688	0. 647	0. 183	#####	Class-G	CLCN3
FAM103A1.	#####	0. 164363	0. 641	0. 178	#####	Class-G	FAM103A1
UBE2S. 8	#####	0. 352279	0. 831	0. 264	#####	Class-G	UBE2S
FAM208A. 2	#####	0. 242861	0. 429	0. 093	#####	Class-G	FAM208A
TEX2. 3	#####	0. 216781	0. 285	0. 041	#####	Class-G	TEX2
MFSD3. 4	#####	0. 229837	0. 387	0. 076	#####	Class-G	MFSD3
RFC1. 6	#####	0. 234793	0. 702	0. 207	#####	Class-G	RFC1
MT1E. 10	#####	0. 173533	0. 873	0. 299	#####	Class-G	MT1E
C1QTNF6	#####	0. 203498	0. 191	0. 015	#####	Class-G	C1QTNF6
TNKS. 11	#####	0. 246016	0. 448	0. 1	#####	Class-G	TNKS
FAM129A. 7	#####	0. 27601	0. 428	0. 093	#####	Class-G	FAM129A
CFL2. 9	#####	0. 214075	0. 794	0. 251	#####	Class-G	CFL2
UBE2J2. 8	#####	0. 349577	0. 802	0. 258	#####	Class-G	UBE2J2
RFX4. 9	#####	0. 232194	0. 451	0. 101	#####	Class-G	RFX4
SOX6. 10	#####	0. 270043	0. 432	0. 094	#####	Class-G	SOX6
USP34. 5	#####	0. 253265	0. 572	0. 151	#####	Class-G	USP34
IPO5. 6	#####	0. 257876	0. 583	0. 156	#####	Class-G	IPO5
NDUF5. 4	#####	0. 194804	0. 417	0. 088	#####	Class-G	NDUF5
ANKRD9. 5	#####	0. 185236	0. 314	0. 051	#####	Class-G	ANKRD9
CTB-113I2	#####	0. 209625	0. 245	0. 029	#####	Class-G	CTB-113I20. 2
TLK2. 3	#####	0. 216272	0. 394	0. 079	#####	Class-G	TLK2
TMEM115. 4	#####	0. 234228	0. 566	0. 149	#####	Class-G	TMEM115
KAT7. 5	#####	0. 22705	0. 445	0. 099	#####	Class-G	KAT7
RABEPK. 7	#####	0. 182879	0. 552	0. 142	#####	Class-G	RABEPK
MTMR4. 9	#####	0. 230326	0. 472	0. 109	#####	Class-G	MTMR4
PCDH10. 8	#####	0. 198422	0. 266	0. 035	#####	Class-G	PCDH10
ASAP1. 7	#####	0. 264491	0. 608	0. 165	#####	Class-G	ASAP1
SYS1. 4	#####	0. 187373	0. 635	0. 176	#####	Class-G	SYS1
NADK2. 4	#####	0. 246412	0. 339	0. 06	#####	Class-G	NADK2
SLC16A2. 5	#####	0. 21627	0. 229	0. 025	#####	Class-G	SLC16A2
MTSS1L. 7	#####	0. 234653	0. 327	0. 056	#####	Class-G	MTSS1L
NLK. 5	#####	0. 221645	0. 286	0. 042	#####	Class-G	NLK
ACAD8. 6	#####	0. 226894	0. 518	0. 128	#####	Class-G	ACAD8
EXOSC4. 4	#####	0. 232105	0. 654	0. 186	#####	Class-G	EXOSC4
PTP4A2. 8	#####	0. 44192	0. 935	0. 374	#####	Class-G	PTP4A2
ARFGAP1. 3	#####	0. 221257	0. 445	0. 099	#####	Class-G	ARFGAP1
OCIAD2. 1C	#####	0. 190228	0. 858	0. 31	#####	Class-G	OCIAD2
ANKRD35. 5	#####	0. 245929	0. 42	0. 09	#####	Class-G	ANKRD35
KLHL42. 1C	#####	0. 246919	0. 468	0. 108	#####	Class-G	KLHL42
INPPL1. 6	#####	0. 194071	0. 386	0. 076	#####	Class-G	INPPL1
AGPAT3. 5	#####	0. 204016	0. 407	0. 085	#####	Class-G	AGPAT3
KCTD6. 3	#####	0. 222469	0. 378	0. 075	#####	Class-G	KCTD6
THAP3. 6	#####	0. 170137	0. 418	0. 088	#####	Class-G	THAP3
UCKL1. 4	#####	0. 226175	0. 466	0. 107	#####	Class-G	UCKL1
PLEKHH3. 6	#####	0. 204889	0. 303	0. 048	#####	Class-G	PLEKHH3
FAM199X. 3	#####	0. 219205	0. 358	0. 067	#####	Class-G	FAM199X
TRPT1. 4	#####	0. 201577	0. 598	0. 162	#####	Class-G	TRPT1
FBXO44. 7	#####	0. 193546	0. 432	0. 094	#####	Class-G	FBXO44
MEIS1. 9	#####	0. 274417	0. 309	0. 05	#####	Class-G	MEIS1

RP11-25K1	#####	0.233327	0.341	0.061	#####	Class-G	RP11-25K19.1
SPAG9.9	#####	0.353627	0.828	0.275	#####	Class-G	SPAG9
PRKDC.7	#####	0.293896	0.729	0.221	#####	Class-G	PRKDC
RNF40.4	#####	0.240576	0.5	0.122	#####	Class-G	RNF40
LRRRC58.5	#####	0.24119	0.562	0.148	#####	Class-G	LRRRC58
CANT1.4	#####	0.244709	0.498	0.122	#####	Class-G	CANT1
PHACTR2.7	#####	0.211612	0.301	0.047	#####	Class-G	PHACTR2
RHOQ.7	#####	0.235795	0.472	0.111	#####	Class-G	RHOQ
SLC16A4.4	#####	0.19364	0.249	0.031	#####	Class-G	SLC16A4
BCAT2.4	#####	0.283865	0.42	0.092	#####	Class-G	BCAT2
KIAA2013.	#####	0.202677	0.452	0.102	#####	Class-G	KIAA2013
PQLC2.1	#####	0.20728	0.383	0.076	#####	Class-G	PQLC2
TTL7.10	#####	0.185797	0.626	0.174	#####	Class-G	TTL7
ALDH6A1.8	#####	0.221068	0.563	0.149	#####	Class-G	ALDH6A1
FBX017.11	#####	0.258855	0.433	0.097	#####	Class-G	FBX017
SNTB2.4	#####	0.208051	0.328	0.057	#####	Class-G	SNTB2
FAM217B.9	#####	0.224694	0.461	0.105	#####	Class-G	FAM217B
LIN7A.5	#####	0.174586	0.195	0.017	#####	Class-G	LIN7A
ANKRD54.5	#####	0.191503	0.426	0.093	#####	Class-G	ANKRD54
RCN2.10	#####	0.471235	0.951	0.388	#####	Class-G	RCN2
Clorf50.5	#####	0.194283	0.511	0.126	#####	Class-G	Clorf50
FBXW2.5	#####	0.224581	0.536	0.136	#####	Class-G	FBXW2
MACROD1.4	#####	0.230351	0.388	0.079	#####	Class-G	MACROD1
SLC35D1	#####	0.19274	0.236	0.027	#####	Class-G	SLC35D1
SYNRG.6	#####	0.228716	0.527	0.134	#####	Class-G	SYNRG
MAGEF1.1C	#####	0.331753	0.854	0.283	#####	Class-G	MAGEF1
CIZ1.5	#####	0.240884	0.506	0.126	#####	Class-G	CIZ1
CLSTN1.7	#####	0.260166	0.707	0.213	#####	Class-G	CLSTN1
COIL.8	#####	0.235871	0.517	0.131	#####	Class-G	COIL
TP53BP1.5	#####	0.215099	0.332	0.059	#####	Class-G	TP53BP1
MUM1.10	#####	0.320309	0.855	0.284	#####	Class-G	MUM1
ADORA2B	#####	0.188481	0.177	0.013	#####	Class-G	ADORA2B
PODXL.6	#####	0.229579	0.268	0.038	#####	Class-G	PODXL
CCDC85B.5	#####	0.424306	0.883	0.337	#####	Class-G	CCDC85B
PDE8B.5	#####	0.207778	0.211	0.021	#####	Class-G	PDE8B
UBTF.8	#####	0.235251	0.605	0.165	#####	Class-G	UBTF
RAE1.6	#####	0.214016	0.682	0.2	#####	Class-G	RAE1
FARSA.6	#####	0.269116	0.773	0.246	#####	Class-G	FARSA
SRR.8	#####	0.218911	0.455	0.105	#####	Class-G	SRR
NANOS3.8	#####	0.199709	0.25	0.032	#####	Class-G	NANOS3
CHMP6.4	#####	0.221008	0.539	0.139	#####	Class-G	CHMP6
NNT-AS1.9	#####	0.218374	0.589	0.161	#####	Class-G	NNT-AS1
SNUPN.4	#####	0.188751	0.473	0.112	#####	Class-G	SNUPN
PTGES2.5	#####	0.277065	0.676	0.2	#####	Class-G	PTGES2
RGL3.2	#####	0.18049	0.201	0.018	#####	Class-G	RGL3
CHMP4B.7	#####	0.446196	0.925	0.377	#####	Class-G	CHMP4B
ZNF37A.7	#####	0.211706	0.423	0.092	#####	Class-G	ZNF37A
ECHDC2.7	#####	0.199248	0.524	0.133	#####	Class-G	ECHDC2
CAPRIN1.8	#####	0.33268	0.772	0.246	#####	Class-G	CAPRIN1
GOLGA8A	#####	0.200173	0.262	0.036	#####	Class-G	GOLGA8A
EPN1.3	#####	0.309593	0.799	0.258	#####	Class-G	EPN1

FBXW11.4	#####	0.233881	0.509	0.127	#####	Class-G	FBXW11
ZNF260.6	#####	0.21339	0.337	0.061	#####	Class-G	ZNF260
CDC42BPA.	#####	0.259751	0.504	0.126	#####	Class-G	CDC42BPA
HLA-DPB1.	#####	-1.54258	0.147	0.551	#####	Class-G	HLA-DPB1
PROX1.10	#####	0.285326	0.474	0.113	#####	Class-G	PROX1
PDCD2.8	#####	0.314459	0.724	0.224	#####	Class-G	PDCD2
VPS16.4	#####	0.236478	0.495	0.122	#####	Class-G	VPS16
BNIP3.8	#####	0.16687	0.577	0.156	#####	Class-G	BNIP3
SCAF1.7	#####	0.245092	0.452	0.105	#####	Class-G	SCAF1
PPP1R14C.	#####	0.243456	0.243	0.031	#####	Class-G	PPP1R14C
NELFB.5	#####	0.240496	0.443	0.101	#####	Class-G	NELFB
ZNF511.8	#####	0.219251	0.542	0.139	#####	Class-G	ZNF511
PPP1R37.6	#####	0.234064	0.413	0.089	#####	Class-G	PPP1R37
SLC39A6.8	#####	0.308932	0.789	0.253	#####	Class-G	SLC39A6
CSNK1G3.8	#####	0.234013	0.452	0.104	#####	Class-G	CSNK1G3
PCSK1N.1C	#####	0.517725	0.901	0.342	#####	Class-G	PCSK1N
CCDC66.8	#####	0.253451	0.603	0.168	#####	Class-G	CCDC66
DBNDD1.8	#####	0.214735	0.262	0.036	#####	Class-G	DBNDD1
HAGHL.2	#####	0.225593	0.349	0.065	#####	Class-G	HAGHL
MSRB1.4	#####	0.181565	0.588	0.16	#####	Class-G	MSRB1
NOS1AP.9	#####	0.235625	0.289	0.045	#####	Class-G	NOS1AP
C16orf52.	#####	0.22202	0.328	0.058	#####	Class-G	C16orf52
WDR13.4	#####	0.218995	0.714	0.215	#####	Class-G	WDR13
ZFP64.4	#####	0.205796	0.283	0.043	#####	Class-G	ZFP64
CTD-3138E	#####	0.179984	0.294	0.046	#####	Class-G	CTD-3138B18.5
PHF12.2	#####	0.208759	0.361	0.07	#####	Class-G	PHF12
TRIM25.6	#####	0.187619	0.309	0.051	#####	Class-G	TRIM25
ETV5.8	#####	0.250355	0.665	0.192	#####	Class-G	ETV5
SNX5.7	#####	0.33345	0.884	0.314	#####	Class-G	SNX5
C5orf51.2	#####	0.214782	0.32	0.055	#####	Class-G	C5orf51
SNX27.4	#####	0.241289	0.633	0.181	#####	Class-G	SNX27
KANSL1-AS	#####	0.193732	0.534	0.137	#####	Class-G	KANSL1-AS1
GNB5.7	#####	0.215357	0.359	0.069	#####	Class-G	GNB5
IRF2BP1.8	#####	0.23643	0.35	0.066	#####	Class-G	IRF2BP1
PCDH1.6	#####	0.235921	0.24	0.03	#####	Class-G	PCDH1
HGS.5	#####	0.226403	0.577	0.157	#####	Class-G	HGS
ERLEC1.4	#####	0.28907	0.837	0.284	#####	Class-G	ERLEC1
POLR2M.2	#####	0.231693	0.463	0.11	#####	Class-G	POLR2M
MSANTD4.6	#####	0.232228	0.391	0.082	#####	Class-G	MSANTD4
RGS1.11	#####	-1.62545	0.086	0.506	#####	Class-G	RGS1
EMC6.6	#####	0.406059	0.906	0.357	#####	Class-G	EMC6
TSPAN17.4	#####	0.243172	0.439	0.1	#####	Class-G	TSPAN17
FAM179B.7	#####	0.193577	0.378	0.076	#####	Class-G	FAM179B
ERAL1.5	#####	0.2256	0.623	0.178	#####	Class-G	ERAL1
CLTC.6	#####	0.339005	0.814	0.273	#####	Class-G	CLTC
PRPF31.6	#####	0.308733	0.882	0.312	#####	Class-G	PRPF31
MMP16.9	#####	0.24974	0.344	0.064	#####	Class-G	MMP16
SMAD4.4	#####	0.235518	0.383	0.079	#####	Class-G	SMAD4
PES1.5	#####	0.196396	0.531	0.136	#####	Class-G	PES1
ISOC2.8	#####	0.237493	0.821	0.272	#####	Class-G	ISOC2
OSBPL2.5	#####	0.203751	0.409	0.088	#####	Class-G	OSBPL2

RHBDD3.3	#####	0.229705	0.442	0.102	#####	Class-G	RHBDD3
MAPK8IP1.	#####	0.199667	0.531	0.136	#####	Class-G	MAPK8IP1
FIGN.8	#####	0.251161	0.307	0.052	#####	Class-G	FIGN
DDA1.4	#####	0.238608	0.787	0.253	#####	Class-G	DDA1
HEXIM2.3	#####	0.174232	0.292	0.046	#####	Class-G	HEXIM2
CRNKL1.4	#####	0.22095	0.445	0.102	#####	Class-G	CRNKL1
HLA-DPA1.	#####	-1.48692	0.211	0.586	#####	Class-G	HLA-DPA1
ECSIT.6	#####	0.213646	0.674	0.201	#####	Class-G	ECSIT
MEGF8.2	#####	0.223118	0.303	0.05	#####	Class-G	MEGF8
DCHS1.8	#####	0.226905	0.3	0.049	#####	Class-G	DCHS1
RNFT1.5	#####	0.171987	0.552	0.145	#####	Class-G	RNFT1
APOO.8	#####	0.205415	0.6	0.168	#####	Class-G	APOO
METTL2A.6	#####	0.23195	0.458	0.109	#####	Class-G	METTL2A
DSEL.11	#####	0.254311	0.593	0.165	#####	Class-G	DSEL
RPP38.2	#####	0.186384	0.407	0.088	#####	Class-G	RPP38
AGPAT1.4	#####	0.206177	0.598	0.166	#####	Class-G	AGPAT1
NCOR1.9	#####	0.430642	0.938	0.387	#####	Class-G	NCOR1
TRMT2A.1	#####	0.241507	0.426	0.096	#####	Class-G	TRMT2A
PBX1.9	#####	0.248142	0.574	0.155	#####	Class-G	PBX1
PM20D2.4	#####	0.237189	0.3	0.049	#####	Class-G	PM20D2
PIGZ.5	#####	0.191967	0.247	0.032	#####	Class-G	PIGZ
SDHAF1.6	#####	0.215611	0.498	0.124	#####	Class-G	SDHAF1
TFAM.2	#####	0.197992	0.506	0.128	#####	Class-G	TFAM
DCPS.5	#####	0.165872	0.489	0.12	#####	Class-G	DCPS
C5orf45.6	#####	0.152755	0.482	0.116	#####	Class-G	C5orf45
TTC19.8	#####	0.310509	0.831	0.278	#####	Class-G	TTC19
CRIM1.6	#####	0.233271	0.248	0.033	#####	Class-G	CRIM1
NLGN3.9	#####	0.244504	0.364	0.073	#####	Class-G	NLGN3
ELMOD3.6	#####	0.186687	0.412	0.09	#####	Class-G	ELMOD3
EBPL.8	#####	0.292727	0.743	0.23	#####	Class-G	EBPL
APC.10	#####	0.260962	0.569	0.155	#####	Class-G	APC
RHOBTB3.1	#####	0.380298	0.916	0.325	#####	Class-G	RHOBTB3
C20orf27.	#####	0.328902	0.819	0.285	#####	Class-G	C20orf27
GON4L.7	#####	0.216858	0.572	0.156	#####	Class-G	GON4L
BAG5.7	#####	0.201764	0.514	0.131	#####	Class-G	BAG5
ANKRD40.6	#####	0.246523	0.492	0.123	#####	Class-G	ANKRD40
SEZ6L.10	#####	0.382625	0.406	0.091	#####	Class-G	SEZ6L
PIGT.4	#####	0.311333	0.876	0.319	#####	Class-G	PIGT
THY1.9	#####	0.263765	0.65	0.191	#####	Class-G	THY1
HOXD-AS2.	#####	0.188181	0.2	0.019	#####	Class-G	HOXD-AS2
KIAA1211L	#####	0.20092	0.229	0.027	#####	Class-G	KIAA1211L
EXD2.3	#####	0.205875	0.322	0.057	#####	Class-G	EXD2
ALKBH2.1C	#####	0.183716	0.534	0.14	#####	Class-G	ALKBH2
SEC23B.3	#####	0.235324	0.679	0.204	#####	Class-G	SEC23B
STX17.3	#####	0.196681	0.36	0.071	#####	Class-G	STX17
FARP1.4	#####	0.22442	0.514	0.132	#####	Class-G	FARP1
CLIP3.10	#####	0.186967	0.542	0.141	#####	Class-G	CLIP3
ABCD4.6	#####	0.214613	0.654	0.191	#####	Class-G	ABCD4
ARNTL.4	#####	0.227348	0.324	0.059	#####	Class-G	ARNTL
ZNF770.3	#####	0.217029	0.4	0.086	#####	Class-G	ZNF770
RP1-39G22	#####	0.202631	0.401	0.087	#####	Class-G	RP1-39G22.7

GRWD1.3	#####	0.20318	0.45	0.106	#####	Class-G	GRWD1
FAM172A.7	#####	0.225149	0.535	0.141	#####	Class-G	FAM172A
GPATCH4.5	#####	0.200783	0.528	0.138	#####	Class-G	GPATCH4
PDGFA.7	#####	0.303337	0.325	0.06	#####	Class-G	PDGFA
TARBP2.3	#####	0.20012	0.433	0.1	#####	Class-G	TARBP2
RPUSD3.1	#####	0.173922	0.535	0.14	#####	Class-G	RPUSD3
GCLM.5	#####	0.265984	0.454	0.11	#####	Class-G	GCLM
MCCC2.5	#####	0.18616	0.407	0.088	#####	Class-G	MCCC2
PDK2.5	#####	0.210303	0.469	0.114	#####	Class-G	PDK2
SEC61G.11	#####	0.18314	0.998	0.767	#####	Class-G	SEC61G
AMFR.4	#####	0.20772	0.488	0.121	#####	Class-G	AMFR
PIP4K2B.5	#####	0.193051	0.34	0.064	#####	Class-G	PIP4K2B
YAP1.2	#####	0.189415	0.193	0.018	#####	Class-G	YAP1
B4GALT7.3	#####	0.232995	0.558	0.152	#####	Class-G	B4GALT7
SETD9.2	#####	0.145589	0.404	0.088	#####	Class-G	SETD9
B3GAT3.4	#####	0.288476	0.851	0.302	#####	Class-G	B3GAT3
CEP164.2	#####	0.186894	0.447	0.105	#####	Class-G	CEP164
MEOX2.9	#####	0.291544	0.282	0.045	#####	Class-G	MEOX2
TMX3.3	#####	0.215581	0.454	0.109	#####	Class-G	TMX3
TRIM65.1	#####	0.181681	0.279	0.043	#####	Class-G	TRIM65
KLHL13.1C	#####	0.23815	0.331	0.061	#####	Class-G	KLHL13
FAM207A.5	#####	0.209025	0.554	0.148	#####	Class-G	FAM207A
ADCK4.5	#####	0.214348	0.391	0.084	#####	Class-G	ADCK4
EML1.3	#####	0.198632	0.287	0.046	#####	Class-G	EML1
LAPTM5.11	#####	-1.61337	0.086	0.493	#####	Class-G	LAPTM5
CMBL.8	#####	0.214173	0.391	0.083	#####	Class-G	CMBL
CRAT.4	#####	0.222517	0.461	0.111	#####	Class-G	CRAT
C21orf59.	#####	0.246921	0.761	0.243	#####	Class-G	C21orf59
POMT2.3	#####	0.199298	0.267	0.04	#####	Class-G	POMT2
CSTF3.8	#####	0.233646	0.671	0.201	#####	Class-G	CSTF3
POMGNT2.8	#####	0.228863	0.42	0.095	#####	Class-G	POMGNT2
MIR210HG.	#####	0.217808	0.314	0.055	#####	Class-G	MIR210HG
DHX33.7	#####	0.22321	0.378	0.079	#####	Class-G	DHX33
RP11-977G	#####	0.181886	0.259	0.037	#####	Class-G	RP11-977G19.11
RGS3.8	#####	0.257063	0.346	0.067	#####	Class-G	RGS3
MCAT.9	#####	0.204002	0.395	0.085	#####	Class-G	MCAT
BCL2L12.6	#####	0.198327	0.393	0.084	#####	Class-G	BCL2L12
PURA.8	#####	0.241949	0.556	0.151	#####	Class-G	PURA
SECISBP2L	#####	0.181631	0.489	0.122	#####	Class-G	SECISBP2L
HPS4.4	#####	0.174371	0.508	0.13	#####	Class-G	HPS4
RALBP1.5	#####	0.249808	0.736	0.232	#####	Class-G	RALBP1
FAM208B.2	#####	0.202719	0.297	0.05	#####	Class-G	FAM208B
VPS26B.8	#####	0.248783	0.602	0.171	#####	Class-G	VPS26B
PDLIM2.7	#####	0.173935	0.624	0.177	#####	Class-G	PDLIM2
EBF4.5	#####	0.19876	0.226	0.027	#####	Class-G	EBF4
C1QC.11	#####	-1.63226	0.187	0.553	#####	Class-G	C1QC
TMEM251.4	#####	0.172805	0.628	0.179	#####	Class-G	TMEM251
NARF.6	#####	0.31217	0.766	0.258	#####	Class-G	NARF
STK11.2	#####	0.210181	0.32	0.058	#####	Class-G	STK11
MAP4K3.2	#####	0.209311	0.287	0.046	#####	Class-G	MAP4K3
WDR25.4	#####	0.18298	0.328	0.06	#####	Class-G	WDR25

DNP1. 6	#####	0.299537	0.864	0.297	#####	Class-G	DNP1
SPIRE1. 4	#####	0.223225	0.327	0.06	#####	Class-G	SPIRE1
DIAPH1. 7	#####	0.21068	0.415	0.093	#####	Class-G	DIAPH1
STAMP. 6	#####	0.188589	0.669	0.2	#####	Class-G	STAMP
POLR2J3. 1	#####	0.221641	0.803	0.263	#####	Class-G	POLR2J3
ELMO2. 6	#####	0.21204	0.394	0.085	#####	Class-G	ELMO2
HMGA2	#####	0.250538	0.144	0.007	#####	Class-G	HMGA2
CENPV. 10	#####	0.298551	0.648	0.191	#####	Class-G	CENPV
CPSF2. 1	#####	0.191668	0.386	0.082	#####	Class-G	CPSF2
RP11-375N	#####	0.185698	0.149	0.008	#####	Class-G	RP11-375N15. 2
NME4. 8	#####	0.354595	0.85	0.305	#####	Class-G	NME4
PTN. 9	#####	0.306672	0.999	0.554	#####	Class-G	PTN
ZNF664. 8	#####	0.20322	0.437	0.102	#####	Class-G	ZNF664
EYA2. 3	#####	0.232083	0.28	0.045	#####	Class-G	EYA2
CRYZ. 9	#####	0.161955	0.382	0.081	#####	Class-G	CRYZ
KIAA1456.	#####	0.215407	0.206	0.022	#####	Class-G	KIAA1456
AC007246.	#####	0.199271	0.346	0.067	#####	Class-G	AC007246. 3
ZNF768. 4	#####	0.196443	0.319	0.058	#####	Class-G	ZNF768
COQ4. 6	#####	0.2205	0.67	0.202	#####	Class-G	COQ4
HEXDC. 3	#####	0.189311	0.361	0.073	#####	Class-G	HEXDC
AKAP11. 6	#####	0.213677	0.437	0.103	#####	Class-G	AKAP11
PRRC2B. 8	#####	0.221503	0.612	0.175	#####	Class-G	PRRC2B
DAP. 7	#####	0.254986	0.688	0.209	#####	Class-G	DAP
C1orf61. 9	#####	0.419515	0.969	0.464	#####	Class-G	C1orf61
KIAA1715.	#####	0.239458	0.645	0.191	#####	Class-G	KIAA1715
ST3GAL2. 4	#####	0.206531	0.33	0.062	#####	Class-G	ST3GAL2
SFXN1. 7	#####	0.183205	0.573	0.159	#####	Class-G	SFXN1
IFT52. 8	#####	0.183189	0.65	0.192	#####	Class-G	IFT52
CTSF. 8	#####	0.237183	0.674	0.204	#####	Class-G	CTSF
RGS2. 9	#####	-1.51546	0.101	0.502	#####	Class-G	RGS2
ERBB2. 4	#####	0.161907	0.233	0.03	#####	Class-G	ERBB2
SCRIB. 3	#####	0.203044	0.311	0.055	#####	Class-G	SCRIB
QSER1. 7	#####	0.235494	0.37	0.077	#####	Class-G	QSER1
LRRC37B. 5	#####	0.210841	0.358	0.072	#####	Class-G	LRRC37B
TRUB2. 6	#####	0.182261	0.563	0.155	#####	Class-G	TRUB2
SMOX. 9	#####	0.178314	0.626	0.185	#####	Class-G	SMOX
MYO6. 8	#####	0.237215	0.587	0.165	#####	Class-G	MYO6
ABCF1. 7	#####	0.245914	0.702	0.215	#####	Class-G	ABCF1
RPRD1A. 7	#####	0.213143	0.553	0.151	#####	Class-G	RPRD1A
ZNF584. 5	#####	0.213508	0.3	0.051	#####	Class-G	ZNF584
NDRG4. 10	#####	0.196519	0.461	0.111	#####	Class-G	NDRG4
ALDH5A1. 2	#####	0.184082	0.227	0.028	#####	Class-G	ALDH5A1
DNAJC21. 1	#####	0.210943	0.379	0.081	#####	Class-G	DNAJC21
ZNF599. 6	#####	0.188364	0.27	0.042	#####	Class-G	ZNF599
NPAS2	#####	0.202079	0.186	0.017	#####	Class-G	NPAS2
FRA10AC1.	#####	0.184332	0.457	0.11	#####	Class-G	FRA10AC1
UBE2H. 9	#####	0.23559	0.654	0.194	#####	Class-G	UBE2H
NT5C. 5	#####	0.267645	0.765	0.247	#####	Class-G	NT5C
EIF3J-AS1	#####	0.152249	0.39	0.084	#####	Class-G	EIF3J-AS1
ILVBL. 5	#####	0.196427	0.642	0.188	#####	Class-G	ILVBL
MTMR11. 6	#####	0.157516	0.264	0.039	#####	Class-G	MTMR11

MAP6. 7	#####	0. 215067	0. 322	0. 059	#####	Class-G	MAP6
MCRS1. 5	#####	0. 199696	0. 676	0. 204	#####	Class-G	MCRS1
ANKS3. 7	#####	0. 212477	0. 474	0. 118	#####	Class-G	ANKS3
RHOT1. 6	#####	0. 26473	0. 628	0. 187	#####	Class-G	RHOT1
RRAS2. 7	#####	0. 216187	0. 28	0. 045	#####	Class-G	RRAS2
BCAS4. 4	#####	0. 134934	0. 298	0. 051	#####	Class-G	BCAS4
PIGL. 2	#####	0. 156521	0. 298	0. 051	#####	Class-G	PIGL
IMMP1L. 9	#####	0. 171859	0. 6	0. 171	#####	Class-G	IMMP1L
ELAC2. 2	#####	0. 207726	0. 441	0. 106	#####	Class-G	ELAC2
Clorf226	#####	0. 192228	0. 161	0. 011	#####	Class-G	Clorf226
YTHDF3-AS	#####	0. 16158	0. 236	0. 031	#####	Class-G	YTHDF3-AS1
RAB21. 5	#####	0. 197438	0. 547	0. 148	#####	Class-G	RAB21
SMAD5. 6	#####	0. 203736	0. 476	0. 121	#####	Class-G	SMAD5
TARS. 5	#####	0. 205851	0. 587	0. 168	#####	Class-G	TARS
ST6GALNAC	#####	0. 174035	0. 386	0. 083	#####	Class-G	ST6GALNAC4
SLN. 8	#####	0. 146917	0. 455	0. 114	#####	Class-G	SLN
SEC14L1. 7	#####	0. 204218	0. 71	0. 223	#####	Class-G	SEC14L1
PLEKHJ1. 7	#####	0. 259407	0. 839	0. 289	#####	Class-G	PLEKHJ1
MAFG. 5	#####	0. 216167	0. 506	0. 132	#####	Class-G	MAFG
TUG1. 8	#####	0. 208082	0. 488	0. 124	#####	Class-G	TUG1
PKN2. 4	#####	0. 198219	0. 559	0. 154	#####	Class-G	PKN2
BTBD2. 2	#####	0. 211275	0. 324	0. 06	#####	Class-G	BTBD2
KCND3. 8	#####	0. 211447	0. 231	0. 03	#####	Class-G	KCND3
DPP8. 2	#####	0. 193178	0. 452	0. 11	#####	Class-G	DPP8
WDR83. 5	#####	0. 181079	0. 478	0. 121	#####	Class-G	WDR83
TADA3. 4	#####	0. 308747	0. 856	0. 314	#####	Class-G	TADA3
SIAE. 5	#####	0. 161974	0. 306	0. 054	#####	Class-G	SIAE
PRKRIR. 4	#####	0. 216802	0. 348	0. 07	#####	Class-G	PRKRIR
PTPN1. 9	#####	0. 210287	0. 599	0. 172	#####	Class-G	PTPN1
BTBD1. 4	#####	0. 202288	0. 434	0. 102	#####	Class-G	BTBD1
FAM46A. 7	#####	0. 231017	0. 525	0. 142	#####	Class-G	FAM46A
PABPN1. 7	#####	0. 25527	0. 823	0. 279	#####	Class-G	PABPN1
NME3. 5	#####	0. 332638	0. 901	0. 338	#####	Class-G	NME3
HERC2. 4	#####	0. 197412	0. 512	0. 135	#####	Class-G	HERC2
C1QA. 11	#####	-1. 56145	0. 264	0. 582	#####	Class-G	C1QA
DENR. 6	#####	0. 267515	0. 761	0. 248	#####	Class-G	DENR
HMGCR. 6	#####	0. 261959	0. 345	0. 07	#####	Class-G	HMGCR
ADAR. 3	#####	0. 237312	0. 741	0. 237	#####	Class-G	ADAR
STX10. 2	#####	0. 253168	0. 826	0. 279	#####	Class-G	STX10
FAM174A. 5	#####	0. 215176	0. 579	0. 164	#####	Class-G	FAM174A
RANGRF. 3	#####	0. 134672	0. 559	0. 153	#####	Class-G	RANGRF
TYROBP. 11	#####	-1. 65531	0. 133	0. 513	#####	Class-G	TYROBP
CNGA3	#####	0. 182486	0. 154	0. 01	#####	Class-G	CNGA3
CCNL2. 8	#####	0. 257969	0. 71	0. 222	#####	Class-G	CCNL2
ZNF337. 3	#####	0. 185016	0. 261	0. 039	#####	Class-G	ZNF337
EDEM3. 1	#####	0. 198935	0. 357	0. 073	#####	Class-G	EDEM3
NDRG3. 7	#####	0. 206715	0. 491	0. 126	#####	Class-G	NDRG3
PRKACA. 4	#####	0. 181057	0. 435	0. 103	#####	Class-G	PRKACA
MLEC. 5	#####	0. 354713	0. 883	0. 322	#####	Class-G	MLEC
C1QL1. 9	#####	0. 289294	0. 357	0. 075	#####	Class-G	C1QL1
FLCN. 5	#####	0. 191498	0. 404	0. 092	#####	Class-G	FLCN

CCDC82.5	#####	0.23744	0.668	0.207	#####	Class-G	CCDC82
TMEM25.9	#####	0.190327	0.377	0.081	#####	Class-G	TMEM25
CRELD2.7	#####	0.259955	0.693	0.216	#####	Class-G	CRELD2
SPTAN1.9	#####	0.231768	0.649	0.196	#####	Class-G	SPTAN1
PIANP.9	#####	0.214207	0.287	0.048	#####	Class-G	PIANP
NFE2L1.4	#####	0.200372	0.509	0.135	#####	Class-G	NFE2L1
ZDHHC15.7	#####	0.199237	0.237	0.032	#####	Class-G	ZDHHC15
AP1S2.9	#####	0.456327	0.939	0.428	#####	Class-G	AP1S2
GEMIN7.3	#####	0.138033	0.455	0.111	#####	Class-G	GEMIN7
PIAS3	#####	0.190358	0.283	0.047	#####	Class-G	PIAS3
DHFR.7	#####	0.2255	0.436	0.104	#####	Class-G	DHFR
PPP1R16A.	#####	0.214833	0.472	0.12	#####	Class-G	PPP1R16A
ZNF439.1C	#####	0.209579	0.431	0.102	#####	Class-G	ZNF439
ENKUR.8	#####	0.147019	0.264	0.041	#####	Class-G	ENKUR
NEK8.1	#####	0.179584	0.219	0.027	#####	Class-G	NEK8
JMY.6	#####	0.248716	0.329	0.064	#####	Class-G	JMY
RAB32.11	#####	0.211378	0.617	0.177	#####	Class-G	RAB32
GTF2H2.8	#####	0.197744	0.503	0.132	#####	Class-G	GTF2H2
SEC22C.6	#####	0.186785	0.589	0.168	#####	Class-G	SEC22C
C12orf73.	#####	0.184822	0.443	0.107	#####	Class-G	C12orf73
FLRT3.7	#####	0.248672	0.228	0.03	#####	Class-G	FLRT3
MUS81.5	#####	0.204115	0.483	0.123	#####	Class-G	MUS81
DPY19L3.5	#####	0.194969	0.302	0.054	#####	Class-G	DPY19L3
MAMLD1	#####	0.175925	0.176	0.015	#####	Class-G	MAMLD1
TXNL4A.6	#####	0.342215	0.887	0.332	#####	Class-G	TXNL4A
GNAS.10	#####	0.365003	0.99	0.591	#####	Class-G	GNAS
ZMYND19.1	#####	0.179265	0.232	0.031	#####	Class-G	ZMYND19
MAPK6.6	#####	0.207112	0.477	0.122	#####	Class-G	MAPK6
GINM1.3	#####	0.228516	0.719	0.228	#####	Class-G	GINM1
FAM120C	#####	0.188772	0.24	0.033	#####	Class-G	FAM120C
ACAT2.8	#####	0.293273	0.666	0.214	#####	Class-G	ACAT2
MMP15.8	#####	0.205088	0.243	0.034	#####	Class-G	MMP15
CES2.5	#####	0.227316	0.499	0.132	#####	Class-G	CES2
QTRT1.9	#####	0.199014	0.778	0.258	#####	Class-G	QTRT1
NAT9.6	#####	0.168772	0.54	0.148	#####	Class-G	NAT9
TIMM10B.5	#####	0.127297	0.485	0.125	#####	Class-G	TIMM10B
ZNFX1.3	#####	0.165895	0.415	0.096	#####	Class-G	ZNFX1
RAD51C.7	#####	0.188699	0.665	0.201	#####	Class-G	RAD51C
ZHX1.10	#####	0.227503	0.551	0.153	#####	Class-G	ZHX1
NADSYN1.5	#####	0.143475	0.371	0.079	#####	Class-G	NADSYN1
LONRF1.7	#####	0.207813	0.322	0.061	#####	Class-G	LONRF1
RP11-400F	#####	0.202996	0.286	0.048	#####	Class-G	RP11-400F19.6
HINT2.5	#####	0.292044	0.801	0.271	#####	Class-G	HINT2
ANKIB1.1C	#####	0.227324	0.55	0.152	#####	Class-G	ANKIB1
MEIS3.9	#####	0.221633	0.391	0.087	#####	Class-G	MEIS3
DUSP3.5	#####	0.187518	0.485	0.125	#####	Class-G	DUSP3
SLC35G2.9	#####	0.160297	0.364	0.077	#####	Class-G	SLC35G2
FAM200B.7	#####	0.259112	0.827	0.291	#####	Class-G	FAM200B
GTF3C1.3	#####	0.170141	0.343	0.068	#####	Class-G	GTF3C1
PPP1R35.1	#####	0.22404	0.447	0.11	#####	Class-G	PPP1R35
TOMM34.5	#####	0.163046	0.405	0.092	#####	Class-G	TOMM34



UBALD1.7	#####	0.217377	0.467	0.118	#####	Class-G	UBALD1
LUZP1.4	#####	0.203423	0.506	0.135	#####	Class-G	LUZP1
FAM229B.1	#####	0.177251	0.714	0.223	#####	Class-G	FAM229B
ATP13A4	#####	0.165814	0.155	0.011	#####	Class-G	ATP13A4
WAC.4	#####	0.226067	0.653	0.2	#####	Class-G	WAC
SUPT20H.7	#####	0.196001	0.548	0.151	#####	Class-G	SUPT20H
UBXN2A.7	#####	0.212909	0.509	0.135	#####	Class-G	UBXN2A
AMOTL1.5	#####	0.187315	0.249	0.036	#####	Class-G	AMOTL1
SLC30A5.6	#####	0.217065	0.541	0.15	#####	Class-G	SLC30A5
SGTA.6	#####	0.230143	0.76	0.243	#####	Class-G	SGTA
NT5C3B.1C	#####	0.309021	0.779	0.258	#####	Class-G	NT5C3B
GPS1.7	#####	0.244868	0.763	0.252	#####	Class-G	GPS1
HMGXB3.2	#####	0.211839	0.38	0.084	#####	Class-G	HMGXB3
GSTZ1.4	#####	0.121929	0.448	0.11	#####	Class-G	GSTZ1
PSMF1.2	#####	0.280219	0.882	0.32	#####	Class-G	PSMF1
GOLIM4.7	#####	0.319069	0.757	0.256	#####	Class-G	GOLIM4
MPP5.6	#####	0.166354	0.317	0.06	#####	Class-G	MPP5
EIF4G3.4	#####	0.199494	0.48	0.124	#####	Class-G	EIF4G3
SLC23A2.3	#####	0.179726	0.343	0.069	#####	Class-G	SLC23A2
CSF1.9	#####	0.205158	0.314	0.059	#####	Class-G	CSF1
LGALS3.9	#####	0.131815	0.952	0.404	#####	Class-G	LGALS3
ZMAT5.4	#####	0.1335	0.603	0.175	#####	Class-G	ZMAT5
TMEM121.9	#####	0.210264	0.339	0.067	#####	Class-G	TMEM121
C1orf122.	#####	0.374806	0.953	0.412	#####	Class-G	C1orf122
RALY.5	#####	0.42326	0.911	0.382	#####	Class-G	RALY
CHCHD6.7	#####	0.190267	0.601	0.176	#####	Class-G	CHCHD6
URM1.3	#####	0.226106	0.816	0.283	#####	Class-G	URM1
RPS6KB1.2	#####	0.195831	0.386	0.087	#####	Class-G	RPS6KB1
GORAB.8	#####	0.173443	0.268	0.043	#####	Class-G	GORAB
ZNF32.5	#####	0.194259	0.576	0.165	#####	Class-G	ZNF32
EXOG.9	#####	0.165597	0.445	0.109	#####	Class-G	EXOG
TENM4	#####	0.169294	0.176	0.016	#####	Class-G	TENM4
KATNAL1.4	#####	0.180173	0.283	0.048	#####	Class-G	KATNAL1
FRYL.10	#####	0.196796	0.508	0.135	#####	Class-G	FRYL
PFKM.7	#####	0.217377	0.498	0.132	#####	Class-G	PFKM
CTNNA1.9	#####	0.221716	0.422	0.102	#####	Class-G	CTNNA1
RWDD2B.1	#####	0.17629	0.252	0.038	#####	Class-G	RWDD2B
SHB.3	#####	0.181891	0.226	0.03	#####	Class-G	SHB
PRPF6.9	#####	0.237347	0.816	0.277	#####	Class-G	PRPF6
XPOT.7	#####	0.216816	0.465	0.119	#####	Class-G	XPOT
RNF10.6	#####	0.252213	0.782	0.259	#####	Class-G	RNF10
TCFL5	#####	0.160586	0.179	0.017	#####	Class-G	TCFL5
ZNF883.1C	#####	0.178455	0.412	0.096	#####	Class-G	ZNF883
ZNF629.3	#####	0.186374	0.255	0.039	#####	Class-G	ZNF629
QKI.8	#####	0.373602	0.949	0.393	#####	Class-G	QKI
TLE4.7	#####	0.222971	0.455	0.116	#####	Class-G	TLE4
PTP4A3.7	#####	0.235324	0.297	0.054	#####	Class-G	PTP4A3
TPRA1.3	#####	0.195387	0.454	0.114	#####	Class-G	TPRA1
TRAF7.6	#####	0.202267	0.508	0.137	#####	Class-G	TRAF7
RRP15.5	#####	0.150574	0.571	0.162	#####	Class-G	RRP15
FBLN7.1	#####	0.18679	0.2	0.022	#####	Class-G	FBLN7

TNFRSF1A.	#####	0.342427	0.845	0.294	#####	Class-G	TNFRSF1A
FBN1.1	#####	0.160758	0.16	0.012	#####	Class-G	FBN1
JOSD2.9	#####	0.23176	0.788	0.261	#####	Class-G	JOSD2
TMC03.3	#####	0.194614	0.538	0.149	#####	Class-G	TMC03
TRIP10.4	#####	0.188388	0.321	0.062	#####	Class-G	TRIP10
MIER1.5	#####	0.181328	0.479	0.124	#####	Class-G	MIER1
ALOX5AP.1	#####	-1.58532	0.06	0.454	#####	Class-G	ALOX5AP
SF3A2.6	#####	0.238091	0.645	0.196	#####	Class-G	SF3A2
ATP5D.10	#####	0.401183	0.981	0.554	#####	Class-G	ATP5D
DNAJC5.4	#####	0.192669	0.555	0.156	#####	Class-G	DNAJC5
NPHP3.4	#####	0.177602	0.344	0.071	#####	Class-G	NPHP3
PRR14L.3	#####	0.181942	0.301	0.055	#####	Class-G	PRR14L
SLAIN1.1C	#####	0.143185	0.54	0.148	#####	Class-G	SLAIN1
ZNF576.5	#####	0.157816	0.403	0.094	#####	Class-G	ZNF576
MRPS23.7	#####	0.223121	0.824	0.292	#####	Class-G	MRPS23
C5orf42.7	#####	0.204058	0.31	0.059	#####	Class-G	C5orf42
PAIP1.10	#####	0.35299	0.874	0.317	#####	Class-G	PAIP1
SPARCL1.1	#####	0.25313	0.764	0.277	#####	Class-G	SPARCL1
MFSD10.6	#####	0.216132	0.725	0.232	#####	Class-G	MFSD10
ANKFY1.2	#####	0.191274	0.398	0.092	#####	Class-G	ANKFY1
IFI27L1.7	#####	0.149623	0.501	0.134	#####	Class-G	IFI27L1
PGM3.5	#####	0.21355	0.476	0.125	#####	Class-G	PGM3
GNPNAT1.4	#####	0.176007	0.326	0.065	#####	Class-G	GNPNAT1
NREP.10	#####	0.246685	0.674	0.207	#####	Class-G	NREP
ZNF43.9	#####	0.215727	0.401	0.094	#####	Class-G	ZNF43
SLC22A17.	#####	0.215846	0.694	0.217	#####	Class-G	SLC22A17
STK19.2	#####	0.18531	0.379	0.085	#####	Class-G	STK19
C17orf58.	#####	0.219887	0.499	0.135	#####	Class-G	C17orf58
CAPNS1.6	#####	0.258097	0.785	0.267	#####	Class-G	CAPNS1
BMI1.6	#####	0.19337	0.406	0.096	#####	Class-G	BMI1
FOXJ3.2	#####	0.197601	0.347	0.073	#####	Class-G	FOXJ3
C1orf131.	#####	0.147507	0.528	0.147	#####	Class-G	C1orf131
RANBP3.4	#####	0.19903	0.571	0.165	#####	Class-G	RANBP3
MAU2.3	#####	0.187076	0.372	0.082	#####	Class-G	MAU2
MARK1.7	#####	0.218602	0.248	0.038	#####	Class-G	MARK1
RNMTL1.6	#####	0.185689	0.386	0.088	#####	Class-G	RNMTL1
KCNMB4.9	#####	0.144613	0.374	0.082	#####	Class-G	KCNMB4
FZR1.5	#####	0.210953	0.438	0.109	#####	Class-G	FZR1
COA5.5	#####	0.188136	0.73	0.237	#####	Class-G	COA5
IPO7.4	#####	0.212208	0.549	0.156	#####	Class-G	IPO7
ITPA.3	#####	0.264554	0.873	0.328	#####	Class-G	ITPA
DPM3.3	#####	0.196485	0.811	0.277	#####	Class-G	DPM3
CCDC43.6	#####	0.153309	0.528	0.145	#####	Class-G	CCDC43
SH3BP5.9	#####	0.256563	0.527	0.148	#####	Class-G	SH3BP5
KANK1.8	#####	0.174041	0.305	0.057	#####	Class-G	KANK1
IFT27.8	#####	0.205248	0.636	0.195	#####	Class-G	IFT27
PRKD1.6	#####	0.205616	0.207	0.025	#####	Class-G	PRKD1
MFAP3L.8	#####	0.181857	0.218	0.028	#####	Class-G	MFAP3L
DPP6.8	#####	0.266436	0.446	0.115	#####	Class-G	DPP6
SDF2.5	#####	0.236859	0.808	0.283	#####	Class-G	SDF2
IRF2BPL.8	#####	0.255679	0.604	0.182	#####	Class-G	IRF2BPL

EMC8. 6	#####	0. 244394	0. 662	0. 208	#####	Class-G	EMC8
R3HDM1. 4	#####	0. 198349	0. 38	0. 086	#####	Class-G	R3HDM1
CD151. 10	#####	0. 261425	0. 951	0. 405	#####	Class-G	CD151
CLPTM1. 2	#####	0. 277858	0. 787	0. 273	#####	Class-G	CLPTM1
N6AMT1. 1	#####	0. 167303	0. 238	0. 034	#####	Class-G	N6AMT1
DHRXS. 4	#####	0. 206416	0. 592	0. 174	#####	Class-G	DHRXS
PPP2R4. 3	#####	0. 205004	0. 596	0. 178	#####	Class-G	PPP2R4
CD14. 11	#####	-1. 55067	0. 076	0. 463	#####	Class-G	CD14
CDV3. 6	#####	0. 196506	0. 672	0. 21	#####	Class-G	CDV3
CUL5. 6	#####	0. 213834	0. 569	0. 166	#####	Class-G	CUL5
TOM1L2. 7	#####	0. 172174	0. 365	0. 08	#####	Class-G	TOM1L2
AUTS2. 10	#####	0. 211193	0. 361	0. 079	#####	Class-G	AUTS2
AFG3L2. 2	#####	0. 212168	0. 54	0. 153	#####	Class-G	AFG3L2
RRP9. 5	#####	0. 175001	0. 44	0. 11	#####	Class-G	RRP9
DPF2. 6	#####	0. 181988	0. 572	0. 167	#####	Class-G	DPF2
LINC00667	#####	0. 131637	0. 614	0. 183	#####	Class-G	LINC00667
PFDN4. 7	#####	0. 289925	0. 82	0. 284	#####	Class-G	PFDN4
TMEM199. 5	#####	0. 150394	0. 61	0. 182	#####	Class-G	TMEM199
SLC35B1. 5	#####	0. 28064	0. 858	0. 315	#####	Class-G	SLC35B1
BOLA3. 6	#####	0. 235527	0. 771	0. 264	#####	Class-G	BOLA3
SLC22A23. 3	#####	0. 160185	0. 246	0. 037	#####	Class-G	SLC22A23
STK40. 2	#####	0. 192052	0. 372	0. 083	#####	Class-G	STK40
CASP6. 8	#####	0. 182099	0. 452	0. 115	#####	Class-G	CASP6
TMEM260	#####	0. 198345	0. 263	0. 043	#####	Class-G	TMEM260
SLMAP. 2	#####	0. 178005	0. 379	0. 086	#####	Class-G	SLMAP
CTD-3065J	#####	0. 159741	0. 188	0. 02	#####	Class-G	CTD-3065J16. 9
YY1. 7	#####	0. 289293	0. 78	0. 268	#####	Class-G	YY1
HDLBP. 5	#####	0. 244701	0. 777	0. 264	#####	Class-G	HDLBP
ZNF532. 7	#####	0. 193875	0. 306	0. 058	#####	Class-G	ZNF532
UBALD2. 5	#####	0. 21475	0. 643	0. 197	#####	Class-G	UBALD2
MT3. 11	#####	0. 195438	0. 952	0. 415	#####	Class-G	MT3
REPS1. 7	#####	0. 221117	0. 378	0. 086	#####	Class-G	REPS1
CYHR1. 8	#####	0. 187224	0. 678	0. 213	#####	Class-G	CYHR1
SNAP29. 7	#####	0. 156894	0. 578	0. 167	#####	Class-G	SNAP29
RIMKLA. 3	#####	0. 188334	0. 211	0. 027	#####	Class-G	RIMKLA
OTUD7B. 8	#####	0. 179557	0. 323	0. 065	#####	Class-G	OTUD7B
ZBTB80S. 5	#####	0. 153666	0. 707	0. 227	#####	Class-G	ZBTB80S
ZNF528. 7	#####	0. 198806	0. 337	0. 07	#####	Class-G	ZNF528
ACSS2. 1	#####	0. 167332	0. 28	0. 049	#####	Class-G	ACSS2
MGRN1. 7	#####	0. 192582	0. 543	0. 154	#####	Class-G	MGRN1
RNF213. 10	#####	0. 128136	0. 65	0. 198	#####	Class-G	RNF213
MTFR1L. 7	#####	0. 196482	0. 699	0. 224	#####	Class-G	MTFR1L
NKAIN3. 10	#####	0. 284018	0. 371	0. 084	#####	Class-G	NKAIN3
LYRM5. 8	#####	0. 173143	0. 788	0. 268	#####	Class-G	LYRM5
PINK1. 6	#####	0. 236105	0. 534	0. 154	#####	Class-G	PINK1
ANAPC15. 5	#####	0. 159963	0. 645	0. 199	#####	Class-G	ANAPC15
BOD1. 10	#####	0. 237527	0. 724	0. 234	#####	Class-G	BOD1
TRIM44. 9	#####	0. 269648	0. 679	0. 223	#####	Class-G	TRIM44
WDR73. 5	#####	0. 15286	0. 408	0. 098	#####	Class-G	WDR73
LIMCH1. 8	#####	0. 211102	0. 428	0. 107	#####	Class-G	LIMCH1
IGDCC3. 11	#####	0. 200142	0. 236	0. 034	#####	Class-G	IGDCC3

TRIM28.7	#####	0.198551	0.622	0.189	#####	Class-G	TRIM28
NOL8.4	#####	0.190834	0.494	0.134	#####	Class-G	NOL8
MKS1.3	#####	0.165999	0.3	0.056	#####	Class-G	MKS1
C9orf9.7	#####	0.175188	0.341	0.072	#####	Class-G	C9orf9
REX04.4	#####	0.205441	0.506	0.139	#####	Class-G	REX04
LARS.7	#####	0.264723	0.782	0.269	#####	Class-G	LARS
PDZD11.6	#####	0.190741	0.811	0.285	#####	Class-G	PDZD11
FAF1.3	#####	0.199666	0.454	0.118	#####	Class-G	FAF1
CISD1.8	#####	0.170647	0.771	0.266	#####	Class-G	CISD1
SLC12A4.3	#####	0.175245	0.244	0.037	#####	Class-G	SLC12A4
KCTD20.3	#####	0.188327	0.498	0.137	#####	Class-G	KCTD20
TNIP2.6	#####	0.196103	0.455	0.117	#####	Class-G	TNIP2
SURF2.8	#####	0.162718	0.589	0.174	#####	Class-G	SURF2
DTD1.10	#####	0.33958	0.846	0.317	#####	Class-G	DTD1
ZSCAN16-A	#####	0.164786	0.637	0.196	#####	Class-G	ZSCAN16-AS1
COPS7A.2	#####	0.160513	0.674	0.211	#####	Class-G	COPS7A
GRIA4.9	#####	0.278439	0.379	0.088	#####	Class-G	GRIA4
INTS3.2	#####	0.187541	0.341	0.072	#####	Class-G	INTS3
AVEN	#####	0.159621	0.18	0.018	#####	Class-G	AVEN
GAB1.8	#####	0.186852	0.324	0.065	#####	Class-G	GAB1
EIF2B5.5	#####	0.16546	0.494	0.133	#####	Class-G	EIF2B5
JRKL.3	#####	0.164273	0.267	0.045	#####	Class-G	JRKL
TRIM2.9	#####	0.191422	0.571	0.166	#####	Class-G	TRIM2
LRWD1.7	#####	0.214444	0.464	0.122	#####	Class-G	LRWD1
PLEKHH2.6	#####	0.200078	0.25	0.039	#####	Class-G	PLEKHH2
FUZ.4	#####	0.189612	0.446	0.114	#####	Class-G	FUZ
INO80E.6	#####	0.186508	0.576	0.168	#####	Class-G	INO80E
OSBPL8.7	#####	0.285557	0.73	0.243	#####	Class-G	OSBPL8
ADSL.6	#####	0.175443	0.635	0.195	#####	Class-G	ADSL
C3.10	#####	-1.44753	0.073	0.455	#####	Class-G	C3
CS.3	#####	0.175052	0.446	0.114	#####	Class-G	CS
SPATS2.9	#####	0.177517	0.643	0.196	#####	Class-G	SPATS2
SMIM4.6	#####	0.176364	0.653	0.204	#####	Class-G	SMIM4
MVK.2	#####	0.187251	0.272	0.047	#####	Class-G	MVK
CASK.4	#####	0.1498	0.371	0.083	#####	Class-G	CASK
TOR1AIP2.	#####	0.205931	0.619	0.191	#####	Class-G	TOR1AIP2
AP006222.	#####	0.109111	0.546	0.156	#####	Class-G	AP006222.2
RIMS4	#####	0.150569	0.139	0.008	#####	Class-G	RIMS4
DHTKD1.3	#####	0.154228	0.373	0.085	#####	Class-G	DHTKD1
KRR1.2	#####	0.16362	0.583	0.174	#####	Class-G	KRR1
NPAS1.1	#####	0.150146	0.168	0.015	#####	Class-G	NPAS1
SIRT6.4	#####	0.179034	0.514	0.143	#####	Class-G	SIRT6
UROS.6	#####	0.20384	0.625	0.191	#####	Class-G	UROS
PMM1.7	#####	0.113268	0.59	0.175	#####	Class-G	PMM1
LINC00511	#####	0.228043	0.36	0.08	#####	Class-G	LINC00511
SRD5A1.5	#####	0.190507	0.341	0.072	#####	Class-G	SRD5A1
ELAVL1.6	#####	0.271994	0.793	0.271	#####	Class-G	ELAVL1
MINA.1	#####	0.147	0.39	0.091	#####	Class-G	MINA
RWDD4.5	#####	0.208118	0.574	0.17	#####	Class-G	RWDD4
DLEU1.4	#####	0.166617	0.294	0.055	#####	Class-G	DLEU1
LMO4.11	#####	0.389668	0.952	0.4	#####	Class-G	LMO4

JAM3. 7	#####	0.186165	0.422	0.104	#####	Class-G	JAM3
KIF2A. 10	#####	0.223081	0.589	0.177	#####	Class-G	KIF2A
ZNF639. 9	#####	0.195693	0.397	0.094	#####	Class-G	ZNF639
FADS2. 8	#####	0.20775	0.396	0.094	#####	Class-G	FADS2
TRPC4AP. 6	#####	0.230025	0.619	0.19	#####	Class-G	TRPC4AP
FXYP6. 11	#####	0.38589	0.967	0.378	#####	Class-G	FXYP6
ELOF1. 8	#####	0.254365	0.907	0.344	#####	Class-G	ELOF1
GNA12. 2	#####	0.153659	0.397	0.094	#####	Class-G	GNA12
CAPN5. 5	#####	0.198103	0.249	0.039	#####	Class-G	CAPN5
ARCN1. 2	#####	0.164761	0.475	0.126	#####	Class-G	ARCN1
C17orf80.	#####	0.184178	0.284	0.051	#####	Class-G	C17orf80
RSPRY1. 9	#####	0.194007	0.616	0.188	#####	Class-G	RSPRY1
MCFD2. 3	#####	0.170228	0.689	0.22	#####	Class-G	MCFD2
MAD2L2. 8	#####	0.300863	0.864	0.315	#####	Class-G	MAD2L2
ATMIN. 9	#####	0.193086	0.352	0.077	#####	Class-G	ATMIN
CCND2. 11	#####	0.224442	0.759	0.256	#####	Class-G	CCND2
MNAT1. 7	#####	0.134933	0.511	0.141	#####	Class-G	MNAT1
MAGED1. 1C	#####	0.246104	0.791	0.272	#####	Class-G	MAGED1
PTOV1. 10	#####	0.370314	0.925	0.359	#####	Class-G	PTOV1
TMEM136. 7	#####	0.17469	0.292	0.055	#####	Class-G	TMEM136
ESCO1. 2	#####	0.18523	0.37	0.084	#####	Class-G	ESCO1
RP11-698N	#####	0.174034	0.223	0.031	#####	Class-G	RP11-698N11. 2
TMEM8B. 5	#####	0.184642	0.234	0.035	#####	Class-G	TMEM8B
RNF34. 6	#####	0.176558	0.511	0.143	#####	Class-G	RNF34
PI4KB. 2	#####	0.199817	0.539	0.156	#####	Class-G	PI4KB
SMCHD1. 8	#####	0.188409	0.498	0.137	#####	Class-G	SMCHD1
IGF2R. 5	#####	0.164194	0.312	0.061	#####	Class-G	IGF2R
WDR41. 6	#####	0.150155	0.572	0.169	#####	Class-G	WDR41
TMEM41B. 4	#####	0.161346	0.475	0.127	#####	Class-G	TMEM41B
RPP40. 6	#####	0.144672	0.357	0.079	#####	Class-G	RPP40
AIF1. 11	#####	-1.59361	0.092	0.463	#####	Class-G	AIF1
PSKH1	#####	0.167269	0.24	0.037	#####	Class-G	PSKH1
EXOC7. 9	#####	0.23606	0.802	0.278	#####	Class-G	EXOC7
APOPT1. 6	#####	0.216633	0.852	0.304	#####	Class-G	APOPT1
C14orf79	#####	0.1534	0.181	0.019	#####	Class-G	C14orf79
METTL12. 3	#####	0.148446	0.453	0.117	#####	Class-G	METTL12
SNX7. 3	#####	0.178874	0.469	0.125	#####	Class-G	SNX7
NPW	#####	0.180448	0.192	0.022	#####	Class-G	NPW
PFKP. 6	#####	0.165527	0.425	0.106	#####	Class-G	PFKP
EIF3J. 6	#####	0.264637	0.84	0.302	#####	Class-G	EIF3J
VPS72. 7	#####	0.155772	0.67	0.212	#####	Class-G	VPS72
SEPHS2. 5	#####	0.260374	0.738	0.244	#####	Class-G	SEPHS2
DEF8. 7	#####	0.188576	0.656	0.207	#####	Class-G	DEF8
FAM136A. 3	#####	0.164107	0.642	0.2	#####	Class-G	FAM136A
SGCB. 8	#####	0.15887	0.77	0.253	#####	Class-G	SGCB
PDS5B. 6	#####	0.201956	0.455	0.12	#####	Class-G	PDS5B
BCL2L1. 4	#####	0.152633	0.645	0.202	#####	Class-G	BCL2L1
TBL1X. 1	#####	0.16936	0.241	0.037	#####	Class-G	TBL1X
GATAD1. 5	#####	0.17849	0.523	0.148	#####	Class-G	GATAD1
CENPB. 2	#####	0.172154	0.329	0.069	#####	Class-G	CENPB
ZSWIM7	#####	0.192379	0.784	0.271	#####	Class-G	ZSWIM7

UPF3A. 10	#####	0. 226701	0. 79	0. 272	#####	Class-G	UPF3A
RYK. 4	#####	0. 17206	0. 296	0. 056	#####	Class-G	RYK
ACTB. 8	#####	-0. 42089	1	0. 991	#####	Class-G	ACTB
RBFA. 4	#####	0. 166294	0. 458	0. 12	#####	Class-G	RBFA
CPE. 10	#####	0. 344995	0. 841	0. 316	#####	Class-G	CPE
PTGR1. 6	#####	0. 102077	0. 493	0. 135	#####	Class-G	PTGR1
KIF5C. 11	#####	0. 208009	0. 657	0. 204	#####	Class-G	KIF5C
KAT2A. 5	#####	0. 218279	0. 44	0. 115	#####	Class-G	KAT2A
FOXRED2. 2	#####	0. 173238	0. 28	0. 05	#####	Class-G	FOXRED2
SRP68. 4	#####	0. 195933	0. 576	0. 173	#####	Class-G	SRP68
SYT12	#####	0. 132573	0. 149	0. 011	#####	Class-G	SYT12
AR. 6	#####	0. 171032	0. 193	0. 023	#####	Class-G	AR
CIC. 3	#####	0. 180356	0. 358	0. 08	#####	Class-G	CIC
MDFI. 8	#####	0. 220405	0. 29	0. 054	#####	Class-G	MDFI
NOL12. 3	#####	0. 111934	0. 563	0. 164	#####	Class-G	NOL12
RNF208	#####	0. 18063	0. 199	0. 024	#####	Class-G	RNF208
FAM216A. 6	#####	0. 166293	0. 363	0. 082	#####	Class-G	FAM216A
UNC119. 6	#####	0. 198318	0. 553	0. 162	#####	Class-G	UNC119
DMD. 5	#####	0. 232442	0. 282	0. 052	#####	Class-G	DMD
GOLGA2. 3	#####	0. 150979	0. 531	0. 152	#####	Class-G	GOLGA2
MICALL2. 5	#####	0. 176688	0. 247	0. 04	#####	Class-G	MICALL2
CUEDC1. 7	#####	0. 188251	0. 347	0. 076	#####	Class-G	CUEDC1
TNRC6A. 6	#####	0. 169955	0. 549	0. 16	#####	Class-G	TNRC6A
KIAA0232.	#####	0. 179689	0. 425	0. 107	#####	Class-G	KIAA0232
UNK. 3	#####	0. 146927	0. 374	0. 086	#####	Class-G	UNK
ADD1. 8	#####	0. 182613	0. 725	0. 239	#####	Class-G	ADD1
GTF2F1. 2	#####	0. 202159	0. 675	0. 219	#####	Class-G	GTF2F1
OXCT1. 6	#####	0. 181503	0. 415	0. 104	#####	Class-G	OXCT1
NTMT1. 3	#####	0. 186346	0. 751	0. 255	#####	Class-G	NTMT1
ASPH. 6	#####	0. 218859	0. 669	0. 213	#####	Class-G	ASPH
TTC23	#####	0. 165759	0. 194	0. 023	#####	Class-G	TTC23
MVD. 3	#####	0. 207024	0. 474	0. 13	#####	Class-G	MVD
TSPAN12. 9	#####	0. 252982	0. 358	0. 081	#####	Class-G	TSPAN12
C9orf114.	#####	0. 166151	0. 404	0. 099	#####	Class-G	C9orf114
U2AF2. 4	#####	0. 184898	0. 629	0. 196	#####	Class-G	U2AF2
STK25. 9	#####	0. 228868	0. 714	0. 235	#####	Class-G	STK25
TSSC4. 6	#####	0. 181044	0. 733	0. 243	#####	Class-G	TSSC4
TRIAP1. 8	#####	0. 146218	0. 737	0. 244	#####	Class-G	TRIAP1
KANSL1. 8	#####	0. 162495	0. 452	0. 119	#####	Class-G	KANSL1
MARCH2. 9	#####	0. 161543	0. 589	0. 174	#####	Class-G	2-Mar
ILF3-AS1.	#####	0. 166669	0. 725	0. 242	#####	Class-G	ILF3-AS1
ATP6V1G2.	#####	0. 152595	0. 421	0. 105	#####	Class-G	ATP6V1G2
VSIG4. 11	#####	-1. 5398	0. 039	0. 418	#####	Class-G	VSIG4
LYPLA1. 6	#####	0. 282227	0. 877	0. 33	#####	Class-G	LYPLA1
KIAA1549L	#####	0. 168985	0. 172	0. 017	#####	Class-G	KIAA1549L
SETX. 6	#####	0. 157131	0. 453	0. 119	#####	Class-G	SETX
TSPAN3. 9	#####	0. 338907	0. 944	0. 38	#####	Class-G	TSPAN3
NDUFS1. 7	#####	0. 209397	0. 623	0. 195	#####	Class-G	NDUFS1
MPRIP. 4	#####	0. 147999	0. 434	0. 111	#####	Class-G	MPRIP
MFAP1. 5	#####	0. 156848	0. 466	0. 125	#####	Class-G	MFAP1
PHAX. 7	#####	0. 173174	0. 72	0. 237	#####	Class-G	PHAX

SZRD1.6	#####	0.1459	0.643	0.203	#####	Class-G	SZRD1
MSI1.9	#####	0.243066	0.388	0.094	#####	Class-G	MSI1
TSTD3	#####	0.148202	0.186	0.021	#####	Class-G	TSTD3
PARP9.6	#####	0.171386	0.459	0.123	#####	Class-G	PARP9
C8orf88	#####	0.162953	0.187	0.022	#####	Class-G	C8orf88
HEXIM1.5	#####	0.155542	0.554	0.163	#####	Class-G	HEXIM1
DNAL1.3	#####	0.141167	0.324	0.068	#####	Class-G	DNAL1
CCDC14.8	#####	0.188818	0.571	0.171	#####	Class-G	CCDC14
EID2.8	#####	0.18369	0.34	0.074	#####	Class-G	EID2
CTD-2587M	#####	0.13493	0.121	0.005	#####	Class-G	CTD-2587M2.1
SNHG10.5	#####	0.179242	0.303	0.06	#####	Class-G	SNHG10
USP48.5	#####	0.20422	0.546	0.161	#####	Class-G	USP48
GPATCH2L	#####	0.180684	0.562	0.168	#####	Class-G	GPATCH2L
CARS.6	#####	0.16577	0.555	0.164	#####	Class-G	CARS
TMEM222.7	#####	0.159485	0.668	0.216	#####	Class-G	TMEM222
SERINC5.4	#####	0.142845	0.243	0.038	#####	Class-G	SERINC5
TRIP12.4	#####	0.170351	0.451	0.119	#####	Class-G	TRIP12
RNF26.5	#####	0.177347	0.435	0.112	#####	Class-G	RNF26
PCSK5.2	#####	0.207318	0.223	0.032	#####	Class-G	PCSK5
CABIN1.4	#####	0.153381	0.385	0.091	#####	Class-G	CABIN1
KCTD17.5	#####	0.179282	0.389	0.093	#####	Class-G	KCTD17
DCUN1D5.5	#####	0.203209	0.682	0.223	#####	Class-G	DCUN1D5
RRP1.6	#####	0.170886	0.536	0.157	#####	Class-G	RRP1
PORCN	#####	0.162116	0.273	0.049	#####	Class-G	PORCN
C15orf61	#####	0.149555	0.467	0.126	#####	Class-G	C15orf61
THBS3.1	#####	0.161436	0.223	0.032	#####	Class-G	THBS3
MFI2-AS1	#####	0.181692	0.26	0.045	#####	Class-G	MFI2-AS1
TMCC1.8	#####	0.198667	0.344	0.076	#####	Class-G	TMCC1
MAPKAPK5	#####	0.179002	0.485	0.134	#####	Class-G	MAPKAPK5
TMEM5.8	#####	0.154178	0.535	0.155	#####	Class-G	TMEM5
PGM1.7	#####	0.193884	0.609	0.192	#####	Class-G	PGM1
TIMM10.5	#####	0.225061	0.802	0.281	#####	Class-G	TIMM10
APEH.3	#####	0.160439	0.511	0.145	#####	Class-G	APEH
RNF167.3	#####	0.254777	0.867	0.332	#####	Class-G	RNF167
FCER1G.11	#####	-1.58639	0.144	0.49	#####	Class-G	FCER1G
PLEKHA3.7	#####	0.208393	0.577	0.175	#####	Class-G	PLEKHA3
ZBTB22.3	#####	0.165698	0.283	0.052	#####	Class-G	ZBTB22
RBM15B.9	#####	0.184296	0.461	0.124	#####	Class-G	RBM15B
FAM3A.2	#####	0.155029	0.56	0.165	#####	Class-G	FAM3A
PTPN11.4	#####	0.216231	0.413	0.105	#####	Class-G	PTPN11
ZNF146.8	#####	0.189362	0.569	0.171	#####	Class-G	ZNF146
CNOT11.2	#####	0.180668	0.361	0.083	#####	Class-G	CNOT11
GRHPR.7	#####	0.227228	0.86	0.316	#####	Class-G	GRHPR
MEN1.6	#####	0.190927	0.351	0.078	#####	Class-G	MEN1
CHAMP1.5	#####	0.187722	0.375	0.088	#####	Class-G	CHAMP1
SCRN2.3	#####	0.128865	0.465	0.125	#####	Class-G	SCRN2
TM7SF3.5	#####	0.216828	0.611	0.192	#####	Class-G	TM7SF3
ST6GALNAC	#####	0.152803	0.426	0.109	#####	Class-G	ST6GALNAC6
FAM213B.3	#####	0.182794	0.29	0.056	#####	Class-G	FAM213B
ARMCX6.3	#####	0.141135	0.597	0.184	#####	Class-G	ARMCX6
CCNO	#####	0.136442	0.124	0.006	#####	Class-G	CCNO

STX16.2	#####	0.162502	0.534	0.155	#####	Class-G	STX16
HLA-DRB5.	#####	-1.616	0.085	0.451	#####	Class-G	HLA-DRB5
PPP5C.7	#####	0.21987	0.466	0.129	#####	Class-G	PPP5C
GNG7.10	#####	0.17262	0.699	0.233	#####	Class-G	GNG7
DOT1L.2	#####	0.166118	0.269	0.048	#####	Class-G	DOT1L
PTMS.10	#####	0.441177	0.974	0.484	#####	Class-G	PTMS
AP2A1.4	#####	0.180091	0.586	0.179	#####	Class-G	AP2A1
LGR6	#####	0.2617	0.122	0.006	#####	Class-G	LGR6
RFNG.2	#####	0.156473	0.314	0.064	#####	Class-G	RFNG
RNF170.4	#####	0.125789	0.451	0.118	#####	Class-G	RNF170
SAC3D1.9	#####	0.201089	0.457	0.123	#####	Class-G	SAC3D1
RDH13.3	#####	0.176508	0.257	0.044	#####	Class-G	RDH13
TTC28.8	#####	0.17532	0.304	0.061	#####	Class-G	TTC28
YBX3.5	#####	0.338066	0.867	0.329	#####	Class-G	YBX3
FHL2.7	#####	0.237527	0.189	0.023	#####	Class-G	FHL2
CDK6.9	#####	0.225155	0.524	0.153	#####	Class-G	CDK6
HECTD1.4	#####	0.1785	0.571	0.172	#####	Class-G	HECTD1
CDKN2AIPN	#####	0.148811	0.609	0.19	#####	Class-G	CDKN2AIPNL
ZDHHC1	#####	0.159224	0.185	0.021	#####	Class-G	ZDHHC1
IPO9.7	#####	0.185178	0.574	0.175	#####	Class-G	IPO9
DESI1.5	#####	0.130942	0.471	0.127	#####	Class-G	DESI1
CHD4.7	#####	0.230568	0.742	0.253	#####	Class-G	CHD4
PRRT3.3	#####	0.158483	0.243	0.039	#####	Class-G	PRRT3
ARAF.2	#####	0.153265	0.473	0.129	#####	Class-G	ARAF
CALU.9	#####	0.23415	0.883	0.325	#####	Class-G	CALU
ISCA2.5	#####	0.135777	0.669	0.218	#####	Class-G	ISCA2
EIF4G1.4	#####	0.192829	0.663	0.214	#####	Class-G	EIF4G1
RIT1.7	#####	0.132501	0.545	0.16	#####	Class-G	RIT1
MPDZ.7	#####	0.185783	0.284	0.054	#####	Class-G	MPDZ
BMS1.2	#####	0.145113	0.409	0.102	#####	Class-G	BMS1
SPSB4.9	#####	0.182128	0.221	0.032	#####	Class-G	SPSB4
RNF169.2	#####	0.186217	0.263	0.046	#####	Class-G	RNF169
ZNF487	#####	0.136402	0.186	0.022	#####	Class-G	ZNF487
PCDHB16.9	#####	0.223645	0.396	0.098	#####	Class-G	PCDHB16
SIPA1L2.4	#####	0.179947	0.359	0.083	#####	Class-G	SIPA1L2
EPHX1.6	#####	0.10402	0.577	0.176	#####	Class-G	EPHX1
CAMTA1.4	#####	0.310248	0.911	0.374	#####	Class-G	CAMTA1
LSM14A.6	#####	0.266916	0.846	0.305	#####	Class-G	LSM14A
KLHL25.3	#####	0.166796	0.207	0.028	#####	Class-G	KLHL25
TMEM185A.	#####	0.174691	0.271	0.049	#####	Class-G	TMEM185A
B4GALT2.7	#####	0.174006	0.263	0.046	#####	Class-G	B4GALT2
BOLA1.5	#####	0.111741	0.42	0.107	#####	Class-G	BOLA1
PGAP1.10	#####	0.17875	0.485	0.134	#####	Class-G	PGAP1
PREX1.10	#####	0.132831	0.554	0.163	#####	Class-G	PREX1
RDX.10	#####	0.394374	0.953	0.415	#####	Class-G	RDX
PNKP.2	#####	0.150315	0.473	0.129	#####	Class-G	PNKP
TFDP1.6	#####	0.190586	0.498	0.141	#####	Class-G	TFDP1
SLC12A2.9	#####	0.128686	0.375	0.089	#####	Class-G	SLC12A2
TMOD3.8	#####	0.158803	0.404	0.101	#####	Class-G	TMOD3
TMEM170A.	#####	0.151444	0.612	0.192	#####	Class-G	TMEM170A
MKKS.6	#####	0.260321	0.857	0.33	#####	Class-G	MKKS



DCAF7. 6	#####	0. 210113	0. 748	0. 25	#####	Class-G	DCAF7
ZNF133. 3	#####	0. 160845	0. 269	0. 048	#####	Class-G	ZNF133
PLXNB2. 7	#####	0. 121045	0. 432	0. 112	#####	Class-G	PLXNB2
SGK223. 3	#####	0. 173875	0. 253	0. 043	#####	Class-G	SGK223
OTX1	#####	0. 145502	0. 131	0. 008	#####	Class-G	OTX1
EPS8L1. 1	#####	0. 200025	0. 187	0. 023	#####	Class-G	EPS8L1
LYPLA2. 4	#####	0. 145249	0. 556	0. 166	#####	Class-G	LYPLA2
SLC39A13.	#####	0. 154177	0. 388	0. 095	#####	Class-G	SLC39A13
PLA2G12A.	#####	0. 207072	0. 578	0. 178	#####	Class-G	PLA2G12A
RUFY2. 10	#####	0. 161907	0. 415	0. 106	#####	Class-G	RUFY2
NIPSNAP1.	#####	0. 178831	0. 451	0. 121	#####	Class-G	NIPSNAP1
ABHD12. 7	#####	0. 294253	0. 846	0. 305	#####	Class-G	ABHD12
WRNIP1. 3	#####	0. 183198	0. 318	0. 068	#####	Class-G	WRNIP1
LAYN. 8	#####	0. 183555	0. 215	0. 031	#####	Class-G	LAYN
SNAP47. 8	#####	0. 132912	0. 519	0. 151	#####	Class-G	SNAP47
DYNC1H1. 9	#####	0. 204956	0. 775	0. 266	#####	Class-G	DYNC1H1
ANKRD11. 6	#####	0. 236163	0. 729	0. 248	#####	Class-G	ANKRD11
STX2. 7	#####	0. 171184	0. 329	0. 071	#####	Class-G	STX2
KIAA0100.	#####	0. 158896	0. 286	0. 055	#####	Class-G	KIAA0100
HMG1. 6	#####	0. 362784	0. 747	0. 28	#####	Class-G	HMG1
IQGAP1. 9	#####	0. 130208	0. 622	0. 192	#####	Class-G	IQGAP1
ZNF581. 6	#####	0. 115441	0. 464	0. 125	#####	Class-G	ZNF581
APBA3. 2	#####	0. 168789	0. 286	0. 055	#####	Class-G	APBA3
TREM2. 11	#####	-1. 51208	0. 034	0. 402	#####	Class-G	TREM2
NPB. 5	#####	0. 140957	0. 241	0. 039	#####	Class-G	NPB
KLF3. 4	#####	0. 202831	0. 539	0. 161	#####	Class-G	KLF3
SMARCA5. 8	#####	0. 273813	0. 786	0. 277	#####	Class-G	SMARCA5
AHCYL1. 1C	#####	0. 131444	0. 752	0. 258	#####	Class-G	AHCYL1
UTP14C. 3	#####	0. 193115	0. 272	0. 051	#####	Class-G	UTP14C
BCAR1. 9	#####	0. 18544	0. 458	0. 125	#####	Class-G	BCAR1
NPM1. 4	#####	-0. 4475	0. 987	0. 849	#####	Class-G	NPM1
CELSR1	#####	0. 123111	0. 13	0. 008	#####	Class-G	CELSR1
CLIP1. 4	#####	0. 167687	0. 539	0. 161	#####	Class-G	CLIP1
DHRS7B. 3	#####	0. 131401	0. 486	0. 137	#####	Class-G	DHRS7B
FAM195A. 7	#####	0. 178874	0. 62	0. 194	#####	Class-G	FAM195A
ARHGDIB. 1	#####	-1. 47987	0. 059	0. 423	#####	Class-G	ARHGDIB
RP11-792A	#####	0. 125196	0. 534	0. 157	#####	Class-G	RP11-792A8. 4
TXNRD2. 4	#####	0. 177659	0. 35	0. 08	#####	Class-G	TXNRD2
EXD3	#####	0. 158019	0. 264	0. 048	#####	Class-G	EXD3
HIST2H2BE	#####	0. 135959	0. 41	0. 104	#####	Class-G	HIST2H2BE
OGFOD1. 4	#####	0. 177397	0. 414	0. 107	#####	Class-G	OGFOD1
NMNAT1. 2	#####	0. 11692	0. 262	0. 047	#####	Class-G	NMNAT1
ZRANB2. 4	#####	0. 192181	0. 754	0. 26	#####	Class-G	ZRANB2
DDRKG1. 4	#####	0. 286285	0. 892	0. 34	#####	Class-G	DDRKG1
NPHP1. 5	#####	0. 1545	0. 243	0. 041	#####	Class-G	NPHP1
ATXN1. 6	#####	0. 14161	0. 441	0. 118	#####	Class-G	ATXN1
RP11-379H	#####	0. 156117	0. 25	0. 043	#####	Class-G	RP11-379H18. 1
GPATCH2. 4	#####	0. 135768	0. 437	0. 116	#####	Class-G	GPATCH2
EFCAB14. 6	#####	0. 180481	0. 52	0. 151	#####	Class-G	EFCAB14
OLIG2. 10	#####	0. 202321	0. 47	0. 131	#####	Class-G	OLIG2
DCAF5. 3	#####	0. 138186	0. 381	0. 092	#####	Class-G	DCAF5

ARMC7.1	#####	0.139006	0.288	0.057	#####	Class-G	ARMC7
SLC27A3.6	#####	0.179463	0.357	0.084	#####	Class-G	SLC27A3
CLCC1.1	#####	0.150263	0.389	0.096	#####	Class-G	CLCC1
KDM5B.10	#####	0.204887	0.437	0.117	#####	Class-G	KDM5B
HLA-DMA.1	#####	-1.4251	0.104	0.458	#####	Class-G	HLA-DMA
DIRAS1.8	#####	0.207461	0.338	0.076	#####	Class-G	DIRAS1
MORC4.2	#####	0.17951	0.223	0.034	#####	Class-G	MORC4
STON2	#####	0.173842	0.186	0.023	#####	Class-G	STON2
CEP104.4	#####	0.177181	0.356	0.083	#####	Class-G	CEP104
TNP01.2	#####	0.219942	0.655	0.216	#####	Class-G	TNP01
PQLC1.7	#####	0.153414	0.382	0.093	#####	Class-G	PQLC1
TUBG1.8	#####	0.161874	0.578	0.177	#####	Class-G	TUBG1
DRAXIN.1C	#####	0.202888	0.419	0.109	#####	Class-G	DRAXIN
NCK2.5	#####	0.176864	0.409	0.105	#####	Class-G	NCK2
PIP5K1A.2	#####	0.15968	0.407	0.104	#####	Class-G	PIP5K1A
FAM171A1.	#####	0.155348	0.26	0.046	#####	Class-G	FAM171A1
PPP4R2.4	#####	0.16179	0.629	0.201	#####	Class-G	PPP4R2
SMARCD2.3	#####	0.146715	0.28	0.054	#####	Class-G	SMARCD2
2-Mar	#####	0.174256	0.18	0.021	#####	Class-G	2-Mar
KLHDC10.5	#####	0.183633	0.374	0.09	#####	Class-G	KLHDC10
UBAC1.6	#####	0.146708	0.547	0.164	#####	Class-G	UBAC1
AC093323.	#####	0.176466	0.301	0.062	#####	Class-G	AC093323.3
RP11-448A	#####	0.157018	0.295	0.059	#####	Class-G	RP11-448A19.1
SLC30A9.1	#####	0.171262	0.611	0.193	#####	Class-G	SLC30A9
AC010642.	#####	0.169014	0.554	0.168	#####	Class-G	AC010642.1
KDELC1	#####	0.159063	0.183	0.022	#####	Class-G	KDELC1
CALD1.9	#####	0.222086	0.924	0.337	#####	Class-G	CALD1
OSBP2.1	#####	0.147028	0.16	0.016	#####	Class-G	OSBP2
ATAD3A.4	#####	0.203202	0.415	0.109	#####	Class-G	ATAD3A
MS4A6A.11	#####	-1.48586	0.027	0.392	#####	Class-G	MS4A6A
POLDIP3.4	#####	0.155502	0.485	0.137	#####	Class-G	POLDIP3
TUSC2.6	#####	0.239618	0.761	0.266	#####	Class-G	TUSC2
GIT1.6	#####	0.159615	0.323	0.07	#####	Class-G	GIT1
NXPH1.11	#####	0.23482	0.384	0.095	#####	Class-G	NXPH1
NEDD9.8	#####	0.141034	0.551	0.166	#####	Class-G	NEDD9
ZNF561.4	#####	0.138811	0.334	0.074	#####	Class-G	ZNF561
ELAC1	#####	0.123899	0.358	0.083	#####	Class-G	ELAC1
PRPF8.4	#####	0.169526	0.62	0.197	#####	Class-G	PRPF8
ZNF48.7	#####	0.187694	0.303	0.063	#####	Class-G	ZNF48
RIOK3.3	#####	0.152867	0.499	0.143	#####	Class-G	RIOK3
RARS2.5	#####	0.153731	0.492	0.141	#####	Class-G	RARS2
DRG2.4	#####	0.152087	0.509	0.149	#####	Class-G	DRG2
TMEM184B.	#####	0.157821	0.389	0.097	#####	Class-G	TMEM184B
RDH10.10	#####	0.248434	0.278	0.054	#####	Class-G	RDH10
KDM5D.1	#####	0.137209	0.184	0.022	#####	Class-G	KDM5D
TRAP1.8	#####	0.203366	0.621	0.199	#####	Class-G	TRAP1
CTU2.5	#####	0.160703	0.378	0.093	#####	Class-G	CTU2
PREPL.8	#####	0.156481	0.49	0.139	#####	Class-G	PREPL
CTB-58E17	#####	0.126805	0.218	0.033	#####	Class-G	CTB-58E17.1
RUVBL2.6	#####	0.178617	0.731	0.25	#####	Class-G	RUVBL2
C12orf10.	#####	0.131185	0.733	0.25	#####	Class-G	C12orf10

BLMH. 4	#####	0.161896	0.462	0.128	#####	Class-G	BLMH
EDEM2. 6	#####	0.102741	0.589	0.183	#####	Class-G	EDEM2
CYB561. 7	#####	0.150054	0.266	0.049	#####	Class-G	CYB561
TREX1. 3	#####	0.152889	0.339	0.076	#####	Class-G	TREX1
CCDC34. 7	#####	0.16295	0.448	0.121	#####	Class-G	CCDC34
FAM160A2.	#####	0.169675	0.338	0.077	#####	Class-G	FAM160A2
NFKBIL1. 5	#####	0.157079	0.518	0.153	#####	Class-G	NFKBIL1
DDX27. 5	#####	0.163501	0.665	0.219	#####	Class-G	DDX27
ST7L. 3	#####	0.157969	0.337	0.077	#####	Class-G	ST7L
MAP2K4. 2	#####	0.17369	0.305	0.064	#####	Class-G	MAP2K4
ACP6. 1	#####	0.158183	0.229	0.037	#####	Class-G	ACP6
AC091729.	#####	0.179168	0.267	0.05	#####	Class-G	AC091729. 9
RAB4A. 5	#####	0.234508	0.769	0.271	#####	Class-G	RAB4A
SLC1A3. 1C	#####	0.298261	0.939	0.401	#####	Class-G	SLC1A3
LEMD2. 3	#####	0.184561	0.408	0.106	#####	Class-G	LEMD2
OGFOD2	#####	0.131911	0.302	0.062	#####	Class-G	OGFOD2
NARFL. 4	#####	0.153413	0.402	0.103	#####	Class-G	NARFL
FTSJ3. 3	#####	0.167927	0.408	0.106	#####	Class-G	FTSJ3
MPST. 6	#####	0.198311	0.713	0.24	#####	Class-G	MPST
WRAP73. 4	#####	0.15513	0.404	0.104	#####	Class-G	WRAP73
PRKAR2A. 4	#####	0.17355	0.603	0.191	#####	Class-G	PRKAR2A
STOML2. 5	#####	0.256	0.887	0.345	#####	Class-G	STOML2
CPNE1. 3	#####	0.180527	0.77	0.269	#####	Class-G	CPNE1
EIF3B. 5	#####	0.179462	0.602	0.189	#####	Class-G	EIF3B
TLL1. 6	#####	0.133327	0.29	0.058	#####	Class-G	TLL1
FADS3. 5	#####	0.172787	0.41	0.106	#####	Class-G	FADS3
PIGU. 7	#####	0.128686	0.452	0.125	#####	Class-G	PIGU
COA6. 5	#####	0.133611	0.657	0.214	#####	Class-G	COA6
C19orf48.	#####	0.199143	0.558	0.173	#####	Class-G	C19orf48
NDUFAF6. 8	#####	0.15951	0.472	0.133	#####	Class-G	NDUFAF6
ZNF667-AS	#####	0.142457	0.871	0.309	#####	Class-G	ZNF667-AS1
PTHLH. 1	#####	0.163476	0.152	0.014	#####	Class-G	PTHLH
TAF6L. 1	#####	0.179157	0.285	0.057	#####	Class-G	TAF6L
TMEM97. 8	#####	0.178604	0.452	0.126	#####	Class-G	TMEM97
CSRP2BP. 3	#####	0.165789	0.258	0.047	#####	Class-G	CSRP2BP
PCDH8. 5	#####	0.177161	0.19	0.024	#####	Class-G	PCDH8
ZBTB20. 9	#####	0.251219	0.855	0.309	#####	Class-G	ZBTB20
SLC2A13. 2	#####	0.190529	0.282	0.055	#####	Class-G	SLC2A13
ACBD3. 4	#####	0.173695	0.46	0.128	#####	Class-G	ACBD3
TRMT6. 4	#####	0.136727	0.468	0.131	#####	Class-G	TRMT6
DNAJC10. 3	#####	0.158791	0.502	0.147	#####	Class-G	DNAJC10
ARGLU1. 8	#####	0.363708	0.927	0.394	#####	Class-G	ARGLU1
CLEC11A. 9	#####	0.20281	0.571	0.176	#####	Class-G	CLEC11A
PDHX. 7	#####	0.146629	0.454	0.125	#####	Class-G	PDHX
CACNB4. 5	#####	0.147354	0.286	0.056	#####	Class-G	CACNB4
WDR45B. 5	#####	0.290393	0.864	0.328	#####	Class-G	WDR45B
COA4. 5	#####	0.191267	0.839	0.312	#####	Class-G	COA4
TSEN15. 6	#####	0.163444	0.571	0.178	#####	Class-G	TSEN15
MAP3K1. 4	#####	0.232067	0.302	0.064	#####	Class-G	MAP3K1
IFNAR2. 7	#####	0.169017	0.508	0.149	#####	Class-G	IFNAR2
ST20. 2	#####	0.134658	0.331	0.075	#####	Class-G	ST20

AES. 10	#####	0.276545	0.884	0.333	#####	Class-G	AES
MIER2. 1	#####	0.165247	0.326	0.072	#####	Class-G	MIER2
PEX11B. 3	#####	0.105044	0.377	0.092	#####	Class-G	PEX11B
PWAR6. 6	#####	0.169375	0.249	0.043	#####	Class-G	PWAR6
ANAPC7. 7	#####	0.171751	0.453	0.126	#####	Class-G	ANAPC7
EIF2AK2. 3	#####	0.182744	0.699	0.237	#####	Class-G	EIF2AK2
SCD5. 10	#####	0.283685	0.865	0.317	#####	Class-G	SCD5
DUSP1. 8	#####	-1.00869	0.343	0.613	#####	Class-G	DUSP1
ZBTB42	#####	0.126531	0.129	0.008	#####	Class-G	ZBTB42
GPATCH8. 8	#####	0.174351	0.708	0.237	#####	Class-G	GPATCH8
YIF1A. 7	#####	0.222274	0.891	0.348	#####	Class-G	YIF1A
PMPCA. 7	#####	0.177308	0.594	0.189	#####	Class-G	PMPCA
FAM102A. 7	#####	0.106819	0.304	0.064	#####	Class-G	FAM102A
UNC45A. 3	#####	0.137226	0.432	0.116	#####	Class-G	UNC45A
PNPLA2. 6	#####	0.166187	0.533	0.16	#####	Class-G	PNPLA2
MAVS. 2	#####	0.118728	0.251	0.045	#####	Class-G	MAVS
SPPL3. 9	#####	0.140397	0.506	0.147	#####	Class-G	SPPL3
COX4I1. 5	#####	-0.4457	0.998	0.896	#####	Class-G	COX4I1
GSPT1. 7	#####	0.258543	0.785	0.277	#####	Class-G	GSPT1
AMMECR1	#####	0.181702	0.203	0.029	#####	Class-G	AMMECR1
KIAA1958.	#####	0.183071	0.235	0.04	#####	Class-G	KIAA1958
ENOPH1. 9	#####	0.273124	0.85	0.314	#####	Class-G	ENOPH1
LRRC59. 6	#####	0.258182	0.788	0.287	#####	Class-G	LRRC59
SEC23A. 3	#####	0.12432	0.497	0.144	#####	Class-G	SEC23A
IBTK. 3	#####	0.159535	0.445	0.122	#####	Class-G	IBTK
POGLUT1. 1	#####	0.158636	0.332	0.076	#####	Class-G	POGLUT1
DPH7. 8	#####	0.178847	0.443	0.122	#####	Class-G	DPH7
PSMD12. 5	#####	0.211802	0.767	0.274	#####	Class-G	PSMD12
SH2B1. 4	#####	0.14291	0.41	0.107	#####	Class-G	SH2B1
METTL16. 5	#####	0.159153	0.327	0.073	#####	Class-G	METTL16
DTYMK. 10	#####	0.188655	0.759	0.259	#####	Class-G	DTYMK
CSNK1E. 1C	#####	0.167305	0.715	0.239	#####	Class-G	CSNK1E
TCEA1. 6	#####	0.326286	0.949	0.408	#####	Class-G	TCEA1
ADPRHL2. 6	#####	0.167105	0.624	0.202	#####	Class-G	ADPRHL2
VAMP5. 6	#####	0.114869	0.85	0.323	#####	Class-G	VAMP5
PQLC3. 10	#####	0.136361	0.48	0.136	#####	Class-G	PQLC3
TSC22D1. 1	#####	0.393125	0.976	0.436	#####	Class-G	TSC22D1
HAP1. 6	#####	0.151188	0.238	0.04	#####	Class-G	HAP1
DYRK1B. 3	#####	0.156285	0.235	0.039	#####	Class-G	DYRK1B
NLGN2. 8	#####	0.185208	0.29	0.059	#####	Class-G	NLGN2
ORAI2. 7	#####	0.195037	0.651	0.215	#####	Class-G	ORAI2
CYBA. 11	#####	-1.40157	0.112	0.452	#####	Class-G	CYBA
HAS2. 7	#####	0.170126	0.2	0.028	#####	Class-G	HAS2
NSMF. 6	#####	0.186289	0.341	0.08	#####	Class-G	NSMF
ZBED3. 8	#####	0.164823	0.283	0.056	#####	Class-G	ZBED3
HDHD2. 5	#####	0.130417	0.613	0.199	#####	Class-G	HDHD2
NOP56. 6	#####	0.25637	0.871	0.339	#####	Class-G	NOP56
CMC1. 2	#####	0.114036	0.651	0.214	#####	Class-G	CMC1
PTCD3. 7	#####	0.162312	0.565	0.175	#####	Class-G	PTCD3
CUX1. 5	#####	0.164305	0.584	0.185	#####	Class-G	CUX1
FAU. 8	#####	-0.43775	0.999	0.951	#####	Class-G	FAU

TMOD2. 5	#####	0. 169445	0. 329	0. 075	#####	Class-G	TMOD2
C8orf59. 4	#####	0. 270803	0. 848	0. 319	#####	Class-G	C8orf59
PHF3. 3	#####	0. 156173	0. 497	0. 145	#####	Class-G	PHF3
SERINC3. 4	#####	0. 224636	0. 803	0. 293	#####	Class-G	SERINC3
TIMM23. 2	#####	0. 102931	0. 415	0. 109	#####	Class-G	TIMM23
ODC1. 10	#####	0. 321004	0. 852	0. 318	#####	Class-G	ODC1
CTSA. 11	#####	0. 232805	0. 859	0. 324	#####	Class-G	CTSA
CACTIN. 1	#####	0. 173609	0. 229	0. 038	#####	Class-G	CACTIN
SMARCC1. 9	#####	0. 199696	0. 611	0. 196	#####	Class-G	SMARCC1
BABAM1. 4	#####	0. 194536	0. 869	0. 33	#####	Class-G	BABAM1
RFK. 7	#####	0. 184712	0. 579	0. 182	#####	Class-G	RFK
ATP9A. 10	#####	0. 16307	0. 333	0. 076	#####	Class-G	ATP9A
CLUAP1. 9	#####	0. 143544	0. 444	0. 123	#####	Class-G	CLUAP1
HIGD1A. 5	#####	0. 225499	0. 891	0. 351	#####	Class-G	HIGD1A
AGO3. 5	#####	0. 143678	0. 492	0. 143	#####	Class-G	AGO3
PRCP. 7	#####	0. 20363	0. 775	0. 286	#####	Class-G	PRCP
ETAA1. 1	#####	0. 141682	0. 201	0. 028	#####	Class-G	ETAA1
PXN-AS1. 3	#####	0. 146294	0. 266	0. 051	#####	Class-G	PXN-AS1
LRRC8A. 9	#####	0. 21741	0. 44	0. 124	#####	Class-G	LRRC8A
PTBP1. 7	#####	0. 193526	0. 745	0. 254	#####	Class-G	PTBP1
POLR3K. 4	#####	0. 102055	0. 548	0. 167	#####	Class-G	POLR3K
PPP2R3B. 2	#####	0. 150618	0. 236	0. 04	#####	Class-G	PPP2R3B
GPAM	#####	0. 150659	0. 152	0. 014	#####	Class-G	GPAM
MIB1. 2	#####	0. 172118	0. 289	0. 06	#####	Class-G	MIB1
FAM173A. 4	#####	0. 211177	0. 672	0. 224	#####	Class-G	FAM173A
OSBPL1A. 8	#####	0. 153475	0. 488	0. 142	#####	Class-G	OSBPL1A
ZNF205. 6	#####	0. 157138	0. 326	0. 073	#####	Class-G	ZNF205
TAF9B. 7	#####	0. 147814	0. 398	0. 103	#####	Class-G	TAF9B
LRRC42. 6	#####	0. 137073	0. 397	0. 103	#####	Class-G	LRRC42
BBX. 7	#####	0. 223084	0. 87	0. 331	#####	Class-G	BBX
SLC47A1	#####	0. 144561	0. 166	0. 018	#####	Class-G	SLC47A1
CRB2. 8	#####	0. 159577	0. 179	0. 022	#####	Class-G	CRB2
DENND5B. 9	#####	0. 159173	0. 298	0. 063	#####	Class-G	DENND5B
TPST2. 9	#####	0. 129055	0. 444	0. 122	#####	Class-G	TPST2
CSTF1. 2	#####	0. 12686	0. 369	0. 091	#####	Class-G	CSTF1
MRS2. 1	#####	0. 144135	0. 427	0. 116	#####	Class-G	MRS2
KRI1. 2	#####	0. 163922	0. 313	0. 069	#####	Class-G	KRI1
CTBP1. 4	#####	0. 159256	0. 548	0. 169	#####	Class-G	CTBP1
SOCS4	#####	0. 155224	0. 277	0. 055	#####	Class-G	SOCS4
ZNF558. 6	#####	0. 163668	0. 257	0. 048	#####	Class-G	ZNF558
ASH1L. 6	#####	0. 183167	0. 713	0. 244	#####	Class-G	ASH1L
ABHD8. 6	#####	0. 169421	0. 399	0. 103	#####	Class-G	ABHD8
AGAP1. 8	#####	0. 149938	0. 347	0. 082	#####	Class-G	AGAP1
SAMD4B. 7	#####	0. 114818	0. 552	0. 169	#####	Class-G	SAMD4B
DCAF11. 4	#####	0. 143544	0. 486	0. 142	#####	Class-G	DCAF11
CPXM1. 10	#####	0. 206107	0. 355	0. 086	#####	Class-G	CPXM1
TULP3. 6	#####	0. 173993	0. 357	0. 088	#####	Class-G	TULP3
KPNA6. 4	#####	0. 158917	0. 568	0. 18	#####	Class-G	KPNA6
STARD7. 6	#####	0. 201293	0. 722	0. 25	#####	Class-G	STARD7
RNF8. 6	#####	0. 16093	0. 44	0. 122	#####	Class-G	RNF8
STRN4. 6	#####	0. 174134	0. 353	0. 086	#####	Class-G	STRN4

GCDH. 2	#####	0.142457	0.499	0.149	#####	Class-G	GCDH
GSG1L. 8	#####	0.129929	0.215	0.033	#####	Class-G	GSG1L
THAP4. 3	#####	0.147425	0.426	0.115	#####	Class-G	THAP4
SEPHS1. 5	#####	0.143008	0.333	0.077	#####	Class-G	SEPHS1
C3orf17. 3	#####	0.126025	0.394	0.101	#####	Class-G	C3orf17
UHMK1. 5	#####	0.168685	0.511	0.153	#####	Class-G	UHMK1
PHF21A. 3	#####	0.130906	0.332	0.076	#####	Class-G	PHF21A
IDH3A. 3	#####	0.127836	0.455	0.128	#####	Class-G	IDH3A
PCDHGC3	#####	0.138836	0.183	0.023	#####	Class-G	PCDHGC3
TAB1. 1	#####	0.180495	0.249	0.046	#####	Class-G	TAB1
CCL3. 11	#####	-1.38107	0.135	0.469	#####	Class-G	CCL3
RNASEH1. 7	#####	0.140145	0.562	0.174	#####	Class-G	RNASEH1
ATP5SL. 5	#####	0.122854	0.563	0.176	#####	Class-G	ATP5SL
RAMP2. 10	#####	0.124703	0.38	0.096	#####	Class-G	RAMP2
NR2C2AP. 8	#####	0.109775	0.438	0.121	#####	Class-G	NR2C2AP
AGFG1. 4	#####	0.141263	0.371	0.092	#####	Class-G	AGFG1
ZC3H7B. 3	#####	0.129487	0.319	0.071	#####	Class-G	ZC3H7B
LAGE3. 4	#####	0.273771	0.841	0.326	#####	Class-G	LAGE3
RUFY3. 10	#####	0.181698	0.711	0.239	#####	Class-G	RUFY3
EXT2. 6	#####	0.171911	0.448	0.126	#####	Class-G	EXT2
P4HA2. 6	#####	0.154878	0.264	0.051	#####	Class-G	P4HA2
C16orf91.	#####	0.115755	0.497	0.146	#####	Class-G	C16orf91
COMMD7. 5	#####	0.278801	0.851	0.326	#####	Class-G	COMMD7
NCOA1. 7	#####	0.173397	0.428	0.118	#####	Class-G	NCOA1
FCGR3A. 11	#####	-1.4453	0.041	0.39	#####	Class-G	FCGR3A
LEO1. 5	#####	0.16823	0.393	0.103	#####	Class-G	LEO1
ARPC5L. 7	#####	0.259307	0.807	0.298	#####	Class-G	ARPC5L
EPHB4	#####	0.139939	0.136	0.011	#####	Class-G	EPHB4
GOT2. 7	#####	0.144139	0.498	0.148	#####	Class-G	GOT2
BTBD7. 2	#####	0.135567	0.386	0.099	#####	Class-G	BTBD7
PDIA5. 5	#####	0.136419	0.24	0.042	#####	Class-G	PDIA5
AC004951.	#####	0.159058	0.42	0.113	#####	Class-G	AC004951. 6
PRKCI. 2	#####	0.180484	0.311	0.069	#####	Class-G	PRKCI
UBN1. 7	#####	0.175555	0.438	0.122	#####	Class-G	UBN1
GALNT11. 7	#####	0.163686	0.555	0.173	#####	Class-G	GALNT11
MUL1. 2	#####	0.132353	0.427	0.117	#####	Class-G	MUL1
MYPOP. 2	#####	0.171707	0.263	0.051	#####	Class-G	MYPOP
SAMD8. 4	#####	0.136441	0.394	0.103	#####	Class-G	SAMD8
SIRT3. 2	#####	0.161898	0.31	0.069	#####	Class-G	SIRT3
LGALS3BP.	#####	0.235053	0.915	0.373	#####	Class-G	LGALS3BP
SEMA3A. 3	#####	0.178367	0.192	0.026	#####	Class-G	SEMA3A
TMEM178A.	#####	0.214393	0.341	0.082	#####	Class-G	TMEM178A
ZCCHC11. 5	#####	0.152475	0.579	0.183	#####	Class-G	ZCCHC11
AKT1. 3	#####	0.118591	0.401	0.105	#####	Class-G	AKT1
PAFAH1B1.	#####	0.23186	0.808	0.296	#####	Class-G	PAFAH1B1
SASH1. 7	#####	0.190303	0.239	0.042	#####	Class-G	SASH1
ATPAF1. 8	#####	0.182282	0.575	0.185	#####	Class-G	ATPAF1
EFR3A. 9	#####	0.148622	0.391	0.101	#####	Class-G	EFR3A
UBL3. 9	#####	0.226727	0.783	0.284	#####	Class-G	UBL3
IREB2. 3	#####	0.103777	0.418	0.112	#####	Class-G	IREB2
NBAS. 2	#####	0.135213	0.316	0.071	#####	Class-G	NBAS

KATNBL1.6	#####	0.124499	0.603	0.194	#####	Class-G	KATNBL1
C2orf76.2	#####	0.108451	0.434	0.12	#####	Class-G	C2orf76
FBXL17.1	#####	0.145791	0.277	0.056	#####	Class-G	FBXL17
C11orf57.	#####	0.143398	0.412	0.112	#####	Class-G	C11orf57
ABLIM1.8	#####	0.158957	0.2	0.029	#####	Class-G	ABLIM1
PGP.5	#####	0.183665	0.54	0.167	#####	Class-G	PGP
DOHH.6	#####	0.160529	0.491	0.145	#####	Class-G	DOHH
ITGB1BP1.	#####	0.167606	0.832	0.314	#####	Class-G	ITGB1BP1
RERE.9	#####	0.151515	0.523	0.159	#####	Class-G	RERE
RNF11.7	#####	0.196726	0.707	0.242	#####	Class-G	RNF11
BAD.6	#####	0.238352	0.881	0.341	#####	Class-G	BAD
RUSC1.7	#####	0.160667	0.38	0.098	#####	Class-G	RUSC1
CTNND1.3	#####	0.150974	0.532	0.163	#####	Class-G	CTNND1
CIAO1.4	#####	0.148231	0.585	0.187	#####	Class-G	CIAO1
PEF1.4	#####	0.105692	0.727	0.253	#####	Class-G	PEF1
CD53.11	#####	-1.35774	0.016	0.364	#####	Class-G	CD53
ALKBH4.8	#####	0.148967	0.499	0.149	#####	Class-G	ALKBH4
C21orf2.3	#####	0.158903	0.493	0.146	#####	Class-G	C21orf2
POGZ.8	#####	0.12248	0.524	0.159	#####	Class-G	POGZ
KATNB1.7	#####	0.17359	0.344	0.083	#####	Class-G	KATNB1
FAM134A.9	#####	0.201917	0.685	0.235	#####	Class-G	FAM134A
HUWE1.3	#####	0.141257	0.449	0.127	#####	Class-G	HUWE1
ADCK3.4	#####	0.157353	0.361	0.09	#####	Class-G	ADCK3
C6orf47.2	#####	0.152492	0.388	0.101	#####	Class-G	C6orf47
ZNF544.5	#####	0.132841	0.349	0.085	#####	Class-G	ZNF544
PEX26.2	#####	0.119757	0.332	0.077	#####	Class-G	PEX26
RAB8B.8	#####	0.124131	0.415	0.112	#####	Class-G	RAB8B
ZNF121.4	#####	0.149374	0.326	0.075	#####	Class-G	ZNF121
LSM10.1	#####	0.204883	0.862	0.339	#####	Class-G	LSM10
POLR3F.7	#####	0.146701	0.378	0.098	#####	Class-G	POLR3F
SMARCB1.9	#####	0.30186	0.874	0.339	#####	Class-G	SMARCB1
DDX54.4	#####	0.173244	0.498	0.15	#####	Class-G	DDX54
RABEP2.2	#####	0.146056	0.303	0.066	#####	Class-G	RABEP2
ALKBH7.4	#####	0.315213	0.932	0.396	#####	Class-G	ALKBH7
KIAA0319L	#####	0.134943	0.471	0.137	#####	Class-G	KIAA0319L
FAM168B.6	#####	0.141976	0.43	0.119	#####	Class-G	FAM168B
SCYL1.2	#####	0.173192	0.551	0.173	#####	Class-G	SCYL1
TINF2.4	#####	0.123463	0.594	0.192	#####	Class-G	TINF2
FPGS.5	#####	0.140175	0.405	0.108	#####	Class-G	FPGS
MGAT2.4	#####	0.146082	0.477	0.139	#####	Class-G	MGAT2
HSP90AA1.	#####	-0.37558	0.996	0.87	#####	Class-G	HSP90AA1
NEK1.7	#####	0.151775	0.357	0.089	#####	Class-G	NEK1
UBFD1.3	#####	0.168336	0.31	0.07	#####	Class-G	UBFD1
GNB1.6	#####	0.276918	0.878	0.339	#####	Class-G	GNB1
QTRTD1.2	#####	0.140697	0.283	0.059	#####	Class-G	QTRTD1
ADAMTS3	#####	0.121998	0.101	0.004	#####	Class-G	ADAMTS3
CGREF1.2	#####	0.149305	0.169	0.02	#####	Class-G	CGREF1
SUPT7L.3	#####	0.124715	0.481	0.142	#####	Class-G	SUPT7L
DOCK6	#####	0.140772	0.157	0.017	#####	Class-G	DOCK6
C1orf162.	#####	-1.38783	0.025	0.371	#####	Class-G	C1orf162
ARFIP2.6	#####	0.139814	0.585	0.188	#####	Class-G	ARFIP2

ATP13A1.4	#####	0.167915	0.425	0.118	#####	Class-G	ATP13A1
MDK.10	#####	0.310442	0.92	0.421	#####	Class-G	MDK
TMEM8A.1	#####	0.115796	0.251	0.047	#####	Class-G	TMEM8A
CDC73.4	#####	0.124068	0.481	0.141	#####	Class-G	CDC73
DPYSL4.11	#####	0.188469	0.413	0.112	#####	Class-G	DPYSL4
PDLIM1.7	#####	0.165121	0.245	0.045	#####	Class-G	PDLIM1
PRR14.5	#####	0.140712	0.502	0.151	#####	Class-G	PRR14
LRRC45.5	#####	0.157685	0.28	0.058	#####	Class-G	LRRC45
TBCD.4	#####	0.134885	0.394	0.104	#####	Class-G	TBCD
ALG12.4	#####	0.123396	0.286	0.06	#####	Class-G	ALG12
NCDN.6	#####	0.164499	0.281	0.059	#####	Class-G	NCDN
SPOP.8	#####	0.163658	0.707	0.243	#####	Class-G	SPOP
NIPA2.7	#####	0.153971	0.625	0.205	#####	Class-G	NIPA2
GTF2A1.1	#####	0.143712	0.319	0.074	#####	Class-G	GTF2A1
ZNF865	#####	0.17023	0.234	0.041	#####	Class-G	ZNF865
ATP5S.2	#####	0.10018	0.453	0.13	#####	Class-G	ATP5S
SMARCA1.8	#####	0.163147	0.445	0.126	#####	Class-G	SMARCA1
ETV2	#####	0.130977	0.17	0.02	#####	Class-G	ETV2
CDK5RAP1.	#####	0.139346	0.42	0.115	#####	Class-G	CDK5RAP1
RBM10.6	#####	0.153017	0.505	0.153	#####	Class-G	RBM10
DNMT1.9	#####	0.185145	0.664	0.224	#####	Class-G	DNMT1
SERGEF.5	#####	0.119864	0.439	0.123	#####	Class-G	SERGEF
LRRC27.3	#####	0.143747	0.272	0.055	#####	Class-G	LRRC27
SMIM12.5	#####	0.127578	0.694	0.238	#####	Class-G	SMIM12
SOBP.9	#####	0.174501	0.372	0.095	#####	Class-G	SOBP
STK32C.2	#####	0.105071	0.29	0.062	#####	Class-G	STK32C
TUBB2A.1C	#####	0.342831	0.943	0.401	#####	Class-G	TUBB2A
VPS53.5	#####	0.137604	0.421	0.116	#####	Class-G	VPS53
ATP6VOA2.	#####	0.148764	0.293	0.063	#####	Class-G	ATP6VOA2
NCOA3.5	#####	0.137511	0.355	0.088	#####	Class-G	NCOA3
MRT04.5	#####	0.119693	0.587	0.19	#####	Class-G	MRT04
SCAP.7	#####	0.169791	0.417	0.115	#####	Class-G	SCAP
TSPAN9	#####	0.132029	0.156	0.017	#####	Class-G	TSPAN9
SRSF4.7	#####	0.2331	0.796	0.288	#####	Class-G	SRSF4
SF3A1.4	#####	0.122487	0.451	0.129	#####	Class-G	SF3A1
RPUSD2.3	#####	0.141935	0.232	0.041	#####	Class-G	RPUSD2
GFER.5	#####	0.163861	0.517	0.158	#####	Class-G	GFER
DPH2.6	#####	0.141094	0.336	0.08	#####	Class-G	DPH2
EI24.8	#####	0.298165	0.904	0.356	#####	Class-G	EI24
LIN7B.7	#####	0.148605	0.348	0.085	#####	Class-G	LIN7B
SYNJ2.6	#####	0.129547	0.18	0.023	#####	Class-G	SYNJ2
SREK1.8	#####	0.146028	0.73	0.256	#####	Class-G	SREK1
PCDHB2.9	#####	0.195899	0.257	0.05	#####	Class-G	PCDHB2
BAZ2A.3	#####	0.129878	0.481	0.142	#####	Class-G	BAZ2A
IL17RE	#####	0.151955	0.167	0.02	#####	Class-G	IL17RE
TRIM27.3	#####	0.139282	0.519	0.159	#####	Class-G	TRIM27
SNCAIP.1C	#####	0.192984	0.27	0.055	#####	Class-G	SNCAIP
EXT1	#####	0.146641	0.174	0.022	#####	Class-G	EXT1
CRTC1.1	#####	0.159525	0.285	0.06	#####	Class-G	CRTC1
DNAJC16.1	#####	0.142963	0.244	0.045	#####	Class-G	DNAJC16
LHFPL3.11	#####	0.184803	0.343	0.083	#####	Class-G	LHFPL3



EBNA1BP2. #####	0.152856	0.785	0.283	##### Class-G	EBNA1BP2
ZNF493.8 #####	0.134518	0.419	0.115	##### Class-G	ZNF493
SIGIRR.8 #####	0.133813	0.491	0.148	##### Class-G	SIGIRR
ZNF720.2 #####	0.121466	0.36	0.091	##### Class-G	ZNF720
PODXL2.11 #####	0.176519	0.715	0.241	##### Class-G	PODXL2
ZNF12.8 #####	0.156864	0.351	0.087	##### Class-G	ZNF12
OGG1.4 #####	0.112427	0.403	0.108	##### Class-G	OGG1
C6orf89.3 #####	0.120714	0.538	0.168	##### Class-G	C6orf89
FO XK2.1 #####	0.132995	0.263	0.052	##### Class-G	FO XK2
ESRRA.1 #####	0.143398	0.31	0.07	##### Class-G	ESRRA
SPATA33.7 #####	0.128814	0.394	0.105	##### Class-G	SPATA33
OPTN.9 #####	0.148863	0.374	0.096	##### Class-G	OPTN
PKD2 #####	0.151663	0.264	0.053	##### Class-G	PKD2
POLD2.8 #####	0.174207	0.888	0.345	##### Class-G	POLD2
RING1.1 #####	0.154212	0.616	0.204	##### Class-G	RING1
MAPK1IP1L #####	0.171306	0.815	0.304	##### Class-G	MAPK1IP1L
C17orf62. #####	0.236228	0.788	0.3	##### Class-G	C17orf62
SFSWAP.6 #####	0.13349	0.455	0.131	##### Class-G	SFSWAP
PTS.8 #####	0.139768	0.731	0.26	##### Class-G	PTS
PHLPP1.11 #####	0.138246	0.269	0.055	##### Class-G	PHLPP1
PPME1.8 #####	0.131517	0.463	0.135	##### Class-G	PPME1
SIN3B.2 #####	0.152515	0.292	0.064	##### Class-G	SIN3B
DLAT.4 #####	0.148959	0.354	0.089	##### Class-G	DLAT
ABCE1.5 #####	0.142541	0.594	0.194	##### Class-G	ABCE1
JMJD1C.8 #####	0.182105	0.751	0.266	##### Class-G	JMJD1C
UNC119B.4 #####	0.165748	0.22	0.037	##### Class-G	UNC119B
CPNE3.7 #####	0.168924	0.74	0.263	##### Class-G	CPNE3
UBAP2L.3 #####	0.145278	0.532	0.165	##### Class-G	UBAP2L
SENP6.4 #####	0.146603	0.535	0.167	##### Class-G	SENP6
DCTD.4 #####	0.117215	0.604	0.199	##### Class-G	DCTD
CNPY4.6 #####	0.134151	0.327	0.077	##### Class-G	CNPY4
SMO.7 #####	0.159429	0.193	0.028	##### Class-G	SMO
EXOC5.4 #####	0.137907	0.459	0.134	##### Class-G	EXOC5
REPIN1.1C #####	0.197963	0.639	0.215	##### Class-G	REPIN1
FGFR3 #####	0.215408	0.135	0.012	##### Class-G	FGFR3
RP11-783K #####	0.122293	0.186	0.026	##### Class-G	RP11-783K16.5
CDC27.4 #####	0.14354	0.427	0.12	##### Class-G	CDC27
RASA1.3 #####	0.133118	0.313	0.072	##### Class-G	RASA1
LRRC47.8 #####	0.177308	0.527	0.166	##### Class-G	LRRC47
FAM189B.2 #####	0.148735	0.301	0.067	##### Class-G	FAM189B
PUM1.6 #####	0.154723	0.569	0.183	##### Class-G	PUM1
UPF1.1 #####	0.14002	0.282	0.06	##### Class-G	UPF1
GPR162.9 #####	0.149686	0.305	0.069	##### Class-G	GPR162
SGSM3.1 #####	0.14641	0.479	0.143	##### Class-G	SGSM3
C22orf29. #####	0.144029	0.221	0.037	##### Class-G	C22orf29
C1orf53.6 #####	0.133489	0.265	0.054	##### Class-G	C1orf53
DYNLT3.5 #####	0.122528	0.673	0.233	##### Class-G	DYNLT3
HELZ.3 #####	0.124906	0.491	0.148	##### Class-G	HELZ
TRAF6 #####	0.107552	0.221	0.037	##### Class-G	TRAF6
BCL9 #####	0.147173	0.186	0.026	##### Class-G	BCL9
TRAM2.1 #####	0.147168	0.184	0.025	##### Class-G	TRAM2

SPIN2B. 7	#####	0. 124973	0. 314	0. 072	#####	Class-G	SPIN2B
GOLGA8B. 4	#####	0. 136872	0. 19	0. 027	#####	Class-G	GOLGA8B
DLG4. 4	#####	0. 131236	0. 244	0. 045	#####	Class-G	DLG4
ATXN2L. 1	#####	0. 136525	0. 455	0. 132	#####	Class-G	ATXN2L
ACO2. 2	#####	0. 181338	0. 791	0. 295	#####	Class-G	ACO2
CCDC8. 5	#####	0. 165903	0. 184	0. 026	#####	Class-G	CCDC8
TCEB3. 4	#####	0. 121707	0. 452	0. 131	#####	Class-G	TCEB3
ZMAT3. 6	#####	0. 134883	0. 502	0. 153	#####	Class-G	ZMAT3
MYBBP1A. 1	#####	0. 154622	0. 261	0. 052	#####	Class-G	MYBBP1A
FAHD2A. 5	#####	0. 119503	0. 444	0. 128	#####	Class-G	FAHD2A
ZNF790. 3	#####	0. 12479	0. 289	0. 063	#####	Class-G	ZNF790
PANK3. 3	#####	0. 143229	0. 329	0. 079	#####	Class-G	PANK3
APOA1BP. 4	#####	0. 161601	0. 822	0. 302	#####	Class-G	APOA1BP
TMEM209. 4	#####	0. 152916	0. 335	0. 082	#####	Class-G	TMEM209
MAGT1. 6	#####	0. 107824	0. 504	0. 154	#####	Class-G	MAGT1
PPP1R9B. 2	#####	0. 145923	0. 301	0. 067	#####	Class-G	PPP1R9B
TIA1. 11	#####	0. 12131	0. 592	0. 192	#####	Class-G	TIA1
NOS2	#####	0. 201314	0. 115	0. 007	#####	Class-G	NOS2
SNX24. 3	#####	0. 113927	0. 354	0. 089	#####	Class-G	SNX24
NPRL3. 7	#####	0. 156617	0. 477	0. 143	#####	Class-G	NPRL3
STAG2. 3	#####	0. 101989	0. 576	0. 188	#####	Class-G	STAG2
ENKD1. 3	#####	0. 15129	0. 221	0. 038	#####	Class-G	ENKD1
SRPRB. 5	#####	0. 110544	0. 603	0. 199	#####	Class-G	SRPRB
RNF2. 3	#####	0. 127233	0. 394	0. 106	#####	Class-G	RNF2
TMEM177. 6	#####	0. 132938	0. 254	0. 05	#####	Class-G	TMEM177
FAM86B1	#####	0. 147583	0. 163	0. 02	#####	Class-G	FAM86B1
FAM98C. 3	#####	0. 126421	0. 376	0. 099	#####	Class-G	FAM98C
EIF4A1. 6	#####	-0. 34263	0. 992	0. 84	#####	Class-G	EIF4A1
EXOSC10. 3	#####	0. 127898	0. 393	0. 106	#####	Class-G	EXOSC10
ACIN1. 7	#####	0. 15125	0. 62	0. 207	#####	Class-G	ACIN1
RP3-508I1	#####	0. 274523	0. 135	0. 012	#####	Class-G	RP3-508I15. 14
SHROOM2. 9	#####	0. 164631	0. 21	0. 034	#####	Class-G	SHROOM2
DHX8. 2	#####	0. 141954	0. 318	0. 075	#####	Class-G	DHX8
YDJC. 6	#####	0. 13152	0. 389	0. 104	#####	Class-G	YDJC
CCDC71. 3	#####	0. 121284	0. 294	0. 065	#####	Class-G	CCDC71
AP3B1. 4	#####	0. 131656	0. 44	0. 126	#####	Class-G	AP3B1
ARFGEF2. 1	#####	0. 150284	0. 231	0. 042	#####	Class-G	ARFGEF2
IARS2. 1	#####	0. 141472	0. 503	0. 155	#####	Class-G	IARS2
MAP2K5. 2	#####	0. 146869	0. 289	0. 063	#####	Class-G	MAP2K5
WARS. 7	#####	0. 175325	0. 493	0. 154	#####	Class-G	WARS
N6AMT2. 7	#####	0. 117705	0. 365	0. 094	#####	Class-G	N6AMT2
B3GNT9	#####	0. 149285	0. 176	0. 023	#####	Class-G	B3GNT9
DNAJA3. 5	#####	0. 136622	0. 445	0. 129	#####	Class-G	DNAJA3
ATG9A. 8	#####	0. 147172	0. 333	0. 081	#####	Class-G	ATG9A
KLHDC2. 9	#####	0. 174839	0. 684	0. 24	#####	Class-G	KLHDC2
NME5. 6	#####	0. 133777	0. 186	0. 026	#####	Class-G	NME5
NR1H2. 9	#####	0. 114312	0. 695	0. 239	#####	Class-G	NR1H2
TIMP2. 6	#####	0. 133095	0. 742	0. 258	#####	Class-G	TIMP2
UBE2G1. 9	#####	0. 16386	0. 606	0. 201	#####	Class-G	UBE2G1
PHF20L1. 1	#####	0. 189549	0. 7	0. 244	#####	Class-G	PHF20L1
MT1F. 9	#####	0. 136591	0. 69	0. 242	#####	Class-G	MT1F

ARL8A. 9	#####	0. 137982	0. 635	0. 213	#####	Class-G	ARL8A
CD47. 6	#####	0. 230283	0. 831	0. 311	#####	Class-G	CD47
TTYH3. 8	#####	0. 155674	0. 585	0. 192	#####	Class-G	TTYH3
TRPS1. 2	#####	0. 152754	0. 349	0. 088	#####	Class-G	TRPS1
NBN. 2	#####	0. 141549	0. 394	0. 107	#####	Class-G	NBN
UBASH3B. 7	#####	0. 135242	0. 246	0. 047	#####	Class-G	UBASH3B
ELP5. 6	#####	0. 137227	0. 624	0. 209	#####	Class-G	ELP5
RNF114. 4	#####	0. 218794	0. 864	0. 341	#####	Class-G	RNF114
PLSCR4. 5	#####	0. 157192	0. 181	0. 025	#####	Class-G	PLSCR4
PHTF1. 5	#####	0. 147772	0. 341	0. 085	#####	Class-G	PHTF1
RP11-472N	#####	0. 130654	0. 315	0. 073	#####	Class-G	RP11-472N13. 3
SDAD1. 5	#####	0. 139068	0. 53	0. 168	#####	Class-G	SDAD1
NCSTN. 3	#####	0. 127874	0. 593	0. 198	#####	Class-G	NCSTN
ZYX. 10	#####	0. 290209	0. 825	0. 333	#####	Class-G	ZYX
PIAS4. 5	#####	0. 150124	0. 361	0. 094	#####	Class-G	PIAS4
SARM1. 2	#####	0. 14135	0. 218	0. 037	#####	Class-G	SARM1
OLFM2. 9	#####	0. 306668	0. 466	0. 146	#####	Class-G	OLFM2
GLRX2. 4	#####	0. 105741	0. 426	0. 12	#####	Class-G	GLRX2
CRIPT. 5	#####	0. 126132	0. 731	0. 26	#####	Class-G	CRIPT
SAMD4A. 3	#####	0. 162531	0. 269	0. 056	#####	Class-G	SAMD4A
VPS13C. 4	#####	0. 118927	0. 448	0. 13	#####	Class-G	VPS13C
RHOC. 8	#####	0. 246464	0. 97	0. 462	#####	Class-G	RHOC
WBP4. 8	#####	0. 109099	0. 692	0. 242	#####	Class-G	WBP4
WAC-AS1. 1	#####	0. 114461	0. 381	0. 101	#####	Class-G	WAC-AS1
RPTOR. 1	#####	0. 123374	0. 2	0. 031	#####	Class-G	RPTOR
CEP250. 1	#####	0. 127344	0. 233	0. 043	#####	Class-G	CEP250
ZNF462. 1C	#####	0. 155549	0. 45	0. 132	#####	Class-G	ZNF462
GGPS1. 8	#####	0. 114028	0. 717	0. 252	#####	Class-G	GGPS1
PLCE1. 8	#####	0. 151299	0. 223	0. 039	#####	Class-G	PLCE1
ZNF814. 6	#####	0. 122377	0. 345	0. 086	#####	Class-G	ZNF814
ALKBH8. 1	#####	0. 151822	0. 181	0. 025	#####	Class-G	ALKBH8
CSPG5. 10	#####	0. 29867	0. 31	0. 075	#####	Class-G	CSPG5
AAGAB. 3	#####	0. 113703	0. 329	0. 08	#####	Class-G	AAGAB
DPH6. 2	#####	0. 11605	0. 296	0. 066	#####	Class-G	DPH6
ECE1. 6	#####	0. 127981	0. 256	0. 051	#####	Class-G	ECE1
RUNX1. 10	#####	0. 122603	0. 477	0. 143	#####	Class-G	RUNX1
MS4A7. 11	#####	-1. 39289	0. 047	0. 378	#####	Class-G	MS4A7
AASS. 7	#####	0. 195565	0. 327	0. 08	#####	Class-G	AASS
SMAGP. 3	#####	0. 135624	0. 267	0. 056	#####	Class-G	SMAGP
LLGL1. 8	#####	0. 13895	0. 298	0. 067	#####	Class-G	LLGL1
MTFMT. 4	#####	0. 111544	0. 299	0. 068	#####	Class-G	MTFMT
ZC3H14. 6	#####	0. 10357	0. 5	0. 154	#####	Class-G	ZC3H14
ZNF428. 11	#####	0. 384627	0. 985	0. 473	#####	Class-G	ZNF428
RORA. 6	#####	0. 169016	0. 244	0. 047	#####	Class-G	RORA
SIKE1. 3	#####	0. 118494	0. 471	0. 142	#####	Class-G	SIKE1
FAM50A. 5	#####	0. 2458	0. 809	0. 302	#####	Class-G	FAM50A
OSBP. 1	#####	0. 145579	0. 279	0. 06	#####	Class-G	OSBP
FAM98B. 5	#####	0. 142269	0. 288	0. 064	#####	Class-G	FAM98B
TCTN3. 3	#####	0. 101638	0. 386	0. 104	#####	Class-G	TCTN3
BMPR2. 8	#####	0. 147936	0. 452	0. 133	#####	Class-G	BMPR2
SAMD10. 6	#####	0. 165714	0. 204	0. 033	#####	Class-G	SAMD10

C20orf24.	#####	0.344144	0.91	0.395	#####	Class-G	C20orf24
PRCC.6	#####	0.141386	0.686	0.241	#####	Class-G	PRCC
SSRP1.9	#####	0.235379	0.774	0.286	#####	Class-G	SSRP1
POLR1E.4	#####	0.135679	0.322	0.078	#####	Class-G	POLR1E
PLCB1.8	#####	0.155322	0.256	0.051	#####	Class-G	PLCB1
ILF3.7	#####	0.249505	0.866	0.337	#####	Class-G	ILF3
NOC2L.9	#####	0.14737	0.705	0.249	#####	Class-G	NOC2L
COPZ2.4	#####	0.123322	0.199	0.031	#####	Class-G	COPZ2
DNAAF2.1C	#####	0.133414	0.443	0.129	#####	Class-G	DNAAF2
ARL4C.9	#####	0.293637	0.78	0.313	#####	Class-G	ARL4C
SMARCAD1.	#####	0.14489	0.313	0.073	#####	Class-G	SMARCAD1
PAK4.5	#####	0.161037	0.329	0.081	#####	Class-G	PAK4
DNAJB2.9	#####	0.161823	0.707	0.25	#####	Class-G	DNAJB2
AVL9	#####	0.122219	0.33	0.08	#####	Class-G	AVL9
SMC5.3	#####	0.151278	0.454	0.135	#####	Class-G	SMC5
TMUB1.4	#####	0.175958	0.617	0.209	#####	Class-G	TMUB1
ITCH.3	#####	0.113094	0.316	0.075	#####	Class-G	ITCH
STARD4-AS	#####	0.196851	0.352	0.09	#####	Class-G	STARD4-AS1
OCEL1.5	#####	0.101799	0.411	0.115	#####	Class-G	OCEL1
CBR4.8	#####	0.126625	0.471	0.142	#####	Class-G	CBR4
PARD6A.6	#####	0.146156	0.286	0.063	#####	Class-G	PARD6A
TOP2B.10	#####	0.146582	0.565	0.183	#####	Class-G	TOP2B
TBC1D23	#####	0.129769	0.403	0.112	#####	Class-G	TBC1D23
ZNF688.1	#####	0.119927	0.448	0.131	#####	Class-G	ZNF688
GMPS.5	#####	0.136473	0.463	0.139	#####	Class-G	GMPS
NXT1.6	#####	0.184819	0.71	0.252	#####	Class-G	NXT1
PSMD5-AS1	#####	0.13511	0.457	0.137	#####	Class-G	PSMD5-AS1
EMC1.3	#####	0.142114	0.36	0.094	#####	Class-G	EMC1
TIMM13.4	#####	0.280356	0.988	0.526	#####	Class-G	TIMM13
BIVM.7	#####	0.154031	0.318	0.076	#####	Class-G	BIVM
PIGW.1	#####	0.142186	0.214	0.037	#####	Class-G	PIGW
PRKRA.6	#####	0.170017	0.785	0.291	#####	Class-G	PRKRA
ACAA1.4	#####	0.199651	0.768	0.281	#####	Class-G	ACAA1
ZNF649.8	#####	0.151638	0.275	0.059	#####	Class-G	ZNF649
MYO9B.7	#####	0.12681	0.625	0.211	#####	Class-G	MYO9B
GRAMD1C	#####	0.162274	0.139	0.014	#####	Class-G	GRAMD1C
FGF14-AS2	#####	0.132405	0.19	0.029	#####	Class-G	FGF14-AS2
CREB3.2	#####	0.123212	0.638	0.218	#####	Class-G	CREB3
ABCA3.7	#####	0.167001	0.246	0.048	#####	Class-G	ABCA3
RASSF8-AS	#####	0.11441	0.417	0.118	#####	Class-G	RASSF8-AS1
SLC20A2.5	#####	0.157066	0.321	0.078	#####	Class-G	SLC20A2
LRP5.4	#####	0.154508	0.189	0.028	#####	Class-G	LRP5
NELFA.6	#####	0.120865	0.377	0.101	#####	Class-G	NELFA
ARHGEF3.2	#####	0.120475	0.309	0.073	#####	Class-G	ARHGEF3
IGSF11.7	#####	0.158329	0.226	0.041	#####	Class-G	IGSF11
ITGB2.11	#####	-1.30403	0.042	0.37	#####	Class-G	ITGB2
DDX41.5	#####	0.135894	0.572	0.189	#####	Class-G	DDX41
SLC36A4.6	#####	0.137596	0.48	0.146	#####	Class-G	SLC36A4
FAM118B.6	#####	0.130476	0.388	0.107	#####	Class-G	FAM118B
SMC6.8	#####	0.159512	0.408	0.116	#####	Class-G	SMC6
LINC00526	#####	0.111464	0.254	0.051	#####	Class-G	LINC00526

ZNF292.8	#####	0.163403	0.612	0.207	#####	Class-G	ZNF292
ZBTB4.3	#####	0.112552	0.331	0.082	#####	Class-G	ZBTB4
PRADC1.8	#####	0.172487	0.52	0.167	#####	Class-G	PRADC1
ZDHH8	#####	0.181495	0.204	0.034	#####	Class-G	ZDHH8
CBR3.6	#####	0.159839	0.306	0.073	#####	Class-G	CBR3
NRBP1.2	#####	0.153271	0.751	0.273	#####	Class-G	NRBP1
DCBLD1.4	#####	0.158242	0.271	0.058	#####	Class-G	DCBLD1
MAGI3.3	#####	0.151822	0.199	0.032	#####	Class-G	MAGI3
GALE.3	#####	0.124188	0.408	0.115	#####	Class-G	GALE
TATDN1.3	#####	0.144712	0.559	0.184	#####	Class-G	TATDN1
CCDC92.6	#####	0.133246	0.3	0.069	#####	Class-G	CCDC92
RAB40C.2	#####	0.140597	0.253	0.051	#####	Class-G	RAB40C
HLTF.9	#####	0.124918	0.442	0.129	#####	Class-G	HLTF
PNMA2.9	#####	0.156995	0.373	0.101	#####	Class-G	PNMA2
MPP6.7	#####	0.160187	0.238	0.046	#####	Class-G	MPP6
CDK12.2	#####	0.130758	0.426	0.123	#####	Class-G	CDK12
ACYP1.6	#####	0.108258	0.449	0.132	#####	Class-G	ACYP1
PCM1.7	#####	0.180637	0.72	0.259	#####	Class-G	PCM1
PPP2R5E.8	#####	0.169915	0.582	0.192	#####	Class-G	PPP2R5E
BAZ1B.10	#####	0.190937	0.678	0.236	#####	Class-G	BAZ1B
ZNF91.8	#####	0.12679	0.511	0.16	#####	Class-G	ZNF91
DDX17.6	#####	0.278878	0.864	0.352	#####	Class-G	DDX17
HLA-DQB1.	#####	-1.35205	0.045	0.371	#####	Class-G	HLA-DQB1
AAR2.4	#####	0.131283	0.369	0.099	#####	Class-G	AAR2
MSANTD3.6	#####	0.144731	0.269	0.057	#####	Class-G	MSANTD3
PPP1R12A.	#####	0.18993	0.775	0.291	#####	Class-G	PPP1R12A
PPP3CA.4	#####	0.191365	0.571	0.193	#####	Class-G	PPP3CA
ANP32E.9	#####	0.136405	0.623	0.209	#####	Class-G	ANP32E
DLG5.6	#####	0.154224	0.245	0.049	#####	Class-G	DLG5
KLC2.8	#####	0.169073	0.338	0.086	#####	Class-G	KLC2
CFL1.6	#####	-0.3505	0.999	0.942	#####	Class-G	CFL1
GPR37L1.1	#####	0.356791	0.258	0.056	#####	Class-G	GPR37L1
MAK16.3	#####	0.137848	0.28	0.062	#####	Class-G	MAK16
TRADD.6	#####	0.114669	0.432	0.125	#####	Class-G	TRADD
UBE2G2.1	#####	0.111009	0.61	0.205	#####	Class-G	UBE2G2
PLOD3.8	#####	0.137399	0.524	0.168	#####	Class-G	PLOD3
TBC1D10B.	#####	0.146031	0.295	0.068	#####	Class-G	TBC1D10B
GRSF1.6	#####	0.199903	0.712	0.259	#####	Class-G	GRSF1
NPEPL1.2	#####	0.156609	0.306	0.073	#####	Class-G	NPEPL1
NAV1.7	#####	0.169317	0.418	0.121	#####	Class-G	NAV1
PHF10.2	#####	0.140393	0.26	0.054	#####	Class-G	PHF10
GLO1.8	#####	0.193211	0.865	0.336	#####	Class-G	GLO1
FAM126A.4	#####	0.13121	0.367	0.099	#####	Class-G	FAM126A
BECN1.5	#####	0.103579	0.549	0.178	#####	Class-G	BECN1
PSPH.10	#####	0.165531	0.406	0.116	#####	Class-G	PSPH
TRIOBP.4	#####	0.1346	0.272	0.059	#####	Class-G	TRIOBP
MAP7D1.8	#####	0.196516	0.762	0.278	#####	Class-G	MAP7D1
LY86.11	#####	-1.31031	0.013	0.338	#####	Class-G	LY86
TBL1XR1.7	#####	0.153343	0.583	0.193	#####	Class-G	TBL1XR1
TMEM184C.	#####	0.128042	0.298	0.069	#####	Class-G	TMEM184C
ZNF880.5	#####	0.121144	0.385	0.106	#####	Class-G	ZNF880

BROX. 7	#####	0.139862	0.556	0.182	#####	Class-G	BROX
TDG. 7	#####	0.122061	0.63	0.215	#####	Class-G	TDG
PTPRF. 9	#####	0.136401	0.326	0.081	#####	Class-G	PTPRF
LRRC14	#####	0.140797	0.243	0.048	#####	Class-G	LRRC14
C16orf72.	#####	0.100565	0.352	0.091	#####	Class-G	C16orf72
SLC39A9. 1	#####	0.130089	0.286	0.064	#####	Class-G	SLC39A9
PEX11A. 1	#####	0.115608	0.204	0.034	#####	Class-G	PEX11A
NEO1. 7	#####	0.124942	0.237	0.046	#####	Class-G	NEO1
NTAN1. 8	#####	0.117128	0.491	0.152	#####	Class-G	NTAN1
FDPS. 6	#####	0.199294	0.856	0.344	#####	Class-G	FDPS
CISD3. 10	#####	0.105689	0.597	0.198	#####	Class-G	CISD3
NFYB. 5	#####	0.114564	0.458	0.139	#####	Class-G	NFYB
SURF4. 3	#####	0.190146	0.77	0.282	#####	Class-G	SURF4
SLC35F5. 4	#####	0.124343	0.374	0.101	#####	Class-G	SLC35F5
TSC2. 7	#####	0.132988	0.366	0.098	#####	Class-G	TSC2
SMIM15. 3	#####	0.129296	0.737	0.266	#####	Class-G	SMIM15
VRK3. 7	#####	0.104236	0.523	0.168	#####	Class-G	VRK3
AHSA2. 3	#####	0.111832	0.343	0.088	#####	Class-G	AHSA2
NOTCH1. 5	#####	0.183267	0.315	0.077	#####	Class-G	NOTCH1
NPNT. 1	#####	0.190992	0.136	0.013	#####	Class-G	NPNT
ZKSCAN1. 1	#####	0.144372	0.708	0.253	#####	Class-G	ZKSCAN1
XPO6. 2	#####	0.121066	0.326	0.081	#####	Class-G	XPO6
FMN2. 8	#####	0.164266	0.228	0.043	#####	Class-G	FMN2
VAMP8. 11	#####	-1.37332	0.069	0.388	#####	Class-G	VAMP8
BDNF-AS. 8	#####	0.134964	0.218	0.039	#####	Class-G	BDNF-AS
GPT2. 9	#####	0.15007	0.388	0.108	#####	Class-G	GPT2
KDM4B. 7	#####	0.143355	0.358	0.095	#####	Class-G	KDM4B
CCDC94. 2	#####	0.108667	0.41	0.117	#####	Class-G	CCDC94
APP. 10	#####	0.333198	0.976	0.451	#####	Class-G	APP
PPAN. 2	#####	0.11781	0.423	0.122	#####	Class-G	PPAN
ARMC10. 7	#####	0.198746	0.672	0.235	#####	Class-G	ARMC10
GPANK1. 5	#####	0.118482	0.476	0.147	#####	Class-G	GPANK1
POGK. 5	#####	0.144232	0.354	0.093	#####	Class-G	POGK
SLC5A6. 3	#####	0.135975	0.307	0.074	#####	Class-G	SLC5A6
SMAD2. 1	#####	0.102665	0.47	0.143	#####	Class-G	SMAD2
TMED3. 8	#####	0.144116	0.691	0.245	#####	Class-G	TMED3
RELB. 6	#####	0.142698	0.286	0.065	#####	Class-G	RELB
SP1. 1	#####	0.135897	0.249	0.051	#####	Class-G	SP1
ERAP2. 3	#####	0.134756	0.25	0.051	#####	Class-G	ERAP2
RNF111. 5	#####	0.120411	0.255	0.053	#####	Class-G	RNF111
SERPINA1.	#####	-1.25749	0.022	0.345	#####	Class-G	SERPINA1
CLN5. 4	#####	0.104127	0.531	0.17	#####	Class-G	CLN5
HARS. 6	#####	0.127078	0.642	0.222	#####	Class-G	HARS
FNBP4. 5	#####	0.148108	0.588	0.197	#####	Class-G	FNBP4
ACO04158.	#####	0.141878	0.34	0.087	#####	Class-G	ACO04158. 3
UBA1. 4	#####	0.168702	0.747	0.275	#####	Class-G	UBA1
TCHP. 4	#####	0.152198	0.316	0.078	#####	Class-G	TCHP
OTUD5. 3	#####	0.103285	0.364	0.097	#####	Class-G	OTUD5
CLUH. 1	#####	0.120173	0.229	0.043	#####	Class-G	CLUH
SMYD2. 4	#####	0.193033	0.371	0.103	#####	Class-G	SMYD2
RRP1B. 7	#####	0.157016	0.403	0.115	#####	Class-G	RRP1B

ZNHIT2.3	#####	0.129083	0.263	0.056	#####	Class-G	ZNHIT2
ZNF224.3	#####	0.105794	0.303	0.072	#####	Class-G	ZNF224
HNRNPUL2.	#####	0.121915	0.418	0.121	#####	Class-G	HNRNPUL2
LRRC41.2	#####	0.114888	0.564	0.188	#####	Class-G	LRRC41
PRR4.10	#####	0.129433	0.52	0.167	#####	Class-G	PRR4
FAM86C1	#####	0.117913	0.163	0.021	#####	Class-G	FAM86C1
REX01.2	#####	0.138955	0.23	0.043	#####	Class-G	REX01
FPR1.11	#####	-1.30779	0.008	0.33	#####	Class-G	FPR1
ZNF287	#####	0.113067	0.198	0.032	#####	Class-G	ZNF287
SOS2.4	#####	0.133207	0.258	0.054	#####	Class-G	SOS2
TPD52L2.8	#####	0.154744	0.722	0.259	#####	Class-G	TPD52L2
MKL2.6	#####	0.129942	0.246	0.049	#####	Class-G	MKL2
NSRP1.3	#####	0.12943	0.774	0.288	#####	Class-G	NSRP1
ZNF234.1	#####	0.144067	0.2	0.033	#####	Class-G	ZNF234
XPO1.3	#####	0.141488	0.598	0.203	#####	Class-G	XPO1
YRDC.6	#####	0.141131	0.414	0.119	#####	Class-G	YRDC
CLINT1.3	#####	0.13467	0.487	0.154	#####	Class-G	CLINT1
ATAT1.11	#####	0.10708	0.662	0.228	#####	Class-G	ATAT1
ARHGEF4.7	#####	0.122076	0.195	0.031	#####	Class-G	ARHGEF4
HLA-DMB.1	#####	-1.35124	0.045	0.365	#####	Class-G	HLA-DMB
C8orf33.7	#####	0.164785	0.708	0.255	#####	Class-G	C8orf33
LMNA.7	#####	0.246335	0.874	0.341	#####	Class-G	LMNA
HLA-DQA1.	#####	-1.41134	0.031	0.351	#####	Class-G	HLA-DQA1
C7orf55.9	#####	0.171059	0.894	0.346	#####	Class-G	C7orf55
SCAND1.8	#####	0.348749	0.959	0.507	#####	Class-G	SCAND1
ZFP91.2	#####	0.138083	0.364	0.098	#####	Class-G	ZFP91
GRIA2.10	#####	0.175256	0.509	0.163	#####	Class-G	GRIA2
FAM76B.3	#####	0.133629	0.318	0.078	#####	Class-G	FAM76B
SLC39A7.5	#####	0.150834	0.683	0.243	#####	Class-G	SLC39A7
TFE3.3	#####	0.10048	0.327	0.082	#####	Class-G	TFE3
MYL6B.10	#####	0.233523	0.902	0.367	#####	Class-G	MYL6B
TBCK.4	#####	0.119922	0.253	0.052	#####	Class-G	TBCK
SOX5.9	#####	0.151124	0.27	0.059	#####	Class-G	SOX5
CTA-445C9	#####	0.159403	0.2	0.033	#####	Class-G	CTA-445C9.14
SEC31A.1	#####	0.124316	0.541	0.176	#####	Class-G	SEC31A
GPR180.1	#####	0.134154	0.257	0.054	#####	Class-G	GPR180
DHX29.8	#####	0.119993	0.694	0.247	#####	Class-G	DHX29
HSPA14.4	#####	0.118726	0.376	0.103	#####	Class-G	HSPA14
IGSF8.8	#####	0.132036	0.51	0.164	#####	Class-G	IGSF8
ZNF75A.9	#####	0.108089	0.516	0.165	#####	Class-G	ZNF75A
MPV17L.2	#####	0.142631	0.237	0.047	#####	Class-G	MPV17L
THRB.1	#####	0.114735	0.16	0.02	#####	Class-G	THRB
PSAT1.10	#####	0.177899	0.486	0.157	#####	Class-G	PSAT1
CSE1L.8	#####	0.150915	0.529	0.172	#####	Class-G	CSE1L
STK32B.5	#####	0.153793	0.211	0.037	#####	Class-G	STK32B
EHMT2.9	#####	0.132434	0.489	0.153	#####	Class-G	EHMT2
DGCR2.6	#####	0.131021	0.395	0.112	#####	Class-G	DGCR2
FAHD1.5	#####	0.117336	0.442	0.132	#####	Class-G	FAHD1
DGAT1.3	#####	0.118025	0.268	0.058	#####	Class-G	DGAT1
HCLS1.11	#####	-1.23568	0.016	0.335	#####	Class-G	HCLS1
KPNA4.5	#####	0.135308	0.45	0.136	#####	Class-G	KPNA4

UBTD2.7	#####	0.137869	0.304	0.073	#####	Class-G	UBTD2
PRMT6.4	#####	0.123425	0.277	0.062	#####	Class-G	PRMT6
DPY19L4.4	#####	0.131504	0.279	0.063	#####	Class-G	DPY19L4
SNAI2.5	#####	0.159747	0.158	0.02	#####	Class-G	SNAI2
CD37.11	#####	-1.28775	0.027	0.346	#####	Class-G	CD37
CUL3.7	#####	0.124057	0.489	0.153	#####	Class-G	CUL3
ZDHHC16.3	#####	0.141171	0.304	0.073	#####	Class-G	ZDHHC16
VAC14.2	#####	0.141078	0.374	0.103	#####	Class-G	VAC14
SLC4A1AP.	#####	0.132431	0.44	0.133	#####	Class-G	SLC4A1AP
HMGXB4.4	#####	0.120937	0.53	0.172	#####	Class-G	HMGXB4
RP11-262H	#####	0.142917	0.33	0.084	#####	Class-G	RP11-262H14.4
ZFP36.8	#####	-1.07863	0.369	0.606	#####	Class-G	ZFP36
TMEM104.2	#####	0.118984	0.21	0.037	#####	Class-G	TMEM104
PIAS2	#####	0.120549	0.346	0.091	#####	Class-G	PIAS2
CCNK.2	#####	0.101505	0.341	0.088	#####	Class-G	CCNK
MBD1.2	#####	0.12176	0.395	0.112	#####	Class-G	MBD1
DPM2.3	#####	0.116338	0.756	0.279	#####	Class-G	DPM2
SAP30BP.3	#####	0.11826	0.779	0.293	#####	Class-G	SAP30BP
MAPK7.7	#####	0.135982	0.342	0.089	#####	Class-G	MAPK7
TMEM64.4	#####	0.147037	0.216	0.039	#####	Class-G	TMEM64
TAF15.7	#####	0.122536	0.624	0.216	#####	Class-G	TAF15
HKR1.9	#####	0.11946	0.326	0.082	#####	Class-G	HKR1
STK35	#####	0.131989	0.189	0.03	#####	Class-G	STK35
TXNRD1.5	#####	0.14864	0.555	0.186	#####	Class-G	TXNRD1
MRM1	#####	0.117138	0.144	0.016	#####	Class-G	MRM1
RFX1.4	#####	0.131248	0.272	0.061	#####	Class-G	RFX1
PHF20.5	#####	0.118211	0.711	0.256	#####	Class-G	PHF20
CEP85L.6	#####	0.138498	0.319	0.079	#####	Class-G	CEP85L
GTPBP4.2	#####	0.107603	0.512	0.164	#####	Class-G	GTPBP4
CHID1.5	#####	0.169183	0.886	0.363	#####	Class-G	CHID1
SH3GLB2.5	#####	0.128471	0.328	0.084	#####	Class-G	SH3GLB2
RANBP9.3	#####	0.121352	0.393	0.111	#####	Class-G	RANBP9
NACA.5	#####	-0.38546	0.998	0.913	#####	Class-G	NACA
RP11-5301	#####	0.133611	0.155	0.019	#####	Class-G	RP11-53019.1
SS18L1.5	#####	0.151354	0.271	0.06	#####	Class-G	SS18L1
DPP9.3	#####	0.143523	0.347	0.093	#####	Class-G	DPP9
GOLGA5.2	#####	0.122525	0.387	0.109	#####	Class-G	GOLGA5
WDR26.3	#####	0.128911	0.411	0.119	#####	Class-G	WDR26
ATP2A2.6	#####	0.126693	0.634	0.221	#####	Class-G	ATP2A2
MFSD5.2	#####	0.119693	0.318	0.079	#####	Class-G	MFSD5
CCDC157.2	#####	0.126918	0.194	0.032	#####	Class-G	CCDC157
ZYG11B.6	#####	0.138466	0.388	0.11	#####	Class-G	ZYG11B
ZNF227.5	#####	0.142356	0.289	0.068	#####	Class-G	ZNF227
DNM1L.6	#####	0.132356	0.545	0.181	#####	Class-G	DNM1L
CBL.3	#####	0.131624	0.298	0.071	#####	Class-G	CBL
VEZF1.10	#####	0.166851	0.552	0.186	#####	Class-G	VEZF1
NAA50.4	#####	0.114904	0.623	0.215	#####	Class-G	NAA50
ZNF429.9	#####	0.109851	0.351	0.093	#####	Class-G	ZNF429
MED25.2	#####	0.138117	0.338	0.088	#####	Class-G	MED25
AEBP2.2	#####	0.144338	0.26	0.056	#####	Class-G	AEBP2
GBA2.3	#####	0.138432	0.262	0.057	#####	Class-G	GBA2



HIP1. 8	#####	0. 108708	0. 425	0. 126	#####	Class-G	HIP1
RPAP2. 7	#####	0. 13406	0. 457	0. 14	#####	Class-G	RPAP2
PROSC. 2	#####	0. 128977	0. 583	0. 198	#####	Class-G	PROSC
DGCR14. 1	#####	0. 125358	0. 332	0. 085	#####	Class-G	DGCR14
EEF2K. 2	#####	0. 10515	0. 174	0. 025	#####	Class-G	EEF2K
ALKBH6. 3	#####	0. 136072	0. 302	0. 073	#####	Class-G	ALKBH6
NIFK. 7	#####	0. 125179	0. 753	0. 282	#####	Class-G	NIFK
KDM4A. 4	#####	0. 139599	0. 317	0. 079	#####	Class-G	KDM4A
RBM17. 5	#####	0. 203715	0. 791	0. 3	#####	Class-G	RBM17
YPEL1. 9	#####	0. 154359	0. 277	0. 064	#####	Class-G	YPEL1
RAI1. 4	#####	0. 132832	0. 222	0. 042	#####	Class-G	RAI1
MPC1. 7	#####	0. 21779	0. 94	0. 414	#####	Class-G	MPC1
CXADR. 10	#####	0. 160142	0. 683	0. 246	#####	Class-G	CXADR
TM9SF3. 6	#####	0. 108994	0. 524	0. 17	#####	Class-G	TM9SF3
MNT. 1	#####	0. 117772	0. 276	0. 062	#####	Class-G	MNT
GPR183. 11	#####	-1. 3153	0. 019	0. 334	#####	Class-G	GPR183
STK36	#####	0. 131052	0. 18	0. 027	#####	Class-G	STK36
MYO1E. 3	#####	0. 118991	0. 223	0. 042	#####	Class-G	MYO1E
RIC8A. 6	#####	0. 126435	0. 644	0. 227	#####	Class-G	RIC8A
TEX261. 5	#####	0. 12325	0. 421	0. 124	#####	Class-G	TEX261
STT3B. 3	#####	0. 101118	0. 494	0. 157	#####	Class-G	STT3B
FBXW5. 8	#####	0. 166341	0. 646	0. 229	#####	Class-G	FBXW5
PDPK1. 6	#####	0. 134376	0. 46	0. 143	#####	Class-G	PDPK1
PPP6R2. 4	#####	0. 11624	0. 39	0. 11	#####	Class-G	PPP6R2
RP11-314A	#####	0. 113973	0. 124	0. 011	#####	Class-G	RP11-314A20. 2
SYBU. 9	#####	0. 175443	0. 263	0. 058	#####	Class-G	SYBU
RBBP6. 6	#####	0. 14817	0. 699	0. 25	#####	Class-G	RBBP6
GTF3C4. 3	#####	0. 149734	0. 22	0. 041	#####	Class-G	GTF3C4
ITPKC. 1	#####	0. 133946	0. 18	0. 027	#####	Class-G	ITPKC
SLC39A10.	#####	0. 13293	0. 403	0. 117	#####	Class-G	SLC39A10
PLAGL2. 1	#####	0. 115554	0. 202	0. 035	#####	Class-G	PLAGL2
ATP13A2. 5	#####	0. 142853	0. 371	0. 102	#####	Class-G	ATP13A2
KIF1C. 2	#####	0. 123094	0. 257	0. 055	#####	Class-G	KIF1C
YKT6. 7	#####	0. 135269	0. 557	0. 187	#####	Class-G	YKT6
RAB3D. 2	#####	0. 114912	0. 238	0. 048	#####	Class-G	RAB3D
C20orf194	#####	0. 119352	0. 36	0. 098	#####	Class-G	C20orf194
PDE8A. 5	#####	0. 115646	0. 269	0. 06	#####	Class-G	PDE8A
ZNF334. 7	#####	0. 138876	0. 233	0. 046	#####	Class-G	ZNF334
RBM12. 2	#####	0. 116527	0. 336	0. 088	#####	Class-G	RBM12
TOP1MT. 5	#####	0. 141165	0. 235	0. 047	#####	Class-G	TOP1MT
CHD1. 8	#####	0. 147495	0. 655	0. 234	#####	Class-G	CHD1
C1R. 11	#####	-0. 26534	0. 523	0. 165	#####	Class-G	C1R
PPM1G. 10	#####	0. 283964	0. 864	0. 346	#####	Class-G	PPM1G
TMEM99. 6	#####	0. 121467	0. 345	0. 092	#####	Class-G	TMEM99
RP4-639F2	#####	0. 13326	0. 159	0. 021	#####	Class-G	RP4-639F20. 1
MS4A4A. 11	#####	-1. 30202	0. 018	0. 33	#####	Class-G	MS4A4A
ZNF800. 6	#####	0. 136782	0. 45	0. 138	#####	Class-G	ZNF800
AKIRIN1. 7	#####	0. 205056	0. 792	0. 299	#####	Class-G	AKIRIN1
KDM5C. 3	#####	0. 103566	0. 307	0. 075	#####	Class-G	KDM5C
CRTC3. 4	#####	0. 127193	0. 322	0. 082	#####	Class-G	CRTC3
TP53BP2. 2	#####	0. 136751	0. 298	0. 072	#####	Class-G	TP53BP2

DCAF16.6	#####	0.129427	0.328	0.085	#####	Class-G	DCAF16
OPA1.3	#####	0.118215	0.352	0.094	#####	Class-G	OPA1
ITPR2.9	#####	0.122667	0.353	0.095	#####	Class-G	ITPR2
EARS2.1	#####	0.127485	0.195	0.033	#####	Class-G	EARS2
ZNF587.3	#####	0.156017	0.255	0.055	#####	Class-G	ZNF587
MED1.3	#####	0.131212	0.327	0.084	#####	Class-G	MED1
PNPLA6.5	#####	0.10776	0.421	0.125	#####	Class-G	PNPLA6
PNN.8	#####	0.184376	0.844	0.329	#####	Class-G	PNN
CEP350.2	#####	0.122645	0.47	0.147	#####	Class-G	CEP350
TYK2.2	#####	0.118404	0.331	0.086	#####	Class-G	TYK2
ATP11A.5	#####	0.128344	0.284	0.066	#####	Class-G	ATP11A
FAIM.6	#####	0.110012	0.381	0.108	#####	Class-G	FAIM
PLEKHF1.4	#####	0.146734	0.166	0.023	#####	Class-G	PLEKHF1
SLAIN2.5	#####	0.132205	0.367	0.101	#####	Class-G	SLAIN2
GSPT2.9	#####	0.137597	0.388	0.11	#####	Class-G	GSPT2
CRKL.3	#####	0.139944	0.332	0.087	#####	Class-G	CRKL
CLCN7.3	#####	0.13961	0.397	0.115	#####	Class-G	CLCN7
INTS2.1	#####	0.124641	0.19	0.031	#####	Class-G	INTS2
ZDHHC23	#####	0.15084	0.11	0.008	#####	Class-G	ZDHHC23
PTK2B.8	#####	0.104446	0.344	0.091	#####	Class-G	PTK2B
FAM69A.3	#####	0.128907	0.204	0.036	#####	Class-G	FAM69A
UBR5.1	#####	0.116095	0.355	0.097	#####	Class-G	UBR5
STEAP3.7	#####	0.130829	0.406	0.121	#####	Class-G	STEAP3
RP11-294J	#####	0.15976	0.357	0.098	#####	Class-G	RP11-294J22.6
C7orf49.5	#####	0.107119	0.497	0.16	#####	Class-G	C7orf49
LRCH3.8	#####	0.116039	0.365	0.101	#####	Class-G	LRCH3
COX10.1	#####	0.113368	0.216	0.04	#####	Class-G	COX10
GTF2I.10	#####	0.233384	0.896	0.35	#####	Class-G	GTF2I
SDF2L1.7	#####	0.168859	0.775	0.292	#####	Class-G	SDF2L1
ERI3.7	#####	0.151879	0.797	0.298	#####	Class-G	ERI3
VAV2.2	#####	0.132626	0.182	0.029	#####	Class-G	VAV2
ELAVL3.11	#####	0.140006	0.7	0.247	#####	Class-G	ELAVL3
MARC1.9	#####	0.15329	0.202	0.035	#####	Class-G	1-Mar
SLC9A3R1.	#####	0.120147	0.388	0.111	#####	Class-G	SLC9A3R1
ZNF721.3	#####	0.100446	0.386	0.11	#####	Class-G	ZNF721
EIF2AK1.8	#####	0.177777	0.729	0.267	#####	Class-G	EIF2AK1
UCK2.3	#####	0.125129	0.263	0.058	#####	Class-G	UCK2
B9D2.2	#####	0.106551	0.253	0.055	#####	Class-G	B9D2
EP400.3	#####	0.128052	0.323	0.083	#####	Class-G	EP400
YIF1B.4	#####	0.111137	0.731	0.268	#####	Class-G	YIF1B
HCG18.7	#####	0.121204	0.315	0.08	#####	Class-G	HCG18
FAM131A.4	#####	0.141155	0.341	0.091	#####	Class-G	FAM131A
MAP2K7.5	#####	0.117273	0.476	0.15	#####	Class-G	MAP2K7
FAM120AOS	#####	0.11894	0.455	0.142	#####	Class-G	FAM120AOS
ARHGAP32.	#####	0.167199	0.256	0.056	#####	Class-G	ARHGAP32
CDK14.7	#####	0.164303	0.243	0.051	#####	Class-G	CDK14
OSGIN2	#####	0.133416	0.216	0.041	#####	Class-G	OSGIN2
ZNF606.3	#####	0.131617	0.25	0.054	#####	Class-G	ZNF606
PSMC1.6	#####	0.108583	0.817	0.314	#####	Class-G	PSMC1
CRCP.6	#####	0.113011	0.448	0.138	#####	Class-G	CRCP
TACC1.8	#####	0.137949	0.688	0.252	#####	Class-G	TACC1

UBE2Z. 3	#####	0.108383	0.438	0.133	#####	Class-G	UBE2Z
POU3F3.1C	#####	0.159127	0.395	0.115	#####	Class-G	POU3F3
TPM4. 9	#####	0.316904	0.916	0.429	#####	Class-G	TPM4
PARD3B	#####	0.131614	0.132	0.014	#####	Class-G	PARD3B
MGA. 2	#####	0.126414	0.291	0.07	#####	Class-G	MGA
ZNF181. 7	#####	0.156199	0.282	0.067	#####	Class-G	ZNF181
DGCR8. 3	#####	0.149661	0.252	0.055	#####	Class-G	DGCR8
HCFC1. 3	#####	0.110542	0.371	0.104	#####	Class-G	HCFC1
RAB26. 1	#####	0.122075	0.128	0.013	#####	Class-G	RAB26
SEC61A1. 5	#####	0.158578	0.785	0.297	#####	Class-G	SEC61A1
RP11-390F	#####	0.118647	0.143	0.017	#####	Class-G	RP11-390F4. 6
GPR137B. 7	#####	0.114717	0.54	0.179	#####	Class-G	GPR137B
PIP5K1C. 2	#####	0.119168	0.305	0.076	#####	Class-G	PIP5K1C
LINC00685	#####	0.124487	0.386	0.111	#####	Class-G	LINC00685
MATN2. 8	#####	0.167554	0.217	0.041	#####	Class-G	MATN2
EMD. 5	#####	0.110136	0.637	0.226	#####	Class-G	EMD
ELOVL5. 4	#####	0.14168	0.703	0.261	#####	Class-G	ELOVL5
RELA. 3	#####	0.103947	0.489	0.157	#####	Class-G	RELA
TMEM206. 9	#####	0.118021	0.538	0.181	#####	Class-G	TMEM206
COG4. 7	#####	0.123844	0.463	0.146	#####	Class-G	COG4
RBP1. 9	#####	0.232196	0.916	0.385	#####	Class-G	RBP1
SLC25A11.	#####	0.217201	0.86	0.347	#####	Class-G	SLC25A11
IGF1R. 7	#####	0.115237	0.224	0.044	#####	Class-G	IGF1R
AK3. 3	#####	0.117831	0.549	0.187	#####	Class-G	AK3
LPCAT4. 3	#####	0.101033	0.225	0.044	#####	Class-G	LPCAT4
SLC35F6. 6	#####	0.123452	0.497	0.162	#####	Class-G	SLC35F6
PAQR3. 5	#####	0.146397	0.24	0.05	#####	Class-G	PAQR3
WDR12. 6	#####	0.12513	0.372	0.105	#####	Class-G	WDR12
FAM84B. 8	#####	0.1765	0.26	0.059	#####	Class-G	FAM84B
USP10. 6	#####	0.102199	0.563	0.191	#####	Class-G	USP10
STUB1. 7	#####	0.301145	0.904	0.388	#####	Class-G	STUB1
SESN3. 4	#####	0.157058	0.384	0.112	#####	Class-G	SESN3
KMT2A. 10	#####	0.124724	0.549	0.185	#####	Class-G	KMT2A
CAHM. 9	#####	0.139634	0.27	0.062	#####	Class-G	CAHM
ZNF446. 4	#####	0.147522	0.237	0.049	#####	Class-G	ZNF446
NOP14. 1	#####	0.143587	0.249	0.054	#####	Class-G	NOP14
PIGQ. 1	#####	0.132856	0.309	0.078	#####	Class-G	PIGQ
PEAK1. 5	#####	0.135146	0.223	0.044	#####	Class-G	PEAK1
AJUBA	#####	0.119379	0.114	0.009	#####	Class-G	AJUBA
RCOR3. 1	#####	0.114317	0.343	0.093	#####	Class-G	RCOR3
CHP1. 7	#####	0.134	0.543	0.184	#####	Class-G	CHP1
POMT1. 8	#####	0.132758	0.36	0.101	#####	Class-G	POMT1
AGL. 1	#####	0.127025	0.265	0.06	#####	Class-G	AGL
RNF14. 4	#####	0.107685	0.472	0.15	#####	Class-G	RNF14
HOXD9	#####	0.123365	0.135	0.015	#####	Class-G	HOXD9
TFG. 5	#####	0.224625	0.834	0.338	#####	Class-G	TFG
CHTOP. 6	#####	0.126609	0.786	0.298	#####	Class-G	CHTOP
TEAD3	#####	0.115428	0.13	0.013	#####	Class-G	TEAD3
SLC41A1. 2	#####	0.130466	0.219	0.042	#####	Class-G	SLC41A1
TPT1-AS1.	#####	0.112552	0.364	0.102	#####	Class-G	TPT1-AS1
IWS1. 6	#####	0.10572	0.505	0.165	#####	Class-G	IWS1

HTT. 3	#####	0. 107934	0. 329	0. 086	#####	Class-G	HTT
GUF1. 1	#####	0. 140652	0. 265	0. 06	#####	Class-G	GUF1
PVR. 3	#####	0. 134985	0. 22	0. 043	#####	Class-G	PVR
UTP20. 2	#####	0. 133544	0. 209	0. 039	#####	Class-G	UTP20
SLC35A5. 5	#####	0. 112635	0. 454	0. 143	#####	Class-G	SLC35A5
C16orf46. #####	#####	0. 127332	0. 178	0. 028	#####	Class-G	C16orf46
TAOK2. 2	#####	0. 121387	0. 273	0. 063	#####	Class-G	TAOK2
RABGAP1. 7	#####	0. 108968	0. 337	0. 09	#####	Class-G	RABGAP1
ZC3H18. 6	#####	0. 118245	0. 398	0. 117	#####	Class-G	ZC3H18
CRY1. 5	#####	0. 12461	0. 357	0. 1	#####	Class-G	CRY1
CLDN12. 11	#####	0. 138059	0. 361	0. 102	#####	Class-G	CLDN12
RP11-1114	#####	0. 145918	0. 255	0. 056	#####	Class-G	RP11-1114A5. 4
IRX3	#####	0. 119141	0. 122	0. 011	#####	Class-G	IRX3
TPR. 7	#####	0. 200663	0. 843	0. 333	#####	Class-G	TPR
INTU. 3	#####	0. 132939	0. 223	0. 044	#####	Class-G	INTU
PLIN2. 9	#####	-1. 29808	0. 081	0. 385	#####	Class-G	PLIN2
TTI1. 5	#####	0. 128418	0. 281	0. 067	#####	Class-G	TTI1
NSA2. 6	#####	0. 193144	0. 828	0. 328	#####	Class-G	NSA2
ZC3H4. 2	#####	0. 154176	0. 26	0. 059	#####	Class-G	ZC3H4
BCAR3. 1	#####	0. 173818	0. 18	0. 029	#####	Class-G	BCAR3
BRMS1. 4	#####	0. 109784	0. 681	0. 25	#####	Class-G	BRMS1
ZNF837	#####	0. 121405	0. 139	0. 016	#####	Class-G	ZNF837
CTD-2325M	#####	0. 11848	0. 13	0. 013	#####	Class-G	CTD-2325M2. 1
GPR107. 1	#####	0. 1124	0. 293	0. 072	#####	Class-G	GPR107
SRA1. 7	#####	0. 149673	0. 828	0. 328	#####	Class-G	SRA1
CCDC51. 3	#####	0. 112662	0. 287	0. 069	#####	Class-G	CCDC51
ASAP3	#####	0. 134032	0. 15	0. 019	#####	Class-G	ASAP3
SYNGAP1. 5	#####	0. 113722	0. 19	0. 032	#####	Class-G	SYNGAP1
WDR60. 8	#####	0. 117769	0. 54	0. 181	#####	Class-G	WDR60
ANKRD13C	#####	0. 124769	0. 301	0. 075	#####	Class-G	ANKRD13C
POLI. 3	#####	0. 117302	0. 266	0. 061	#####	Class-G	POLI
KPNA1. 2	#####	0. 119722	0. 411	0. 123	#####	Class-G	KPNA1
NFAT5. 3	#####	0. 101853	0. 359	0. 1	#####	Class-G	NFAT5
HSF1. 4	#####	0. 13545	0. 625	0. 221	#####	Class-G	HSF1
BICC1	#####	0. 124917	0. 124	0. 012	#####	Class-G	BICC1
ELK1. 4	#####	0. 118692	0. 287	0. 07	#####	Class-G	ELK1
PSORS1C1. #####	#####	0. 127526	0. 147	0. 018	#####	Class-G	PSORS1C1
RAD50. 6	#####	0. 114132	0. 599	0. 211	#####	Class-G	RAD50
RUFY1. 5	#####	0. 102698	0. 391	0. 113	#####	Class-G	RUFY1
ANKLE2. 3	#####	0. 101004	0. 441	0. 136	#####	Class-G	ANKLE2
DCAF15. 2	#####	0. 136933	0. 307	0. 078	#####	Class-G	DCAF15
DSTN. 10	#####	0. 251824	0. 979	0. 559	#####	Class-G	DSTN
GMFG. 11	#####	-1. 23832	0. 036	0. 341	#####	Class-G	GMFG
COQ10A. 7	#####	0. 106711	0. 288	0. 07	#####	Class-G	COQ10A
FASTK. 8	#####	0. 123288	0. 732	0. 273	#####	Class-G	FASTK
ACBD4. 1	#####	0. 108352	0. 183	0. 03	#####	Class-G	ACBD4
ERC1. 4	#####	0. 110742	0. 329	0. 087	#####	Class-G	ERC1
ZNF516. 3	#####	0. 153401	0. 274	0. 065	#####	Class-G	ZNF516
ZFP82. 8	#####	0. 103939	0. 306	0. 077	#####	Class-G	ZFP82
XYLT2	#####	0. 15192	0. 173	0. 027	#####	Class-G	XYLT2
ANXA2R. 1C	#####	0. 101491	0. 388	0. 113	#####	Class-G	ANXA2R

SMAP1.5	#####	0.142521	0.658	0.239	#####	Class-G	SMAP1
PEX7.1	#####	0.137426	0.253	0.056	#####	Class-G	PEX7
NSFL1C.4	#####	0.167428	0.834	0.331	#####	Class-G	NSFL1C
SRSF9.8	#####	0.34527	0.969	0.495	#####	Class-G	SRSF9
OSCP1.5	#####	0.109187	0.215	0.041	#####	Class-G	OSCP1
CD82.6	#####	0.141475	0.542	0.19	#####	Class-G	CD82
TARBP1.4	#####	0.124391	0.226	0.045	#####	Class-G	TARBP1
NTRK3.7	#####	0.144244	0.216	0.042	#####	Class-G	NTRK3
LRPPRC.5	#####	0.10403	0.42	0.126	#####	Class-G	LRPPRC
FRMD8.4	#####	0.134321	0.318	0.083	#####	Class-G	FRMD8
CSNK1D.8	#####	0.145378	0.772	0.292	#####	Class-G	CSNK1D
SCCPDH.4	#####	0.136505	0.795	0.308	#####	Class-G	SCCPDH
KLC1.10	#####	0.162798	0.775	0.292	#####	Class-G	KLC1
TOLLIP-AS	#####	0.112069	0.146	0.018	#####	Class-G	TOLLIP-AS1
CREBBP.2	#####	0.105118	0.388	0.113	#####	Class-G	CREBBP
DNAJC18.7	#####	0.135423	0.33	0.089	#####	Class-G	DNAJC18
CD68.11	#####	-1.34222	0.225	0.477	#####	Class-G	CD68
MOGS.3	#####	0.122064	0.333	0.089	#####	Class-G	MOGS
CMTM3.11	#####	0.160711	0.711	0.26	#####	Class-G	CMTM3
GPM6B.11	#####	0.200468	1	0.556	#####	Class-G	GPM6B
MANEA.1	#####	0.128572	0.238	0.05	#####	Class-G	MANEA
RPGRIP1L.	#####	0.105181	0.196	0.035	#####	Class-G	RPGRIP1L
GJB2.7	#####	0.197096	0.177	0.028	#####	Class-G	GJB2
PELP1.6	#####	0.116399	0.384	0.112	#####	Class-G	PELP1
AMZ2.5	#####	0.128069	0.8	0.312	#####	Class-G	AMZ2
KDM5A.4	#####	0.109838	0.567	0.195	#####	Class-G	KDM5A
NDST1.5	#####	0.121706	0.26	0.059	#####	Class-G	NDST1
KXD1.6	#####	0.154301	0.901	0.375	#####	Class-G	KXD1
ACSF3.2	#####	0.111551	0.313	0.081	#####	Class-G	ACSF3
PEX14.1	#####	0.114069	0.281	0.067	#####	Class-G	PEX14
TTLL4.3	#####	0.117372	0.226	0.046	#####	Class-G	TTLL4
BRD3.10	#####	0.141872	0.617	0.219	#####	Class-G	BRD3
TOMM70A.5	#####	0.144081	0.334	0.091	#####	Class-G	TOMM70A
CUL4B.1	#####	0.135392	0.255	0.057	#####	Class-G	CUL4B
LRP6.10	#####	0.129844	0.31	0.079	#####	Class-G	LRP6
D2HGDH.4	#####	0.115635	0.304	0.077	#####	Class-G	D2HGDH
GNB4.9	#####	0.11707	0.535	0.183	#####	Class-G	GNB4
CBFA2T2.7	#####	0.127266	0.343	0.093	#####	Class-G	CBFA2T2
ZSCAN30.1	#####	0.130686	0.194	0.034	#####	Class-G	ZSCAN30
ZNF333.1	#####	0.125464	0.258	0.058	#####	Class-G	ZNF333
CKAP5.9	#####	0.12231	0.396	0.117	#####	Class-G	CKAP5
RP11-111M	#####	0.108284	0.277	0.066	#####	Class-G	RP11-111M22.3
SAT1.9	#####	-0.71762	0.916	0.784	#####	Class-G	SAT1
LRRTM2.9	#####	0.153794	0.29	0.072	#####	Class-G	LRRTM2
TFCP2.1	#####	0.13136	0.31	0.08	#####	Class-G	TFCP2
RNASE6.11	#####	-1.21048	0.018	0.317	#####	Class-G	RNASE6
MUT.6	#####	0.115437	0.396	0.118	#####	Class-G	MUT
SETD2.5	#####	0.129706	0.37	0.107	#####	Class-G	SETD2
TMEM205.9	#####	0.126988	0.941	0.423	#####	Class-G	TMEM205
RP11-159D	#####	0.132851	0.175	0.028	#####	Class-G	RP11-159D12.2
ZNF426.7	#####	0.115792	0.31	0.08	#####	Class-G	ZNF426

SMG7. 1	#####	0. 118538	0. 277	0. 066	#####	Class-G	SMG7
RP11-146F	#####	0. 118359	0. 166	0. 025	#####	Class-G	RP11-146F11. 1
SLC25A22.	#####	0. 131132	0. 312	0. 081	#####	Class-G	SLC25A22
APITD1. 5	#####	0. 105322	0. 248	0. 055	#####	Class-G	APITD1
MORN4. 5	#####	0. 124369	0. 18	0. 03	#####	Class-G	MORN4
IPO4	#####	0. 124179	0. 182	0. 03	#####	Class-G	IPO4
FAM181A. 8	#####	0. 12796	0. 213	0. 042	#####	Class-G	FAM181A
LFNG. 2	#####	0. 178008	0. 166	0. 025	#####	Class-G	LFNG
EIF4ENIF1	#####	0. 114159	0. 218	0. 043	#####	Class-G	EIF4ENIF1
CDC16. 5	#####	0. 126013	0. 47	0. 151	#####	Class-G	CDC16
COG2. 2	#####	0. 116396	0. 32	0. 085	#####	Class-G	COG2
NPEPPS. 5	#####	0. 107389	0. 522	0. 176	#####	Class-G	NPEPPS
PLCB3. 2	#####	0. 131807	0. 194	0. 035	#####	Class-G	PLCB3
BBS7. 4	#####	0. 109254	0. 277	0. 067	#####	Class-G	BBS7
AF127936.	#####	0. 10186	0. 114	0. 01	#####	Class-G	AF127936. 7
NIPBL. 4	#####	0. 109841	0. 551	0. 188	#####	Class-G	NIPBL
CTDSPL2. 3	#####	0. 128544	0. 302	0. 077	#####	Class-G	CTDSPL2
MFN1. 1	#####	0. 116637	0. 272	0. 065	#####	Class-G	MFN1
USP9X. 3	#####	0. 10641	0. 48	0. 156	#####	Class-G	USP9X
PUM2. 2	#####	0. 119334	0. 391	0. 116	#####	Class-G	PUM2
FAF2. 6	#####	0. 104408	0. 457	0. 145	#####	Class-G	FAF2
ZNF513. 4	#####	0. 116169	0. 231	0. 048	#####	Class-G	ZNF513
C1orf216.	#####	0. 122346	0. 341	0. 093	#####	Class-G	C1orf216
GTF3C5. 7	#####	0. 104716	0. 449	0. 143	#####	Class-G	GTF3C5
GTF2H2C. 5	#####	0. 107041	0. 257	0. 058	#####	Class-G	GTF2H2C
USP16. 3	#####	0. 13076	0. 773	0. 296	#####	Class-G	USP16
SPHK1. 9	#####	0. 150045	0. 297	0. 075	#####	Class-G	SPHK1
KLF16. 2	#####	0. 109362	0. 195	0. 035	#####	Class-G	KLF16
TMEM231. 6	#####	0. 130435	0. 205	0. 039	#####	Class-G	TMEM231
ADAM23. 5	#####	0. 139837	0. 176	0. 028	#####	Class-G	ADAM23
STIM1. 2	#####	0. 112202	0. 215	0. 042	#####	Class-G	STIM1
NDE1. 5	#####	0. 123633	0. 294	0. 075	#####	Class-G	NDE1
SURF1. 3	#####	0. 170732	0. 749	0. 287	#####	Class-G	SURF1
IPP. 6	#####	0. 122753	0. 2	0. 037	#####	Class-G	IPP
EFNB3. 8	#####	0. 130428	0. 231	0. 048	#####	Class-G	EFNB3
SLC25A39.	#####	0. 232177	0. 825	0. 336	#####	Class-G	SLC25A39
ZNF672. 3	#####	0. 11099	0. 364	0. 104	#####	Class-G	ZNF672
TMX1. 6	#####	0. 113876	0. 836	0. 332	#####	Class-G	TMX1
DBT. 3	#####	0. 110896	0. 284	0. 07	#####	Class-G	DBT
TAF1. 1	#####	0. 109853	0. 266	0. 062	#####	Class-G	TAF1
OAZ1. 7	#####	-0. 3527	0. 999	0. 914	#####	Class-G	OAZ1
VKORC1L1.	#####	0. 129299	0. 345	0. 096	#####	Class-G	VKORC1L1
THYN1. 8	#####	0. 100436	0. 841	0. 335	#####	Class-G	THYN1
C10orf54.	#####	-1. 18522	0. 033	0. 33	#####	Class-G	C10orf54
MYO1C. 5	#####	0. 114078	0. 288	0. 072	#####	Class-G	MYO1C
LST1. 11	#####	-1. 27117	0. 059	0. 354	#####	Class-G	LST1
PRKAA2. 8	#####	0. 125686	0. 183	0. 031	#####	Class-G	PRKAA2
GRB10. 8	#####	0. 169623	0. 227	0. 048	#####	Class-G	GRB10
GALNT7. 5	#####	0. 132623	0. 263	0. 061	#####	Class-G	GALNT7
MTIF2. 2	#####	0. 104425	0. 361	0. 103	#####	Class-G	MTIF2
SLC4A7. 6	#####	0. 143448	0. 497	0. 168	#####	Class-G	SLC4A7

BRI3. 6	#####	0. 310825	0. 886	0. 399	#####	Class-G	BRI3
SLC25A36.	#####	0. 108185	0. 606	0. 214	#####	Class-G	SLC25A36
FKTN. 2	#####	0. 135108	0. 206	0. 04	#####	Class-G	FKTN
CCDC47. 4	#####	0. 194754	0. 834	0. 334	#####	Class-G	CCDC47
PTPN12. 5	#####	0. 132283	0. 515	0. 174	#####	Class-G	PTPN12
MSH3. 2	#####	0. 14908	0. 295	0. 075	#####	Class-G	MSH3
CD163. 11	#####	-1. 20538	0. 022	0. 317	#####	Class-G	CD163
SMCR5. 7	#####	0. 120461	0. 267	0. 063	#####	Class-G	SMCR5
CAST. 8	#####	0. 117483	0. 697	0. 256	#####	Class-G	CAST
SFT2D3	#####	0. 116201	0. 189	0. 033	#####	Class-G	SFT2D3
KCTD13. 8	#####	0. 129177	0. 359	0. 102	#####	Class-G	KCTD13
BRD9. 4	#####	0. 122919	0. 461	0. 15	#####	Class-G	BRD9
SNAPIN. 3	#####	0. 100708	0. 795	0. 308	#####	Class-G	SNAPIN
CLCN2	#####	0. 128804	0. 138	0. 017	#####	Class-G	CLCN2
SHISA5. 3	#####	0. 100674	0. 702	0. 263	#####	Class-G	SHISA5
CSNK1G1	#####	0. 115527	0. 22	0. 045	#####	Class-G	CSNK1G1
THOC2. 5	#####	0. 117031	0. 665	0. 245	#####	Class-G	THOC2
FTO. 6	#####	0. 106247	0. 35	0. 099	#####	Class-G	FTO
UGGT2. 1	#####	0. 123285	0. 261	0. 061	#####	Class-G	UGGT2
ADCY2. 3	#####	0. 124682	0. 15	0. 021	#####	Class-G	ADCY2
PIN1. 5	#####	0. 258577	0. 96	0. 468	#####	Class-G	PIN1
DNAJC1. 6	#####	0. 10854	0. 448	0. 142	#####	Class-G	DNAJC1
MEX3D. 6	#####	0. 13609	0. 204	0. 039	#####	Class-G	MEX3D
PPP1R11. 4	#####	0. 106243	0. 764	0. 294	#####	Class-G	PPP1R11
FDXR. 3	#####	0. 113291	0. 31	0. 082	#####	Class-G	FDXR
RIF1. 8	#####	0. 115614	0. 509	0. 173	#####	Class-G	RIF1
KLHL20. 6	#####	0. 108278	0. 359	0. 103	#####	Class-G	KLHL20
GLUL. 7	#####	-0. 70105	0. 899	0. 768	#####	Class-G	GLUL
ZNF362. 2	#####	0. 136084	0. 27	0. 065	#####	Class-G	ZNF362
ERCC4. 4	#####	0. 106692	0. 34	0. 095	#####	Class-G	ERCC4
PPP2R2D. 3	#####	0. 116222	0. 262	0. 061	#####	Class-G	PPP2R2D
KLHDC9. 8	#####	0. 121733	0. 228	0. 048	#####	Class-G	KLHDC9
GOLGA1. 1	#####	0. 112998	0. 246	0. 055	#####	Class-G	GOLGA1
MTOR. 2	#####	0. 113893	0. 218	0. 044	#####	Class-G	MTOR
POLR3D. 9	#####	0. 12472	0. 332	0. 092	#####	Class-G	POLR3D
SHC2	#####	0. 112271	0. 143	0. 018	#####	Class-G	SHC2
OSER1-AS1	#####	0. 112808	0. 343	0. 097	#####	Class-G	OSER1-AS1
FGD5-AS1.	#####	0. 121404	0. 685	0. 252	#####	Class-G	FGD5-AS1
SLX4IP. 2	#####	0. 11725	0. 193	0. 035	#####	Class-G	SLX4IP
PNMAL1. 9	#####	0. 144161	0. 273	0. 067	#####	Class-G	PNMAL1
FECH. 2	#####	0. 108042	0. 324	0. 088	#####	Class-G	FECH
SGSH. 2	#####	0. 110592	0. 206	0. 04	#####	Class-G	SGSH
HAGH. 6	#####	0. 149162	0. 76	0. 287	#####	Class-G	HAGH
SERPINB1.	#####	-1. 13138	0. 016	0. 308	#####	Class-G	SERPINB1
NAA25. 1	#####	0. 100239	0. 367	0. 108	#####	Class-G	NAA25
BCLAF1. 7	#####	0. 165279	0. 807	0. 316	#####	Class-G	BCLAF1
RAD23B. 5	#####	0. 183609	0. 804	0. 31	#####	Class-G	RAD23B
ARL10. 7	#####	0. 140526	0. 259	0. 061	#####	Class-G	ARL10
DHX9. 7	#####	0. 107861	0. 619	0. 223	#####	Class-G	DHX9
ZNF598. 3	#####	0. 125146	0. 221	0. 046	#####	Class-G	ZNF598
SOD3. 4	#####	0. 207446	0. 15	0. 021	#####	Class-G	SOD3

COG1.6	#####	0.12634	0.3	0.078	#####	Class-G	COG1
FAM58A.4	#####	0.116856	0.386	0.116	#####	Class-G	FAM58A
ZFP90.8	#####	0.104449	0.343	0.096	#####	Class-G	ZFP90
USP5.4	#####	0.11819	0.516	0.177	#####	Class-G	USP5
NAB1.6	#####	0.125535	0.332	0.092	#####	Class-G	NAB1
MAFB.9	#####	-1.02559	0.062	0.356	#####	Class-G	MAFB
SLC30A7.3	#####	0.113197	0.4	0.122	#####	Class-G	SLC30A7
MAPK10.1C	#####	0.103358	0.466	0.15	#####	Class-G	MAPK10
LZTS2.4	#####	0.110447	0.241	0.053	#####	Class-G	LZTS2
RFX3.2	#####	0.140986	0.228	0.049	#####	Class-G	RFX3
PHF19.7	#####	0.100578	0.338	0.095	#####	Class-G	PHF19
SPATA2L.5	#####	0.107646	0.289	0.073	#####	Class-G	SPATA2L
SNRNP27.5	#####	0.107023	0.753	0.286	#####	Class-G	SNRNP27
MTR	#####	0.120003	0.265	0.064	#####	Class-G	MTR
SMURF2.4	#####	0.119704	0.332	0.092	#####	Class-G	SMURF2
KIAA1161.	#####	0.114865	0.105	0.008	#####	Class-G	KIAA1161
CCDC124.4	#####	0.183748	0.919	0.397	#####	Class-G	CCDC124
PEX12.3	#####	0.110896	0.181	0.031	#####	Class-G	PEX12
NUDT12.1	#####	0.121985	0.207	0.041	#####	Class-G	NUDT12
PNKD.7	#####	0.127587	0.907	0.383	#####	Class-G	PNKD
RNF185.1	#####	0.109026	0.288	0.073	#####	Class-G	RNF185
ERCC6L2.5	#####	0.125307	0.252	0.059	#####	Class-G	ERCC6L2
HIST1H4C.	#####	0.211736	0.851	0.355	#####	Class-G	HIST1H4C
FCGR2A.11	#####	-1.18863	0.039	0.33	#####	Class-G	FCGR2A
NNT.3	#####	0.136226	0.351	0.102	#####	Class-G	NNT
PHB.8	#####	0.231271	0.964	0.487	#####	Class-G	PHB
PHKB.4	#####	0.104782	0.457	0.149	#####	Class-G	PHKB
PI4KA.2	#####	0.107506	0.271	0.066	#####	Class-G	PI4KA
RAB39B.8	#####	0.119285	0.261	0.062	#####	Class-G	RAB39B
MARK4.6	#####	0.12534	0.225	0.048	#####	Class-G	MARK4
LRRFIP2.5	#####	0.11167	0.448	0.145	#####	Class-G	LRRFIP2
FAM127A.8	#####	0.210217	0.906	0.386	#####	Class-G	FAM127A
CTCF.6	#####	0.115165	0.403	0.124	#####	Class-G	CTCF
CHDH.4	#####	0.135522	0.212	0.043	#####	Class-G	CHDH
DOCK1.4	#####	0.120275	0.18	0.031	#####	Class-G	DOCK1
ZZZ3.3	#####	0.113632	0.299	0.078	#####	Class-G	ZZZ3
MAP2K3.1C	#####	0.112923	0.451	0.146	#####	Class-G	MAP2K3
HP1BP3.9	#####	0.248385	0.897	0.367	#####	Class-G	HP1BP3
NRP1.9	#####	0.125453	0.406	0.126	#####	Class-G	NRP1
DIS3L.3	#####	0.120833	0.286	0.073	#####	Class-G	DIS3L
MIPEP.1	#####	0.125152	0.203	0.04	#####	Class-G	MIPEP
SLC45A1.2	#####	0.123781	0.176	0.03	#####	Class-G	SLC45A1
PTPN21	#####	0.112896	0.126	0.014	#####	Class-G	PTPN21
LRIG2	#####	0.124938	0.201	0.039	#####	Class-G	LRIG2
WDR82.6	#####	0.113432	0.572	0.202	#####	Class-G	WDR82
GPALPP1.4	#####	0.11671	0.32	0.088	#####	Class-G	GPALPP1
TESK1.2	#####	0.121091	0.242	0.055	#####	Class-G	TESK1
GPR34.11	#####	-1.20574	0.02	0.307	#####	Class-G	GPR34
CTC-524C5	#####	0.116981	0.315	0.085	#####	Class-G	CTC-524C5.2
COL18A1.4	#####	0.130951	0.181	0.032	#####	Class-G	COL18A1
FASTKD3.1	#####	0.101427	0.223	0.047	#####	Class-G	FASTKD3



NKTR. 7	#####	0.123812	0.758	0.291	#####	Class-G	NKTR
BCAS3. 1	#####	0.104153	0.22	0.046	#####	Class-G	BCAS3
PPP1R12C.	#####	0.115296	0.247	0.057	#####	Class-G	PPP1R12C
MZF1. 4	#####	0.113086	0.265	0.064	#####	Class-G	MZF1
TLE2. 10	#####	0.198127	0.26	0.063	#####	Class-G	TLE2
MAP3K13. 8	#####	0.141314	0.812	0.325	#####	Class-G	MAP3K13
SNAPC3. 5	#####	0.131231	0.348	0.101	#####	Class-G	SNAPC3
ZNF853. 7	#####	0.135114	0.169	0.028	#####	Class-G	ZNF853
MON1A. 6	#####	0.118445	0.252	0.059	#####	Class-G	MON1A
PRRT1. 5	#####	0.112743	0.178	0.031	#####	Class-G	PRRT1
RP11-672L	#####	0.106488	0.109	0.01	#####	Class-G	RP11-672L10.6
ELK4. 3	#####	0.107363	0.294	0.077	#####	Class-G	ELK4
RP11-119E	#####	0.110097	0.198	0.038	#####	Class-G	RP11-119B16.2
FXYD5. 11	#####	-1.20036	0.097	0.38	#####	Class-G	FXYD5
ARHGEF18	#####	0.126906	0.198	0.038	#####	Class-G	ARHGEF18
FDX1. 5	#####	0.135242	0.666	0.247	#####	Class-G	FDX1
OTUD6B. 7	#####	0.137326	0.317	0.087	#####	Class-G	OTUD6B
SART1. 3	#####	0.121156	0.467	0.154	#####	Class-G	SART1
FCGR1A. 11	#####	-1.18912	0.014	0.299	#####	Class-G	FCGR1A
LIG3. 1	#####	0.136995	0.2	0.039	#####	Class-G	LIG3
NENF. 6	#####	0.2891	0.93	0.423	#####	Class-G	NENF
TMEM160. 1	#####	0.290667	0.904	0.394	#####	Class-G	TMEM160
SPAST. 7	#####	0.124761	0.303	0.081	#####	Class-G	SPAST
ZNF25. 3	#####	0.119428	0.233	0.051	#####	Class-G	ZNF25
ZNF627. 6	#####	0.111173	0.234	0.052	#####	Class-G	ZNF627
AFAP1L1	#####	0.128161	0.127	0.015	#####	Class-G	AFAP1L1
CUL2. 2	#####	0.104847	0.321	0.089	#####	Class-G	CUL2
SHARPIN. 5	#####	0.116184	0.658	0.243	#####	Class-G	SHARPIN
TXNDC17. 9	#####	0.201257	0.931	0.459	#####	Class-G	TXNDC17
IRGQ. 6	#####	0.112315	0.253	0.06	#####	Class-G	IRGQ
CYTH2. 9	#####	0.134844	0.73	0.278	#####	Class-G	CYTH2
HDDC2. 6	#####	0.121599	0.822	0.331	#####	Class-G	HDDC2
LMNB2. 8	#####	0.136829	0.312	0.085	#####	Class-G	LMNB2
C4orf48. 7	#####	0.333931	0.942	0.457	#####	Class-G	C4orf48
SLC7A1	#####	0.1103	0.233	0.052	#####	Class-G	SLC7A1
CTSS. 11	#####	-1.25535	0.118	0.393	#####	Class-G	CTSS
DCAF10. 5	#####	0.108465	0.428	0.137	#####	Class-G	DCAF10
HDAC5. 4	#####	0.108051	0.412	0.13	#####	Class-G	HDAC5
MOCS3	#####	0.101205	0.179	0.031	#####	Class-G	MOCS3
C3orf70. 1	#####	0.191046	0.278	0.071	#####	Class-G	C3orf70
CD99L2. 5	#####	0.1078	0.337	0.096	#####	Class-G	CD99L2
CBX8. 5	#####	0.109894	0.222	0.047	#####	Class-G	CBX8
NUS1. 3	#####	0.117523	0.378	0.115	#####	Class-G	NUS1
RNF214. 3	#####	0.123597	0.289	0.076	#####	Class-G	RNF214
MAP1S. 3	#####	0.102704	0.415	0.131	#####	Class-G	MAP1S
VCPIP1. 3	#####	0.11673	0.258	0.062	#####	Class-G	VCPIP1
PITPNM1. 4	#####	0.104018	0.188	0.035	#####	Class-G	PITPNM1
UTP18. 3	#####	0.106043	0.586	0.211	#####	Class-G	UTP18
FNBP1L. 11	#####	0.106543	0.442	0.143	#####	Class-G	FNBP1L
PSAP. 8	#####	-0.47877	0.971	0.794	#####	Class-G	PSAP
ZFAND6. 4	#####	0.128403	0.899	0.377	#####	Class-G	ZFAND6

FBXW7. 7	#####	0. 118953	0. 332	0. 094	#####	Class-G	FBXW7
GAPVD1. 1	#####	0. 1022	0. 423	0. 135	#####	Class-G	GAPVD1
HIST2H2AC	#####	0. 107438	0. 191	0. 036	#####	Class-G	HIST2H2AC
PI4K2B. 4	#####	0. 111013	0. 25	0. 059	#####	Class-G	PI4K2B
PCNXL2. 3	#####	0. 103158	0. 246	0. 057	#####	Class-G	PCNXL2
KPNA3. 5	#####	0. 118898	0. 569	0. 204	#####	Class-G	KPNA3
TGFB2. 7	#####	0. 148356	0. 21	0. 043	#####	Class-G	TGFB2
CPT1A	#####	0. 12682	0. 199	0. 039	#####	Class-G	CPT1A
SENP5. 5	#####	0. 116848	0. 351	0. 103	#####	Class-G	SENP5
B3GALNT2.	#####	0. 129487	0. 259	0. 063	#####	Class-G	B3GALNT2
PLAUR. 11	#####	-1. 29949	0. 136	0. 404	#####	Class-G	PLAUR
ZNF594	#####	0. 118836	0. 145	0. 02	#####	Class-G	ZNF594
ZNF793. 7	#####	0. 112607	0. 298	0. 08	#####	Class-G	ZNF793
GLI4. 7	#####	0. 119592	0. 3	0. 08	#####	Class-G	GLI4
EMILIN1. 2	#####	0. 142109	0. 191	0. 036	#####	Class-G	EMILIN1
AP006621.	#####	0. 109918	0. 198	0. 039	#####	Class-G	AP006621. 5
SYNC. 8	#####	0. 120674	0. 421	0. 136	#####	Class-G	SYNC
PML. 2	#####	0. 122866	0. 28	0. 072	#####	Class-G	PML
GAL3ST3. 9	#####	0. 132768	0. 194	0. 037	#####	Class-G	GAL3ST3
TMEM237. 8	#####	0. 103835	0. 441	0. 145	#####	Class-G	TMEM237
RUNDC1. 5	#####	0. 115012	0. 347	0. 101	#####	Class-G	RUNDC1
MYO19. 1	#####	0. 101854	0. 24	0. 055	#####	Class-G	MYO19
C19orf44	#####	0. 108113	0. 129	0. 015	#####	Class-G	C19orf44
PDZD2. 4	#####	0. 160762	0. 158	0. 025	#####	Class-G	PDZD2
TROVE2. 9	#####	0. 168247	0. 876	0. 36	#####	Class-G	TROVE2
INO80. 1	#####	0. 10703	0. 227	0. 05	#####	Class-G	INO80
NAP1L4. 8	#####	0. 170443	0. 839	0. 332	#####	Class-G	NAP1L4
BCKDHB. 3	#####	0. 115024	0. 253	0. 061	#####	Class-G	BCKDHB
G3BP1. 6	#####	0. 111484	0. 669	0. 255	#####	Class-G	G3BP1
CCZ1. 8	#####	0. 149796	0. 747	0. 286	#####	Class-G	CCZ1
RP11-395A	#####	0. 141159	0. 229	0. 051	#####	Class-G	RP11-395A13. 2
CSF1R. 11	#####	-1. 13662	0. 027	0. 307	#####	Class-G	CSF1R
ERGIC2. 1	#####	0. 104506	0. 743	0. 288	#####	Class-G	ERGIC2
KTN1. 4	#####	0. 306314	0. 94	0. 46	#####	Class-G	KTN1
ST3GAL3. 7	#####	0. 118819	0. 25	0. 06	#####	Class-G	ST3GAL3
TRIM5. 2	#####	0. 103232	0. 176	0. 031	#####	Class-G	TRIM5
CA11	#####	0. 125096	0. 28	0. 073	#####	Class-G	CA11
OLIG1. 11	#####	0. 112311	0. 428	0. 139	#####	Class-G	OLIG1
NUBP2. 6	#####	0. 13492	0. 793	0. 314	#####	Class-G	NUBP2
AIF1L. 10	#####	0. 280218	0. 295	0. 083	#####	Class-G	AIF1L
S100A4. 11	#####	-1. 26643	0. 055	0. 335	#####	Class-G	S100A4
IPO8. 1	#####	0. 121754	0. 215	0. 046	#####	Class-G	IPO8
FAM192A. 6	#####	0. 10828	0. 756	0. 292	#####	Class-G	FAM192A
CBX5. 9	#####	0. 123487	0. 735	0. 28	#####	Class-G	CBX5
WWP1. 1	#####	0. 1149	0. 212	0. 044	#####	Class-G	WWP1
ZNF18. 1	#####	0. 102146	0. 181	0. 033	#####	Class-G	ZNF18
PYG02. 2	#####	0. 122415	0. 23	0. 052	#####	Class-G	PYG02
ARF3. 5	#####	0. 121002	0. 789	0. 311	#####	Class-G	ARF3
PTPRG. 7	#####	0. 129038	0. 221	0. 048	#####	Class-G	PTPRG
PREX2. 1	#####	0. 117441	0. 119	0. 013	#####	Class-G	PREX2
ZNF496. 2	#####	0. 114289	0. 192	0. 037	#####	Class-G	ZNF496

WDR3. 3	#####	0. 124494	0. 274	0. 071	#####	Class-G	WDR3
RP11-192H	#####	0. 115378	0. 304	0. 083	#####	Class-G	RP11-192H23. 6
SEMA4B. 2	#####	0. 131046	0. 177	0. 032	#####	Class-G	SEMA4B
ARAP2. 6	#####	0. 12577	0. 247	0. 059	#####	Class-G	ARAP2
KIAA0753	#####	0. 109561	0. 135	0. 018	#####	Class-G	KIAA0753
SMIM13. 4	#####	0. 114155	0. 248	0. 059	#####	Class-G	SMIM13
IKBKG. 6	#####	0. 107501	0. 34	0. 099	#####	Class-G	IKBKG
TMEM201	#####	0. 123809	0. 166	0. 028	#####	Class-G	TMEM201
UBA2. 8	#####	0. 156742	0. 751	0. 294	#####	Class-G	UBA2
HNRNPD. 9	#####	0. 229025	0. 848	0. 344	#####	Class-G	HNRNPD
FAM76A. 2	#####	0. 117736	0. 254	0. 062	#####	Class-G	FAM76A
XPO5. 1	#####	0. 126915	0. 225	0. 05	#####	Class-G	XPO5
UNC80. 5	#####	0. 112316	0. 149	0. 022	#####	Class-G	UNC80
MARCH6. 9	#####	0. 111255	0. 75	0. 293	#####	Class-G	6-Mar
ZZEF1. 2	#####	0. 100047	0. 247	0. 059	#####	Class-G	ZZEF1
MCF2L-AS1	#####	0. 100068	0. 127	0. 015	#####	Class-G	MCF2L-AS1
GPD1L. 1	#####	0. 101745	0. 165	0. 028	#####	Class-G	GPD1L
IFT80. 5	#####	0. 106061	0. 216	0. 047	#####	Class-G	IFT80
INTS5. 2	#####	0. 112765	0. 241	0. 057	#####	Class-G	INTS5
TMEM214. 2	#####	0. 101996	0. 309	0. 086	#####	Class-G	TMEM214
PAFAH1B2.	#####	0. 132631	0. 694	0. 266	#####	Class-G	PAFAH1B2
SAMSN1. 11	#####	-1. 10452	0. 016	0. 29	#####	Class-G	SAMSN1
NUDT4. 3	#####	0. 11765	0. 467	0. 16	#####	Class-G	NUDT4
ZMYM3. 2	#####	0. 108209	0. 232	0. 053	#####	Class-G	ZMYM3
CAD. 1	#####	0. 107695	0. 178	0. 033	#####	Class-G	CAD
CCDC144A.	#####	0. 118426	0. 24	0. 056	#####	Class-G	CCDC144A
FOXP4	#####	0. 101546	0. 139	0. 02	#####	Class-G	FOXP4
TYMS. 8	#####	0. 105801	0. 392	0. 123	#####	Class-G	TYMS
FBX045. 2	#####	0. 108943	0. 199	0. 04	#####	Class-G	FBX045
RBM42. 6	#####	0. 169426	0. 793	0. 32	#####	Class-G	RBM42
MDM1. 2	#####	0. 111276	0. 22	0. 048	#####	Class-G	MDM1
ALS2. 2	#####	0. 110216	0. 186	0. 036	#####	Class-G	ALS2
FAM3C. 10	#####	0. 219408	0. 875	0. 365	#####	Class-G	FAM3C
TAPBP. 10	#####	0. 10318	0. 733	0. 279	#####	Class-G	TAPBP
DHX32. 2	#####	0. 116372	0. 237	0. 055	#####	Class-G	DHX32
GPSM3. 11	#####	-1. 11	0. 027	0. 301	#####	Class-G	GPSM3
SLC25A25.	#####	0. 119157	0. 398	0. 127	#####	Class-G	SLC25A25
UBR1. 2	#####	0. 123239	0. 229	0. 053	#####	Class-G	UBR1
BMPR1A. 2	#####	0. 121657	0. 209	0. 045	#####	Class-G	BMPR1A
RP11-490M	#####	0. 11128	0. 156	0. 025	#####	Class-G	RP11-490M8. 1
H1FX. 10	#####	0. 186528	0. 794	0. 318	#####	Class-G	H1FX
MYO5A. 5	#####	0. 110442	0. 298	0. 082	#####	Class-G	MYO5A
RC3H2. 3	#####	0. 110348	0. 267	0. 068	#####	Class-G	RC3H2
RPUSD1. 6	#####	0. 12281	0. 34	0. 1	#####	Class-G	RPUSD1
PURB. 4	#####	0. 102726	0. 404	0. 13	#####	Class-G	PURB
THEM6. 4	#####	0. 112623	0. 241	0. 057	#####	Class-G	THEM6
CAPN10. 5	#####	0. 103643	0. 248	0. 06	#####	Class-G	CAPN10
PGAM5. 2	#####	0. 119377	0. 183	0. 035	#####	Class-G	PGAM5
MSX1. 8	#####	0. 123308	0. 203	0. 042	#####	Class-G	MSX1
RAD17. 5	#####	0. 110591	0. 331	0. 097	#####	Class-G	RAD17
IDH3B. 3	#####	0. 12731	0. 853	0. 353	#####	Class-G	IDH3B

DYNC1LI2.	#####	0.122368	0.725	0.282	#####	Class-G	DYNC1LI2
ERGIC3.8	#####	0.202729	0.961	0.513	#####	Class-G	ERGIC3
CMTM4.1	#####	0.111779	0.142	0.021	#####	Class-G	CMTM4
SLC25A4.1	#####	0.133863	0.867	0.354	#####	Class-G	SLC25A4
LMBR1.8	#####	0.101865	0.294	0.08	#####	Class-G	LMBR1
ZNF174.6	#####	0.120318	0.213	0.047	#####	Class-G	ZNF174
HCST.11	#####	-1.22026	0.05	0.323	#####	Class-G	HCST
PPP1CC.7	#####	0.215431	0.891	0.372	#####	Class-G	PPP1CC
BTF3.4	#####	-0.37471	0.998	0.882	#####	Class-G	BTF3
APOL6.3	#####	0.115791	0.261	0.066	#####	Class-G	APOL6
ZDHHC17.5	#####	0.114443	0.284	0.076	#####	Class-G	ZDHHC17
C8orf44.1	#####	0.109598	0.193	0.039	#####	Class-G	C8orf44
TUBGCP4.6	#####	0.119092	0.317	0.091	#####	Class-G	TUBGCP4
ACVR2A.4	#####	0.128658	0.211	0.046	#####	Class-G	ACVR2A
VPS13A.1	#####	0.119744	0.232	0.054	#####	Class-G	VPS13A
LMLN.1	#####	0.115786	0.166	0.029	#####	Class-G	LMLN
ACTR3B.8	#####	0.137329	0.287	0.078	#####	Class-G	ACTR3B
SRSF12.8	#####	0.105511	0.219	0.049	#####	Class-G	SRSF12
KAZN.8	#####	0.138855	0.216	0.048	#####	Class-G	KAZN
ZBTB45.1	#####	0.107117	0.189	0.037	#####	Class-G	ZBTB45
SYNGR3.1	#####	0.102771	0.143	0.021	#####	Class-G	SYNGR3
MSTO1.2	#####	0.124492	0.246	0.06	#####	Class-G	MSTO1
LRFN3.1	#####	0.11083	0.143	0.021	#####	Class-G	LRFN3
VPS4A.5	#####	0.114225	0.659	0.25	#####	Class-G	VPS4A
PFDN5.8	#####	-0.38096	0.99	0.867	#####	Class-G	PFDN5
SKAP2.8	#####	-0.88154	0.032	0.309	#####	Class-G	SKAP2
COL28A1	#####	0.222009	0.112	0.012	#####	Class-G	COL28A1
DUT.9	#####	0.230883	0.896	0.383	#####	Class-G	DUT
NSF.2	#####	0.112734	0.343	0.103	#####	Class-G	NSF
FEZ2.7	#####	0.224465	0.879	0.378	#####	Class-G	FEZ2
DDX1.8	#####	0.106111	0.748	0.297	#####	Class-G	DDX1
IPO9-AS1	#####	0.115536	0.126	0.016	#####	Class-G	IPO9-AS1
PAK2.4	#####	0.161808	0.733	0.29	#####	Class-G	PAK2
RTF1.9	#####	0.196263	0.86	0.36	#####	Class-G	RTF1
LILRB4.11	#####	-1.13665	0.024	0.293	#####	Class-G	LILRB4
GLRB.7	#####	0.129451	0.19	0.038	#####	Class-G	GLRB
SP5	#####	0.107108	0.103	0.01	#####	Class-G	SP5
DNAJC22	#####	0.101716	0.13	0.017	#####	Class-G	DNAJC22
ATP1A2.8	#####	0.434606	0.191	0.041	#####	Class-G	ATP1A2
NXT2.3	#####	0.115817	0.238	0.058	#####	Class-G	NXT2
OLR1.11	#####	-1.10289	0.02	0.288	#####	Class-G	OLR1
KIFC2.5	#####	0.131698	0.207	0.045	#####	Class-G	KIFC2
TMEM30A.4	#####	0.101065	0.704	0.274	#####	Class-G	TMEM30A
CBR1.9	#####	0.147903	0.912	0.405	#####	Class-G	CBR1
TM4SF1.11	#####	0.118148	0.295	0.083	#####	Class-G	TM4SF1
C3AR1.11	#####	-1.08818	0.01	0.275	#####	Class-G	C3AR1
ADORA3.11	#####	-1.10732	0.03	0.298	#####	Class-G	ADORA3
GTF2H5.3	#####	0.121792	0.819	0.337	#####	Class-G	GTF2H5
CACHD1.1	#####	0.119377	0.134	0.019	#####	Class-G	CACHD1
POPDC3.1	#####	0.115171	0.109	0.011	#####	Class-G	POPDC3
DCXR.4	#####	0.181372	0.888	0.381	#####	Class-G	DCXR

ENTPD5.2	#####	0.10394	0.169	0.03	#####	Class-G	ENTPD5
CASKIN2.4	#####	0.112008	0.157	0.026	#####	Class-G	CASKIN2
C17orf51.	#####	0.111235	0.207	0.045	#####	Class-G	C17orf51
MFAP3.1	#####	0.102225	0.186	0.037	#####	Class-G	MFAP3
TMED7.3	#####	0.113255	0.588	0.219	#####	Class-G	TMED7
SAFB.6	#####	0.102381	0.622	0.235	#####	Class-G	SAFB
BRF1.7	#####	0.100932	0.277	0.074	#####	Class-G	BRF1
UEVLD.1	#####	0.103694	0.247	0.061	#####	Class-G	UEVLD
C16orf13.	#####	0.219897	0.9	0.388	#####	Class-G	C16orf13
NUDT19.3	#####	0.119814	0.271	0.072	#####	Class-G	NUDT19
SDC1.5	#####	0.138707	0.164	0.029	#####	Class-G	SDC1
SOCS5.1	#####	0.105904	0.201	0.043	#####	Class-G	SOCS5
C1QBP.8	#####	0.312698	0.952	0.489	#####	Class-G	C1QBP
ATP6V1F.6	#####	-0.44124	0.967	0.774	#####	Class-G	ATP6V1F
DZANK1	#####	0.107771	0.148	0.023	#####	Class-G	DZANK1
NCS1.5	#####	0.114074	0.192	0.039	#####	Class-G	NCS1
FAM8A1.5	#####	0.118694	0.238	0.058	#####	Class-G	FAM8A1
NAT10	#####	0.103939	0.226	0.053	#####	Class-G	NAT10
STRBP.9	#####	0.105741	0.322	0.094	#####	Class-G	STRBP
GRK6.5	#####	0.10236	0.338	0.102	#####	Class-G	GRK6
MMP2.7	#####	0.133476	0.502	0.182	#####	Class-G	MMP2
TMEM33.5	#####	0.101656	0.61	0.232	#####	Class-G	TMEM33
FITM2.2	#####	0.104268	0.167	0.03	#####	Class-G	FITM2
PPP2R5B.8	#####	0.104942	0.396	0.129	#####	Class-G	PPP2R5B
DGKG.5	#####	0.143492	0.164	0.029	#####	Class-G	DGKG
NUP43.1	#####	0.120498	0.237	0.058	#####	Class-G	NUP43
TMEM59.4	#####	-0.49249	0.951	0.758	#####	Class-G	TMEM59
MPHOSPH9.	#####	0.117726	0.303	0.087	#####	Class-G	MPHOSPH9
RNF217	#####	0.10425	0.15	0.024	#####	Class-G	RNF217
SLC20A1.3	#####	0.125562	0.414	0.14	#####	Class-G	SLC20A1
FOXD1.1	#####	0.111918	0.121	0.015	#####	Class-G	FOXD1
MYO9A.1	#####	0.100977	0.231	0.055	#####	Class-G	MYO9A
PAFAH1B3.	#####	0.130921	0.87	0.351	#####	Class-G	PAFAH1B3
VSIG10.2	#####	0.109006	0.194	0.041	#####	Class-G	VSIG10
NPC2.10	#####	-0.93365	0.776	0.678	#####	Class-G	NPC2
NME1.9	#####	0.219622	0.965	0.503	#####	Class-G	NME1
FOSL1.6	#####	0.104467	0.159	0.028	#####	Class-G	FOSL1
NAV2.7	#####	0.141734	0.301	0.088	#####	Class-G	NAV2
ASB16-AS1	#####	0.100439	0.255	0.066	#####	Class-G	ASB16-AS1
MSANTD2.3	#####	0.108486	0.189	0.039	#####	Class-G	MSANTD2
KCTD1.7	#####	0.123649	0.198	0.043	#####	Class-G	KCTD1
ZNF668.4	#####	0.10054	0.236	0.058	#####	Class-G	ZNF668
CYB5R3.6	#####	0.104277	0.75	0.297	#####	Class-G	CYB5R3
PGLS.6	#####	0.274239	0.928	0.442	#####	Class-G	PGLS
ID2.8	#####	-0.80649	0.629	0.658	#####	Class-G	ID2
ZXDC.1	#####	0.110573	0.198	0.043	#####	Class-G	ZXDC
FAM32A.8	#####	0.128783	0.887	0.381	#####	Class-G	FAM32A
TXN2.5	#####	0.137681	0.862	0.364	#####	Class-G	TXN2
MNS1.6	#####	0.105984	0.218	0.051	#####	Class-G	MNS1
LARS2	#####	0.108831	0.146	0.024	#####	Class-G	LARS2
H3F3B.7	#####	-0.3442	1	0.966	#####	Class-G	H3F3B

BYSL. 7	#####	0.106093	0.282	0.079	#####	Class-G	BYSL
FAM184A. 5	#####	0.120803	0.169	0.032	#####	Class-G	FAM184A
FBX046	#####	0.101459	0.146	0.024	#####	Class-G	FBX046
SPG21. 8	#####	0.118709	0.786	0.319	#####	Class-G	SPG21
CXorf23. 3	#####	0.108776	0.187	0.039	#####	Class-G	CXorf23
NAA10. 6	#####	0.149986	0.849	0.356	#####	Class-G	NAA10
HAPLN3	#####	0.110896	0.125	0.017	#####	Class-G	HAPLN3
RPS19BP1.	#####	0.192923	0.925	0.419	#####	Class-G	RPS19BP1
LRRC17. 8	#####	0.150765	0.216	0.051	#####	Class-G	LRRC17
RP11-73E1	#####	0.11022	0.15	0.025	#####	Class-G	RP11-73E17. 2
HERPUD1. 9	#####	-0.88549	0.663	0.638	#####	Class-G	HERPUD1
AGTRAP. 7	#####	-0.107	0.61	0.228	#####	Class-G	AGTRAP
HRASLS. 6	#####	0.100883	0.162	0.03	#####	Class-G	HRASLS
CCL4. 10	#####	-1.20065	0.104	0.361	#####	Class-G	CCL4
NCKIPSD. 1	#####	0.104996	0.206	0.047	#####	Class-G	NCKIPSD
SPEG. 7	#####	0.107477	0.209	0.048	#####	Class-G	SPEG
TACC2. 7	#####	0.12639	0.181	0.037	#####	Class-G	TACC2
CDR2L. 6	#####	0.100598	0.195	0.042	#####	Class-G	CDR2L
GPAA1. 4	#####	0.14071	0.8	0.327	#####	Class-G	GPAA1
LSM2. 6	#####	0.14484	0.865	0.379	#####	Class-G	LSM2
USP13. 5	#####	0.116047	0.211	0.049	#####	Class-G	USP13
ZNHIT6. 2	#####	0.104842	0.255	0.067	#####	Class-G	ZNHIT6
FLYWCH1. 4	#####	0.113899	0.267	0.073	#####	Class-G	FLYWCH1
ALDH4A1. 1	#####	0.13094	0.167	0.032	#####	Class-G	ALDH4A1
ARPC3. 9	#####	-0.44021	0.962	0.778	#####	Class-G	ARPC3
TCF7L1. 1	#####	0.115252	0.135	0.021	#####	Class-G	TCF7L1
CHRD1. 1	#####	0.121441	0.141	0.023	#####	Class-G	CHRD1
PATZ1. 4	#####	0.104667	0.235	0.059	#####	Class-G	PATZ1
GALNT18	#####	0.108629	0.123	0.017	#####	Class-G	GALNT18
EVI2A. 10	#####	-1.00963	0.008	0.258	#####	Class-G	EVI2A
GMDS. 5	#####	0.103652	0.245	0.064	#####	Class-G	GMDS
HAVCR2. 11	#####	-1.04573	0.016	0.267	#####	Class-G	HAVCR2
TMED8. 1	#####	0.100844	0.196	0.043	#####	Class-G	TMED8
NR4A2. 11	#####	-1.02654	0.033	0.287	#####	Class-G	NR4A2
TUBB2B. 10	#####	0.331082	0.993	0.483	#####	Class-G	TUBB2B
C8orf58. 1	#####	0.102281	0.18	0.037	#####	Class-G	C8orf58
ALDH1B1. 1	#####	0.111395	0.207	0.048	#####	Class-G	ALDH1B1
CAPS. 6	#####	0.131536	0.208	0.049	#####	Class-G	CAPS
COR01A. 11	#####	-1.18392	0.176	0.405	#####	Class-G	COR01A
NCBP2. 9	#####	0.135925	0.879	0.369	#####	Class-G	NCBP2
FAM212B. 9	#####	0.10336	0.263	0.072	#####	Class-G	FAM212B
RP11-563K	#####	0.144082	0.193	0.043	#####	Class-G	RP11-563K23. 1
ZNF470. 1	#####	0.108242	0.16	0.03	#####	Class-G	ZNF470
FAM129B. 8	#####	0.114758	0.212	0.051	#####	Class-G	FAM129B
ZNF775. 9	#####	0.118969	0.254	0.068	#####	Class-G	ZNF775
TPT1. 8	#####	-0.39687	0.996	0.946	#####	Class-G	TPT1
EEF1D. 8	#####	-0.41408	0.989	0.821	#####	Class-G	EEF1D
FYB. 11	#####	-0.97008	0.012	0.257	#####	Class-G	FYB
DHX36. 9	#####	0.159778	0.841	0.358	#####	Class-G	DHX36
NT5M. 1	#####	0.102251	0.151	0.027	#####	Class-G	NT5M
RAB31. 10	#####	0.214343	0.887	0.39	#####	Class-G	RAB31

CEP112.1	#####	0.111431	0.155	0.029	#####	Class-G	CEP112
C6orf15.7	#####	0.264263	0.112	0.014	#####	Class-G	C6orf15
AKAP1.4	#####	0.108521	0.304	0.092	#####	Class-G	AKAP1
C9orf142.	#####	0.10322	0.767	0.312	#####	Class-G	C9orf142
FBXL6.1	#####	0.100293	0.202	0.047	#####	Class-G	FBXL6
HAS3	#####	0.114428	0.079	0.006	#####	Class-G	HAS3
THOC3.4	#####	0.114969	0.39	0.134	#####	Class-G	THOC3
DAB2IP	#####	0.105543	0.126	0.018	#####	Class-G	DAB2IP
TIMM8B.7	#####	0.184844	0.942	0.479	#####	Class-G	TIMM8B
NOMO1.3	#####	0.104047	0.264	0.074	#####	Class-G	NOMO1
ACADVL.6	#####	0.18666	0.874	0.381	#####	Class-G	ACADVL
CRISPLD1.	#####	0.108545	0.243	0.065	#####	Class-G	CRISPLD1
ABCA5.5	#####	0.11179	0.237	0.062	#####	Class-G	ABCA5
DUSP5.3	#####	0.124944	0.21	0.051	#####	Class-G	DUSP5
ATP6VOB.8	#####	-0.39571	0.962	0.771	#####	Class-G	ATP6VOB
FKRP.2	#####	0.114351	0.174	0.036	#####	Class-G	FKRP
DIO2.4	#####	0.221979	0.129	0.02	#####	Class-G	DIO2
THSD4.5	#####	0.20061	0.105	0.012	#####	Class-G	THSD4
DIRAS2.8	#####	0.173656	0.188	0.043	#####	Class-G	DIRAS2
RNFT2.8	#####	0.110474	0.201	0.047	#####	Class-G	RNFT2
TMOD1.8	#####	0.232609	0.355	0.125	#####	Class-G	TMOD1
ZSCAN32.3	#####	0.10191	0.197	0.046	#####	Class-G	ZSCAN32
AHCYL2	#####	0.129693	0.153	0.028	#####	Class-G	AHCYL2
LARP1B.6	#####	0.103315	0.299	0.091	#####	Class-G	LARP1B
ASNA1.7	#####	0.158115	0.941	0.451	#####	Class-G	ASNA1
PPDPF.7	#####	0.230805	0.991	0.665	#####	Class-G	PPDPF
CLTB.9	#####	0.197715	0.868	0.371	#####	Class-G	CLTB
ADCY6	#####	0.103062	0.138	0.023	#####	Class-G	ADCY6
THRAP3.8	#####	0.165597	0.856	0.369	#####	Class-G	THRAP3
TRIB3.8	#####	0.104666	0.211	0.052	#####	Class-G	TRIB3
ZNF318.2	#####	0.101865	0.18	0.039	#####	Class-G	ZNF318
GPC4.4	#####	0.125596	0.165	0.033	#####	Class-G	GPC4
IL33.8	#####	0.139726	0.15	0.028	#####	Class-G	IL33
CSNK1A1.7	#####	0.284917	0.965	0.491	#####	Class-G	CSNK1A1
SLC4A8.4	#####	0.11271	0.21	0.052	#####	Class-G	SLC4A8
TTL12.3	#####	0.108578	0.189	0.043	#####	Class-G	TTL12
COX7C.4	#####	-0.33753	0.997	0.868	#####	Class-G	COX7C
ATP5L.3	#####	-0.3472	0.99	0.838	#####	Class-G	ATP5L
CACFD1.8	#####	0.110566	0.237	0.063	#####	Class-G	CACFD1
PHLDA2.5	#####	0.121893	0.162	0.032	#####	Class-G	PHLDA2
VWA3B.5	#####	0.128512	0.133	0.022	#####	Class-G	VWA3B
ABCA1.6	#####	0.135455	0.507	0.195	#####	Class-G	ABCA1
HES1.8	#####	0.137277	0.43	0.159	#####	Class-G	HES1
ETFB.5	#####	0.140468	0.927	0.43	#####	Class-G	ETFB
SLC02B1.1	#####	-0.97613	0.016	0.254	#####	Class-G	SLC02B1
GPX1.11	#####	-0.46003	0.967	0.789	#####	Class-G	GPX1
ECHS1.6	#####	0.108184	0.841	0.368	#####	Class-G	ECHS1
NAT8L.5	#####	0.10314	0.161	0.032	#####	Class-G	NAT8L
CD86.11	#####	-0.99388	0.011	0.247	#####	Class-G	CD86
FIBP.6	#####	0.142871	0.9	0.414	#####	Class-G	FIBP
CNTNAP3B.	#####	0.121353	0.125	0.019	#####	Class-G	CNTNAP3B

TBXAS1. 11	#####	-1. 02708	0. 035	0. 275	#####	Class-G	TBXAS1
RTTN. 1	#####	0. 115811	0. 146	0. 027	1. 03E-99	Class-G	RTTN
SOX13. 1	#####	0. 116263	0. 126	0. 02	1. 46E-99	Class-G	SOX13
PGAM1. 7	#####	0. 166954	0. 916	0. 434	1. 79E-99	Class-G	PGAM1
RAD23A. 5	#####	0. 211945	0. 968	0. 501	2. 83E-99	Class-G	RAD23A
CTNNA1. 4	#####	0. 118976	0. 84	0. 353	3. 43E-99	Class-G	CTNNA1
GDF15. 10	#####	0. 249091	0. 2	0. 049	4. 24E-99	Class-G	GDF15
C11orf80	#####	0. 104169	0. 144	0. 026	5. 39E-99	Class-G	C11orf80
RBPMS	#####	0. 109506	0. 127	0. 02	7. 96E-99	Class-G	RBPMS
SRSF6. 6	#####	0. 105919	0. 727	0. 299	9. 54E-99	Class-G	SRSF6
DONSON. 3	#####	0. 111552	0. 223	0. 058	1. 20E-98	Class-G	DONSON
ZNF704. 1C	#####	0. 100718	0. 303	0. 094	1. 28E-98	Class-G	ZNF704
ARVCF. 8	#####	0. 106203	0. 171	0. 036	1. 28E-98	Class-G	ARVCF
PLXDC2. 11	#####	-0. 89626	0. 009	0. 242	1. 30E-98	Class-G	PLXDC2
SCMH1. 5	#####	0. 108384	0. 218	0. 056	1. 96E-98	Class-G	SCMH1
FIZ1. 2	#####	0. 100272	0. 158	0. 031	2. 19E-98	Class-G	FIZ1
HNRNPAB. 1	#####	0. 169777	0. 793	0. 332	3. 91E-98	Class-G	HNRNPAB
KAT2B. 6	#####	0. 103472	0. 204	0. 05	6. 47E-98	Class-G	KAT2B
SNRPB. 6	#####	0. 221193	0. 951	0. 516	6. 53E-98	Class-G	SNRPB
SH3GLB1. 7	#####	0. 118072	0. 83	0. 364	8. 62E-98	Class-G	SH3GLB1
PARD6B	#####	0. 102513	0. 126	0. 02	2. 13E-97	Class-G	PARD6B
FCGBP. 10	#####	-1. 0908	0. 027	0. 262	4. 34E-97	Class-G	FCGBP
CEP78. 8	#####	0. 102593	0. 283	0. 086	4. 43E-97	Class-G	CEP78
AC159540.	#####	0. 120907	0. 227	0. 061	5. 06E-97	Class-G	AC159540. 1
ZNF324. 6	#####	0. 10189	0. 224	0. 059	5. 32E-97	Class-G	ZNF324
C5AR1. 10	#####	-1. 03453	0. 036	0. 271	5. 85E-97	Class-G	C5AR1
DDX46. 6	#####	0. 110188	0. 867	0. 378	7. 20E-97	Class-G	DDX46
MTPN. 6	#####	0. 164937	0. 847	0. 364	1. 03E-96	Class-G	MTPN
SOX4. 10	#####	0. 129526	0. 863	0. 377	3. 82E-96	Class-G	SOX4
MZT2A. 8	#####	0. 127032	0. 817	0. 348	4. 45E-96	Class-G	MZT2A
EVI2B. 11	#####	-0. 93469	0. 007	0. 235	4. 64E-96	Class-G	EVI2B
ZFYVE9. 2	#####	0. 101945	0. 155	0. 031	5. 20E-96	Class-G	ZFYVE9
SYNCRIP. 8	#####	0. 117529	0. 768	0. 321	1. 20E-95	Class-G	SYNCRIP
RHPN1. 2	#####	0. 101521	0. 156	0. 032	1. 25E-95	Class-G	RHPN1
YIPF3. 8	#####	0. 104645	0. 923	0. 411	1. 37E-95	Class-G	YIPF3
SLA. 11	1. 12E-99	-0. 89971	0. 007	0. 234	1. 67E-95	Class-G	SLA
CSF2RA. 1C	1. 34E-99	-0. 95855	0. 008	0. 234	2. 00E-95	Class-G	CSF2RA
UBB. 7	2. 90E-99	-0. 31856	0. 997	0. 897	4. 34E-95	Class-G	UBB
SPI1. 11	3. 97E-99	-0. 94467	0. 039	0. 271	5. 93E-95	Class-G	SPI1
LAIR1. 11	6. 25E-99	-0. 97212	0. 032	0. 263	9. 33E-95	Class-G	LAIR1
FOSB. 8	6. 52E-99	-0. 96681	0. 209	0. 422	9. 74E-95	Class-G	FOSB
HSPA8. 6	1. 98E-98	-0. 33826	0. 992	0. 845	2. 96E-94	Class-G	HSPA8
IL11RA. 2	2. 86E-98	0. 111497	0. 183	0. 043	4. 27E-94	Class-G	IL11RA
SLC24A3. 1	2. 87E-98	0. 118772	0. 109	0. 015	4. 29E-94	Class-G	SLC24A3
TBC1D24. 6	3. 63E-98	0. 114413	0. 201	0. 05	5. 43E-94	Class-G	TBC1D24
TMEM176B. 3	3. 87E-98	-1. 18116	0. 164	0. 383	5. 78E-94	Class-G	TMEM176B
XRN2. 5	8. 70E-98	0. 148668	0. 874	0. 389	1. 30E-93	Class-G	XRN2
BAMBI. 8	8. 95E-98	0. 124492	0. 196	0. 049	1. 34E-93	Class-G	BAMBI
GLIS2. 1	1. 02E-97	0. 103404	0. 129	0. 022	1. 53E-93	Class-G	GLIS2
RGS10. 11	1. 78E-97	-1. 19983	0. 158	0. 372	2. 66E-93	Class-G	RGS10
PTPRC. 11	3. 22E-97	-0. 89295	0. 012	0. 234	4. 80E-93	Class-G	PTPRC



FAXDC2.7	3.27E-97	0.106171	0.173	0.039	4.88E-93	Class-G	FAXDC2
HNRNPA1.4	5.33E-97	-0.29234	0.997	0.858	7.97E-93	Class-G	HNRNPA1
ACSS1.6	5.48E-97	0.100874	0.255	0.075	8.19E-93	Class-G	ACSS1
PABPC1.8	7.48E-97	-0.48177	0.905	0.719	1.12E-92	Class-G	PABPC1
RHPN2.3	1.45E-96	0.10153	0.132	0.023	2.17E-92	Class-G	RHPN2
B3GNT2.9	1.96E-96	0.115333	0.19	0.046	2.93E-92	Class-G	B3GNT2
MARCKSL1.2	8.2E-96	0.249582	0.981	0.473	4.21E-92	Class-G	MARCKSL1
GRIK3.6	4.23E-96	0.144273	0.145	0.028	6.33E-92	Class-G	GRIK3
SSNA1.6	1.25E-95	0.123251	0.859	0.378	1.86E-91	Class-G	SSNA1
GBAS.6	2.46E-95	0.127963	0.79	0.336	3.67E-91	Class-G	GBAS
C19orf70.2	9.5E-95	0.123306	0.965	0.515	4.41E-91	Class-G	C19orf70
SPINT2.11	6.82E-95	-0.83944	0.025	0.248	1.02E-90	Class-G	SPINT2
COX20.6	7.05E-95	0.115525	0.881	0.391	1.05E-90	Class-G	COX20
ADCYAP1R1.1	1.16E-94	0.120046	0.151	0.031	1.73E-90	Class-G	ADCYAP1R1
GNG4.10	2.67E-94	0.104828	0.281	0.089	3.99E-90	Class-G	GNG4
ANXA2.9	3.75E-94	0.136582	0.849	0.459	5.60E-90	Class-G	ANXA2
IL18.11	3.86E-94	-0.90202	0.007	0.223	5.76E-90	Class-G	IL18
GPM6A.10	3.90E-94	0.166184	0.978	0.427	5.82E-90	Class-G	GPM6A
TCF4.11	7.93E-93	0.186875	0.959	0.452	1.18E-88	Class-G	TCF4
EPHB3.2	3.31E-92	0.118375	0.146	0.03	4.95E-88	Class-G	EPHB3
PARP1.6	3.41E-92	0.171527	0.899	0.402	5.10E-88	Class-G	PARP1
RHBDD2.1C	6.09E-92	0.11017	0.885	0.39	9.11E-88	Class-G	RHBDD2
LRP4.8	1.29E-91	0.112538	0.172	0.04	1.92E-87	Class-G	LRP4
RPAIN.9	1.45E-91	0.14565	0.905	0.417	2.17E-87	Class-G	RPAIN
FLOT1.10	2.08E-91	0.185067	0.908	0.436	3.11E-87	Class-G	FLOT1
IER3.11	2.63E-91	-0.96474	0.052	0.272	3.93E-87	Class-G	IER3
KIF5B.7	3.65E-91	0.242998	0.91	0.447	5.45E-87	Class-G	KIF5B
IFI30.11	4.60E-91	-0.96367	0.033	0.25	6.87E-87	Class-G	IFI30
APOC2.10	5.87E-91	-1.0819	0.008	0.219	8.77E-87	Class-G	APOC2
PTTG1IP.5	7.34E-91	0.156284	0.867	0.389	1.10E-86	Class-G	PTTG1IP
COL23A1.8	9.5E-91	0.13404	0.075	0.007	1.34E-86	Class-G	COL23A1
PEA15.6	1.33E-90	0.106559	0.845	0.377	1.99E-86	Class-G	PEA15
SLC11A1.1	2.96E-90	-1.07595	0.123	0.335	4.42E-86	Class-G	SLC11A1
CD300A.11	5.49E-90	-0.85778	0.012	0.221	8.21E-86	Class-G	CD300A
TGFBI.11	8.08E-90	-0.89161	0.022	0.235	1.21E-85	Class-G	TGFBI
GADD45B.7	8.50E-90	-0.96932	0.34	0.515	1.27E-85	Class-G	GADD45B
TTC3.10	8.71E-90	0.218836	0.939	0.447	1.30E-85	Class-G	TTC3
METTL9.1C	2.24E-89	0.186443	0.876	0.402	3.35E-85	Class-G	METTL9
NR4A1.10	5.83E-89	-0.93448	0.086	0.303	8.71E-85	Class-G	NR4A1
LGALS1.8	1.05E-88	0.106013	0.177	0.044	1.57E-84	Class-G	LGALS1
EIF6.3	1.67E-88	0.135466	0.929	0.454	2.50E-84	Class-G	EIF6
DDT.5	1.96E-88	0.125537	0.932	0.455	2.92E-84	Class-G	DDT
COL5A3.2	2.24E-88	0.117399	0.09	0.011	3.35E-84	Class-G	COL5A3
LINC00493.3	7.9E-88	0.113067	0.937	0.463	5.67E-84	Class-G	LINC00493
SNF8.8	4.59E-88	0.157555	0.868	0.393	6.85E-84	Class-G	SNF8
CYBB.11	7.75E-88	-0.84464	0.015	0.221	1.16E-83	Class-G	CYBB
NT5E.6	1.07E-87	0.100535	0.175	0.043	1.60E-83	Class-G	NT5E
EPHA2.1	1.16E-87	0.107592	0.093	0.012	1.73E-83	Class-G	EPHA2
LAT2.11	1.43E-87	-0.87701	0.024	0.232	2.13E-83	Class-G	LAT2
TMBIM6.6	1.54E-87	-0.36126	0.993	0.813	2.30E-83	Class-G	TMBIM6
MGLL.6	1.75E-87	0.119706	0.324	0.116	2.62E-83	Class-G	MGLL

SQSTM1.7	2.40E-87	0.199832	0.926	0.458	3.58E-83	Class-G	SQSTM1
UCP2.11	2.83E-87	-0.97399	0.089	0.302	4.23E-83	Class-G	UCP2
HLA-DQA2.	4.06E-87	-1.05567	0.001	0.2	6.07E-83	Class-G	HLA-DQA2
HBB.6	4.31E-87	-0.87046	0.213	0.429	6.44E-83	Class-G	HBB
POLR2K.4	4.65E-87	0.114665	0.908	0.421	6.95E-83	Class-G	POLR2K
ABCD2	1.16E-86	0.101575	0.079	0.008	1.74E-82	Class-G	ABCD2
P4HB.7	1.28E-86	0.250489	0.962	0.508	1.91E-82	Class-G	P4HB
CLEC2B.11	2.24E-86	-0.86189	0.026	0.234	3.34E-82	Class-G	CLEC2B
EFNA2.9	4.25E-86	0.107809	0.153	0.034	6.35E-82	Class-G	EFNA2
ROMO1.6	4.74E-86	0.160566	0.951	0.537	7.08E-82	Class-G	ROMO1
MNDA.11	4.76E-86	-0.83959	0.005	0.205	7.11E-82	Class-G	MNDA
EIF2S2.6	6.16E-86	0.145844	0.967	0.526	9.21E-82	Class-G	EIF2S2
ZFP30.3	4.12E-85	0.100126	0.149	0.033	6.15E-81	Class-G	ZFP30
COMT.8	8.34E-85	0.152924	0.958	0.48	1.25E-80	Class-G	COMT
LYZ.11	1.28E-84	-0.90762	0.03	0.235	1.91E-80	Class-G	LYZ
C1S.9	1.38E-84	-0.27241	0.36	0.13	2.07E-80	Class-G	C1S
CHCHD2.7	1.46E-84	-0.27527	0.998	0.861	2.18E-80	Class-G	CHCHD2
COX16.4	1.77E-84	0.176478	0.898	0.435	2.65E-80	Class-G	COX16
NBEAL1.7	2.09E-84	-0.84301	0.756	0.65	3.12E-80	Class-G	NBEAL1
RER1.8	5.57E-84	0.164864	0.904	0.43	8.32E-80	Class-G	RER1
FOLR2.11	1.68E-83	-1.02134	0.009	0.205	2.52E-79	Class-G	FOLR2
NONO.10	2.27E-83	0.123529	0.871	0.387	3.39E-79	Class-G	NONO
CTSH.11	3.72E-83	-1.02607	0.122	0.324	5.56E-79	Class-G	CTSH
PYURF.7	5.84E-83	0.218655	0.944	0.475	8.72E-79	Class-G	PYURF
GDI1.10	6.13E-83	0.125836	0.91	0.416	9.16E-79	Class-G	GDI1
EEF1B2.1C	6.14E-83	-0.4055	0.947	0.748	9.18E-79	Class-G	EEF1B2
PLEK.11	1.78E-82	-0.83624	0.008	0.202	2.66E-78	Class-G	PLEK
SLC4A11	2.00E-82	0.132271	0.087	0.012	3.00E-78	Class-G	SLC4A11
ABI3.11	6.43E-82	-0.83299	0.021	0.217	9.61E-78	Class-G	ABI3
CLEC7A.11	7.51E-82	-0.7856	0.009	0.202	1.12E-77	Class-G	CLEC7A
KPNB1.9	7.86E-82	0.141237	0.845	0.383	1.17E-77	Class-G	KPNB1
MSR1.11	1.42E-81	-0.82649	0.013	0.207	2.12E-77	Class-G	MSR1
FCGR1B.1C	1.92E-81	-0.86069	0.001	0.19	2.87E-77	Class-G	FCGR1B
SLC7A7.11	5.35E-81	-0.79051	0.01	0.201	8.00E-77	Class-G	SLC7A7
MZT2B.7	5.57E-81	0.242688	0.962	0.533	8.32E-77	Class-G	MZT2B
MBP.6	2.33E-80	-1.07745	0.062	0.267	3.48E-76	Class-G	MBP
MARCH1.9	2.38E-80	-0.66636	0.021	0.218	3.56E-76	Class-G	1-Mar
LGALS9.11	2.74E-80	-0.92947	0.067	0.268	4.09E-76	Class-G	LGALS9
ADAP2.11	2.99E-80	-0.78694	0.018	0.211	4.47E-76	Class-G	ADAP2
NNAT.11	4.44E-80	-0.95729	0.025	0.223	6.64E-76	Class-G	NNAT
CD83.10	5.86E-80	-1.04925	0.126	0.322	8.76E-76	Class-G	CD83
SKP1.8	1.00E-79	-0.34722	0.999	0.843	1.50E-75	Class-G	SKP1
CTSC.11	1.05E-79	-1.10361	0.245	0.406	1.57E-75	Class-G	CTSC
HMOX1.11	2.03E-79	-1.05739	0.127	0.322	3.03E-75	Class-G	HMOX1
C9orf16.6	1.17E-78	0.202803	0.93	0.525	1.75E-74	Class-G	C9orf16
SIGLEC10.	1.22E-78	-0.73557	0.004	0.188	1.82E-74	Class-G	SIGLEC10
ANXA1.8	1.58E-78	-1.06833	0.268	0.433	2.36E-74	Class-G	ANXA1
TNFSF13B.	3.86E-78	-0.81924	0.036	0.231	5.77E-74	Class-G	TNFSF13B
PSMD3.6	3.97E-78	0.105252	0.774	0.344	5.93E-74	Class-G	PSMD3
NDUFS6.4	4.84E-78	0.141236	0.97	0.571	7.23E-74	Class-G	NDUFS6
FAM26F.11	1.31E-77	-0.70757	0.008	0.193	1.96E-73	Class-G	FAM26F

CPM. 8	1. 67E-77	-0.88116	0.064	0.263	2. 50E-73 Class-G	CPM
SNRNP70. 7	1. 75E-77	0.151701	0.885	0.408	2. 61E-73 Class-G	SNRNP70
MYBPC1. 7	2. 27E-77	0.172954	0.133	0.03	3. 40E-73 Class-G	MYBPC1
PPIA. 5	2. 61E-77	-0.29125	0.994	0.856	3. 90E-73 Class-G	PPIA
APBB1IP. 1	3. 30E-77	-0.6988	0.002	0.182	4. 94E-73 Class-G	APBB1IP
RNASE2. 11	9. 26E-77	-0.82895	0.003	0.183	1. 38E-72 Class-G	RNASE2
CTSB. 8	1. 52E-76	-0.58075	0.922	0.73	2. 27E-72 Class-G	CTSB
HMOX2. 6	1. 54E-76	-0.10939	0.583	0.248	2. 30E-72 Class-G	HMOX2
ARL6IP1. 5	2. 53E-76	-0.42431	0.931	0.711	3. 78E-72 Class-G	ARL6IP1
STMN2. 11	2. 98E-76	-0.99371	0.024	0.213	4. 45E-72 Class-G	STMN2
APLP1. 11	5. 48E-76	-0.11397	0.695	0.295	8. 20E-72 Class-G	APLP1
PARVG. 11	6. 12E-76	-0.7421	0.007	0.187	9. 14E-72 Class-G	PARVG
CAPG. 11	7. 25E-76	-1.09047	0.303	0.433	1. 08E-71 Class-G	CAPG
MATR3. 10	8. 10E-76	0.150906	0.913	0.417	1. 21E-71 Class-G	MATR3
TREM1. 10	8. 96E-76	-0.88877	0.008	0.189	1. 34E-71 Class-G	TREM1
AAMDC. 8	9. 99E-76	-0.12652	0.426	0.17	1. 49E-71 Class-G	AAMDC
FGL2. 11	1. 03E-75	-0.80046	0.018	0.202	1. 54E-71 Class-G	FGL2
HNRNPDL. 6	2. 08E-75	-0.32925	0.985	0.767	3. 10E-71 Class-G	HNRNPDL
PDK4. 10	2. 48E-75	-0.78254	0.013	0.195	3. 70E-71 Class-G	PDK4
IRF8. 11	3. 91E-75	-0.71837	0.005	0.183	5. 84E-71 Class-G	IRF8
PRRC2C. 7	5. 04E-75	0.109703	0.892	0.415	7. 53E-71 Class-G	PRRC2C
GPRC5C. 3	7. 09E-75	0.11224	0.181	0.051	1. 06E-70 Class-G	GPRC5C
PCDHB14. 5	1. 67E-74	0.158687	0.151	0.039	2. 49E-70 Class-G	PCDHB14
MED28. 6	2. 02E-74	-0.10089	0.661	0.286	3. 02E-70 Class-G	MED28
PSMC5. 4	2. 81E-74	0.116738	0.957	0.489	4. 21E-70 Class-G	PSMC5
ATP5G2. 4	4. 71E-74	-0.32122	0.995	0.849	7. 04E-70 Class-G	ATP5G2
RP11-15A1	5. 94E-74	0.110984	0.151	0.038	8. 88E-70 Class-G	RP11-15A1. 3
LSP1. 11	1. 23E-73	-0.80861	0.013	0.191	1. 83E-69 Class-G	LSP1
SRRM2. 6	1. 71E-73	0.186126	0.94	0.466	2. 56E-69 Class-G	SRRM2
RTFDC1. 3	1. 90E-73	0.131619	0.933	0.474	2. 84E-69 Class-G	RTFDC1
F13A1. 8	2. 58E-73	-0.92926	0.008	0.183	3. 85E-69 Class-G	F13A1
LUC7L3. 8	8. 56E-73	0.125583	0.922	0.443	1. 28E-68 Class-G	LUC7L3
SAP18. 3	9. 09E-73	-0.40454	0.968	0.733	1. 36E-68 Class-G	SAP18
SLC2A5. 11	1. 23E-72	-0.8591	0.018	0.195	1. 85E-68 Class-G	SLC2A5
STK4. 8	1. 59E-72	-0.10627	0.565	0.241	2. 37E-68 Class-G	STK4
ADRM1. 2	2. 16E-72	0.122703	0.899	0.445	3. 23E-68 Class-G	ADRM1
ELN. 8	7. 85E-72	0.150691	0.243	0.086	1. 17E-67 Class-G	ELN
PTPN6. 11	7. 99E-72	-0.7038	0.012	0.186	1. 19E-67 Class-G	PTPN6
S100A9. 11	8. 49E-72	-1.07794	0.065	0.25	1. 27E-67 Class-G	S100A9
RP11-544A	1. 97E-71	0.112657	0.202	0.063	2. 95E-67 Class-G	RP11-544A12. 8
HAMP. 11	3. 44E-71	-0.90303	0.012	0.185	5. 14E-67 Class-G	HAMP
CYC1. 9	3. 70E-71	0.197675	0.94	0.474	5. 53E-67 Class-G	CYC1
TMSB10. 8	4. 69E-71	-0.36812	0.997	0.959	7. 01E-67 Class-G	TMSB10
EAPP. 8	6. 06E-71	-0.12377	0.683	0.3	9. 05E-67 Class-G	EAPP
GNG5. 9	7. 73E-71	0.109698	0.979	0.589	1. 16E-66 Class-G	GNG5
C6orf62. 7	9. 82E-71	0.10064	0.848	0.387	1. 47E-66 Class-G	C6orf62
TM6SF1. 11	1. 00E-70	-0.77955	0.011	0.182	1. 50E-66 Class-G	TM6SF1
PRELID1. 5	1. 02E-70	0.234355	0.948	0.496	1. 53E-66 Class-G	PRELID1
DUSP23. 1C	1. 26E-70	-0.72979	0.033	0.213	1. 89E-66 Class-G	DUSP23
DNAJB6. 4	1. 46E-70	-0.47745	0.922	0.674	2. 19E-66 Class-G	DNAJB6
CSF3R. 10	2. 09E-70	-0.73618	0.007	0.176	3. 12E-66 Class-G	CSF3R

GIMAP4.11	2.53E-70	-0.75162	0.005	0.173	3.78E-66 Class-G	GIMAP4
GGA1.7	3.55E-70	-0.10276	0.567	0.244	5.30E-66 Class-G	GGA1
CTSZ.11	4.29E-70	-0.89241	0.101	0.282	6.41E-66 Class-G	CTSZ
SLC25A6.6	4.72E-70	-0.28137	0.988	0.836	7.05E-66 Class-G	SLC25A6
DAB2.10	5.08E-70	-0.69732	0.006	0.174	7.59E-66 Class-G	DAB2
WAS.11	1.74E-69	-0.73435	0.025	0.199	2.59E-65 Class-G	WAS
KLF15.5	3.17E-69	0.106592	0.119	0.026	4.74E-65 Class-G	KLF15
EMILIN3.6	3.56E-69	0.116025	0.104	0.02	5.32E-65 Class-G	EMILIN3
PCDH9-AS1	3.61E-69	0.108129	0.084	0.013	5.40E-65 Class-G	PCDH9-AS1
SET.7	5.48E-69	0.197916	0.958	0.496	8.19E-65 Class-G	SET
PLD4.11	5.53E-69	-0.75208	0.01	0.177	8.26E-65 Class-G	PLD4
LSM7.8	6.23E-69	0.172358	0.979	0.574	9.31E-65 Class-G	LSM7
CD4.11	6.53E-69	-0.68749	0.011	0.179	9.76E-65 Class-G	CD4
LTF.8	8.32E-69	-1.33046	0.008	0.174	1.24E-64 Class-G	LTF
ELAVL4.1C	1.27E-68	-0.71617	0.028	0.203	1.89E-64 Class-G	ELAVL4
E2F1.6	1.34E-68	0.10596	0.149	0.039	2.00E-64 Class-G	E2F1
TMEM45A.6	1.89E-68	-0.1421	0.366	0.146	2.82E-64 Class-G	TMEM45A
PILRA.10	4.55E-68	-0.79281	0.019	0.189	6.80E-64 Class-G	PILRA
APOE.9	5.66E-68	-0.52134	0.696	0.684	8.46E-64 Class-G	APOE
UQCRFS1.6	6.36E-68	0.189359	0.944	0.479	9.51E-64 Class-G	UQCRFS1
PGK1.7	8.48E-68	-0.4949	0.925	0.725	1.27E-63 Class-G	PGK1
AURKAIP1.8	9.93E-68	0.177822	0.97	0.547	1.33E-63 Class-G	AURKAIP1
SCIN.11	1.65E-67	-0.80258	0.01	0.174	2.46E-63 Class-G	SCIN
ADAM28.1C	1.71E-67	-0.70276	0.003	0.164	2.55E-63 Class-G	ADAM28
KRT10.7	2.94E-67	0.220978	0.944	0.495	4.39E-63 Class-G	KRT10
FERMT3.11	4.37E-67	-0.7058	0.022	0.19	6.52E-63 Class-G	FERMT3
MTIF3.5	5.66E-67	-0.10829	0.66	0.294	8.46E-63 Class-G	MTIF3
IGSF6.11	1.15E-66	-0.74712	0.013	0.176	1.72E-62 Class-G	IGSF6
NGDN.6	1.32E-66	-0.11649	0.513	0.222	1.97E-62 Class-G	NGDN
ELMO1.8	1.56E-66	-0.70334	0.039	0.215	2.33E-62 Class-G	ELMO1
FAM105A.1	1.58E-66	-0.69905	0.019	0.186	2.36E-62 Class-G	FAM105A
SNRPB2.7	2.09E-66	0.12846	0.941	0.502	3.12E-62 Class-G	SNRPB2
BCL2A1.11	3.26E-66	-0.70505	0.016	0.18	4.87E-62 Class-G	BCL2A1
FCGR2B.11	3.71E-66	-0.78213	0.007	0.166	5.54E-62 Class-G	FCGR2B
STXBP2.11	3.83E-66	-0.71706	0.028	0.196	5.73E-62 Class-G	STXBP2
TMEM165.5	4.38E-66	0.108205	0.842	0.393	6.55E-62 Class-G	TMEM165
STX8.2	4.90E-66	-0.1291	0.688	0.307	7.32E-62 Class-G	STX8
SNCA.11	5.74E-66	-0.71808	0.007	0.166	8.58E-62 Class-G	SNCA
DTX3.7	8.76E-66	-0.10711	0.499	0.215	1.31E-61 Class-G	DTX3
HCK.11	8.81E-66	-0.71588	0.024	0.191	1.32E-61 Class-G	HCK
STAB1.10	1.39E-65	-0.7617	0.02	0.185	2.08E-61 Class-G	STAB1
LSM4.6	1.78E-65	0.181693	0.94	0.498	2.66E-61 Class-G	LSM4
ENTPD1.11	2.29E-65	-0.71571	0.021	0.185	3.42E-61 Class-G	ENTPD1
BET1.7	2.54E-65	-0.11183	0.438	0.186	3.80E-61 Class-G	BET1
DERA.5	3.34E-65	-0.11659	0.492	0.212	4.99E-61 Class-G	DERA
TCEAL1.8	4.35E-65	-0.10643	0.497	0.215	6.49E-61 Class-G	TCEAL1
ALOX5.11	5.43E-65	-0.63461	0.004	0.16	8.12E-61 Class-G	ALOX5
LAMP1.9	7.90E-65	0.168177	0.923	0.455	1.18E-60 Class-G	LAMP1
CD69.8	1.33E-64	-0.828	0.015	0.176	1.99E-60 Class-G	CD69
MTCH1.3	1.40E-64	0.183124	0.928	0.47	2.09E-60 Class-G	MTCH1
TMEM161B-	1.40E-64	-0.11175	0.558	0.245	2.10E-60 Class-G	TMEM161B-AS1

POLR3GL. 4	1.49E-64	-0.12619	0.672	0.298	2.23E-60	Class-G	POLR3GL
LAPTM4A. 7	1.85E-64	-0.3994	0.963	0.741	2.77E-60	Class-G	LAPTM4A
OSM. 10	2.17E-64	-0.78208	0.01	0.167	3.25E-60	Class-G	OSM
RAB10. 4	2.60E-64	0.125336	0.897	0.43	3.89E-60	Class-G	RAB10
XAF1. 6	3.69E-64	0.110751	0.238	0.087	5.52E-60	Class-G	XAF1
LANCL2. 1C	4.09E-64	0.149745	0.305	0.127	6.11E-60	Class-G	LANCL2
NCOA4. 11	4.82E-64	-0.10767	0.515	0.221	7.20E-60	Class-G	NCOA4
TMEM261. 4	5.13E-64	-0.10563	0.684	0.307	7.66E-60	Class-G	TMEM261
CFD. 10	5.67E-64	-0.72455	0.018	0.179	8.47E-60	Class-G	CFD
LCP1. 10	5.93E-64	-0.64697	0.008	0.164	8.86E-60	Class-G	LCP1
TRMT1. 8	6.47E-64	-0.13969	0.501	0.217	9.67E-60	Class-G	TRMT1
ZNF302. 1C	6.83E-64	-0.11822	0.599	0.268	1.02E-59	Class-G	ZNF302
ZNF90. 7	1.39E-63	-1.07826	0.265	0.398	2.08E-59	Class-G	ZNF90
ARHGAP24. 2	0.7E-63	-0.69801	0.013	0.171	3.09E-59	Class-G	ARHGAP24
TMED5. 9	2.85E-63	-0.10197	0.587	0.26	4.26E-59	Class-G	TMED5
C8orf4. 9	5.49E-63	-0.45478	0.451	0.191	8.20E-59	Class-G	C8orf4
IL10RA. 11	5.52E-63	-0.63031	0.007	0.16	8.25E-59	Class-G	IL10RA
DLX5. 11	1.32E-62	-0.76784	0.01	0.166	1.97E-58	Class-G	DLX5
MLF2. 10	1.62E-62	0.140787	0.977	0.549	2.42E-58	Class-G	MLF2
GNAI2. 10	2.16E-62	0.104559	0.878	0.418	3.23E-58	Class-G	GNAI2
DECR1. 6	9.50E-62	-0.1043	0.77	0.353	1.42E-57	Class-G	DECR1
CLDND1. 7	2.86E-61	-0.22496	0.744	0.336	4.27E-57	Class-G	CLDND1
MTRNR2L1. 3	1.8E-61	-0.93723	0.049	0.216	4.75E-57	Class-G	MTRNR2L1
NCF4. 11	6.29E-61	-0.71093	0.015	0.167	9.40E-57	Class-G	NCF4
IL1B. 10	8.23E-61	-0.89643	0.079	0.245	1.23E-56	Class-G	IL1B
TOMM7. 4	8.38E-61	-0.35635	0.993	0.829	1.25E-56	Class-G	TOMM7
ETS2. 11	2.04E-60	-0.72325	0.066	0.23	3.06E-56	Class-G	ETS2
PQBP1. 4	3.82E-60	-0.11183	0.647	0.295	5.70E-56	Class-G	PQBP1
IFI35. 9	4.80E-60	-0.17844	0.451	0.195	7.18E-56	Class-G	IFI35
CH25H. 7	6.31E-60	-0.85957	0.016	0.168	9.43E-56	Class-G	CH25H
TWISTNB. 5	1.06E-59	-0.10864	0.514	0.229	1.59E-55	Class-G	TWISTNB
DEK. 7	1.14E-59	0.110053	0.847	0.401	1.71E-55	Class-G	DEK
SDCBP. 8	1.63E-59	-0.4496	0.928	0.696	2.44E-55	Class-G	SDCBP
SLC25A37. 1	1.95E-59	-0.16231	0.589	0.264	2.91E-55	Class-G	SLC25A37
HIST1H2AC. 2	3.2E-59	-0.11524	0.338	0.139	3.46E-55	Class-G	HIST1H2AC
S100A8. 11	3.52E-59	-0.96675	0.049	0.207	5.26E-55	Class-G	S100A8
HNRNPA2B1. 6	8.2E-59	-0.24153	0.998	0.82	1.02E-54	Class-G	HNRNPA2B1
GPR65. 11	1.10E-58	-0.61882	0.008	0.154	1.64E-54	Class-G	GPR65
RNASE1. 8	1.20E-58	-1.00085	0.035	0.191	1.79E-54	Class-G	RNASE1
PBDC1. 4	1.46E-58	-0.11022	0.495	0.222	2.18E-54	Class-G	PBDC1
MARCKS. 8	1.51E-58	0.242133	0.964	0.538	2.26E-54	Class-G	MARCKS
CST3. 7	1.81E-58	0.165406	0.995	0.753	2.70E-54	Class-G	CST3
PSMB9. 9	2.86E-58	-0.16644	0.76	0.347	4.27E-54	Class-G	PSMB9
SREK1IP1. 3	5.6E-58	-0.13506	0.634	0.29	5.33E-54	Class-G	SREK1IP1
RANBP1. 1C	4.22E-58	0.173094	0.958	0.516	6.30E-54	Class-G	RANBP1
CD84. 11	5.74E-58	-0.60111	0.007	0.149	8.58E-54	Class-G	CD84
MYO1F. 11	7.77E-58	-0.73053	0.049	0.206	1.16E-53	Class-G	MYO1F
SNAPC1. 6	1.32E-57	-0.11242	0.372	0.158	1.98E-53	Class-G	SNAPC1
TSC22D3. 9	1.54E-57	-0.87372	0.403	0.465	2.30E-53	Class-G	TSC22D3
PTGER4. 1C	1.73E-57	-0.57955	0.004	0.143	2.59E-53	Class-G	PTGER4
MAP3K8. 11	1.77E-57	-0.75793	0.05	0.205	2.65E-53	Class-G	MAP3K8

MYL6. 7	4. 95E-57	-0. 33012	0. 998	0. 932	7. 40E-53 Class-G	MYL6
TSNAX. 2	5. 63E-57	-0. 11776	0. 596	0. 273	8. 42E-53 Class-G	TSNAX
TMEM107. 5	6. 51E-57	-0. 12631	0. 421	0. 184	9. 73E-53 Class-G	TMEM107
UROD. 6	7. 53E-57	-0. 1363	0. 665	0. 309	1. 12E-52 Class-G	UROD
DLX6-AS1. 9	6. 3E-57	-0. 79662	0. 008	0. 15	1. 44E-52 Class-G	DLX6-AS1
TUBA1B. 6	1. 72E-56	-0. 3009	0. 995	0. 879	2. 57E-52 Class-G	TUBA1B
ARID5A. 7	2. 14E-56	-0. 10365	0. 543	0. 248	3. 20E-52 Class-G	ARID5A
MFNG. 10	8. 74E-56	-0. 54888	0. 007	0. 146	1. 31E-51 Class-G	MFNG
UBAC2. 10	1. 50E-55	-0. 12432	0. 511	0. 232	2. 24E-51 Class-G	UBAC2
CD33. 11	1. 89E-55	-0. 60664	0. 004	0. 139	2. 83E-51 Class-G	CD33
CMC2. 6	3. 64E-55	-0. 10914	0. 572	0. 261	5. 45E-51 Class-G	CMC2
AOAH. 10	3. 77E-55	-0. 61193	0. 006	0. 142	5. 63E-51 Class-G	AOAH
NCKAP1L. 1	4. 70E-55	-0. 58038	0. 005	0. 141	7. 02E-51 Class-G	NCKAP1L
TMEM173. 1	6. 22E-55	-0. 59869	0. 008	0. 146	9. 29E-51 Class-G	TMEM173
RP11-552D	7. 26E-55	-0. 69911	0. 004	0. 139	1. 08E-50 Class-G	RP11-552D4. 1
SLPI. 8	1. 18E-54	-1. 33327	0. 025	0. 17	1. 76E-50 Class-G	SLPI
RCS1. 10	2. 05E-54	-0. 58292	0. 005	0. 139	3. 06E-50 Class-G	RCS1
PTAFR. 11	2. 27E-54	-0. 58616	0. 008	0. 144	3. 39E-50 Class-G	PTAFR
RASGEF1B. 2	3. 2E-54	-0. 56708	0. 005	0. 139	3. 46E-50 Class-G	RASGEF1B
SERPINB9. 4	1. 5E-54	-0. 64457	0. 024	0. 166	6. 21E-50 Class-G	SERPINB9
DOCK8. 11	4. 90E-54	-0. 55675	0. 006	0. 14	7. 32E-50 Class-G	DOCK8
ATP6VOA1. 7	4. 5E-54	-0. 12239	0. 535	0. 244	1. 11E-49 Class-G	ATP6VOA1
CD55. 10	9. 42E-54	-0. 56008	0. 004	0. 136	1. 41E-49 Class-G	CD55
SNAP23. 1C	1. 01E-53	-0. 16884	0. 465	0. 208	1. 50E-49 Class-G	SNAP23
AIP. 3	1. 23E-53	-0. 13189	0. 565	0. 261	1. 83E-49 Class-G	AIP
C14orf2. 5	2. 00E-53	0. 106362	0. 981	0. 601	2. 99E-49 Class-G	C14orf2
PADI2. 9	2. 05E-53	-0. 59412	0. 016	0. 154	3. 06E-49 Class-G	PADI2
HES6. 9	2. 12E-53	-0. 14542	0. 532	0. 246	3. 17E-49 Class-G	HES6
QARS. 8	2. 62E-53	-0. 11733	0. 527	0. 242	3. 92E-49 Class-G	QARS
TCEAL2. 9	6. 10E-53	-0. 58533	0. 048	0. 201	9. 12E-49 Class-G	TCEAL2
CLDN5	6. 47E-53	0. 126233	0. 066	0. 011	9. 67E-49 Class-G	CLDN5
PYCARD. 11	9. 20E-53	-0. 90114	0. 166	0. 304	1. 37E-48 Class-G	PYCARD
UQCR11. 6	1. 54E-52	-1. 23769	0. 004	0. 133	2. 30E-48 Class-G	UQCR11
NUP107. 1C	3. 54E-52	-0. 13854	0. 423	0. 191	5. 30E-48 Class-G	NUP107
ATP6VOE1. 3	8. 5E-52	-0. 40555	0. 962	0. 727	5. 76E-48 Class-G	ATP6VOE1
LINC01094	4. 59E-52	-0. 69386	0. 033	0. 174	6. 85E-48 Class-G	LINC01094
ZNF331. 1C	5. 18E-52	-0. 91715	0. 204	0. 334	7. 74E-48 Class-G	ZNF331
BIN2. 10	5. 73E-52	-0. 5334	0. 003	0. 13	8. 57E-48 Class-G	BIN2
MGST3. 5	8. 62E-52	-0. 50901	0. 901	0. 659	1. 29E-47 Class-G	MGST3
FAM162A. 9	1. 01E-51	-0. 1746	0. 736	0. 346	1. 51E-47 Class-G	FAM162A
ATP5J2. 7	1. 08E-51	-0. 28239	0. 989	0. 778	1. 61E-47 Class-G	ATP5J2
GADD45G. 1	1. 13E-51	-0. 68476	0. 123	0. 277	1. 69E-47 Class-G	GADD45G
KRCC1. 2	1. 20E-51	-0. 10716	0. 432	0. 197	1. 80E-47 Class-G	KRCC1
IGBP1. 3	1. 38E-51	-0. 12216	0. 634	0. 298	2. 06E-47 Class-G	IGBP1
JUNB. 6	1. 47E-51	-0. 37971	0. 889	0. 697	2. 19E-47 Class-G	JUNB
TAX1BP3. 7	1. 72E-51	-0. 11232	0. 696	0. 33	2. 56E-47 Class-G	TAX1BP3
ARMC8. 4	1. 99E-51	-0. 10123	0. 383	0. 17	2. 98E-47 Class-G	ARMC8
CSTA. 11	2. 02E-51	-0. 5681	0. 015	0. 147	3. 02E-47 Class-G	CSTA
BEX4. 9	2. 21E-51	-0. 7209	0. 441	0. 482	3. 30E-47 Class-G	BEX4
GNA15. 11	3. 08E-51	-0. 49687	0. 002	0. 127	4. 60E-47 Class-G	GNA15
CYB5R4. 1C	3. 69E-51	-0. 11528	0. 344	0. 149	5. 52E-47 Class-G	CYB5R4

FBP1. 11	6. 60E-51	-0. 52468	0. 007	0. 135	9. 86E-47 Class-G	FBP1
NUPL2. 7	6. 64E-51	-0. 12892	0. 497	0. 231	9. 92E-47 Class-G	NUPL2
CYTH4. 11	8. 23E-51	-0. 53295	0. 004	0. 13	1. 23E-46 Class-G	CYTH4
DNAJC15. 8	9. 13E-51	-0. 1457	0. 714	0. 337	1. 36E-46 Class-G	DNAJC15
RNASSET2. 1	1. 10E-50	-0. 96319	0. 483	0. 483	1. 64E-46 Class-G	RNASSET2
LPCAT2. 11	1. 22E-50	-0. 59134	0. 03	0. 167	1. 83E-46 Class-G	LPCAT2
NHLRC3. 4	2. 02E-50	-0. 14688	0. 5	0. 232	3. 02E-46 Class-G	NHLRC3
HNRNPK. 7	2. 25E-50	-0. 23505	0. 994	0. 755	3. 36E-46 Class-G	HNRNPK
KLF6. 9	3. 56E-50	-0. 77122	0. 546	0. 529	5. 33E-46 Class-G	KLF6
RAC2. 11	4. 07E-50	-0. 58113	0. 01	0. 137	6. 09E-46 Class-G	RAC2
HSP90AB1. 4	9. 99E-50	-0. 19994	0. 993	0. 792	7. 46E-46 Class-G	HSP90AB1
IGSF21. 9	6. 82E-50	-0. 58091	0. 042	0. 183	1. 02E-45 Class-G	IGSF21
NCL. 7	6. 91E-50	0. 143373	0. 935	0. 493	1. 03E-45 Class-G	NCL
APLP2. 9	1. 21E-49	0. 158341	0. 968	0. 532	1. 80E-45 Class-G	APLP2
ZNF655. 3	1. 37E-49	-0. 1047	0. 446	0. 206	2. 04E-45 Class-G	ZNF655
MALAT1. 1C	1. 57E-49	-0. 2521	1	0. 995	2. 35E-45 Class-G	MALAT1
PHACTR1. 1	2. 54E-49	-0. 5875	0. 01	0. 135	3. 80E-45 Class-G	PHACTR1
RP11-161M	3. 01E-49	-0. 10458	0. 326	0. 141	4. 50E-45 Class-G	RP11-161M6. 2
LSM6. 5	3. 14E-49	-0. 10466	0. 603	0. 286	4. 69E-45 Class-G	LSM6
CDC42SE2. 3	9. 98E-49	-0. 11321	0. 412	0. 187	5. 95E-45 Class-G	CDC42SE2
MED4. 3	6. 46E-49	-0. 10707	0. 759	0. 36	9. 66E-45 Class-G	MED4
NUBP1. 7	9. 92E-49	-0. 14454	0. 409	0. 187	1. 48E-44 Class-G	NUBP1
ITM2B. 6	1. 08E-48	-0. 1645	0. 991	0. 768	1. 61E-44 Class-G	ITM2B
BRE. 3	1. 21E-48	-0. 14098	0. 423	0. 194	1. 81E-44 Class-G	BRE
KLF4. 11	1. 31E-48	-0. 70542	0. 084	0. 226	1. 96E-44 Class-G	KLF4
HMHA1. 11	1. 89E-48	-0. 50304	0. 005	0. 125	2. 82E-44 Class-G	HMHA1
TMEM18. 4	2. 04E-48	-0. 14537	0. 39	0. 177	3. 04E-44 Class-G	TMEM18
TLR2. 11	2. 54E-48	-0. 54495	0. 007	0. 128	3. 80E-44 Class-G	TLR2
SERPING1. 2	6. 1E-48	-1. 09021	0. 112	0. 254	3. 91E-44 Class-G	SERPING1
IDH3G. 5	2. 87E-48	-0. 10938	0. 729	0. 35	4. 28E-44 Class-G	IDH3G
PPP1R10. 6	3. 08E-48	-0. 12978	0. 531	0. 248	4. 61E-44 Class-G	PPP1R10
GOLT1B. 7	3. 92E-48	-0. 12147	0. 439	0. 205	5. 85E-44 Class-G	GOLT1B
MGMT. 10	4. 74E-48	-0. 6101	0. 036	0. 17	7. 09E-44 Class-G	MGMT
EXOSC8. 9	4. 75E-48	-0. 11393	0. 529	0. 25	7. 09E-44 Class-G	EXOSC8
ARPC2. 9	5. 80E-48	-0. 24968	0. 962	0. 743	8. 67E-44 Class-G	ARPC2
AKAP13. 1C	8. 61E-48	-0. 16555	0. 597	0. 281	1. 29E-43 Class-G	AKAP13
OSER1. 5	8. 83E-48	-0. 18082	0. 554	0. 26	1. 32E-43 Class-G	OSER1
LTC4S. 11	9. 95E-48	-0. 69749	0. 052	0. 187	1. 49E-43 Class-G	LTC4S
GSTA4. 10	1. 20E-47	-0. 14233	0. 534	0. 25	1. 79E-43 Class-G	GSTA4
UBE2D3. 8	2. 11E-47	-0. 34799	0. 949	0. 691	3. 15E-43 Class-G	UBE2D3
COMMD3. 4	2. 51E-47	-0. 15252	0. 646	0. 307	3. 75E-43 Class-G	COMMD3
RIC3. 8	2. 57E-47	-0. 1252	0. 426	0. 199	3. 84E-43 Class-G	RIC3
EIF3K. 8	3. 12E-47	-0. 40404	0. 96	0. 725	4. 66E-43 Class-G	EIF3K
STX11. 10	3. 25E-47	-0. 54147	0. 01	0. 131	4. 86E-43 Class-G	STX11
SERTAD3. 1	3. 58E-47	-0. 14604	0. 331	0. 148	5. 35E-43 Class-G	SERTAD3
GLRX3. 6	3. 61E-47	-0. 1514	0. 556	0. 263	5. 40E-43 Class-G	GLRX3
HLA-B. 8	5. 08E-47	-0. 35783	0. 992	0. 829	7. 59E-43 Class-G	HLA-B
EMP3. 10	5. 20E-47	-0. 12906	0. 819	0. 388	7. 77E-43 Class-G	EMP3
TCEAL7. 9	6. 75E-47	-0. 1802	0. 555	0. 261	1. 01E-42 Class-G	TCEAL7
SRP19. 2	7. 32E-47	-0. 11151	0. 731	0. 351	1. 09E-42 Class-G	SRP19
GAA. 10	8. 10E-47	-0. 15403	0. 589	0. 276	1. 21E-42 Class-G	GAA

LINC00969	9.18E-47	-0.11162	0.448	0.21	1.37E-42 Class-G	LINC00969
NABP1.9	1.05E-46	-0.53822	0.018	0.141	1.56E-42 Class-G	NABP1
SYK.11	1.20E-46	-0.47818	0.005	0.122	1.79E-42 Class-G	SYK
TMEM119.9	1.21E-46	-0.55849	0.005	0.121	1.80E-42 Class-G	TMEM119
WRB.10	1.66E-46	-0.14869	0.765	0.363	2.48E-42 Class-G	WRB
SGK1.11	1.70E-46	-0.93884	0.404	0.442	2.54E-42 Class-G	SGK1
LCP2.11	1.72E-46	-0.51784	0.012	0.132	2.57E-42 Class-G	LCP2
FBL.7	1.89E-46	-0.16247	0.68	0.328	2.83E-42 Class-G	FBL
FAM204A.7	2.39E-46	-0.14874	0.472	0.222	3.57E-42 Class-G	FAM204A
HIST1H2BK	2.89E-46	-0.13085	0.39	0.178	4.32E-42 Class-G	HIST1H2BK
NR4A3.10	3.13E-46	-0.64651	0.039	0.169	4.68E-42 Class-G	NR4A3
SDCCAG8.6	3.32E-46	-0.15707	0.596	0.286	4.96E-42 Class-G	SDCCAG8
TNFRSF1B.3	3.78E-46	-0.66376	0.072	0.207	5.65E-42 Class-G	TNFRSF1B
ABCG1.8	4.06E-46	-0.48572	0.024	0.149	6.07E-42 Class-G	ABCG1
SAA1.8	4.30E-46	-1.29807	0.015	0.136	6.42E-42 Class-G	SAA1
ACSL1.10	4.84E-46	-0.72864	0.112	0.246	7.24E-42 Class-G	ACSL1
TMEM176A.4	4.85E-46	-0.80889	0.11	0.246	7.25E-42 Class-G	TMEM176A
TAGAP.11	7.18E-46	-0.54588	0.003	0.117	1.07E-41 Class-G	TAGAP
IL10.11	8.89E-46	-0.59374	0.007	0.122	1.33E-41 Class-G	IL10
EPB41L3.1	1.10E-45	-0.47709	0.006	0.121	1.65E-41 Class-G	EPB41L3
HLA-DQB2.1	1.16E-45	-0.69844	0.001	0.113	1.73E-41 Class-G	HLA-DQB2
SDHB.4	1.51E-45	-0.10851	0.765	0.368	2.26E-41 Class-G	SDHB
TRABD.11	1.72E-45	-0.13423	0.478	0.223	2.56E-41 Class-G	TRABD
GSTP1.6	2.07E-45	-0.30816	0.992	0.794	3.09E-41 Class-G	GSTP1
PPP1R7.5	2.10E-45	-0.14947	0.641	0.307	3.14E-41 Class-G	PPP1R7
NUMB.10	2.20E-45	-0.11521	0.324	0.145	3.28E-41 Class-G	NUMB
CTA-29F11	2.50E-45	-0.19615	0.377	0.172	3.74E-41 Class-G	CTA-29F11.1
SNX6.6	2.71E-45	-0.11003	0.777	0.373	4.05E-41 Class-G	SNX6
GNL2.4	3.15E-45	-0.11284	0.384	0.178	4.71E-41 Class-G	GNL2
LACTB2.4	4.04E-45	-0.12587	0.29	0.128	6.03E-41 Class-G	LACTB2
COX5A.7	5.89E-45	0.143195	0.964	0.538	8.80E-41 Class-G	COX5A
H2AFJ.11	8.90E-45	-0.22302	0.48	0.223	1.33E-40 Class-G	H2AFJ
CWC25.3	8.96E-45	-0.12316	0.374	0.173	1.34E-40 Class-G	CWC25
UPF2.5	1.26E-44	-0.16952	0.401	0.187	1.89E-40 Class-G	UPF2
TPRKB.7	1.45E-44	-0.1007	0.658	0.315	2.17E-40 Class-G	TPRKB
CAPZB.10	1.61E-44	-0.43161	0.919	0.666	2.40E-40 Class-G	CAPZB
ST6GAL1.8	2.03E-44	-0.46936	0.011	0.126	3.04E-40 Class-G	ST6GAL1
MPZL1.5	2.10E-44	-0.10223	0.454	0.215	3.14E-40 Class-G	MPZL1
CNIH1.5	3.18E-44	-0.16027	0.664	0.325	4.76E-40 Class-G	CNIH1
TRIM13.7	3.45E-44	-0.10264	0.454	0.216	5.16E-40 Class-G	TRIM13
IER2.10	4.34E-44	-0.54666	0.742	0.594	6.49E-40 Class-G	IER2
CYTIP.10	4.55E-44	-0.55388	0.007	0.12	6.80E-40 Class-G	CYTIP
DYNC1I1.1	4.62E-44	-0.423	0.007	0.12	6.90E-40 Class-G	DYNC1I1
CHORDC1.3	5.50E-44	-0.13505	0.392	0.183	8.22E-40 Class-G	CHORDC1
CLEC5A.1C	7.64E-44	-0.53461	0.005	0.115	1.14E-39 Class-G	CLEC5A
VASP.11	9.22E-44	-0.13843	0.442	0.207	1.38E-39 Class-G	VASP
GPNMB.10	1.00E-43	-0.81433	0.088	0.219	1.50E-39 Class-G	GPNMB
NFKBIA.1C	1.44E-43	-0.72552	0.51	0.498	2.15E-39 Class-G	NFKBIA
GLB1.8	1.49E-43	-0.12937	0.445	0.212	2.23E-39 Class-G	GLB1
RCHY1.6	1.79E-43	-0.13267	0.37	0.172	2.67E-39 Class-G	RCHY1
NFU1.4	1.92E-43	-0.12866	0.544	0.261	2.87E-39 Class-G	NFU1



PSMD9.4	2.04E-43	-0.19355	0.509	0.243	3.05E-39	Class-G	PSMD9
LAMTOR4.3	2.05E-43	-0.32255	0.976	0.729	3.06E-39	Class-G	LAMTOR4
NCF1.11	2.24E-43	-0.52066	0.022	0.14	3.35E-39	Class-G	NCF1
GNB2L1.7	2.34E-43	-0.29388	1	0.933	3.49E-39	Class-G	GNB2L1
RHOA.9	2.54E-43	-0.32155	0.971	0.719	3.79E-39	Class-G	RHOA
HNRNPU.6	2.84E-43	0.107542	0.916	0.467	4.24E-39	Class-G	HNRNPU
TAF1D.3	3.66E-43	-0.14408	0.617	0.298	5.47E-39	Class-G	TAF1D
CYFIP1.1C	3.86E-43	-0.21453	0.52	0.244	5.76E-39	Class-G	CYFIP1
CHI3L2.7	5.18E-43	-1.29006	0.07	0.199	7.73E-39	Class-G	CHI3L2
STK17B.9	5.26E-43	-0.56721	0.029	0.15	7.86E-39	Class-G	STK17B
SIGLEC9.1	7.23E-43	-0.45114	0.002	0.108	1.08E-38	Class-G	SIGLEC9
TNFAIP8L2	7.27E-43	-0.45482	0.003	0.11	1.09E-38	Class-G	TNFAIP8L2
RP11-620J	8.22E-43	-0.21334	0.49	0.234	1.23E-38	Class-G	RP11-620J15.3
EBI3.10	1.14E-42	-0.48927	0.004	0.111	1.70E-38	Class-G	EBI3
LRRC25.11	1.15E-42	-0.44901	0.002	0.107	1.72E-38	Class-G	LRRC25
EFEMP1.9	1.75E-42	-0.32961	0.395	0.192	2.61E-38	Class-G	EFEMP1
TSM.8	1.84E-42	-0.17882	0.498	0.24	2.74E-38	Class-G	TSM
ARHGAP4.1	2.19E-42	-0.49293	0.018	0.132	3.27E-38	Class-G	ARHGAP4
NSMCE2.3	2.44E-42	-0.13539	0.298	0.134	3.65E-38	Class-G	NSMCE2
GSDMD.10	2.79E-42	-0.17131	0.345	0.159	4.17E-38	Class-G	GSDMD
MAX.4	2.93E-42	-0.19113	0.532	0.255	4.38E-38	Class-G	MAX
PARL.4	3.24E-42	-0.1169	0.607	0.294	4.84E-38	Class-G	PARL
APH1B.7	3.74E-42	-0.12234	0.25	0.107	5.59E-38	Class-G	APH1B
TP53TG1.4	3.84E-42	-0.21024	0.365	0.17	5.74E-38	Class-G	TP53TG1
LPAR5.9	4.03E-42	-0.48011	0.01	0.119	6.03E-38	Class-G	LPAR5
S100A11.1	4.49E-42	-0.60792	0.822	0.63	6.70E-38	Class-G	S100A11
ATF1.4	4.83E-42	-0.10105	0.276	0.122	7.22E-38	Class-G	ATF1
NDUFA3.4	5.17E-42	0.104454	0.981	0.594	7.72E-38	Class-G	NDUFA3
NCF2.11	5.33E-42	-0.46547	0.008	0.117	7.97E-38	Class-G	NCF2
LINCO0936	6.33E-42	-0.1581	0.272	0.119	9.45E-38	Class-G	LINCO0936
MGST1.8	6.34E-42	-1.0124	0.04	0.162	9.47E-38	Class-G	MGST1
ZNF430.7	6.75E-42	-0.11894	0.349	0.163	1.01E-37	Class-G	ZNF430
TOX4.2	7.21E-42	-0.13564	0.469	0.228	1.08E-37	Class-G	TOX4
CISD2.5	8.58E-42	-0.11132	0.723	0.352	1.28E-37	Class-G	CISD2
SUSD3.10	1.04E-41	-0.48523	0.005	0.11	1.55E-37	Class-G	SUSD3
ARHGAP30.1	1.21E-41	-0.43158	0.004	0.109	1.81E-37	Class-G	ARHGAP30
FAM213A.9	1.55E-41	-0.13477	0.68	0.334	2.31E-37	Class-G	FAM213A
ARHGAP15.1	1.61E-41	-0.47485	0.006	0.112	2.41E-37	Class-G	ARHGAP15
POU2F2.9	1.63E-41	-0.50792	0.033	0.152	2.43E-37	Class-G	POU2F2
SYT1.11	1.74E-41	-0.43652	0.008	0.115	2.60E-37	Class-G	SYT1
BCAP29.5	2.08E-41	-0.11843	0.559	0.277	3.11E-37	Class-G	BCAP29
SOX11.10	2.11E-41	-0.17656	0.492	0.236	3.15E-37	Class-G	SOX11
HIST1H1C.3	3.84E-41	-0.25356	0.348	0.162	5.74E-37	Class-G	HIST1H1C
PPIH.4	3.87E-41	-0.16144	0.412	0.197	5.78E-37	Class-G	PPIH
LITAF.11	4.64E-41	-0.81416	0.451	0.46	6.93E-37	Class-G	LITAF
CX3CR1.1C	7.11E-41	-0.52893	0.01	0.116	1.06E-36	Class-G	CX3CR1
PPP1R2.5	8.41E-41	-0.11845	0.657	0.321	1.26E-36	Class-G	PPP1R2
ACTG1.8	1.17E-40	-0.26631	1	0.94	1.75E-36	Class-G	ACTG1
SELPLG.9	1.24E-40	-0.60145	0.024	0.137	1.85E-36	Class-G	SELPLG
ASAH1.9	1.36E-40	-0.56224	0.843	0.62	2.04E-36	Class-G	ASAH1
TMC6.11	1.44E-40	-0.47414	0.017	0.127	2.15E-36	Class-G	TMC6

EMC3. 1	2. 22E-40	-0. 1178	0. 794	0. 393	3. 31E-36 Class-G	EMC3
FGFR10P2.	2. 51E-40	-0. 18445	0. 568	0. 277	3. 75E-36 Class-G	FGFR10P2
NISCH. 5	2. 96E-40	-0. 11086	0. 326	0. 152	4. 42E-36 Class-G	NISCH
TNFAIP3. 1	3. 77E-40	-0. 66722	0. 059	0. 18	5. 64E-36 Class-G	TNFAIP3
GLRX. 10	3. 90E-40	-0. 90705	0. 338	0. 396	5. 83E-36 Class-G	GLRX
DOK1. 11	3. 92E-40	-0. 12295	0. 292	0. 132	5. 86E-36 Class-G	DOK1
GBE1. 8	8. 56E-40	-0. 16202	0. 34	0. 16	1. 28E-35 Class-G	GBE1
VMO1. 10	1. 04E-39	-0. 72337	0. 057	0. 176	1. 56E-35 Class-G	VMO1
SGCE. 8	1. 05E-39	-0. 53754	0. 041	0. 163	1. 57E-35 Class-G	SGCE
CYR61. 8	1. 43E-39	-0. 13686	0. 308	0. 145	2. 14E-35 Class-G	CYR61
HOTAIRM1.	1. 80E-39	-0. 53527	0. 073	0. 2	2. 70E-35 Class-G	HOTAIRM1
MYLIP. 9	2. 64E-39	-0. 50535	0. 032	0. 145	3. 95E-35 Class-G	MYLIP
ARID4A. 6	3. 16E-39	-0. 11447	0. 488	0. 24	4. 72E-35 Class-G	ARID4A
NUCB2. 6	3. 37E-39	-0. 16212	0. 618	0. 302	5. 04E-35 Class-G	NUCB2
CCL4L2. 9	3. 52E-39	-0. 70361	0. 002	0. 1	5. 27E-35 Class-G	CCL4L2
RBM39. 6	3. 90E-39	0. 103573	0. 973	0. 602	5. 83E-35 Class-G	RBM39
RHOT2. 3	4. 12E-39	-0. 10292	0. 446	0. 219	6. 16E-35 Class-G	RHOT2
GLDN. 10	4. 40E-39	-0. 44915	0. 009	0. 111	6. 58E-35 Class-G	GLDN
KLHL35. 1C	4. 46E-39	-0. 43707	0. 007	0. 108	6. 67E-35 Class-G	KLHL35
NIPSNAP3A	5. 33E-39	-0. 15986	0. 364	0. 173	7. 96E-35 Class-G	NIPSNAP3A
GOS2. 8	6. 05E-39	-0. 74158	0. 078	0. 201	9. 04E-35 Class-G	GOS2
POLE3. 3	6. 08E-39	-0. 13807	0. 439	0. 215	9. 08E-35 Class-G	POLE3
UPP1. 10	6. 37E-39	-0. 21435	0. 455	0. 222	9. 51E-35 Class-G	UPP1
CD01. 11	6. 63E-39	-0. 17268	0. 419	0. 205	9. 91E-35 Class-G	CD01
THBD. 10	8. 23E-39	-0. 46847	0. 008	0. 108	1. 23E-34 Class-G	THBD
CHMP4A. 7	8. 78E-39	-0. 10077	0. 825	0. 41	1. 31E-34 Class-G	CHMP4A
DEF6. 11	1. 20E-38	-0. 39862	0. 006	0. 105	1. 79E-34 Class-G	DEF6
IMMP2L. 9	1. 31E-38	-0. 11941	0. 273	0. 123	1. 96E-34 Class-G	IMMP2L
FGR. 11	1. 32E-38	-0. 39342	0. 001	0. 097	1. 98E-34 Class-G	FGR
TMEM60. 5	1. 43E-38	-0. 1643	0. 44	0. 216	2. 13E-34 Class-G	TMEM60
LILRA2. 11	1. 73E-38	-0. 45166	0. 002	0. 097	2. 58E-34 Class-G	LILRA2
YEATS4. 9	2. 07E-38	-0. 18546	0. 447	0. 219	3. 10E-34 Class-G	YEATS4
DLD. 8	2. 37E-38	-0. 13586	0. 607	0. 301	3. 55E-34 Class-G	DLD
CCRL2. 10	2. 50E-38	-0. 44294	0. 005	0. 102	3. 73E-34 Class-G	CCRL2
PSMD6. 6	2. 77E-38	-0. 14243	0. 613	0. 307	4. 14E-34 Class-G	PSMD6
NDUFB2. 5	2. 91E-38	-0. 28642	0. 987	0. 779	4. 35E-34 Class-G	NDUFB2
NLRP3. 10	3. 00E-38	-0. 43402	0. 004	0. 101	4. 48E-34 Class-G	NLRP3
RCC2. 8	3. 14E-38	-0. 11434	0. 321	0. 151	4. 69E-34 Class-G	RCC2
CDKN2A. 5	3. 34E-38	-0. 42992	0. 013	0. 117	5. 00E-34 Class-G	CDKN2A
RALB. 8	3. 38E-38	-0. 10032	0. 292	0. 135	5. 05E-34 Class-G	RALB
FABP5. 8	3. 54E-38	-0. 9232	0. 286	0. 41	5. 29E-34 Class-G	FABP5
RPA2. 4	4. 05E-38	-0. 161	0. 562	0. 28	6. 05E-34 Class-G	RPA2
SEPT2. 4	4. 13E-38	0. 103685	0. 965	0. 518	6. 17E-34 Class-G	2-Sep
TYMP. 11	5. 44E-38	-0. 86576	0. 228	0. 319	8. 13E-34 Class-G	TYMP
CHI3L1. 1C	7. 76E-38	-0. 40494	0. 845	0. 472	1. 16E-33 Class-G	CHI3L1
NUP62. 6	7. 77E-38	-0. 1222	0. 421	0. 207	1. 16E-33 Class-G	NUP62
TCIRG1. 11	8. 09E-38	-0. 47707	0. 032	0. 141	1. 21E-33 Class-G	TCIRG1
ELL2. 9	9. 69E-38	-0. 63193	0. 091	0. 209	1. 45E-33 Class-G	ELL2
ERICH1. 7	1. 09E-37	-0. 18886	0. 485	0. 238	1. 63E-33 Class-G	ERICH1
KYNU. 11	1. 25E-37	-0. 41979	0. 003	0. 097	1. 86E-33 Class-G	KYNU
NGFR. 7	1. 28E-37	0. 105429	0. 092	0. 027	1. 91E-33 Class-G	NGFR

GIT2.8	1.40E-37	-0.10989	0.284	0.132	2.09E-33	Class-G	GIT2
HPGDS.10	1.40E-37	-0.47927	0.006	0.103	2.10E-33	Class-G	HPGDS
ARHGAP9.1	1.58E-37	-0.38459	0.004	0.099	2.37E-33	Class-G	ARHGAP9
LILRB1.11	1.61E-37	-0.42969	0.008	0.105	2.41E-33	Class-G	LILRB1
CD44.8	1.88E-37	-0.19015	0.662	0.337	2.80E-33	Class-G	CD44
BTK.11	2.12E-37	-0.39414	0.004	0.099	3.16E-33	Class-G	BTK
RABGGTB.3	2.30E-37	-0.11845	0.509	0.256	3.43E-33	Class-G	RABGGTB
GAL3ST4.9	2.35E-37	-0.64537	0.071	0.188	3.52E-33	Class-G	GAL3ST4
SPCS3.9	2.41E-37	-0.19147	0.579	0.284	3.61E-33	Class-G	SPCS3
SMIM14.9	3.19E-37	-0.19417	0.583	0.289	4.77E-33	Class-G	SMIM14
SLC31A1.9	3.32E-37	-0.11669	0.307	0.145	4.96E-33	Class-G	SLC31A1
SLC16A10.4	4.26E-37	-0.47222	0.005	0.1	6.36E-33	Class-G	SLC16A10
RP11-798M	4.57E-37	-0.10759	0.276	0.128	6.83E-33	Class-G	RP11-798M19.6
JMJD6.6	4.78E-37	-0.16656	0.498	0.247	7.15E-33	Class-G	JMJD6
DSE.11	4.85E-37	-0.51518	0.042	0.153	7.25E-33	Class-G	DSE
CCND3.8	5.88E-37	-0.21577	0.459	0.227	8.78E-33	Class-G	CCND3
FTH1.7	5.98E-37	-0.1645	0.999	0.922	8.94E-33	Class-G	FTH1
HLA-DOA.9	8.22E-37	-0.44954	0.01	0.108	1.23E-32	Class-G	HLA-DOA
DNAJA1.5	8.33E-37	-0.4769	0.805	0.6	1.24E-32	Class-G	DNAJA1
CUL1.4	9.84E-37	-0.10309	0.414	0.205	1.47E-32	Class-G	CUL1
DDX21.8	1.17E-36	-0.17047	0.529	0.263	1.74E-32	Class-G	DDX21
PDCL3.7	1.22E-36	-0.20627	0.516	0.257	1.82E-32	Class-G	PDCL3
RNF144B.1	1.25E-36	-0.49155	0.013	0.112	1.87E-32	Class-G	RNF144B
RHBDF2.11	1.31E-36	-0.6562	0.079	0.194	1.96E-32	Class-G	RHBDF2
COPS4.4	1.52E-36	-0.13628	0.568	0.284	2.27E-32	Class-G	COPS4
CNBP.4	1.55E-36	-0.33936	0.971	0.712	2.31E-32	Class-G	CNBP
CIR1.4	1.59E-36	-0.16309	0.577	0.288	2.37E-32	Class-G	CIR1
ARRDC1.1C	1.65E-36	-0.10322	0.253	0.115	2.46E-32	Class-G	ARRDC1
HLA-F.11	2.28E-36	-0.52346	0.049	0.162	3.40E-32	Class-G	HLA-F
ALG13.6	2.47E-36	-0.18191	0.391	0.191	3.69E-32	Class-G	ALG13
P2RY13.9	2.94E-36	-0.4965	0.005	0.098	4.39E-32	Class-G	P2RY13
SNX13.1	3.13E-36	-0.1115	0.303	0.144	4.67E-32	Class-G	SNX13
FUCA1.9	3.49E-36	-0.19798	0.395	0.191	5.21E-32	Class-G	FUCA1
HPS1.10	3.70E-36	-0.45092	0.022	0.125	5.52E-32	Class-G	HPS1
IFITM2.11	3.72E-36	-0.86707	0.198	0.297	5.56E-32	Class-G	IFITM2
SERBP1.2	4.31E-36	0.106677	0.965	0.571	6.45E-32	Class-G	SERBP1
NUDT16.11	4.90E-36	-0.20246	0.393	0.191	7.32E-32	Class-G	NUDT16
DAD1.4	5.72E-36	-0.38313	0.941	0.685	8.54E-32	Class-G	DAD1
COX19.6	7.29E-36	-0.11924	0.408	0.202	1.09E-31	Class-G	COX19
PSMD13.6	1.06E-35	-0.10171	0.72	0.363	1.59E-31	Class-G	PSMD13
FRG1.1	1.10E-35	-0.17181	0.56	0.281	1.64E-31	Class-G	FRG1
DOCK2.11	1.11E-35	-0.37771	0.001	0.09	1.66E-31	Class-G	DOCK2
ANXA4.9	1.11E-35	-0.1983	0.351	0.168	1.66E-31	Class-G	ANXA4
EMB.11	1.31E-35	-0.37097	0	0.087	1.96E-31	Class-G	EMB
TRA2A.5	1.37E-35	-0.13494	0.599	0.302	2.04E-31	Class-G	TRA2A
ZMAT2.2	1.42E-35	-0.1293	0.739	0.369	2.12E-31	Class-G	ZMAT2
TCN2.7	1.46E-35	-0.11528	0.196	0.083	2.18E-31	Class-G	TCN2
B3GNT5.1C	1.48E-35	-0.13628	0.264	0.121	2.21E-31	Class-G	B3GNT5
SH3TC1.1C	1.78E-35	-0.39425	0.003	0.092	2.67E-31	Class-G	SH3TC1
PPHLN1.6	1.93E-35	-0.16392	0.644	0.321	2.88E-31	Class-G	PPHLN1
AP3S1.6	1.93E-35	-0.11882	0.754	0.373	2.89E-31	Class-G	AP3S1

CACUL1.6	2.05E-35	-0.10845	0.365	0.18	3.07E-31	Class-G	CACUL1
HNMT.10	2.05E-35	-0.70532	0.121	0.234	3.07E-31	Class-G	HNMT
CCDC53.2	2.43E-35	-0.19922	0.576	0.288	3.64E-31	Class-G	CCDC53
PHKG2.7	2.87E-35	-0.1474	0.284	0.133	4.29E-31	Class-G	PHKG2
ATXN80S.7	3.02E-35	-0.76172	0.003	0.092	4.52E-31	Class-G	ATXN80S
IRF2BP2.8	3.03E-35	-0.13268	0.549	0.278	4.53E-31	Class-G	IRF2BP2
NDFIP1.11	3.34E-35	0.153968	0.972	0.541	4.99E-31	Class-G	NDFIP1
DDX6.4	3.38E-35	-0.16769	0.352	0.172	5.05E-31	Class-G	DDX6
MYH9.10	3.40E-35	-0.14743	0.338	0.164	5.08E-31	Class-G	MYH9
RAB11A.5	3.41E-35	-0.11419	0.814	0.41	5.10E-31	Class-G	RAB11A
RARRES2.1	3.74E-35	-0.73439	0.053	0.165	5.59E-31	Class-G	RARRES2
MLLT11.9	4.01E-35	-0.18449	0.81	0.396	6.00E-31	Class-G	MLLT11
MSRB2.7	4.03E-35	-0.13291	0.449	0.223	6.02E-31	Class-G	MSRB2
ACTR1A.4	4.09E-35	-0.13809	0.488	0.244	6.11E-31	Class-G	ACTR1A
NUB1.4	5.39E-35	-0.14193	0.443	0.222	8.06E-31	Class-G	NUB1
TGOLN2.8	5.41E-35	-0.13668	0.655	0.326	8.08E-31	Class-G	TGOLN2
SRSF2.9	5.60E-35	0.152964	0.955	0.548	8.37E-31	Class-G	SRSF2
BTG3.8	5.66E-35	-0.10307	0.652	0.325	8.45E-31	Class-G	BTG3
ANP32A.11	6.13E-35	-0.15663	0.758	0.374	9.16E-31	Class-G	ANP32A
ARF1.7	7.09E-35	-0.34193	0.925	0.656	1.06E-30	Class-G	ARF1
DDX5.7	7.93E-35	-0.14747	0.993	0.788	1.19E-30	Class-G	DDX5
AKR1B1.7	8.90E-35	-0.50638	0.814	0.594	1.33E-30	Class-G	AKR1B1
CRYZL1.2	1.32E-34	-0.1847	0.469	0.235	1.98E-30	Class-G	CRYZL1
EZR.9	1.61E-34	-0.12711	0.593	0.301	2.40E-30	Class-G	EZR
TBCC.10	1.64E-34	-0.13962	0.392	0.194	2.45E-30	Class-G	TBCC
SMPDL3A.9	1.93E-34	-0.10563	0.235	0.107	2.89E-30	Class-G	SMPDL3A
ITGAM.11	1.98E-34	-0.36918	0.002	0.088	2.96E-30	Class-G	ITGAM
ADPGK.11	2.02E-34	-0.18227	0.461	0.229	3.02E-30	Class-G	ADPGK
TIPARP.8	2.04E-34	-0.1249	0.305	0.146	3.04E-30	Class-G	TIPARP
LYL1.11	3.25E-34	-0.37599	0.005	0.094	4.85E-30	Class-G	LYL1
FAM49A.7	4.10E-34	-0.15106	0.309	0.148	6.12E-30	Class-G	FAM49A
SND1.3	4.38E-34	-0.14075	0.445	0.224	6.54E-30	Class-G	SND1
HSPA6.6	4.42E-34	-0.57069	0.017	0.113	6.61E-30	Class-G	HSPA6
APOD.10	5.38E-34	-0.84129	0.064	0.176	8.04E-30	Class-G	APOD
LUZP2.7	6.68E-34	0.122063	0.109	0.038	9.98E-30	Class-G	LUZP2
IRAK3.11	6.92E-34	-0.35419	0.001	0.085	1.03E-29	Class-G	IRAK3
ASL.8	7.51E-34	-0.16909	0.306	0.149	1.12E-29	Class-G	ASL
TPP1.9	9.02E-34	-0.22536	0.569	0.282	1.35E-29	Class-G	TPP1
XIST.11	9.22E-34	-0.58081	0.166	0.282	1.38E-29	Class-G	XIST
CXorf21.1	1.08E-33	-0.40247	0.003	0.088	1.62E-29	Class-G	CXorf21
SASH3.11	1.15E-33	-0.36727	0.004	0.09	1.73E-29	Class-G	SASH3
ATP1B1.9	1.43E-33	-0.62299	0.141	0.25	2.14E-29	Class-G	ATP1B1
SIGLEC8.8	2.38E-33	-0.40065	0.004	0.089	3.56E-29	Class-G	SIGLEC8
TMEM69.3	2.40E-33	-0.14339	0.301	0.147	3.58E-29	Class-G	TMEM69
TMEM256.6	2.46E-33	-0.17011	0.747	0.378	3.67E-29	Class-G	TMEM256
CNRIP1.8	2.70E-33	-0.12324	0.357	0.179	4.03E-29	Class-G	CNRIP1
TSR2.2	3.02E-33	-0.16646	0.428	0.217	4.51E-29	Class-G	TSR2
SOCS3.10	3.03E-33	-0.10721	0.596	0.308	4.52E-29	Class-G	SOCS3
FMNL1.11	3.20E-33	-0.50119	0.038	0.138	4.78E-29	Class-G	FMNL1
INPP5D.11	3.62E-33	-0.41769	0.009	0.097	5.41E-29	Class-G	INPP5D
AP001055.3	3.92E-33	-0.40342	0.006	0.092	5.86E-29	Class-G	AP001055.6

CTSD. 9	4. 10E-33	-0. 55507	0. 847	0. 605	6. 13E-29	Class-G	CTSD
TSPAN31. 6	4. 62E-33	-0. 24065	0. 514	0. 259	6. 90E-29	Class-G	TSPAN31
MGP. 10	5. 17E-33	-0. 95867	0. 022	0. 117	7. 72E-29	Class-G	MGP
SYPL1. 5	5. 56E-33	-0. 21206	0. 71	0. 356	8. 31E-29	Class-G	SYPL1
CACNA2D4. 6	6. 13E-33	-0. 37907	0. 002	0. 085	9. 16E-29	Class-G	CACNA2D4
ATP6V1H. 3	7. 15E-33	-0. 17375	0. 558	0. 284	1. 07E-28	Class-G	ATP6V1H
FKBP15. 1C	7. 24E-33	-0. 11216	0. 253	0. 119	1. 08E-28	Class-G	FKBP15
DCX. 11	8. 35E-33	-0. 10885	0. 36	0. 179	1. 25E-28	Class-G	DCX
FAH. 10	1. 15E-32	-0. 17951	0. 285	0. 137	1. 72E-28	Class-G	FAH
C1D. 3	1. 19E-32	-0. 12013	0. 532	0. 273	1. 78E-28	Class-G	C1D
ENG. 11	1. 20E-32	-0. 59041	0. 075	0. 18	1. 80E-28	Class-G	ENG
BLOC1S2. 6	1. 21E-32	-0. 20075	0. 644	0. 323	1. 81E-28	Class-G	BLOC1S2
RHOH. 10	1. 34E-32	-0. 42224	0. 005	0. 089	2. 01E-28	Class-G	RHOH
ARSA. 8	1. 36E-32	-0. 14655	0. 249	0. 116	2. 03E-28	Class-G	ARSA
H2AFZ. 4	1. 43E-32	-0. 29983	0. 944	0. 705	2. 13E-28	Class-G	H2AFZ
PSMG2. 6	1. 53E-32	-0. 1786	0. 719	0. 362	2. 28E-28	Class-G	PSMG2
VAV1. 11	1. 58E-32	-0. 34065	0. 003	0. 085	2. 36E-28	Class-G	VAV1
UBE2D2. 7	1. 80E-32	0. 126941	0. 962	0. 527	2. 69E-28	Class-G	UBE2D2
NSG1. 11	1. 86E-32	-0. 63699	0. 084	0. 191	2. 78E-28	Class-G	NSG1
GPR84. 11	1. 98E-32	-0. 37232	0. 003	0. 085	2. 95E-28	Class-G	GPR84
MILR1. 11	2. 11E-32	-0. 49938	0. 019	0. 112	3. 15E-28	Class-G	MILR1
HSD17B11. 2	2. 22E-32	-0. 8026	0. 34	0. 383	3. 32E-28	Class-G	HSD17B11
UBXN11. 7	2. 62E-32	-0. 14679	0. 249	0. 117	3. 91E-28	Class-G	UBXN11
NFKBID. 9	2. 68E-32	-0. 56027	0. 053	0. 155	4. 01E-28	Class-G	NFKBID
MMADHC. 3	3. 42E-32	-0. 13181	0. 759	0. 383	5. 10E-28	Class-G	MMADHC
NECAP1. 8	3. 73E-32	-0. 1337	0. 348	0. 174	5. 57E-28	Class-G	NECAP1
ETF1. 9	4. 15E-32	-0. 19117	0. 6	0. 304	6. 20E-28	Class-G	ETF1
IL32. 9	4. 58E-32	-0. 22099	0. 192	0. 085	6. 84E-28	Class-G	IL32
NUCB1. 10	5. 26E-32	-0. 10588	0. 767	0. 392	7. 86E-28	Class-G	NUCB1
SNX3. 4	5. 59E-32	0. 122864	0. 99	0. 672	8. 35E-28	Class-G	SNX3
LETMD1. 1	5. 96E-32	-0. 15493	0. 288	0. 14	8. 91E-28	Class-G	LETMD1
CAV1. 10	6. 26E-32	-0. 81922	0. 04	0. 141	9. 36E-28	Class-G	CAV1
COQ2. 10	6. 44E-32	-0. 11244	0. 318	0. 157	9. 62E-28	Class-G	COQ2
ARL4D. 10	6. 96E-32	-0. 14993	0. 301	0. 147	1. 04E-27	Class-G	ARL4D
PLEKHB2. 6	7. 01E-32	-0. 10246	0. 7	0. 35	1. 05E-27	Class-G	PLEKHB2
AP1S1. 10	7. 25E-32	-0. 11702	0. 814	0. 411	1. 08E-27	Class-G	AP1S1
THBS1. 9	7. 51E-32	-0. 47006	0. 008	0. 092	1. 12E-27	Class-G	THBS1
YWHAB. 4	8. 03E-32	0. 124156	0. 982	0. 657	1. 20E-27	Class-G	YWHAB
FCGRT. 10	9. 01E-32	-0. 81343	0. 679	0. 529	1. 35E-27	Class-G	FCGRT
HAT1. 6	1. 02E-31	-0. 1586	0. 506	0. 262	1. 52E-27	Class-G	HAT1
SIGLEC7. 1	1. 07E-31	-0. 35477	0. 004	0. 086	1. 59E-27	Class-G	SIGLEC7
RAB3A. 10	1. 21E-31	-0. 1408	0. 295	0. 142	1. 81E-27	Class-G	RAB3A
UGP2. 6	1. 23E-31	-0. 11018	0. 793	0. 406	1. 84E-27	Class-G	UGP2
INSIG2. 3	1. 44E-31	-0. 17484	0. 352	0. 178	2. 16E-27	Class-G	INSIG2
PMAIP1. 1C	1. 48E-31	-0. 47706	0. 01	0. 095	2. 22E-27	Class-G	PMAIP1
TIPIN. 6	1. 53E-31	-0. 17712	0. 256	0. 122	2. 29E-27	Class-G	TIPIN
STX12. 1	3. 28E-31	-0. 14144	0. 704	0. 359	4. 90E-27	Class-G	STX12
LRRFIP1. 1	3. 94E-31	-0. 18656	0. 617	0. 31	5. 88E-27	Class-G	LRRFIP1
CBWD5. 3	4. 11E-31	-0. 10126	0. 224	0. 105	6. 15E-27	Class-G	CBWD5
METTL22. 4	4. 17E-31	-0. 10957	0. 175	0. 076	6. 23E-27	Class-G	METTL22
UPF3B. 8	4. 19E-31	-0. 17237	0. 433	0. 221	6. 26E-27	Class-G	UPF3B

EGR1. 8	4. 23E-31	-0. 59417	0. 513	0. 493	6. 32E-27 Class-G	EGR1
RP11-386G	4. 70E-31	-0. 2043	0. 26	0. 125	7. 02E-27 Class-G	RP11-386G11. 10
ST14. 11	4. 94E-31	-0. 32755	0. 004	0. 084	7. 39E-27 Class-G	ST14
TUBB. 9	5. 64E-31	-0. 26289	0. 976	0. 737	8. 44E-27 Class-G	TUBB
UBE2C. 11	5. 82E-31	-0. 24396	0. 218	0. 1	8. 69E-27 Class-G	UBE2C
TMBIM1. 8	6. 03E-31	-0. 2646	0. 424	0. 215	9. 00E-27 Class-G	TMBIM1
ATG7. 7	6. 45E-31	-0. 10501	0. 208	0. 095	9. 64E-27 Class-G	ATG7
TCEAL8. 2	7. 31E-31	-0. 1584	0. 761	0. 39	1. 09E-26 Class-G	TCEAL8
BLVRB. 8	9. 25E-31	-0. 34662	0. 659	0. 328	1. 38E-26 Class-G	BLVRB
NINJ2. 10	9. 33E-31	-0. 46131	0. 014	0. 099	1. 39E-26 Class-G	NINJ2
SH3BGRL. 7	9. 85E-31	-0. 49276	0. 853	0. 615	1. 47E-26 Class-G	SH3BGRL
THEMIS2. 1	9. 86E-31	-0. 75434	0. 161	0. 255	1. 47E-26 Class-G	THEMIS2
AREG. 11	1. 02E-30	-0. 50008	0	0. 075	1. 52E-26 Class-G	AREG
MAPKAPK3. 1	0. 3E-30	-0. 13392	0. 304	0. 149	1. 55E-26 Class-G	MAPKAPK3
HSPH1. 7	1. 15E-30	-0. 1443	0. 623	0. 318	1. 72E-26 Class-G	HSPH1
HNRNPH2. 4	1. 35E-30	-0. 13223	0. 683	0. 354	2. 01E-26 Class-G	HNRNPH2
CD93. 11	1. 58E-30	-0. 34335	0. 004	0. 082	2. 36E-26 Class-G	CD93
IFNGR1. 11	1. 66E-30	-0. 78842	0. 451	0. 435	2. 49E-26 Class-G	IFNGR1
CD48. 11	2. 02E-30	-0. 41474	0. 008	0. 09	3. 02E-26 Class-G	CD48
AP2A2. 9	2. 09E-30	-0. 13077	0. 431	0. 222	3. 13E-26 Class-G	AP2A2
CCR1. 10	2. 58E-30	-0. 37867	0. 011	0. 093	3. 86E-26 Class-G	CCR1
PMPCB. 6	2. 74E-30	-0. 19382	0. 582	0. 304	4. 09E-26 Class-G	PMPCB
HSPA1A. 7	3. 27E-30	-0. 71383	0. 503	0. 49	4. 89E-26 Class-G	HSPA1A
CD300C. 11	3. 84E-30	-0. 3388	0. 002	0. 078	5. 74E-26 Class-G	CD300C
IKZF1. 10	4. 32E-30	-0. 3191	0. 001	0. 075	6. 46E-26 Class-G	IKZF1
NOP58. 8	4. 57E-30	-0. 15764	0. 495	0. 259	6. 84E-26 Class-G	NOP58
TRAPPC2P1	5. 48E-30	-0. 1891	0. 384	0. 198	8. 19E-26 Class-G	TRAPPC2P1
IL16. 10	6. 28E-30	-0. 34997	0. 003	0. 079	9. 39E-26 Class-G	IL16
PCF11. 6	7. 04E-30	-0. 15089	0. 352	0. 179	1. 05E-25 Class-G	PCF11
CADM3. 8	7. 68E-30	-0. 44439	0. 024	0. 113	1. 15E-25 Class-G	CADM3
HOXB2. 8	7. 84E-30	-0. 29977	0. 013	0. 096	1. 17E-25 Class-G	HOXB2
HMBOX1. 9	7. 86E-30	-0. 12061	0. 332	0. 17	1. 17E-25 Class-G	HMBOX1
CYP20A1. 1	7. 96E-30	-0. 17179	0. 29	0. 145	1. 19E-25 Class-G	CYP20A1
AZI2. 5	8. 59E-30	-0. 2245	0. 515	0. 266	1. 28E-25 Class-G	AZI2
DNTTIP2. 4	8. 80E-30	-0. 17315	0. 489	0. 254	1. 32E-25 Class-G	DNTTIP2
COX6A1. 7	9. 96E-30	-0. 21383	0. 998	0. 82	1. 49E-25 Class-G	COX6A1
LINC00632	1. 09E-29	-0. 33028	0. 018	0. 103	1. 63E-25 Class-G	LINC00632
DDX24. 2	1. 10E-29	-0. 11226	0. 833	0. 424	1. 65E-25 Class-G	DDX24
GNB2. 8	1. 14E-29	0. 131246	0. 94	0. 509	1. 71E-25 Class-G	GNB2
AHSA1. 4	1. 15E-29	-0. 16695	0. 685	0. 352	1. 72E-25 Class-G	AHSA1
NXF1. 4	1. 37E-29	-0. 1555	0. 342	0. 174	2. 05E-25 Class-G	NXF1
EIF3H. 6	1. 50E-29	-0. 399	0. 893	0. 632	2. 24E-25 Class-G	EIF3H
ITGAX. 10	1. 51E-29	-0. 44236	0. 018	0. 103	2. 25E-25 Class-G	ITGAX
KCNMB1. 1C	1. 62E-29	-0. 49714	0. 027	0. 115	2. 42E-25 Class-G	KCNMB1
IMPDH2. 9	1. 93E-29	-0. 19429	0. 711	0. 368	2. 88E-25 Class-G	IMPDH2
CYLD. 7	2. 07E-29	-0. 14277	0. 29	0. 144	3. 09E-25 Class-G	CYLD
LMBRD1. 7	2. 11E-29	-0. 23927	0. 374	0. 191	3. 15E-25 Class-G	LMBRD1
NDUFA4. 7	2. 12E-29	-0. 24752	0. 999	0. 878	3. 16E-25 Class-G	NDUFA4
LY6H. 10	2. 13E-29	-0. 34899	0. 014	0. 097	3. 19E-25 Class-G	LY6H
DOCK10. 8	2. 18E-29	-0. 10428	0. 23	0. 109	3. 26E-25 Class-G	DOCK10
BAG3. 7	2. 18E-29	-0. 10668	0. 201	0. 093	3. 26E-25 Class-G	BAG3

RGS16. 8	2. 67E-29	-0. 13859	0. 455	0. 246	3. 99E-25 Class-G	RGS16
LYAR. 5	2. 93E-29	-0. 14153	0. 303	0. 153	4. 38E-25 Class-G	LYAR
C3orf14. 7	4. 44E-29	-0. 17598	0. 451	0. 234	6. 63E-25 Class-G	C3orf14
TBC1D14. 6	4. 49E-29	-0. 11817	0. 299	0. 15	6. 71E-25 Class-G	TBC1D14
HEXA. 10	4. 62E-29	-0. 23161	0. 677	0. 342	6. 90E-25 Class-G	HEXA
PCGF1. 2	4. 72E-29	-0. 10071	0. 18	0. 081	7. 06E-25 Class-G	PCGF1
SQRDL. 11	5. 11E-29	-0. 57439	0. 077	0. 174	7. 63E-25 Class-G	SQRDL
SNX8. 7	5. 20E-29	-0. 12716	0. 261	0. 128	7. 77E-25 Class-G	SNX8
AZIN1. 6	5. 49E-29	-0. 14963	0. 563	0. 291	8. 21E-25 Class-G	AZIN1
MPHOSPH6. 7	5. 2E-29	-0. 22524	0. 494	0. 257	1. 12E-24 Class-G	MPHOSPH6
TRAPPC6A. 7	7. 86E-29	-0. 25861	0. 441	0. 229	1. 17E-24 Class-G	TRAPPC6A
ANKRD22. 1	9. 71E-29	-0. 34246	0. 002	0. 075	1. 45E-24 Class-G	ANKRD22
SLC11A2. 5	1. 02E-28	-0. 11389	0. 294	0. 148	1. 52E-24 Class-G	SLC11A2
ACTL6B. 1C	1. 23E-28	-0. 31838	0. 01	0. 087	1. 83E-24 Class-G	ACTL6B
HOXA2. 10	1. 26E-28	-0. 26105	0. 007	0. 083	1. 89E-24 Class-G	HOXA2
TLR1. 11	1. 27E-28	-0. 32417	0. 004	0. 078	1. 89E-24 Class-G	TLR1
PTGS2. 10	1. 50E-28	-0. 30676	0. 001	0. 071	2. 25E-24 Class-G	PTGS2
TCEAL5. 9	1. 74E-28	-0. 3927	0. 041	0. 133	2. 59E-24 Class-G	TCEAL5
RBM25. 5	2. 01E-28	-0. 10243	0. 757	0. 388	3. 01E-24 Class-G	RBM25
HMGB1. 5	2. 19E-28	-0. 22205	0. 998	0. 839	3. 28E-24 Class-G	HMGB1
GIMAP1. 1C	2. 30E-28	-0. 34168	0. 008	0. 084	3. 44E-24 Class-G	GIMAP1
CYCS. 4	2. 51E-28	-0. 28123	0. 978	0. 694	3. 75E-24 Class-G	CYCS
ODF2L. 5	2. 65E-28	-0. 15883	0. 304	0. 154	3. 96E-24 Class-G	ODF2L
CD40. 11	2. 80E-28	-0. 30884	0. 004	0. 077	4. 19E-24 Class-G	CD40
SH3BP2. 1C	3. 22E-28	-0. 12362	0. 247	0. 12	4. 82E-24 Class-G	SH3BP2
DENND3. 11	3. 65E-28	-0. 43664	0. 027	0. 112	5. 45E-24 Class-G	DENND3
TWF2. 11	4. 19E-28	-0. 21037	0. 585	0. 301	6. 26E-24 Class-G	TWF2
PIK3IP1. 9	5. 00E-28	-0. 58243	0. 079	0. 174	7. 47E-24 Class-G	PIK3IP1
CD58. 11	5. 06E-28	-0. 25228	0. 389	0. 201	7. 56E-24 Class-G	CD58
IRF1. 8	6. 53E-28	-0. 16365	0. 347	0. 183	9. 76E-24 Class-G	IRF1
MAML1. 9	7. 48E-28	-0. 13906	0. 213	0. 101	1. 12E-23 Class-G	MAML1
C9orf78. 3	7. 70E-28	-0. 15541	0. 768	0. 39	1. 15E-23 Class-G	C9orf78
DHRS7. 9	7. 97E-28	-0. 60314	0. 669	0. 538	1. 19E-23 Class-G	DHRS7
CCNDBP1. 9	8. 74E-28	-0. 21408	0. 351	0. 181	1. 31E-23 Class-G	CCNDBP1
RIN3. 11	9. 22E-28	-0. 4478	0. 039	0. 128	1. 38E-23 Class-G	RIN3
PLGRKT. 5	9. 41E-28	-0. 21597	0. 452	0. 237	1. 41E-23 Class-G	PLGRKT
TNFSF12. 1	9. 66E-28	-0. 19559	0. 322	0. 163	1. 44E-23 Class-G	TNFSF12
EFHD2. 10	1. 69E-27	-0. 14958	0. 358	0. 186	2. 53E-23 Class-G	EFHD2
CYTL1. 10	1. 81E-27	-0. 5483	0. 036	0. 122	2. 71E-23 Class-G	CYTL1
BEX5. 8	1. 94E-27	-0. 40206	0. 024	0. 108	2. 90E-23 Class-G	BEX5
SLC25A3. 4	2. 08E-27	-0. 24602	0. 961	0. 711	3. 11E-23 Class-G	SLC25A3
BLNK. 9	2. 40E-27	-0. 37051	0. 005	0. 077	3. 59E-23 Class-G	BLNK
DFNA5. 5	2. 76E-27	-0. 15942	0. 334	0. 173	4. 12E-23 Class-G	DFNA5
PFKFB3. 1C	3. 05E-27	-0. 19994	0. 414	0. 216	4. 56E-23 Class-G	PFKFB3
TSPAN15. 1	3. 24E-27	-0. 33703	0. 012	0. 088	4. 85E-23 Class-G	TSPAN15
CEBPA. 10	3. 32E-27	-0. 4158	0. 032	0. 116	4. 96E-23 Class-G	CEBPA
TMEM19. 6	4. 76E-27	-0. 12585	0. 266	0. 134	7. 11E-23 Class-G	TMEM19
TXNL1. 4	6. 18E-27	-0. 13023	0. 808	0. 416	9. 23E-23 Class-G	TXNL1
GAPT. 11	6. 65E-27	-0. 31101	0. 002	0. 069	9. 94E-23 Class-G	GAPT
TMBIM4. 7	7. 00E-27	-0. 68768	0. 001	0. 068	1. 05E-22 Class-G	TMBIM4
SSR4. 5	7. 28E-27	-0. 2907	0. 979	0. 727	1. 09E-22 Class-G	SSR4

DYNC1LI1.	8.	12E-27	-0.152	0.447	0.237	1.21E-22	Class-G	DYNC1LI1
RAN.	7	8.41E-27	-0.23343	0.982	0.72	1.26E-22	Class-G	RAN
ARL2.	7	9.06E-27	-0.21597	0.748	0.388	1.35E-22	Class-G	ARL2
VOPP1.	5	1.04E-26	-0.12943	0.486	0.259	1.56E-22	Class-G	VOPP1
SAAL1.	5	1.11E-26	-0.11385	0.226	0.112	1.65E-22	Class-G	SAAL1
MBD4.	8	1.14E-26	-0.20786	0.443	0.234	1.71E-22	Class-G	MBD4
RASGRP3.	9	1.21E-26	-0.35492	0.007	0.078	1.81E-22	Class-G	RASGRP3
MAGEH1.	10	1.22E-26	-0.21155	0.539	0.282	1.83E-22	Class-G	MAGEH1
COMMD1.	2	1.30E-26	-0.25826	0.609	0.316	1.94E-22	Class-G	COMMD1
KCNQ10T1.	1.	86E-26	-0.12927	0.458	0.249	2.78E-22	Class-G	KCNQ10T1
SCIMP.	11	1.92E-26	-0.37717	0.017	0.094	2.86E-22	Class-G	SCIMP
FRMD4A.	10	1.97E-26	-0.57124	0.109	0.201	2.94E-22	Class-G	FRMD4A
AAK1.	7	2.13E-26	-0.16435	0.465	0.246	3.18E-22	Class-G	AAK1
LPXN.	11	2.14E-26	-0.44868	0.038	0.122	3.19E-22	Class-G	LPXN
PSMA2.	5	2.35E-26	-0.67745	0.003	0.07	3.52E-22	Class-G	PSMA2
ANXA7.	8	2.41E-26	-0.26084	0.579	0.299	3.60E-22	Class-G	ANXA7
MTMR6.	5	2.57E-26	-0.10628	0.252	0.127	3.84E-22	Class-G	MTMR6
CLEC4E.	9	2.57E-26	-0.37342	0.001	0.067	3.85E-22	Class-G	CLEC4E
TSG101.	2	2.62E-26	-0.18361	0.71	0.37	3.91E-22	Class-G	TSG101
MYO1G.	11	2.84E-26	-0.27334	0.003	0.07	4.24E-22	Class-G	MYO1G
DOK2.	10	3.05E-26	-0.2892	0	0.064	4.56E-22	Class-G	DOK2
PEG10.	8	3.07E-26	-0.32372	0.03	0.114	4.58E-22	Class-G	PEG10
FGD2.	10	3.22E-26	-0.33799	0.003	0.07	4.81E-22	Class-G	FGD2
IL1RN.	10	3.34E-26	-0.38533	0.012	0.085	4.99E-22	Class-G	IL1RN
ZFAND2A.	8	3.43E-26	-0.27943	0.476	0.252	5.13E-22	Class-G	ZFAND2A
TXNDC12.	7	3.61E-26	-0.1805	0.74	0.382	5.40E-22	Class-G	TXNDC12
AL592183.	3.	64E-26	-0.12165	0.283	0.146	5.44E-22	Class-G	AL592183.1
MYADM.	8	3.64E-26	-0.19721	0.327	0.171	5.44E-22	Class-G	MYADM
DENND6B.	1	3.65E-26	-0.13146	0.188	0.088	5.45E-22	Class-G	DENND6B
TRAM1.	9	4.26E-26	-0.15238	0.746	0.382	6.37E-22	Class-G	TRAM1
MEAF6.	8	4.77E-26	-0.13558	0.818	0.421	7.12E-22	Class-G	MEAF6
MDM2.	5	5.01E-26	-0.15866	0.345	0.183	7.49E-22	Class-G	MDM2
RASAL3.	10	5.25E-26	-0.27096	0.001	0.066	7.85E-22	Class-G	RASAL3
RP11-556E	5.	30E-26	-0.30396	0	0.064	7.92E-22	Class-G	RP11-556E13.1
CELF5.	11	5.61E-26	-0.31064	0.023	0.102	8.38E-22	Class-G	CELF5
NRROS.	8	7.16E-26	-0.33435	0.008	0.078	1.07E-21	Class-G	NRROS
COX14.	7	8.02E-26	-0.18239	0.787	0.406	1.20E-21	Class-G	COX14
ATG4C.	5	8.15E-26	-0.15734	0.243	0.122	1.22E-21	Class-G	ATG4C
HMGB3.	10	8.59E-26	-0.17719	0.472	0.247	1.28E-21	Class-G	HMGB3
CRLF3.	7	9.26E-26	-0.11745	0.204	0.099	1.38E-21	Class-G	CRLF3
TTC9B.	11	9.61E-26	-0.38443	0.045	0.132	1.44E-21	Class-G	TTC9B
CORO1C.	7	9.89E-26	-0.1502	0.625	0.332	1.48E-21	Class-G	CORO1C
FAM20A.	10	1.05E-25	-0.26466	0.003	0.069	1.57E-21	Class-G	FAM20A
SAR1A.	8	1.16E-25	-0.19694	0.497	0.266	1.74E-21	Class-G	SAR1A
C2.	9	1.17E-25	-0.52084	0.042	0.127	1.75E-21	Class-G	C2
MXI1.	6	1.25E-25	-0.12229	0.233	0.117	1.86E-21	Class-G	MXI1
SREBF1.	3	1.30E-25	-0.10344	0.209	0.101	1.94E-21	Class-G	SREBF1
CXCL3.	8	1.38E-25	-0.47074	0.011	0.082	2.07E-21	Class-G	CXCL3
ABHD5.	5	1.69E-25	-0.12501	0.2	0.097	2.53E-21	Class-G	ABHD5
TMEM156.	9	1.74E-25	-0.30719	0.001	0.065	2.59E-21	Class-G	TMEM156
TFEC.	11	1.79E-25	-0.26949	0.001	0.065	2.68E-21	Class-G	TFEC



MTDH. 6	2. 09E-25	0. 12258	0. 95	0. 554	3. 12E-21 Class-G	MTDH
DUSP2. 10	2. 15E-25	-0. 50421	0. 039	0. 122	3. 22E-21 Class-G	DUSP2
BIN1. 9	2. 17E-25	-0. 72369	0. 338	0. 365	3. 24E-21 Class-G	BIN1
MARCO. 7	2. 58E-25	-0. 42098	0. 003	0. 068	3. 85E-21 Class-G	MARCO
HNRNPA1L2	2. 64E-25	-0. 12453	0. 335	0. 179	3. 95E-21 Class-G	HNRNPA1L2
SIK1. 10	2. 74E-25	-0. 39975	0. 032	0. 111	4. 10E-21 Class-G	SIK1
AXL. 10	2. 82E-25	-0. 65451	0. 104	0. 193	4. 21E-21 Class-G	AXL
GIMAP7. 8	2. 95E-25	-0. 31372	0. 001	0. 063	4. 42E-21 Class-G	GIMAP7
KAT8. 3	3. 42E-25	-0. 12566	0. 297	0. 156	5. 12E-21 Class-G	KAT8
SLAMF8. 11	3. 87E-25	-0. 29517	0. 006	0. 073	5. 79E-21 Class-G	SLAMF8
FN1. 9	4. 21E-25	-0. 23069	0. 266	0. 136	6. 29E-21 Class-G	FN1
SYTL3. 9	4. 35E-25	-0. 34536	0. 007	0. 074	6. 50E-21 Class-G	SYTL3
TMEM192. 2	4. 51E-25	-0. 17836	0. 32	0. 168	6. 74E-21 Class-G	TMEM192
SRSF3. 2	4. 53E-25	-0. 23481	0. 962	0. 691	6. 78E-21 Class-G	SRSF3
CCL3L3. 8	4. 74E-25	-0. 71755	0. 001	0. 063	7. 09E-21 Class-G	CCL3L3
CDKN1B. 9	6. 21E-25	-0. 12481	0. 426	0. 232	9. 28E-21 Class-G	CDKN1B
TMEFF2. 11	7. 32E-25	-0. 27551	0. 015	0. 088	1. 09E-20 Class-G	TMEFF2
UNC93B1. 1	1. 02E-24	-0. 22325	0. 341	0. 178	1. 52E-20 Class-G	UNC93B1
NDUFB8. 5	1. 05E-24	-0. 63701	0. 002	0. 065	1. 57E-20 Class-G	NDUFB8
FLI1. 11	1. 20E-24	-0. 26862	0	0. 06	1. 79E-20 Class-G	FLI1
FPR3. 11	1. 21E-24	-0. 25725	0. 002	0. 065	1. 81E-20 Class-G	FPR3
SP110. 9	1. 61E-24	-0. 24658	0. 334	0. 176	2. 41E-20 Class-G	SP110
NMI. 10	1. 76E-24	-0. 18804	0. 305	0. 162	2. 63E-20 Class-G	NMI
SMU1	2. 13E-24	-0. 11332	0. 332	0. 179	3. 19E-20 Class-G	SMU1
MAGOH. 5	2. 27E-24	-0. 19165	0. 703	0. 367	3. 39E-20 Class-G	MAGOH
BAG1. 5	2. 36E-24	-0. 1178	0. 586	0. 314	3. 52E-20 Class-G	BAG1
RENBP. 10	2. 37E-24	-0. 47597	0. 062	0. 147	3. 54E-20 Class-G	RENBP
EPB41L4A-	2. 43E-24	-0. 22507	0. 486	0. 262	3. 63E-20 Class-G	EPB41L4A-AS1
ELAVL2. 11	2. 64E-24	-0. 27854	0. 018	0. 09	3. 95E-20 Class-G	ELAVL2
GNGT2. 11	2. 68E-24	-0. 26345	0. 001	0. 061	4. 01E-20 Class-G	GNGT2
HHEX. 11	2. 92E-24	-0. 29399	0. 004	0. 066	4. 37E-20 Class-G	HHEX
PLAC8. 10	3. 45E-24	-0. 38201	0. 01	0. 077	5. 15E-20 Class-G	PLAC8
FAM133B. 3	3. 60E-24	-0. 14552	0. 804	0. 416	5. 37E-20 Class-G	FAM133B
SLC31A2. 1	3. 65E-24	-0. 67029	0. 12	0. 204	5. 46E-20 Class-G	SLC31A2
ENPP4. 7	3. 74E-24	-0. 22752	0. 002	0. 063	5. 59E-20 Class-G	ENPP4
PTPN18. 11	3. 82E-24	-0. 18265	0. 352	0. 187	5. 71E-20 Class-G	PTPN18
FUNDC2. 4	3. 88E-24	-0. 22794	0. 68	0. 357	5. 81E-20 Class-G	FUNDC2
DOCK5. 10	3. 90E-24	-0. 29151	0. 002	0. 064	5. 82E-20 Class-G	DOCK5
C19orf43. 4	4. 25E-24	0. 122205	0. 98	0. 622	6. 35E-20 Class-G	C19orf43
OSCAR. 11	4. 26E-24	-0. 30387	0. 013	0. 082	6. 37E-20 Class-G	OSCAR
DERL1. 5	4. 96E-24	-0. 20446	0. 518	0. 279	7. 41E-20 Class-G	DERL1
RNF149. 11	5. 30E-24	-0. 66239	0. 213	0. 28	7. 92E-20 Class-G	RNF149
ATIC. 3	5. 68E-24	-0. 14839	0. 369	0. 201	8. 49E-20 Class-G	ATIC
RP6-91H8. 6	0. 3E-24	-0. 32741	0. 003	0. 064	9. 01E-20 Class-G	RP6-91H8. 3
LTBR. 11	6. 40E-24	-0. 38273	0. 03	0. 106	9. 57E-20 Class-G	LTBR
NPL. 10	6. 45E-24	-0. 66734	0. 129	0. 212	9. 64E-20 Class-G	NPL
PPP1R15A. 6	6. 52E-24	-0. 58228	0. 503	0. 461	9. 74E-20 Class-G	PPP1R15A
MYT1L. 10	7. 07E-24	-0. 2508	0. 005	0. 067	1. 06E-19 Class-G	MYT1L
PIGK. 2	7. 24E-24	-0. 14129	0. 257	0. 134	1. 08E-19 Class-G	PIGK
BCL7B. 7	7. 27E-24	-0. 13665	0. 535	0. 287	1. 09E-19 Class-G	BCL7B
LY6E. 5	7. 47E-24	-0. 24366	0. 633	0. 334	1. 12E-19 Class-G	LY6E

COX5B.7	8.52E-24	-0.19889	0.998	0.824	1.27E-19	Class-G	COX5B
EIF4A2.7	9.19E-24	-0.28854	0.955	0.681	1.37E-19	Class-G	EIF4A2
TRAF3IP3.9	3.2E-24	-0.29343	0.001	0.061	1.39E-19	Class-G	TRAF3IP3
POLR1D.6	1.20E-23	-0.20571	0.702	0.368	1.80E-19	Class-G	POLR1D
ATP1A3.1C	1.23E-23	-0.37796	0.05	0.132	1.84E-19	Class-G	ATP1A3
TBC1D15	1.41E-23	-0.11647	0.274	0.145	2.11E-19	Class-G	TBC1D15
C10orf11.1	1.42E-23	-0.36047	0.035	0.112	2.12E-19	Class-G	C10orf11
CHRAC1.7	1.44E-23	-0.12929	0.246	0.128	2.15E-19	Class-G	CHRAC1
PRPF38B.6	1.65E-23	-0.13334	0.734	0.386	2.47E-19	Class-G	PRPF38B
SPSB3.6	1.76E-23	-0.18367	0.502	0.272	2.63E-19	Class-G	SPSB3
RBM23.3	1.91E-23	-0.21318	0.434	0.237	2.85E-19	Class-G	RBM23
PIK3AP1.1	2.02E-23	-0.2702	0.009	0.074	3.02E-19	Class-G	PIK3AP1
CECR1.9	2.24E-23	-0.32711	0.013	0.08	3.35E-19	Class-G	CECR1
C15orf48.2	2.41E-23	-0.3675	0.012	0.078	3.60E-19	Class-G	C15orf48
RGS18.11	2.67E-23	-0.26537	0.002	0.061	3.99E-19	Class-G	RGS18
CPVL.11	2.71E-23	-0.89449	0.332	0.352	4.06E-19	Class-G	CPVL
TOM1.9	2.97E-23	-0.17886	0.272	0.142	4.43E-19	Class-G	TOM1
HPSE.10	3.26E-23	-0.29122	0.005	0.067	4.87E-19	Class-G	HPSE
GSN.10	3.64E-23	-0.71732	0.617	0.492	5.44E-19	Class-G	GSN
CDKN1A.9	3.73E-23	-0.63339	0.249	0.317	5.57E-19	Class-G	CDKN1A
ATP50.2	3.99E-23	-0.26038	0.975	0.713	5.96E-19	Class-G	ATP50
CAMLG.10	4.45E-23	-0.1258	0.839	0.437	6.65E-19	Class-G	CAMLG
CPPED1.11	4.59E-23	-0.28618	0.012	0.077	6.87E-19	Class-G	CPPED1
PLCB2.11	4.73E-23	-0.28536	0.007	0.07	7.06E-19	Class-G	PLCB2
RGS19.11	5.68E-23	-0.29811	0.464	0.245	8.49E-19	Class-G	RGS19
STX4.7	5.74E-23	-0.29582	0.524	0.279	8.58E-19	Class-G	STX4
TRPV2.11	5.98E-23	-0.26672	0.006	0.067	8.94E-19	Class-G	TRPV2
VPS35.4	6.77E-23	-0.14038	0.733	0.381	1.01E-18	Class-G	VPS35
SPCS2.3	6.82E-23	-0.30423	0.963	0.692	1.02E-18	Class-G	SPCS2
POLE4.7	7.93E-23	-0.19051	0.467	0.255	1.19E-18	Class-G	POLE4
VRK2.10	7.99E-23	-0.23591	0.004	0.063	1.19E-18	Class-G	VRK2
SPN.11	8.14E-23	-0.2675	0.004	0.064	1.22E-18	Class-G	SPN
PHACTR3.1	9.39E-23	-0.25684	0.018	0.087	1.40E-18	Class-G	PHACTR3
SUPT4H1.4	1.09E-22	-0.15745	0.836	0.439	1.63E-18	Class-G	SUPT4H1
ECH1.5	1.11E-22	-0.10707	0.914	0.5	1.66E-18	Class-G	ECH1
IL6R.11	1.16E-22	-0.35191	0.025	0.096	1.74E-18	Class-G	IL6R
CMTM5.9	1.22E-22	-0.4641	0.035	0.11	1.83E-18	Class-G	CMTM5
HBEGF.11	1.38E-22	-0.65273	0.149	0.226	2.06E-18	Class-G	HBEGF
RSBN1L.9	1.50E-22	-0.20932	0.592	0.316	2.25E-18	Class-G	RSBN1L
NDUFC2.4	1.54E-22	-0.24404	0.978	0.716	2.30E-18	Class-G	NDUFC2
SERTAD1.7	1.57E-22	-0.35324	0.523	0.282	2.35E-18	Class-G	SERTAD1
STK38L.6	1.62E-22	-0.16873	0.254	0.133	2.43E-18	Class-G	STK38L
DOK3.11	1.72E-22	-0.26038	0.011	0.074	2.57E-18	Class-G	DOK3
TLR7.8	2.00E-22	-0.3029	0.005	0.064	2.99E-18	Class-G	TLR7
CIRBP.7	2.01E-22	-0.22876	0.999	0.844	3.01E-18	Class-G	CIRBP
DLX6.11	2.03E-22	-0.23367	0.005	0.065	3.03E-18	Class-G	DLX6
SOD2.7	2.03E-22	-0.83596	0.644	0.518	3.03E-18	Class-G	SOD2
PNPLA8.7	2.08E-22	-0.18831	0.575	0.31	3.10E-18	Class-G	PNPLA8
PPCS.8	2.14E-22	-0.23368	0.526	0.287	3.19E-18	Class-G	PPCS
AHR.10	2.21E-22	-0.24731	0.009	0.071	3.31E-18	Class-G	AHR
SFMBT2.9	2.67E-22	-0.37465	0.019	0.087	3.99E-18	Class-G	SFMBT2

HMGB2.10	2.89E-22	-0.69646	0.586	0.479	4.32E-18 Class-G	HMGB2
SCN1B.7	3.14E-22	-0.10115	0.133	0.06	4.69E-18 Class-G	SCN1B
IL10RB.11	3.16E-22	-0.2578	0.401	0.217	4.72E-18 Class-G	IL10RB
DPY30.8	3.89E-22	-0.14505	0.833	0.44	5.82E-18 Class-G	DPY30
MT1X.9	3.98E-22	-0.41992	0.935	0.519	5.96E-18 Class-G	MT1X
CCL20.10	4.00E-22	-0.34322	0.008	0.069	5.98E-18 Class-G	CCL20
DLX2.11	4.29E-22	-0.44824	0.044	0.119	6.41E-18 Class-G	DLX2
ZNF267.1C	4.55E-22	-0.16763	0.227	0.117	6.80E-18 Class-G	ZNF267
NDEL1.5	4.64E-22	-0.15806	0.258	0.136	6.93E-18 Class-G	NDEL1
ARMCX1.1C	4.69E-22	-0.17005	0.349	0.191	7.01E-18 Class-G	ARMCX1
TUBB4A.11	5.02E-22	-0.51306	0.052	0.129	7.50E-18 Class-G	TUBB4A
MGAT4A.11	5.10E-22	-0.64201	0.156	0.231	7.61E-18 Class-G	MGAT4A
SDS.11	5.21E-22	-0.35972	0.007	0.067	7.79E-18 Class-G	SDS
CLECL1.1C	5.28E-22	-0.22024	0.001	0.055	7.90E-18 Class-G	CLECL1
MTRNR2L1C	5.43E-22	-0.62967	0.018	0.083	8.11E-18 Class-G	MTRNR2L10
OLFML2B.1	6.28E-22	-0.33519	0.013	0.077	9.39E-18 Class-G	OLFML2B
DNAJB12.8	6.33E-22	-0.18072	0.249	0.132	9.46E-18 Class-G	DNAJB12
ST3GAL5.6	6.73E-22	-0.12032	0.31	0.171	1.01E-17 Class-G	ST3GAL5
LILRB2.11	6.91E-22	-0.27998	0.004	0.061	1.03E-17 Class-G	LILRB2
RRP7A.7	6.96E-22	-0.24346	0.472	0.257	1.04E-17 Class-G	RRP7A
MAT2B.2	7.38E-22	-0.21502	0.327	0.177	1.10E-17 Class-G	MAT2B
OTUD1.9	7.48E-22	-0.39183	0.036	0.108	1.12E-17 Class-G	OTUD1
GPRIN3.11	7.51E-22	-0.25929	0.007	0.067	1.12E-17 Class-G	GPRIN3
HOXC9.11	8.30E-22	-0.27957	0.025	0.095	1.24E-17 Class-G	HOXC9
TNFAIP8.1	8.63E-22	-0.33509	0.015	0.078	1.29E-17 Class-G	TNFAIP8
POLD4.9	9.42E-22	-0.20243	0.71	0.374	1.41E-17 Class-G	POLD4
UBE2E2.6	9.60E-22	-0.55698	0.179	0.25	1.44E-17 Class-G	UBE2E2
SMIM18.1C	1.10E-21	-0.22434	0.009	0.069	1.64E-17 Class-G	SMIM18
PGM2.7	1.12E-21	-0.17646	0.25	0.132	1.68E-17 Class-G	PGM2
SPCS1.4	1.20E-21	-0.2881	0.964	0.699	1.79E-17 Class-G	SPCS1
PNPLA4.6	1.39E-21	-0.30558	0.01	0.071	2.08E-17 Class-G	PNPLA4
TRPM2.11	1.48E-21	-0.24955	0.004	0.06	2.22E-17 Class-G	TRPM2
RP1-17K7.1	1.57E-21	-0.39739	0.005	0.063	2.35E-17 Class-G	RP1-17K7.2
NHSL2.6	1.63E-21	-0.50452	0.004	0.059	2.44E-17 Class-G	NHSL2
CRMP1.10	1.75E-21	-0.22631	0.44	0.237	2.62E-17 Class-G	CRMP1
CDKN3.10	1.88E-21	-0.10801	0.164	0.08	2.81E-17 Class-G	CDKN3
COX6B1.4	1.88E-21	-0.2243	0.996	0.821	2.81E-17 Class-G	COX6B1
CXCL2.8	1.97E-21	-0.48951	0.027	0.096	2.95E-17 Class-G	CXCL2
FGF9.10	2.05E-21	-0.20271	0.003	0.058	3.07E-17 Class-G	FGF9
HEXB.11	2.07E-21	-0.1596	0.688	0.359	3.09E-17 Class-G	HEXB
CDC37L1.7	2.26E-21	-0.1257	0.233	0.123	3.38E-17 Class-G	CDC37L1
CDC42SE1.2	2.27E-21	-0.17512	0.491	0.273	3.40E-17 Class-G	CDC42SE1
NAAA.11	3.05E-21	-0.15264	0.227	0.118	4.56E-17 Class-G	NAAA
SNX20.10	3.26E-21	-0.20638	0	0.052	4.87E-17 Class-G	SNX20
GBGT1.10	3.31E-21	-0.21668	0.003	0.058	4.95E-17 Class-G	GBGT1
RNF5.4	3.46E-21	-0.20194	0.65	0.348	5.17E-17 Class-G	RNF5
APOBEC3G.3	3.65E-21	-0.18611	0.203	0.104	5.46E-17 Class-G	APOBEC3G
CD300LF.9	3.88E-21	-0.21531	0.001	0.053	5.80E-17 Class-G	CD300LF
MAT2A.5	3.95E-21	-0.16567	0.637	0.342	5.90E-17 Class-G	MAT2A
DPYD.9	3.96E-21	-0.36561	0.039	0.111	5.92E-17 Class-G	DPYD
DNAJC9.5	4.16E-21	-0.12853	0.267	0.145	6.21E-17 Class-G	DNAJC9

SAA2.8	4.19E-21	-0.73291	0.004	0.06	6.27E-17 Class-G	SAA2
FAM96A.9	4.41E-21	-0.29877	0.598	0.317	6.60E-17 Class-G	FAM96A
DLEU7.10	4.44E-21	-0.25703	0.003	0.057	6.63E-17 Class-G	DLEU7
CYB561A3.	4.50E-21	-0.16571	0.252	0.134	6.73E-17 Class-G	CYB561A3
REL.11	4.70E-21	-0.69856	0.26	0.304	7.02E-17 Class-G	REL
ACP1.6	5.74E-21	-0.13909	0.84	0.443	8.58E-17 Class-G	ACP1
HSD17B4.4	5.85E-21	-0.17781	0.389	0.217	8.75E-17 Class-G	HSD17B4
PTGES3.3	5.92E-21	-0.21655	0.971	0.678	8.85E-17 Class-G	PTGES3
PIM1.6	6.64E-21	-0.38405	0.064	0.141	9.93E-17 Class-G	PIM1
TMEM52B.1	7.33E-21	-0.25508	0.002	0.055	1.10E-16 Class-G	TMEM52B
S100A10.1	7.83E-21	-0.21147	0.899	0.487	1.17E-16 Class-G	S100A10
ADRB2.9	8.86E-21	-0.26795	0.001	0.053	1.32E-16 Class-G	ADRB2
RP11-480C	9.45E-21	-0.30637	0.002	0.055	1.41E-16 Class-G	RP11-480C22.1
HBA2.6	1.01E-20	-0.5549	0.126	0.209	1.51E-16 Class-G	HBA2
ARHGAP18.	1.02E-20	-0.55127	0.106	0.183	1.53E-16 Class-G	ARHGAP18
EGR3.5	1.03E-20	-0.39208	0.042	0.114	1.54E-16 Class-G	EGR3
CAPZA2.4	1.03E-20	-0.30301	0.898	0.614	1.54E-16 Class-G	CAPZA2
NKG7.8	1.04E-20	-0.31156	0.004	0.057	1.55E-16 Class-G	NKG7
CTD-2090I	1.04E-20	-0.51507	0.005	0.061	1.56E-16 Class-G	CTD-2090I13.1
HILPDA.9	1.05E-20	-0.439	0.371	0.203	1.57E-16 Class-G	HILPDA
SDHC.5	1.06E-20	-0.11219	0.914	0.499	1.59E-16 Class-G	SDHC
DDX18.3	1.21E-20	-0.13487	0.839	0.446	1.81E-16 Class-G	DDX18
PLCG2.8	1.26E-20	-0.24925	0.002	0.055	1.88E-16 Class-G	PLCG2
ANG.8	1.26E-20	-0.36451	0.027	0.093	1.88E-16 Class-G	ANG
HOXA3.10	1.34E-20	-0.1936	0.007	0.064	2.01E-16 Class-G	HOXA3
HADHA.7	1.35E-20	-0.14054	0.736	0.393	2.01E-16 Class-G	HADHA
OSGEP.5	1.43E-20	-0.23259	0.329	0.182	2.13E-16 Class-G	OSGEP
GPN3.2	1.58E-20	-0.23614	0.41	0.228	2.37E-16 Class-G	GPN3
CLK1.6	1.60E-20	-0.58993	0.446	0.419	2.40E-16 Class-G	CLK1
KIF5A.9	1.67E-20	-0.11429	0.207	0.108	2.50E-16 Class-G	KIF5A
CREM.10	1.75E-20	-0.37664	0.693	0.36	2.61E-16 Class-G	CREM
KLHL6.10	1.94E-20	-0.27565	0.004	0.058	2.90E-16 Class-G	KLHL6
YBX1.7	1.97E-20	0.140885	0.991	0.726	2.95E-16 Class-G	YBX1
HOXA10.11	2.02E-20	-0.23312	0.021	0.086	3.02E-16 Class-G	HOXA10
RPN1.6	2.10E-20	-0.23901	0.682	0.365	3.14E-16 Class-G	RPN1
EIF4EBP1.	2.19E-20	-0.16413	0.708	0.38	3.27E-16 Class-G	EIF4EBP1
TES.11	2.20E-20	-0.25029	0.002	0.053	3.29E-16 Class-G	TES
SCG3.11	2.34E-20	-0.13872	0.418	0.242	3.50E-16 Class-G	SCG3
GIMAP6.9	2.37E-20	-0.22384	0	0.05	3.54E-16 Class-G	GIMAP6
C11orf71.	2.87E-20	-0.1057	0.082	0.032	4.29E-16 Class-G	C11orf71
NUP35.5	3.06E-20	-0.10611	0.19	0.099	4.58E-16 Class-G	NUP35
NT5DC1.6	3.10E-20	-0.24217	0.005	0.06	4.64E-16 Class-G	NT5DC1
ATP6V1G1.	3.79E-20	-0.24633	0.978	0.718	5.66E-16 Class-G	ATP6V1G1
SDHD.7	3.98E-20	-0.21299	0.653	0.354	5.95E-16 Class-G	SDHD
PPP1R9A.1	4.21E-20	-0.21607	0.018	0.08	6.29E-16 Class-G	PPP1R9A
PAK7.10	4.51E-20	-0.1733	0.002	0.054	6.73E-16 Class-G	PAK7
CREB3L2.9	4.99E-20	-0.14516	0.209	0.11	7.45E-16 Class-G	CREB3L2
M6PR.11	6.11E-20	-0.24383	0.643	0.34	9.13E-16 Class-G	M6PR
ENPP2.5	8.97E-20	-0.30941	0.002	0.052	1.34E-15 Class-G	ENPP2
IL4I1.9	9.00E-20	-0.29193	0.015	0.073	1.34E-15 Class-G	IL4I1
NCKAP5L.3	1.01E-19	-0.12944	0.195	0.101	1.51E-15 Class-G	NCKAP5L

ITGA5.7	1.07E-19	-0.11909	0.149	0.073	1.60E-15 Class-G	ITGA5
ZFAND1.1	1.08E-19	-0.20386	0.288	0.159	1.62E-15 Class-G	ZFAND1
ZBTB16.6	1.20E-19	-0.48593	0.09	0.166	1.80E-15 Class-G	ZBTB16
IKBIP.9	1.37E-19	-0.23624	0.366	0.204	2.05E-15 Class-G	IKBIP
TLR5.8	1.48E-19	-0.25836	0.002	0.052	2.20E-15 Class-G	TLR5
S100B.10	1.57E-19	-0.19096	0.832	0.478	2.34E-15 Class-G	S100B
AKAP9.9	1.76E-19	-0.15118	0.754	0.4	2.63E-15 Class-G	AKAP9
CMIP.6	1.97E-19	-0.15051	0.283	0.155	2.94E-15 Class-G	CMIP
RWDD1.3	2.14E-19	-0.12511	0.868	0.471	3.19E-15 Class-G	RWDD1
RALGDS.6	2.22E-19	-0.11291	0.247	0.136	3.31E-15 Class-G	RALGDS
ATF7IP2.1	2.24E-19	-0.22763	0.001	0.048	3.35E-15 Class-G	ATF7IP2
ADCY7.11	2.44E-19	-0.27618	0.014	0.071	3.65E-15 Class-G	ADCY7
EPB41L2.9	2.46E-19	-0.28367	0.51	0.278	3.67E-15 Class-G	EPB41L2
LRMP.9	2.82E-19	-0.22329	0.002	0.052	4.22E-15 Class-G	LRMP
SEPT6.9	2.91E-19	-0.19907	0.273	0.148	4.34E-15 Class-G	6-Sep
S100A6.1C	3.55E-19	-0.18069	0.938	0.595	5.30E-15 Class-G	S100A6
INA.7	3.79E-19	-0.16899	0.001	0.049	5.66E-15 Class-G	INA
MIR22HG.9	4.45E-19	-0.19116	0.192	0.1	6.65E-15 Class-G	MIR22HG
PRDM1.10	4.67E-19	-0.40334	0.042	0.109	6.98E-15 Class-G	PRDM1
UGT8.9	4.68E-19	-0.26576	0.005	0.057	6.99E-15 Class-G	UGT8
IGF1.9	4.85E-19	-0.31915	0.013	0.069	7.25E-15 Class-G	IGF1
IL2RG.7	5.25E-19	-0.27968	0.002	0.05	7.84E-15 Class-G	IL2RG
PAK1.10	5.28E-19	-0.47688	0.107	0.18	7.89E-15 Class-G	PAK1
SH3BGR.7	5.44E-19	-0.21704	0.207	0.11	8.12E-15 Class-G	SH3BGR
ZNF394.4	5.52E-19	-0.16097	0.235	0.127	8.25E-15 Class-G	ZNF394
TMEM144.6	5.56E-19	-0.48019	0.025	0.086	8.31E-15 Class-G	TMEM144
CD52.9	6.10E-19	-0.40229	0.007	0.059	9.11E-15 Class-G	CD52
TPMT.9	6.15E-19	-0.20304	0.309	0.172	9.20E-15 Class-G	TPMT
IDNK.3	6.58E-19	-0.12414	0.164	0.084	9.83E-15 Class-G	IDNK
CCDC91.5	6.84E-19	-0.17796	0.315	0.177	1.02E-14 Class-G	CCDC91
NUPR1.9	7.84E-19	-0.35169	0.525	0.291	1.17E-14 Class-G	NUPR1
IL7R.9	1.08E-18	-0.301	0.008	0.061	1.61E-14 Class-G	IL7R
SIGLEC14.1	1.14E-18	-0.22762	0.003	0.051	1.70E-14 Class-G	SIGLEC14
ETFDH.6	1.15E-18	-0.12583	0.202	0.109	1.72E-14 Class-G	ETFDH
RP11-834C	1.18E-18	-0.33962	0.039	0.106	1.76E-14 Class-G	RP11-834C11.4
FES.11	1.33E-18	-0.32194	0.027	0.088	1.99E-14 Class-G	FES
PRAM1.9	1.37E-18	-0.26535	0.008	0.06	2.04E-14 Class-G	PRAM1
ATP8B4.9	1.50E-18	-0.20983	0.002	0.05	2.23E-14 Class-G	ATP8B4
RGCC.9	1.65E-18	-0.39038	0.173	0.263	2.47E-14 Class-G	RGCC
COMMD6.5	1.77E-18	-0.2337	0.971	0.744	2.64E-14 Class-G	COMMD6
POMC.10	1.88E-18	-0.23388	0.005	0.054	2.80E-14 Class-G	POMC
HTATIP2.1	2.14E-18	-0.18702	0.241	0.131	3.19E-14 Class-G	HTATIP2
ATP5B.7	2.99E-18	-0.1959	0.985	0.741	4.46E-14 Class-G	ATP5B
ANKH.7	3.06E-18	-0.35792	0.085	0.159	4.57E-14 Class-G	ANKH
MTSS1.7	3.46E-18	-0.48998	0.156	0.222	5.17E-14 Class-G	MTSS1
SP100.10	3.46E-18	-0.7539	0.254	0.292	5.17E-14 Class-G	SP100
ERV3-1.1C	3.93E-18	-0.2268	0.417	0.235	5.87E-14 Class-G	ERV3-1
ARL11.10	3.97E-18	-0.19855	0.001	0.045	5.93E-14 Class-G	ARL11
SLC8A1.9	4.04E-18	-0.12177	0.235	0.13	6.03E-14 Class-G	SLC8A1
PIK3R5.1C	4.05E-18	-0.22043	0.005	0.054	6.05E-14 Class-G	PIK3R5
NDUFB11.4	4.13E-18	-0.23351	0.973	0.696	6.18E-14 Class-G	NDUFB11

PABPC4.11	4.23E-18	-0.20495	0.532	0.295	6.32E-14 Class-G	PABPC4
DGUOK.8	4.33E-18	-0.12901	0.859	0.459	6.48E-14 Class-G	DGUOK
SRSF5.2	4.39E-18	-0.27812	0.928	0.656	6.56E-14 Class-G	SRSF5
SRP14.4	4.98E-18	-0.20042	0.995	0.846	7.45E-14 Class-G	SRP14
SIPA1.11	5.20E-18	-0.16983	0.229	0.125	7.78E-14 Class-G	SIPA1
COPZ1.4	5.54E-18	-0.18267	0.813	0.432	8.28E-14 Class-G	COPZ1
RPA3.6	5.57E-18	-0.27634	0.557	0.308	8.32E-14 Class-G	RPA3
PICALM.11	5.82E-18	-0.24318	0.454	0.253	8.69E-14 Class-G	PICALM
SLC15A3.1	6.05E-18	-0.27564	0.02	0.077	9.03E-14 Class-G	SLC15A3
VKORC1.6	6.31E-18	-0.16233	0.825	0.442	9.43E-14 Class-G	VKORC1
PXK.4	6.44E-18	-0.15267	0.229	0.125	9.62E-14 Class-G	PXK
HUS1.3	6.47E-18	-0.13984	0.195	0.105	9.66E-14 Class-G	HUS1
SLC32A1.9	7.31E-18	-0.17271	0	0.043	1.09E-13 Class-G	SLC32A1
OSTC.8	7.39E-18	-0.17828	0.836	0.449	1.10E-13 Class-G	OSTC
NDUFA7.7	7.40E-18	-0.426	0.003	0.049	1.11E-13 Class-G	NDUFA7
ACER3.9	7.44E-18	-0.19507	0.295	0.167	1.11E-13 Class-G	ACER3
ZNF536.8	7.95E-18	-0.17957	0.003	0.049	1.19E-13 Class-G	ZNF536
ST18.7	7.98E-18	-0.19305	0.001	0.046	1.19E-13 Class-G	ST18
GIMAP5.9	8.30E-18	-0.2494	0.008	0.057	1.24E-13 Class-G	GIMAP5
RAB27A.8	8.34E-18	-0.12514	0.138	0.068	1.25E-13 Class-G	RAB27A
CTB-61M7.8	8.94E-18	-0.22522	0.001	0.044	1.34E-13 Class-G	CTB-61M7.2
SLC29A1.1	9.33E-18	-0.48261	0.079	0.147	1.39E-13 Class-G	SLC29A1
FAM53C.6	9.57E-18	-0.25443	0.385	0.218	1.43E-13 Class-G	FAM53C
CUTC.4	9.62E-18	-0.17712	0.206	0.112	1.44E-13 Class-G	CUTC
MAOB.9	9.71E-18	-0.1567	0.167	0.087	1.45E-13 Class-G	MAOB
CD7.8	1.03E-17	-0.30737	0.004	0.05	1.55E-13 Class-G	CD7
LYVE1.9	1.06E-17	-0.33468	0.001	0.044	1.58E-13 Class-G	LYVE1
CCDC57.11	1.06E-17	-0.15673	0.181	0.095	1.58E-13 Class-G	CCDC57
SELL.7	1.14E-17	-0.22529	0	0.043	1.71E-13 Class-G	SELL
MX2.11	1.17E-17	-0.29193	0.017	0.072	1.76E-13 Class-G	MX2
ACO69363.1	1.27E-17	-0.30119	0.008	0.058	1.89E-13 Class-G	ACO69363.1
TLR4.9	1.40E-17	-0.20777	0.002	0.047	2.09E-13 Class-G	TLR4
PRKCH.8	1.94E-17	-0.23287	0.004	0.05	2.90E-13 Class-G	PRKCH
IL13RA2.8	2.16E-17	-0.25614	0.011	0.062	3.23E-13 Class-G	IL13RA2
KCNJ3.1	2.31E-17	-0.3154	0.005	0.051	3.45E-13 Class-G	KCNJ3
FGD3.6	2.51E-17	-0.18669	0.002	0.045	3.75E-13 Class-G	FGD3
ASCL2.10	2.62E-17	-0.17024	0.001	0.043	3.91E-13 Class-G	ASCL2
DCAF12.2	2.65E-17	-0.12156	0.219	0.122	3.96E-13 Class-G	DCAF12
AUP1.7	2.65E-17	-0.10307	0.863	0.466	3.97E-13 Class-G	AUP1
SON.4	2.75E-17	-0.2671	0.964	0.669	4.11E-13 Class-G	SON
TFRC.9	2.80E-17	-0.1928	0.33	0.189	4.18E-13 Class-G	TFRC
UCHL3.6	3.23E-17	-0.26746	0.392	0.224	4.82E-13 Class-G	UCHL3
SORBS2.9	3.61E-17	-0.17595	0.008	0.057	5.39E-13 Class-G	SORBS2
WIPF1.11	3.70E-17	-0.26794	0.351	0.198	5.53E-13 Class-G	WIPF1
SLC38A1.8	3.81E-17	-0.33507	0.081	0.151	5.69E-13 Class-G	SLC38A1
TPX2.10	3.90E-17	-0.11581	0.143	0.072	5.82E-13 Class-G	TPX2
RPP30.6	4.09E-17	-0.22059	0.269	0.152	6.11E-13 Class-G	RPP30
APOBR.10	4.54E-17	-0.1839	0.001	0.044	6.79E-13 Class-G	APOBR
RPS6KA1.1	4.56E-17	-0.43005	0.074	0.14	6.82E-13 Class-G	RPS6KA1
KCNQ1.10	5.14E-17	-0.18736	0.002	0.045	7.68E-13 Class-G	KCNQ1
DEDD2.5	5.14E-17	-0.14887	0.274	0.155	7.68E-13 Class-G	DEDD2

SSH2.6	5.20E-17	-0.21958	0.281	0.159	7.77E-13	Class-G	SSH2
APIP.8	5.31E-17	-0.23997	0.367	0.211	7.94E-13	Class-G	APIP
HRH2.8	5.91E-17	-0.19115	0.002	0.046	8.84E-13	Class-G	HRH2
RP11-76E1	6.28E-17	-0.23422	0.001	0.042	9.39E-13	Class-G	RP11-76E17.3
STAT6.11	9.17E-17	-0.25084	0.01	0.059	1.37E-12	Class-G	STAT6
GCA.11	9.48E-17	-0.66105	0.273	0.303	1.42E-12	Class-G	GCA
CSTB.9	9.54E-17	-0.31375	0.945	0.648	1.43E-12	Class-G	CSTB
ANKRD12.5	1.00E-16	-0.19565	0.699	0.381	1.50E-12	Class-G	ANKRD12
RP11-11N9	1.04E-16	-0.22329	0.012	0.061	1.55E-12	Class-G	RP11-11N9.4
MEIS2.9	1.04E-16	-0.24754	0.321	0.184	1.56E-12	Class-G	MEIS2
GPD1.10	1.05E-16	-0.23145	0.008	0.055	1.57E-12	Class-G	GPD1
MCL1.8	1.07E-16	-0.44315	0.802	0.565	1.60E-12	Class-G	MCL1
ERMN.9	1.16E-16	-0.38898	0.002	0.044	1.74E-12	Class-G	ERMN
RP11-347F	1.25E-16	-0.32355	0.019	0.072	1.86E-12	Class-G	RP11-347P5.1
SELK.6	1.37E-16	-0.28621	0.958	0.659	2.05E-12	Class-G	SELK
PRRG4.9	1.39E-16	-0.20875	0.006	0.051	2.08E-12	Class-G	PRRG4
FAM159A.1	1.39E-16	-0.20248	0.006	0.051	2.08E-12	Class-G	FAM159A
ASCC1.3	1.39E-16	-0.12823	0.186	0.101	2.08E-12	Class-G	ASCC1
LHPP.7	1.64E-16	-0.29095	0.175	0.094	2.46E-12	Class-G	LHPP
LBR.7	1.65E-16	-0.16142	0.365	0.211	2.47E-12	Class-G	LBR
SLFN11.7	1.67E-16	-0.18227	0.005	0.049	2.50E-12	Class-G	SLFN11
VIPR2.10	1.71E-16	-0.26774	0.032	0.091	2.56E-12	Class-G	VIPR2
PTPN7.11	1.79E-16	-0.34468	0.03	0.086	2.68E-12	Class-G	PTPN7
CRYBB1.9	2.18E-16	-0.23108	0.004	0.048	3.26E-12	Class-G	CRYBB1
HEBP1.7	2.46E-16	-0.1833	0.3	0.171	3.68E-12	Class-G	HEBP1
PDZRN4.7	2.61E-16	-0.16367	0.002	0.044	3.91E-12	Class-G	PDZRN4
LRRC61.9	2.68E-16	-0.20009	0.019	0.071	4.00E-12	Class-G	LRRC61
PSMA6.6	2.77E-16	-0.32165	0.352	0.202	4.15E-12	Class-G	PSMA6
TMEM55B.2	2.87E-16	-0.18759	0.342	0.198	4.30E-12	Class-G	TMEM55B
DDIT4.10	3.20E-16	-0.57675	0.409	0.409	4.79E-12	Class-G	DDIT4
MYL12B.9	3.22E-16	-0.27315	0.952	0.69	4.81E-12	Class-G	MYL12B
ZC2HC1A.1	3.29E-16	-0.19482	0.332	0.191	4.91E-12	Class-G	ZC2HC1A
IFITM10.6	3.36E-16	-0.37154	0.07	0.135	5.02E-12	Class-G	IFITM10
LAP3.9	3.45E-16	-0.23106	0.797	0.442	5.16E-12	Class-G	LAP3
FOXP1.7	3.51E-16	-0.73893	0.181	0.239	5.24E-12	Class-G	FOXP1
ICAM2.10	4.44E-16	-0.1955	0.001	0.04	6.63E-12	Class-G	ICAM2
DCTN3.4	4.75E-16	-0.10967	0.858	0.46	7.11E-12	Class-G	DCTN3
DUSP26.9	4.99E-16	-0.30785	0.038	0.096	7.46E-12	Class-G	DUSP26
CMKLR1.9	5.01E-16	-0.22849	0.01	0.056	7.48E-12	Class-G	CMKLR1
NAMPT.10	5.10E-16	-0.80572	0.491	0.429	7.62E-12	Class-G	NAMPT
BEX2.10	5.13E-16	-0.58285	0.212	0.264	7.66E-12	Class-G	BEX2
CD1D.9	5.18E-16	-0.21599	0.002	0.043	7.74E-12	Class-G	CD1D
RUNX3.9	6.10E-16	-0.19799	0.003	0.044	9.12E-12	Class-G	RUNX3
SERPINF1.6	6.29E-16	-0.63503	0.177	0.232	9.41E-12	Class-G	SERPINF1
PRDX1.8	6.37E-16	-0.24285	0.99	0.778	9.52E-12	Class-G	PRDX1
ISG20.6	7.46E-16	-0.27477	0.198	0.109	1.12E-11	Class-G	ISG20
BATF.8	7.52E-16	-0.18824	0.003	0.044	1.12E-11	Class-G	BATF
MAG.9	7.80E-16	-0.40546	0.002	0.043	1.16E-11	Class-G	MAG
IER3IP1.6	8.25E-16	-0.41618	0.003	0.044	1.23E-11	Class-G	IER3IP1
FKBP7.7	8.69E-16	-0.10575	0.153	0.081	1.30E-11	Class-G	FKBP7
UFC1.6	9.00E-16	-0.10922	0.919	0.503	1.35E-11	Class-G	UFC1

SEMA6B. 6	9. 01E-16	-0. 18944	0. 01	0. 055	1. 35E-11 Class-G	SEMA6B
CCT5. 8	9. 03E-16	-0. 13019	0. 789	0. 432	1. 35E-11 Class-G	CCT5
SCNN1A. 4	9. 10E-16	-0. 28363	0. 011	0. 057	1. 36E-11 Class-G	SCNN1A
DSC2. 9	9. 68E-16	-0. 15203	0	0. 038	1. 45E-11 Class-G	DSC2
TNF. 8	1. 09E-15	-0. 24255	0. 006	0. 049	1. 63E-11 Class-G	TNF
DPEP2. 9	1. 21E-15	-0. 1938	0. 001	0. 039	1. 81E-11 Class-G	DPEP2
RP5-1177M	1. 24E-15	-0. 20747	0. 007	0. 051	1. 86E-11 Class-G	RP5-1177M21. 1
BTG1. 10	1. 25E-15	-0. 21711	0. 933	0. 649	1. 87E-11 Class-G	BTG1
MOBP. 10	1. 28E-15	-0. 34788	0. 002	0. 041	1. 92E-11 Class-G	MOBP
A2M. 9	1. 32E-15	-0. 73453	0. 546	0. 45	1. 97E-11 Class-G	A2M
OLFML3. 1C	1. 42E-15	-0. 70984	0. 183	0. 234	2. 12E-11 Class-G	OLFML3
PTPRN2. 6	1. 43E-15	-0. 48898	0. 16	0. 22	2. 14E-11 Class-G	PTPRN2
CD9. 5	1. 68E-15	-0. 62021	0. 665	0. 549	2. 51E-11 Class-G	CD9
WNT5A. 10	1. 69E-15	-0. 20653	0. 016	0. 065	2. 52E-11 Class-G	WNT5A
RNASE3. 9	1. 71E-15	-0. 22315	0. 001	0. 038	2. 55E-11 Class-G	RNASE3
CLEC4A. 11	1. 76E-15	-0. 29064	0. 019	0. 068	2. 63E-11 Class-G	CLEC4A
SEMA4A. 9	1. 82E-15	-0. 19076	0. 01	0. 056	2. 72E-11 Class-G	SEMA4A
LOX. 8	1. 83E-15	-0. 12428	0. 085	0. 038	2. 73E-11 Class-G	LOX
IRF5. 11	1. 94E-15	-0. 26537	0. 017	0. 066	2. 90E-11 Class-G	IRF5
MKRN1. 10	1. 97E-15	-0. 18767	0. 667	0. 366	2. 94E-11 Class-G	MKRN1
TMC8. 9	2. 06E-15	-0. 19613	0. 006	0. 048	3. 08E-11 Class-G	TMC8
PALD1. 10	2. 13E-15	-0. 40098	0. 052	0. 11	3. 18E-11 Class-G	PALD1
HSPA1B. 7	2. 17E-15	-0. 64516	0. 42	0. 409	3. 24E-11 Class-G	HSPA1B
MAD1L1. 5	2. 20E-15	-0. 14022	0. 246	0. 142	3. 29E-11 Class-G	MAD1L1
PKIA. 11	2. 26E-15	-0. 27462	0. 044	0. 101	3. 37E-11 Class-G	PKIA
ARG2. 7	2. 28E-15	-0. 37082	0. 049	0. 107	3. 41E-11 Class-G	ARG2
FXYD7. 10	2. 80E-15	-0. 26529	0. 03	0. 086	4. 19E-11 Class-G	FXYD7
MIR7-3HG.	2. 97E-15	-0. 19817	0. 001	0. 039	4. 44E-11 Class-G	MIR7-3HG
SCN3B. 8	3. 02E-15	-0. 24259	0. 027	0. 079	4. 52E-11 Class-G	SCN3B
PCED1B. 9	3. 05E-15	-0. 18437	0. 002	0. 041	4. 56E-11 Class-G	PCED1B
TMEM258. 5	3. 13E-15	-0. 24711	0. 966	0. 69	4. 68E-11 Class-G	TMEM258
RARRES3. 6	3. 15E-15	-0. 41767	0. 378	0. 221	4. 71E-11 Class-G	RARRES3
HSDL1. 10	3. 35E-15	-0. 11781	0. 209	0. 118	5. 01E-11 Class-G	HSDL1
SNN. 11	3. 37E-15	-0. 1547	0. 349	0. 206	5. 04E-11 Class-G	SNN
RXRA. 6	3. 47E-15	-0. 1241	0. 159	0. 086	5. 19E-11 Class-G	RXRA
PTPRO. 9	3. 62E-15	-0. 24211	0. 032	0. 086	5. 41E-11 Class-G	PTPRO
DYNLL1. 7	3. 80E-15	-0. 21487	0. 993	0. 81	5. 67E-11 Class-G	DYNLL1
SHFM1. 7	3. 93E-15	-0. 23209	0. 972	0. 682	5. 88E-11 Class-G	SHFM1
MBNL2. 5	3. 98E-15	-0. 11326	0. 158	0. 085	5. 95E-11 Class-G	MBNL2
ALCAM. 9	4. 10E-15	-0. 14604	0. 303	0. 178	6. 13E-11 Class-G	ALCAM
COX17. 6	4. 10E-15	-0. 16942	0. 846	0. 464	6. 13E-11 Class-G	COX17
CD180. 10	4. 20E-15	-0. 16542	0. 003	0. 042	6. 27E-11 Class-G	CD180
ARRB2. 11	4. 31E-15	-0. 71395	0. 444	0. 393	6. 45E-11 Class-G	ARRB2
HPCAL1. 7	4. 32E-15	-0. 16491	0. 327	0. 191	6. 45E-11 Class-G	HPCAL1
SMIM3. 7	4. 33E-15	-0. 43324	0. 002	0. 041	6. 48E-11 Class-G	SMIM3
NRXN1. 10	4. 43E-15	-0. 38806	0. 107	0. 172	6. 62E-11 Class-G	NRXN1
MPP1. 11	4. 70E-15	-0. 55324	0. 154	0. 208	7. 02E-11 Class-G	MPP1
ITM2A. 10	4. 88E-15	-0. 24266	0. 015	0. 062	7. 29E-11 Class-G	ITM2A
PSMB2. 5	5. 16E-15	-0. 13197	0. 924	0. 517	7. 71E-11 Class-G	PSMB2
PPFIA2. 7	5. 29E-15	-0. 15928	0. 008	0. 052	7. 90E-11 Class-G	PPFIA2
PRUNE2. 8	5. 45E-15	-0. 1579	0. 187	0. 105	8. 14E-11 Class-G	PRUNE2



IL4R. 11	5. 55E-15	-0. 29252	0. 027	0. 078	8. 29E-11 Class-G	IL4R
TXNDC11. 3	5. 72E-15	-0. 11665	0. 187	0. 105	8. 56E-11 Class-G	TXNDC11
PRKAG2-AS	5. 73E-15	-0. 43962	0. 073	0. 133	8. 56E-11 Class-G	PRKAG2-AS1
FAM50B. 2	5. 77E-15	-0. 17328	0. 007	0. 048	8. 62E-11 Class-G	FAM50B
FAM177B. 7	6. 20E-15	-0. 18135	0	0. 036	9. 26E-11 Class-G	FAM177B
BCL11B. 8	6. 33E-15	-0. 14976	0. 001	0. 038	9. 47E-11 Class-G	BCL11B
FABP6. 9	6. 55E-15	-0. 16223	0. 004	0. 044	9. 79E-11 Class-G	FABP6
GDAP1L1. 1	6. 65E-15	-0. 32608	0. 051	0. 109	9. 94E-11 Class-G	GDAP1L1
ADI1. 4	7. 38E-15	-0. 16923	0. 659	0. 365	1. 10E-10 Class-G	ADI1
GPR132. 8	7. 39E-15	-0. 16446	0	0. 036	1. 10E-10 Class-G	GPR132
NFAM1. 9	7. 47E-15	-0. 16745	0. 002	0. 039	1. 12E-10 Class-G	NFAM1
CNTN2. 7	7. 67E-15	-0. 29403	0. 006	0. 047	1. 15E-10 Class-G	CNTN2
EIF5B. 6	8. 07E-15	-0. 14813	0. 856	0. 467	1. 21E-10 Class-G	EIF5B
C10orf128	8. 07E-15	-0. 17197	0	0. 035	1. 21E-10 Class-G	C10orf128
LDHB. 7	8. 30E-15	-0. 23248	0. 986	0. 745	1. 24E-10 Class-G	LDHB
ECHDC3. 9	8. 34E-15	-0. 15753	0. 001	0. 038	1. 25E-10 Class-G	ECHDC3
ME2. 6	8. 61E-15	-0. 19694	0. 347	0. 204	1. 29E-10 Class-G	ME2
DCTN2. 5	8. 68E-15	-0. 19227	0. 843	0. 452	1. 30E-10 Class-G	DCTN2
CLEC9A. 9	9. 07E-15	-0. 23645	0. 001	0. 038	1. 35E-10 Class-G	CLEC9A
CHST11. 9	9. 15E-15	-0. 16803	0. 328	0. 194	1. 37E-10 Class-G	CHST11
CCNG1. 6	9. 48E-15	-0. 27612	0. 417	0. 245	1. 42E-10 Class-G	CCNG1
DENND1C. 9	9. 98E-15	-0. 17879	0. 002	0. 039	1. 49E-10 Class-G	DENND1C
GREM1. 3	1. 00E-14	-0. 30881	0. 001	0. 038	1. 50E-10 Class-G	GREM1
NDUF3AF3. 4	1. 09E-14	-0. 12522	0. 847	0. 463	1. 62E-10 Class-G	NDUF3AF3
TGFBR2. 1C	1. 09E-14	-0. 18363	0. 189	0. 105	1. 63E-10 Class-G	TGFBR2
PYGL. 10	1. 18E-14	-0. 27708	0. 3	0. 175	1. 76E-10 Class-G	PYGL
FBXL15. 1C	1. 20E-14	-0. 19144	0. 305	0. 177	1. 80E-10 Class-G	FBXL15
KCNK6. 9	1. 27E-14	-0. 19488	0. 005	0. 045	1. 90E-10 Class-G	KCNK6
TCEAL4. 9	1. 27E-14	-0. 11601	0. 924	0. 514	1. 90E-10 Class-G	TCEAL4
CCP110. 8	1. 32E-14	-0. 12107	0. 196	0. 112	1. 98E-10 Class-G	CCP110
COMMD8. 9	1. 47E-14	-0. 26102	0. 348	0. 204	2. 20E-10 Class-G	COMMD8
ZCCHC6. 9	1. 50E-14	-0. 16577	0. 214	0. 122	2. 24E-10 Class-G	ZCCHC6
TMEM255B. 1	1. 55E-14	-0. 29207	0. 016	0. 062	2. 31E-10 Class-G	TMEM255B
GLIPR1. 1C	1. 68E-14	-0. 35818	0. 528	0. 303	2. 51E-10 Class-G	GLIPR1
ARHGAP22. 1	1. 81E-14	-0. 3019	0. 03	0. 082	2. 70E-10 Class-G	ARHGAP22
CELF3. 11	1. 82E-14	-0. 2171	0. 024	0. 073	2. 71E-10 Class-G	CELF3
DEPTOR. 7	1. 94E-14	-0. 23225	0. 008	0. 05	2. 90E-10 Class-G	DEPTOR
LDHA. 7	2. 00E-14	-0. 33875	0. 958	0. 735	2. 99E-10 Class-G	LDHA
POMP. 5	2. 00E-14	-0. 17663	0. 965	0. 697	2. 99E-10 Class-G	POMP
CRIP1. 9	2. 08E-14	-0. 25851	0. 005	0. 045	3. 11E-10 Class-G	CRIP1
ARPC4. 11	2. 11E-14	-0. 12298	0. 842	0. 46	3. 16E-10 Class-G	ARPC4
ANP32B. 9	2. 12E-14	-0. 12952	0. 74	0. 402	3. 17E-10 Class-G	ANP32B
MPEG1. 9	2. 14E-14	-0. 18754	0. 007	0. 048	3. 20E-10 Class-G	MPEG1
TMEM163. 5	2. 17E-14	-0. 19314	0. 021	0. 069	3. 24E-10 Class-G	TMEM163
NCOA7. 6	2. 23E-14	-0. 15644	0. 184	0. 104	3. 34E-10 Class-G	NCOA7
TF. 10	2. 34E-14	-0. 47095	0. 029	0. 08	3. 49E-10 Class-G	TF
CXCR4. 9	2. 41E-14	-0. 83443	0. 419	0. 384	3. 60E-10 Class-G	CXCR4
AURKA. 8	2. 46E-14	-0. 11266	0. 131	0. 069	3. 68E-10 Class-G	AURKA
ACSM5. 6	2. 61E-14	-0. 18809	0. 002	0. 038	3. 90E-10 Class-G	ACSM5
RP11-742E	2. 71E-14	-0. 16638	0. 001	0. 035	4. 06E-10 Class-G	RP11-742B18. 1
CLDN11. 9	2. 79E-14	-0. 40052	0. 01	0. 051	4. 17E-10 Class-G	CLDN11

ARPC5.10	2.90E-14	-0.27931	0.916	0.633	4.33E-10 Class-G	ARPC5
TOX3.9	2.90E-14	-0.23102	0.025	0.074	4.34E-10 Class-G	TOX3
UQCRH.5	3.02E-14	-0.18292	0.985	0.747	4.51E-10 Class-G	UQCRH
ALDH1A1.6	3.03E-14	-0.16732	0	0.034	4.53E-10 Class-G	ALDH1A1
SUMO2.7	3.44E-14	-0.14665	0.986	0.794	5.13E-10 Class-G	SUMO2
CELF4.10	3.54E-14	-0.31823	0.045	0.1	5.29E-10 Class-G	CELF4
MAGED2.11	3.54E-14	-0.15203	0.83	0.456	5.30E-10 Class-G	MAGED2
ALDH2.8	3.64E-14	-0.55947	0.388	0.368	5.43E-10 Class-G	ALDH2
RP3-460G2	3.70E-14	-0.35033	0.019	0.066	5.52E-10 Class-G	RP3-460G2.2
TBC1D10C.	3.71E-14	-0.17002	0.001	0.035	5.55E-10 Class-G	TBC1D10C
HENMT1.9	3.77E-14	-0.16867	0.002	0.037	5.63E-10 Class-G	HENMT1
ARL6IP5.5	3.88E-14	-0.38578	0.894	0.61	5.79E-10 Class-G	ARL6IP5
GNG3.9	3.92E-14	-0.27186	0.03	0.081	5.85E-10 Class-G	GNG3
AP005530.	4.31E-14	-0.16405	0	0.034	6.44E-10 Class-G	AP005530.2
MOG.9	4.43E-14	-0.27931	0.001	0.036	6.62E-10 Class-G	MOG
IL12RB1.1	4.46E-14	-0.16829	0.001	0.036	6.67E-10 Class-G	IL12RB1
EMP2.5	4.48E-14	-0.17554	0.172	0.098	6.69E-10 Class-G	EMP2
TAF7.10	4.51E-14	-0.10771	0.907	0.496	6.74E-10 Class-G	TAF7
HK2.8	4.63E-14	-0.10005	0.14	0.076	6.92E-10 Class-G	HK2
ADAM8.9	4.68E-14	-0.20204	0.008	0.049	7.00E-10 Class-G	ADAM8
CACNA2D3.	4.69E-14	-0.13892	0.001	0.036	7.01E-10 Class-G	CACNA2D3
LACTB.11	4.79E-14	-0.19093	0.259	0.151	7.17E-10 Class-G	LACTB
RPRM.11	4.80E-14	-0.25362	0.025	0.073	7.17E-10 Class-G	RPRM
TAL1.7	4.80E-14	-0.19358	0.003	0.039	7.17E-10 Class-G	TAL1
THOC6.6	4.81E-14	-0.21371	0.263	0.154	7.19E-10 Class-G	THOC6
TOPORS.7	5.05E-14	-0.15781	0.276	0.163	7.55E-10 Class-G	TOPORS
C19orf38.	5.08E-14	-0.24019	0.012	0.054	7.59E-10 Class-G	C19orf38
MAF.10	5.10E-14	-0.42468	0.084	0.143	7.62E-10 Class-G	MAF
PPP1R15B.	5.78E-14	-0.14824	0.187	0.106	8.64E-10 Class-G	PPP1R15B
SNAI1.9	5.79E-14	-0.21707	0.01	0.051	8.66E-10 Class-G	SNAI1
CTSL.11	6.05E-14	-0.66979	0.678	0.498	9.03E-10 Class-G	CTSL
SPOCK3.8	6.12E-14	-0.25881	0.002	0.038	9.15E-10 Class-G	SPOCK3
SLC7A8.6	6.16E-14	-0.20221	0.009	0.05	9.21E-10 Class-G	SLC7A8
PDGFB.8	6.35E-14	-0.23715	0.01	0.051	9.49E-10 Class-G	PDGFB
BTG2.7	7.10E-14	-0.58766	0.55	0.454	1.06E-09 Class-G	BTG2
CNPY3.11	7.19E-14	-0.6846	0.468	0.403	1.07E-09 Class-G	CNPY3
ITPRIP.1C	7.67E-14	-0.10248	0.126	0.067	1.15E-09 Class-G	ITPRIP
GDAP1.10	7.70E-14	-0.15316	0.236	0.138	1.15E-09 Class-G	GDAP1
TSHZ2.9	8.05E-14	-0.19698	0.013	0.055	1.20E-09 Class-G	TSHZ2
PIP4K2A.7	8.74E-14	-0.20791	0.215	0.124	1.31E-09 Class-G	PIP4K2A
KLF7.8	8.83E-14	-0.1937	0.317	0.188	1.32E-09 Class-G	KLF7
TP53.4	8.96E-14	-0.11379	0.18	0.103	1.34E-09 Class-G	TP53
DDX39A.6	1.01E-13	-0.26851	0.635	0.353	1.50E-09 Class-G	DDX39A
CCL5.6	1.08E-13	-0.39797	0.018	0.062	1.61E-09 Class-G	CCL5
SNAP25.1C	1.36E-13	-0.43074	0.093	0.151	2.03E-09 Class-G	SNAP25
CLGN.4	1.57E-13	-0.12132	0.005	0.042	2.35E-09 Class-G	CLGN
TNFSF10.8	1.62E-13	-0.35804	0.032	0.081	2.43E-09 Class-G	TNFSF10
OSTF1.10	1.65E-13	-0.70784	0.278	0.293	2.46E-09 Class-G	OSTF1
SSR2.5	1.75E-13	-0.21193	0.967	0.672	2.61E-09 Class-G	SSR2
SP140.10	1.81E-13	-0.16073	0.002	0.036	2.71E-09 Class-G	SP140
ANGPTL4.7	1.85E-13	-0.45983	0.055	0.109	2.76E-09 Class-G	ANGPTL4

EDIL3.7	1.94E-13	-0.23651	0.002	0.037	2.90E-09 Class-G	EDIL3
CD163L1.3	1.99E-13	-0.14023	0.007	0.046	2.97E-09 Class-G	CD163L1
FFAR4.6	2.37E-13	-0.15587	0.001	0.034	3.54E-09 Class-G	FFAR4
RICTOR.7	2.44E-13	-0.21657	0.286	0.17	3.64E-09 Class-G	RICTOR
FAM198B.8	2.49E-13	-0.24628	0.022	0.067	3.71E-09 Class-G	FAM198B
GALNT13.7	2.53E-13	-0.15627	0.01	0.049	3.79E-09 Class-G	GALNT13
TLE3.8	2.58E-13	-0.34513	0.088	0.145	3.85E-09 Class-G	TLE3
SLC25A5.6	2.63E-13	-0.27825	0.947	0.684	3.93E-09 Class-G	SLC25A5
SRRM1.5	2.64E-13	-0.12912	0.85	0.463	3.94E-09 Class-G	SRRM1
CD72.8	2.70E-13	-0.21377	0.015	0.056	4.03E-09 Class-G	CD72
ABHD17B.1	2.85E-13	-0.12093	0.195	0.113	4.26E-09 Class-G	ABHD17B
KCNQ3.5	2.95E-13	-0.18532	0.008	0.047	4.41E-09 Class-G	KCNQ3
PPP1R18.1	3.00E-13	-0.3077	0.459	0.266	4.48E-09 Class-G	PPP1R18
C14orf132	3.02E-13	-0.25791	0.045	0.099	4.51E-09 Class-G	C14orf132
RP3-47704	3.07E-13	-0.16306	0.001	0.033	4.58E-09 Class-G	RP3-47704.14
RP11-489C	3.07E-13	-0.17243	0.001	0.033	4.59E-09 Class-G	RP11-489018.1
PLBD1.11	3.15E-13	-0.33843	0.05	0.102	4.70E-09 Class-G	PLBD1
CCNB1.9	3.18E-13	-0.18386	0.147	0.081	4.75E-09 Class-G	CCNB1
IFIT1.7	3.19E-13	-0.10195	0.121	0.065	4.77E-09 Class-G	IFIT1
LMBR1L.9	3.32E-13	-0.1933	0.283	0.168	4.96E-09 Class-G	LMBR1L
EZH2.10	3.47E-13	-0.12744	0.237	0.14	5.19E-09 Class-G	EZH2
SHD.10	3.51E-13	-0.36234	0.078	0.134	5.24E-09 Class-G	SHD
ACTR2.11	3.75E-13	-0.17083	0.754	0.41	5.60E-09 Class-G	ACTR2
ZFP36L2.1	3.81E-13	-0.12596	0.811	0.467	5.70E-09 Class-G	ZFP36L2
AP000439.	3.88E-13	-0.17632	0	0.031	5.79E-09 Class-G	AP000439.1
S100A1.4	4.23E-13	-0.32128	0.007	0.043	6.32E-09 Class-G	S100A1
CST7.7	4.30E-13	-0.22445	0.005	0.04	6.42E-09 Class-G	CST7
AC109826.	4.45E-13	-0.19407	0.006	0.042	6.66E-09 Class-G	AC109826.1
IL1R2.7	4.51E-13	-0.19246	0.001	0.033	6.74E-09 Class-G	IL1R2
SRRM4.7	4.58E-13	-0.12868	0.002	0.036	6.85E-09 Class-G	SRRM4
RFC2.5	4.76E-13	-0.25104	0.369	0.221	7.12E-09 Class-G	RFC2
RNASE4.5	4.79E-13	-0.24127	0.005	0.04	7.17E-09 Class-G	RNASE4
SLC7A5.1C	4.82E-13	-0.42588	0.091	0.146	7.20E-09 Class-G	SLC7A5
GRASP.9	4.90E-13	-0.25375	0.016	0.057	7.32E-09 Class-G	GRASP
KLK6.9	4.99E-13	-0.29219	0.002	0.036	7.45E-09 Class-G	KLK6
MKNK1.10	4.99E-13	-0.5193	0.125	0.178	7.46E-09 Class-G	MKNK1
PTPN22.7	5.05E-13	-0.13334	0	0.031	7.54E-09 Class-G	PTPN22
IL2RA.9	5.56E-13	-0.25944	0.003	0.037	8.31E-09 Class-G	IL2RA
AQP9.6	5.80E-13	-0.13878	0.001	0.033	8.67E-09 Class-G	AQP9
WDR91.5	6.30E-13	-0.11329	0.139	0.077	9.41E-09 Class-G	WDR91
HOXB7.4	6.34E-13	-0.2231	0.022	0.067	9.47E-09 Class-G	HOXB7
DNAJB1.6	6.46E-13	-0.55	0.822	0.575	9.65E-09 Class-G	DNAJB1
PCP4.8	6.95E-13	-0.21254	0.007	0.044	1.04E-08 Class-G	PCP4
WDFY4.9	7.17E-13	-0.13709	0	0.03	1.07E-08 Class-G	WDFY4
SLC03A1.4	7.19E-13	-0.15042	0.003	0.036	1.07E-08 Class-G	SLC03A1
ASNS.11	7.99E-13	-0.13741	0.267	0.162	1.19E-08 Class-G	ASNS
OTOA.8	8.04E-13	-0.14959	0.003	0.036	1.20E-08 Class-G	OTOA
CDCP1.8	8.27E-13	-0.15631	0.004	0.038	1.24E-08 Class-G	CDCP1
LAMTOR2.9	8.27E-13	-0.10818	0.928	0.531	1.24E-08 Class-G	LAMTOR2
RNU12.6	8.65E-13	-0.22743	0.007	0.043	1.29E-08 Class-G	RNU12
MMD.8	9.17E-13	-0.22608	0.375	0.223	1.37E-08 Class-G	MMD

ANAPC13. 8	1. 06E-12	-0. 26376	0. 554	0. 321	1. 58E-08 Class-G	ANAPC13
FMN1. 10	1. 09E-12	-0. 14442	0. 004	0. 037	1. 62E-08 Class-G	FMN1
TMEM14B. 3	1. 10E-12	-0. 12455	0. 837	0. 475	1. 65E-08 Class-G	TMEM14B
ZFAND5. 1C	1. 14E-12	-0. 13963	0. 753	0. 415	1. 71E-08 Class-G	ZFAND5
CIB1. 10	1. 27E-12	-0. 26439	0. 818	0. 439	1. 89E-08 Class-G	CIB1
CCR5. 7	1. 32E-12	-0. 12382	0	0. 03	1. 98E-08 Class-G	CCR5
PLL. 10	1. 34E-12	-0. 1463	0. 113	0. 061	2. 00E-08 Class-G	PLL
BZW2. 7	1. 41E-12	-0. 23017	0. 413	0. 247	2. 10E-08 Class-G	BZW2
CCDC126. 7	1. 41E-12	-0. 12963	0. 181	0. 105	2. 11E-08 Class-G	CCDC126
PSENE. 7	1. 50E-12	-0. 30187	0. 804	0. 441	2. 25E-08 Class-G	PSENE
CNDP1. 9	1. 58E-12	-0. 29368	0. 005	0. 039	2. 36E-08 Class-G	CNDP1
SERINC1. 3	1. 63E-12	-0. 2254	0. 667	0. 377	2. 43E-08 Class-G	SERINC1
HOXA7. 9	1. 64E-12	-0. 26713	0. 056	0. 109	2. 45E-08 Class-G	HOXA7
DAPP1. 10	1. 67E-12	-0. 14693	0. 001	0. 032	2. 50E-08 Class-G	DAPP1
ARRB1. 8	1. 85E-12	-0. 19551	0. 01	0. 047	2. 76E-08 Class-G	ARRB1
LINC00599	1. 87E-12	-0. 1362	0. 005	0. 04	2. 80E-08 Class-G	LINC00599
BCAS1. 6	1. 88E-12	-0. 22693	0. 01	0. 048	2. 82E-08 Class-G	BCAS1
CAMK1D. 8	1. 89E-12	-0. 13685	0. 175	0. 101	2. 82E-08 Class-G	CAMK1D
SLC17A9. 1	2. 02E-12	-0. 13966	0. 002	0. 034	3. 01E-08 Class-G	SLC17A9
PTGDS. 8	2. 05E-12	-0. 84914	0. 123	0. 177	3. 06E-08 Class-G	PTGDS
PLTP. 9	2. 15E-12	-0. 45505	0. 782	0. 419	3. 21E-08 Class-G	PLTP
DLL3. 10	2. 23E-12	-0. 46609	0. 098	0. 151	3. 34E-08 Class-G	DLL3
HK3. 7	2. 44E-12	-0. 11164	0	0. 029	3. 65E-08 Class-G	HK3
C1RL. 4	2. 45E-12	-0. 12763	0. 097	0. 05	3. 67E-08 Class-G	C1RL
ITGB2-AS1	2. 75E-12	-0. 17435	0. 002	0. 033	4. 11E-08 Class-G	ITGB2-AS1
NDUFS2. 4	2. 89E-12	-0. 12227	0. 886	0. 496	4. 32E-08 Class-G	NDUFS2
ZNF330. 5	2. 90E-12	-0. 2937	0. 328	0. 197	4. 33E-08 Class-G	ZNF330
HOXA5. 7	2. 90E-12	-0. 17998	0. 023	0. 066	4. 34E-08 Class-G	HOXA5
GPR85. 1	3. 02E-12	-0. 11867	0. 002	0. 034	4. 51E-08 Class-G	GPR85
RNF175. 1	3. 03E-12	-0. 11872	0. 005	0. 038	4. 53E-08 Class-G	RNF175
SLC8B1. 11	3. 08E-12	-0. 12014	0. 155	0. 088	4. 61E-08 Class-G	SLC8B1
ARID3A. 4	3. 19E-12	-0. 16599	0. 179	0. 104	4. 76E-08 Class-G	ARID3A
MYO7A. 9	3. 23E-12	-0. 17775	0. 005	0. 038	4. 82E-08 Class-G	MYO7A
ARPC1B. 11	3. 30E-12	-0. 59962	0. 701	0. 503	4. 93E-08 Class-G	ARPC1B
AC147651. 3	3. 55E-12	-0. 16742	0. 007	0. 041	5. 30E-08 Class-G	AC147651. 4
RP11-557H	3. 65E-12	-0. 1595	0. 001	0. 031	5. 46E-08 Class-G	RP11-557H15. 4
SLC16A3. 1	3. 87E-12	-0. 59003	0. 32	0. 32	5. 79E-08 Class-G	SLC16A3
TALDO1. 9	3. 89E-12	-0. 41644	0. 83	0. 559	5. 81E-08 Class-G	TALDO1
LACC1. 7	4. 07E-12	-0. 14564	0. 005	0. 039	6. 08E-08 Class-G	LACC1
SCAMP2. 11	4. 10E-12	-0. 37758	0. 599	0. 338	6. 13E-08 Class-G	SCAMP2
MAN1A1. 1C	4. 16E-12	-0. 19206	0. 015	0. 053	6. 21E-08 Class-G	MAN1A1
DCK. 8	4. 17E-12	-0. 26001	0. 408	0. 243	6. 23E-08 Class-G	DCK
ACP5. 9	4. 17E-12	-0. 22613	0. 015	0. 053	6. 24E-08 Class-G	ACP5
YWHAH. 10	4. 45E-12	-0. 38916	0. 785	0. 529	6. 65E-08 Class-G	YWHAH
RBAK-RBAK	4. 83E-12	-0. 10678	0. 158	0. 092	7. 21E-08 Class-G	RBAK-RBAKDN
PDLIM3. 9	4. 83E-12	-0. 14563	0. 176	0. 104	7. 22E-08 Class-G	PDLIM3
RND3. 10	5. 03E-12	-0. 26957	0. 367	0. 222	7. 51E-08 Class-G	RND3
ANKS1B. 1C	5. 38E-12	-0. 34969	0. 064	0. 115	8. 04E-08 Class-G	ANKS1B
GAPDH. 8	5. 47E-12	-0. 30269	1	0. 982	8. 17E-08 Class-G	GAPDH
KCNE3. 10	5. 62E-12	-0. 1261	0. 001	0. 031	8. 40E-08 Class-G	KCNE3
PRKCB. 10	6. 15E-12	-0. 1679	0. 011	0. 047	9. 19E-08 Class-G	PRKCB

PSTPIP1.9	6.56E-12	-0.18782	0.01	0.046	9.81E-08	Class-G	PSTPIP1
COLEC12.3	6.56E-12	-0.15478	0.005	0.038	9.81E-08	Class-G	COLEC12
FHIT.6	6.64E-12	-0.40066	0.072	0.124	9.93E-08	Class-G	FHIT
ATP5EP2.8	6.69E-12	-0.42533	0.731	0.4	1.00E-07	Class-G	ATP5EP2
SYTL2.8	7.13E-12	-0.125	0.123	0.068	1.07E-07	Class-G	SYTL2
ALOX15B.9	7.30E-12	-0.1552	0.001	0.03	1.09E-07	Class-G	ALOX15B
CD164.10	7.31E-12	-0.19779	0.806	0.439	1.09E-07	Class-G	CD164
HSPA2.8	7.57E-12	-0.49004	0.079	0.132	1.13E-07	Class-G	HSPA2
PRDM8.6	7.57E-12	-0.11371	0.003	0.034	1.13E-07	Class-G	PRDM8
CEACAM4.9	7.62E-12	-0.11933	0	0.028	1.14E-07	Class-G	CEACAM4
SPINT1.10	7.72E-12	-0.13897	0.005	0.038	1.15E-07	Class-G	SPINT1
TMC01.5	7.73E-12	-0.15493	0.916	0.519	1.16E-07	Class-G	TMC01
FAM64A.11	7.75E-12	-0.11292	0.114	0.062	1.16E-07	Class-G	FAM64A
CTSW.6	7.78E-12	-0.22247	0.003	0.034	1.16E-07	Class-G	CTSW
RTN3.9	8.07E-12	-0.2689	0.931	0.609	1.21E-07	Class-G	RTN3
SRRM3.10	8.25E-12	-0.22503	0.033	0.078	1.23E-07	Class-G	SRRM3
KIAA1551.8	8.27E-12	-0.11504	0.139	0.079	1.24E-07	Class-G	KIAA1551
DNAJB9.7	8.43E-12	-0.59721	0.414	0.38	1.26E-07	Class-G	DNAJB9
CREBL2.9	8.53E-12	-0.27577	0.287	0.173	1.28E-07	Class-G	CREBL2
ACSL5.10	8.72E-12	-0.15353	0.006	0.039	1.30E-07	Class-G	ACSL5
FA2H.7	8.90E-12	-0.15918	0.002	0.031	1.33E-07	Class-G	FA2H
ADAMDEC1.8	9.66E-12	-0.19417	0.008	0.042	1.34E-07	Class-G	ADAMDEC1
ZFR2.6	9.11E-12	-0.12539	0.008	0.043	1.36E-07	Class-G	ZFR2
AMD1.5	9.29E-12	-0.2825	0.599	0.348	1.39E-07	Class-G	AMD1
RAB3C.7	9.62E-12	-0.12859	0.008	0.043	1.44E-07	Class-G	RAB3C
RIPK2.9	9.72E-12	-0.24025	0.255	0.154	1.45E-07	Class-G	RIPK2
EPS8.4	9.82E-12	-0.30572	0.081	0.134	1.47E-07	Class-G	EPS8
SHMT1.7	9.92E-12	-0.18295	0.182	0.108	1.48E-07	Class-G	SHMT1
CCT2.6	9.98E-12	-0.17402	0.876	0.491	1.49E-07	Class-G	CCT2
CNTRL.7	1.03E-11	-0.11771	0.181	0.108	1.54E-07	Class-G	CNTRL
PLCL1.3	1.15E-11	-0.13936	0.005	0.036	1.72E-07	Class-G	PLCL1
TNFRSF11A.1	1.23E-11	-0.11463	0.001	0.028	1.83E-07	Class-G	TNFRSF11A
IGFBP6.8	1.29E-11	-0.13146	0.109	0.059	1.92E-07	Class-G	IGFBP6
CCDC28A.1	1.55E-11	-0.23519	0.24	0.145	2.32E-07	Class-G	CCDC28A
HOXA9.7	1.58E-11	-0.11997	0.007	0.039	2.37E-07	Class-G	HOXA9
NKX6-2.9	1.59E-11	-0.19566	0.001	0.028	2.38E-07	Class-G	NKX6-2
ASRGL1.9	1.65E-11	-0.15867	0.301	0.184	2.47E-07	Class-G	ASRGL1
BGN.9	1.84E-11	-0.30126	0.028	0.071	2.75E-07	Class-G	BGN
APOBEC3C.1	1.95E-11	-0.22213	0.196	0.117	2.92E-07	Class-G	APOBEC3C
CDKN2AIP.1	1.98E-11	-0.16321	0.223	0.135	2.95E-07	Class-G	CDKN2AIP
PRSS23.9	1.99E-11	-0.14616	0.125	0.07	2.97E-07	Class-G	PRSS23
CATSPER1.2	2.05E-11	-0.15516	0.002	0.03	3.06E-07	Class-G	CATSPER1
CACNA2D1.2	2.07E-11	-0.1074	0.004	0.035	3.09E-07	Class-G	CACNA2D1
LXN.7	2.08E-11	-0.13261	0.001	0.029	3.11E-07	Class-G	LXN
CPED1.8	2.17E-11	-0.1514	0.005	0.037	3.25E-07	Class-G	CPED1
HP.6	2.50E-11	-0.33986	0.001	0.028	3.74E-07	Class-G	HP
STC1.2	2.54E-11	-0.11802	0.001	0.029	3.80E-07	Class-G	STC1
PLEK2.8	2.70E-11	-0.11413	0.001	0.028	4.03E-07	Class-G	PLEK2
IBSP.8	2.70E-11	-0.20001	0.001	0.028	4.04E-07	Class-G	IBSP
IGLON5.7	2.77E-11	-0.15928	0.016	0.053	4.14E-07	Class-G	IGLON5
MT2A.10	3.00E-11	-0.24428	0.996	0.749	4.48E-07	Class-G	MT2A

P2RY6.10	3.03E-11	-0.14375	0.006	0.037	4.53E-07 Class-G	P2RY6
SERPINF2.	3.17E-11	-0.13657	0.002	0.03	4.74E-07 Class-G	SERPINF2
RASSF4.11	3.32E-11	-0.33791	0.506	0.3	4.97E-07 Class-G	RASSF4
PPM1M.11	3.33E-11	-0.10409	0.121	0.067	4.98E-07 Class-G	PPM1M
SOX10.7	3.41E-11	-0.17322	0.004	0.033	5.09E-07 Class-G	SOX10
IL10RB-AS	3.45E-11	-0.22404	0.014	0.05	5.16E-07 Class-G	IL10RB-AS1
MLXIPL.7	3.49E-11	-0.20425	0.01	0.044	5.22E-07 Class-G	MLXIPL
CARD11.9	3.51E-11	-0.12402	0.003	0.032	5.24E-07 Class-G	CARD11
MEF2C.11	3.57E-11	-0.58509	0.271	0.285	5.33E-07 Class-G	MEF2C
FCHSD2.3	3.59E-11	-0.1025	0.129	0.073	5.37E-07 Class-G	FCHSD2
AIM1.7	3.71E-11	-0.17372	0.007	0.039	5.55E-07 Class-G	AIM1
SH3BP1.11	3.78E-11	-0.16613	0.173	0.102	5.65E-07 Class-G	SH3BP1
RSL1D1.4	4.08E-11	-0.18151	0.811	0.445	6.10E-07 Class-G	RSL1D1
MFSD7.9	4.31E-11	-0.12678	0.005	0.036	6.44E-07 Class-G	MFSD7
SEMA4D.1C	4.39E-11	-0.32551	0.042	0.087	6.57E-07 Class-G	SEMA4D
SLC6A6.4	4.46E-11	-0.24267	0.028	0.069	6.67E-07 Class-G	SLC6A6
DBF4.8	4.61E-11	-0.13564	0.184	0.111	6.88E-07 Class-G	DBF4
PLVAP.7	4.66E-11	-0.15901	0.004	0.034	6.97E-07 Class-G	PLVAP
TMEM125.7	4.77E-11	-0.16354	0	0.026	7.13E-07 Class-G	TMEM125
MAPK13.7	4.86E-11	-0.13203	0.005	0.035	7.27E-07 Class-G	MAPK13
MSRA.9	4.88E-11	-0.22391	0.385	0.235	7.29E-07 Class-G	MSRA
RP11-597C	4.96E-11	-0.15153	0.001	0.027	7.41E-07 Class-G	RP11-597D13.8
SPNS3.8	4.96E-11	-0.13355	0.001	0.027	7.42E-07 Class-G	SPNS3
FAM49B.1C	5.17E-11	-0.51099	0.658	0.481	7.73E-07 Class-G	FAM49B
GRM3.6	5.21E-11	-0.13775	0	0.026	7.78E-07 Class-G	GRM3
TPSAB1.6	5.21E-11	-0.17084	0	0.026	7.78E-07 Class-G	TPSAB1
GSTK1.9	5.26E-11	-0.24389	0.866	0.475	7.87E-07 Class-G	GSTK1
FRMD4B.11	5.26E-11	-0.4815	0.118	0.166	7.87E-07 Class-G	FRMD4B
ITGB7.8	5.36E-11	-0.1199	0.002	0.029	8.01E-07 Class-G	ITGB7
NME6.3	5.55E-11	-0.16055	0.166	0.099	8.29E-07 Class-G	NME6
DNAJB4.3	6.01E-11	-0.17758	0.19	0.115	8.98E-07 Class-G	DNAJB4
GALNT6.7	6.02E-11	-0.13833	0.004	0.033	8.99E-07 Class-G	GALNT6
IVNS1ABP.	6.03E-11	-0.24621	0.355	0.218	9.00E-07 Class-G	IVNS1ABP
SEC62.5	6.07E-11	-0.23848	0.959	0.647	9.07E-07 Class-G	SEC62
ZFPM2.5	6.40E-11	-0.12151	0.004	0.032	9.56E-07 Class-G	ZFPM2
SLC2A9.8	6.43E-11	-0.13307	0.002	0.029	9.61E-07 Class-G	SLC2A9
FCER1A.5	6.59E-11	-0.14679	0.001	0.028	9.84E-07 Class-G	FCER1A
ATP6AP2.6	6.78E-11	-0.28794	0.905	0.616	1.01E-06 Class-G	ATP6AP2
ING3.6	7.13E-11	-0.19994	0.273	0.17	1.06E-06 Class-G	ING3
IFNLR1.6	7.79E-11	-0.13579	0.001	0.028	1.16E-06 Class-G	IFNLR1
AK5.5	7.83E-11	-0.13985	0.002	0.029	1.17E-06 Class-G	AK5
CELF2.11	8.05E-11	-0.28733	0.599	0.348	1.20E-06 Class-G	CELF2
RP11-353N	8.06E-11	-0.12103	0	0.025	1.20E-06 Class-G	RP11-353N4.5
PSMC2.6	8.12E-11	-0.22123	0.73	0.414	1.21E-06 Class-G	PSMC2
RP11-403I	8.18E-11	-0.22021	0.007	0.038	1.22E-06 Class-G	RP11-403I13.5
CHGA.4	8.39E-11	-0.11015	0.003	0.031	1.25E-06 Class-G	CHGA
STAC3.11	8.90E-11	-0.29041	0.042	0.085	1.33E-06 Class-G	STAC3
USP15.6	9.06E-11	-0.26955	0.364	0.223	1.35E-06 Class-G	USP15
GPR160.4	9.06E-11	-0.10227	0.002	0.029	1.35E-06 Class-G	GPR160
CEBPD.8	9.50E-11	-0.15595	0.704	0.419	1.42E-06 Class-G	CEBPD
CENPF.10	9.67E-11	-0.17893	0.156	0.092	1.45E-06 Class-G	CENPF

CARD9.11	9.87E-11	-0.25576	0.033	0.075	1.47E-06	Class-G	CARD9
PPARG.8	1.02E-10	-0.12015	0.002	0.028	1.53E-06	Class-G	PPARG
AGAP2-AS1	1.06E-10	-0.1475	0.147	0.087	1.59E-06	Class-G	AGAP2-AS1
LILRB3.8	1.06E-10	-0.18093	0.012	0.045	1.59E-06	Class-G	LILRB3
L1CAM.7	1.07E-10	-0.13591	0.008	0.039	1.60E-06	Class-G	L1CAM
KLHL24.6	1.08E-10	-0.19009	0.265	0.165	1.62E-06	Class-G	KLHL24
DBI.10	1.13E-10	-0.13863	0.998	0.818	1.68E-06	Class-G	DBI
PPIG.3	1.16E-10	-0.13678	0.853	0.476	1.74E-06	Class-G	PPIG
MTHFD2.9	1.22E-10	-0.55389	0.277	0.29	1.82E-06	Class-G	MTHFD2
KCNK13.5	1.32E-10	-0.10334	0.001	0.027	1.98E-06	Class-G	KCNK13
PCL0.3	1.33E-10	-0.10926	0.007	0.038	1.99E-06	Class-G	PCL0
RASSF1.5	1.35E-10	-0.18408	0.236	0.146	2.01E-06	Class-G	RASSF1
GNLY.5	1.39E-10	-0.22543	0.005	0.034	2.08E-06	Class-G	GNLY
ZNF804A.4	1.48E-10	-0.12703	0.01	0.043	2.21E-06	Class-G	ZNF804A
CCDC170.5	1.53E-10	-0.13924	0.015	0.05	2.28E-06	Class-G	CCDC170
JAKMIP1.4	1.54E-10	-0.11156	0.006	0.036	2.30E-06	Class-G	JAKMIP1
LILRA4.5	1.56E-10	-0.1429	0.001	0.027	2.33E-06	Class-G	LILRA4
HGF.5	1.57E-10	-0.13938	0.004	0.032	2.34E-06	Class-G	HGF
PTCRA.7	1.57E-10	-0.12539	0.001	0.027	2.35E-06	Class-G	PTCRA
SMPD3.1	1.63E-10	-0.10085	0.004	0.031	2.43E-06	Class-G	SMPD3
MGST2.11	1.66E-10	-0.66821	0.237	0.256	2.49E-06	Class-G	MGST2
ITGAL.5	1.69E-10	-0.13343	0.002	0.028	2.52E-06	Class-G	ITGAL
DUSP22.10	1.84E-10	-0.19071	0.17	0.102	2.74E-06	Class-G	DUSP22
PEBP1.10	1.85E-10	-0.18731	0.999	0.772	2.76E-06	Class-G	PEBP1
PTER.4	1.93E-10	-0.10251	0	0.024	2.88E-06	Class-G	PTER
HOXA-AS2.2	2.03E-10	-0.12761	0.01	0.042	3.03E-06	Class-G	HOXA-AS2
SYP.10	2.05E-10	-0.15178	0.2	0.123	3.06E-06	Class-G	SYP
RNF125.5	2.18E-10	-0.13097	0.002	0.028	3.25E-06	Class-G	RNF125
PRKAG2.7	2.19E-10	-0.41468	0.098	0.144	3.27E-06	Class-G	PRKAG2
MERTK.10	2.38E-10	-0.41621	0.085	0.131	3.55E-06	Class-G	MERTK
GOT1.3	2.46E-10	-0.19558	0.196	0.121	3.67E-06	Class-G	GOT1
CYSLTR1.8	2.56E-10	-0.12443	0.002	0.029	3.83E-06	Class-G	CYSLTR1
IGFLR1.8	2.57E-10	-0.28013	0.023	0.06	3.84E-06	Class-G	IGFLR1
BASP1.10	2.60E-10	-0.25015	0.588	0.337	3.88E-06	Class-G	BASP1
RAB1A.5	2.60E-10	-0.31668	0.878	0.578	3.89E-06	Class-G	RAB1A
RAB33A.9	2.94E-10	-0.34551	0.067	0.112	4.39E-06	Class-G	RAB33A
ADAP1.5	3.01E-10	-0.17135	0.013	0.045	4.50E-06	Class-G	ADAP1
CCER2.10	3.06E-10	-0.18459	0.023	0.06	4.57E-06	Class-G	CCER2
TRMT112.6	3.13E-10	-0.2682	0.961	0.665	4.68E-06	Class-G	TRMT112
DHRS9.6	3.15E-10	-0.18231	0.001	0.026	4.71E-06	Class-G	DHRS9
ADAMTS4.6	3.25E-10	-0.17363	0.007	0.036	4.85E-06	Class-G	ADAMTS4
BUB3.4	3.50E-10	-0.30268	0.468	0.281	5.22E-06	Class-G	BUB3
SKIL.9	3.75E-10	-0.2868	0.432	0.262	5.60E-06	Class-G	SKIL
RUNX2.7	3.82E-10	-0.13982	0.005	0.032	5.71E-06	Class-G	RUNX2
ANKMY2.6	3.89E-10	-0.10853	0.176	0.108	5.81E-06	Class-G	ANKMY2
ANLN.10	4.11E-10	-0.26224	0.029	0.068	6.14E-06	Class-G	ANLN
PLA2G4A.6	4.16E-10	-0.1335	0.007	0.037	6.22E-06	Class-G	PLA2G4A
ELL.7	4.17E-10	-0.12045	0.152	0.091	6.24E-06	Class-G	ELL
ANKRD37.6	4.37E-10	-0.23833	0.212	0.13	6.52E-06	Class-G	ANKRD37
MS4A14.8	4.44E-10	-0.12276	0.001	0.026	6.64E-06	Class-G	MS4A14
SIDT1.6	4.82E-10	-0.14838	0.002	0.027	7.20E-06	Class-G	SIDT1

CARNS1.9	4.85E-10	-0.2391	0.005	0.032	7.24E-06 Class-G	CARNS1
SOD1.6	4.93E-10	-0.24397	0.981	0.72	7.37E-06 Class-G	SOD1
LY96.11	5.00E-10	-0.28819	0.335	0.204	7.47E-06 Class-G	LY96
SMOC1.6	5.00E-10	-0.14084	0.008	0.038	7.47E-06 Class-G	SMOC1
VNN2.8	5.09E-10	-0.11676	0.003	0.029	7.60E-06 Class-G	VNN2
FAM221A.1	5.35E-10	-0.20999	0.259	0.164	8.00E-06 Class-G	FAM221A
FAM57B.1C	5.52E-10	-0.10568	0.142	0.084	8.25E-06 Class-G	FAM57B
SCN2A.5	5.80E-10	-0.10744	0.005	0.033	8.67E-06 Class-G	SCN2A
RP11-1143	6.02E-10	-0.26955	0.021	0.057	8.99E-06 Class-G	RP11-1143G9.4
ZCCHC12.3	6.14E-10	-0.1093	0.005	0.033	9.17E-06 Class-G	ZCCHC12
CA8.10	6.16E-10	-0.20273	0.024	0.06	9.21E-06 Class-G	CA8
LGI3.6	6.25E-10	-0.14222	0.001	0.024	9.33E-06 Class-G	LGI3
MAPRE2.5	6.37E-10	-0.23572	0.275	0.172	9.52E-06 Class-G	MAPRE2
TCEAL6.7	6.61E-10	-0.14884	0.01	0.04	9.87E-06 Class-G	TCEAL6
SLC17A5.7	6.94E-10	-0.14797	0.16	0.097	1.04E-05 Class-G	SLC17A5
RBFOX3.1	7.13E-10	-0.1617	0.002	0.027	1.06E-05 Class-G	RBFOX3
MAFF.8	7.31E-10	-0.42229	0.136	0.177	1.09E-05 Class-G	MAFF
EPHB6.3	7.34E-10	-0.15967	0.015	0.048	1.10E-05 Class-G	EPHB6
TFAP2A.8	7.41E-10	-0.1168	0.01	0.041	1.11E-05 Class-G	TFAP2A
HAAO.10	7.68E-10	-0.1365	0.002	0.026	1.15E-05 Class-G	HAAO
TFAP2B.7	7.68E-10	-0.10466	0.005	0.033	1.15E-05 Class-G	TFAP2B
TVP23A.2	7.85E-10	-0.14722	0.009	0.039	1.17E-05 Class-G	TVP23A
LINC0032C	8.10E-10	-0.18119	0.002	0.026	1.21E-05 Class-G	LINC00320
AFMID.5	8.27E-10	-0.18736	0.159	0.097	1.24E-05 Class-G	AFMID
CTA-384D8	8.38E-10	-0.11595	0.002	0.027	1.25E-05 Class-G	CTA-384D8.34
FLNC.2	8.77E-10	-0.10345	0.004	0.029	1.31E-05 Class-G	FLNC
KIAA0930.	8.87E-10	-0.23902	0.216	0.133	1.33E-05 Class-G	KIAA0930
SP9.9	9.13E-10	-0.15066	0.013	0.045	1.36E-05 Class-G	SP9
SLAMF9.7	9.24E-10	-0.13379	0	0.022	1.38E-05 Class-G	SLAMF9
IL15.9	9.73E-10	-0.16099	0.011	0.041	1.45E-05 Class-G	IL15
CASP10.6	1.03E-09	-0.13596	0.004	0.029	1.54E-05 Class-G	CASP10
B3GALT4.7	1.07E-09	-0.15307	0.015	0.047	1.60E-05 Class-G	B3GALT4
CEACAM21.	1.18E-09	-0.11155	0.001	0.023	1.76E-05 Class-G	CEACAM21
MAN2B1.7	1.21E-09	-0.10879	0.107	0.061	1.81E-05 Class-G	MAN2B1
SYNDIG1.8	1.21E-09	-0.15049	0.137	0.081	1.81E-05 Class-G	SYNDIG1
TLR10.9	1.25E-09	-0.1221	0.003	0.028	1.87E-05 Class-G	TLR10
RASGRP4.3	1.27E-09	-0.10015	0.001	0.023	1.89E-05 Class-G	RASGRP4
NUDT14.11	1.28E-09	-0.26353	0.284	0.177	1.91E-05 Class-G	NUDT14
CES4A.3	1.41E-09	-0.13072	0.001	0.023	2.11E-05 Class-G	CES4A
FPR2.8	1.43E-09	-0.11073	0	0.022	2.13E-05 Class-G	FPR2
RP11-156K	1.43E-09	-0.11125	0	0.022	2.13E-05 Class-G	RP11-156K13.3
LGMN.10	1.50E-09	-0.39262	0.54	0.32	2.25E-05 Class-G	LGMN
PIK3CG.6	1.64E-09	-0.10403	0.002	0.025	2.46E-05 Class-G	PIK3CG
BEX1.10	1.74E-09	-0.28262	0.528	0.322	2.60E-05 Class-G	BEX1
CLEC12A.6	1.78E-09	-0.10611	0.001	0.023	2.65E-05 Class-G	CLEC12A
ASGR1.8	1.80E-09	-0.10583	0.114	0.066	2.70E-05 Class-G	ASGR1
RP11-84C1	1.85E-09	-0.12311	0	0.022	2.77E-05 Class-G	RP11-84C10.2
UQCRC2.4	1.89E-09	-0.18644	0.822	0.462	2.82E-05 Class-G	UQCRC2
AURKB.10	1.91E-09	-0.1855	0.02	0.053	2.85E-05 Class-G	AURKB
PIP5K1B.2	1.94E-09	-0.10813	0.004	0.028	2.91E-05 Class-G	PIP5K1B
SGOL2.9	1.95E-09	-0.12425	0.137	0.082	2.92E-05 Class-G	SGOL2



UBE2B. 3	1. 99E-09	-0. 18438	0. 784	0. 437	2. 98E-05	Class-G	UBE2B
HHIP. 7	2. 08E-09	-0. 15586	0. 004	0. 029	3. 11E-05	Class-G	HHIP
BST2. 10	2. 09E-09	-0. 54388	0. 554	0. 475	3. 13E-05	Class-G	BST2
ATP1B3. 8	2. 10E-09	-0. 39745	0. 735	0. 514	3. 14E-05	Class-G	ATP1B3
NACA2. 4	2. 50E-09	-0. 60696	0. 134	0. 173	3. 73E-05	Class-G	NACA2
PAG1. 5	2. 51E-09	-0. 17939	0. 246	0. 157	3. 75E-05	Class-G	PAG1
SENCR. 5	2. 52E-09	-0. 10586	0. 001	0. 022	3. 77E-05	Class-G	SENCR
CLEC10A. 6	2. 53E-09	-0. 12329	0. 001	0. 022	3. 77E-05	Class-G	CLEC10A
GRB2. 11	2. 53E-09	-0. 13255	0. 77	0. 433	3. 78E-05	Class-G	GRB2
NT5C2. 3	2. 58E-09	-0. 16294	0. 19	0. 119	3. 85E-05	Class-G	NT5C2
HS3ST1. 9	2. 60E-09	-0. 28747	0. 052	0. 094	3. 88E-05	Class-G	HS3ST1
SMDT1. 5	2. 65E-09	-0. 1245	0. 884	0. 506	3. 95E-05	Class-G	SMDT1
GJB1. 8	2. 73E-09	-0. 18817	0. 004	0. 028	4. 08E-05	Class-G	GJB1
TREML1. 8	2. 76E-09	-0. 12089	0. 002	0. 025	4. 13E-05	Class-G	TREML1
EAF2. 11	2. 78E-09	-0. 35476	0. 058	0. 098	4. 15E-05	Class-G	EAF2
SEPP1. 7	2. 79E-09	-0. 79705	0. 337	0. 327	4. 17E-05	Class-G	SEPP1
RAP2B. 10	2. 97E-09	-0. 17597	0. 241	0. 153	4. 44E-05	Class-G	RAP2B
DNAJC8. 3	2. 98E-09	-0. 14708	0. 883	0. 497	4. 46E-05	Class-G	DNAJC8
SCN9A. 7	3. 05E-09	-0. 1275	0. 01	0. 039	4. 56E-05	Class-G	SCN9A
ZNF92. 9	3. 23E-09	-0. 15118	0. 213	0. 135	4. 82E-05	Class-G	ZNF92
SUN2. 6	3. 33E-09	-0. 24581	0. 318	0. 202	4. 98E-05	Class-G	SUN2
CCDC152. 1	3. 36E-09	-0. 14886	0. 101	0. 058	5. 02E-05	Class-G	CCDC152
CSF2RB. 7	3. 42E-09	-0. 10792	0. 004	0. 028	5. 11E-05	Class-G	CSF2RB
PRKCD. 10	3. 42E-09	-0. 27878	0. 047	0. 086	5. 11E-05	Class-G	PRKCD
CSK. 11	3. 48E-09	-0. 21875	0. 217	0. 136	5. 21E-05	Class-G	CSK
TOR4A. 7	3. 63E-09	-0. 10685	0. 004	0. 029	5. 42E-05	Class-G	TOR4A
ST8SIA4. 1	3. 64E-09	-0. 35566	0. 083	0. 125	5. 44E-05	Class-G	ST8SIA4
RP11-676J	3. 75E-09	-0. 10507	0. 008	0. 035	5. 60E-05	Class-G	RP11-676J15. 1
KCNN4. 7	3. 91E-09	-0. 12503	0. 009	0. 037	5. 85E-05	Class-G	KCNN4
LBH. 11	3. 96E-09	-0. 40228	0. 118	0. 159	5. 92E-05	Class-G	LBH
KCTD12. 11	4. 17E-09	-0. 2946	0. 351	0. 217	6. 23E-05	Class-G	KCTD12
WBP1L. 9	4. 24E-09	-0. 17945	0. 163	0. 1	6. 33E-05	Class-G	WBP1L
DAAM2. 6	4. 29E-09	-0. 14458	0. 002	0. 024	6. 41E-05	Class-G	DAAM2
RAPGEF5. 8	4. 34E-09	-0. 21874	0. 016	0. 046	6. 49E-05	Class-G	RAPGEF5
FGF20. 6	4. 43E-09	-0. 12193	0	0. 021	6. 61E-05	Class-G	FGF20
GAS6. 10	4. 48E-09	-0. 4442	0. 177	0. 209	6. 70E-05	Class-G	GAS6
CENPN. 7	4. 73E-09	-0. 10081	0. 132	0. 08	7. 07E-05	Class-G	CENPN
CHD3. 7	4. 74E-09	-0. 13335	0. 171	0. 106	7. 08E-05	Class-G	CHD3
SIGLEC1. 7	4. 86E-09	-0. 14538	0. 007	0. 033	7. 26E-05	Class-G	SIGLEC1
VRK1. 3	5. 11E-09	-0. 12496	0. 151	0. 093	7. 64E-05	Class-G	VRK1
PDE4DIP. 5	5. 32E-09	-0. 19665	0. 375	0. 246	7. 95E-05	Class-G	PDE4DIP
BTF3L4. 4	5. 70E-09	-0. 18641	0. 83	0. 46	8. 51E-05	Class-G	BTF3L4
B4GALT1. 1	5. 83E-09	-0. 4289	0. 086	0. 126	8. 71E-05	Class-G	B4GALT1
RETN. 8	6. 06E-09	-0. 12194	0. 001	0. 023	9. 06E-05	Class-G	RETN
TAPBPL. 7	6. 32E-09	-0. 17903	0. 178	0. 113	9. 44E-05	Class-G	TAPBPL
PIAS1. 5	6. 37E-09	-0. 24575	0. 23	0. 147	9. 53E-05	Class-G	PIAS1
JDP2. 11	6. 40E-09	-0. 28234	0. 039	0. 076	9. 57E-05	Class-G	JDP2
METTL7A. 5	6. 62E-09	-0. 13162	0. 303	0. 207	9. 89E-05	Class-G	METTL7A
KIF21B. 2	6. 67E-09	-0. 10973	0. 006	0. 031	9. 98E-05	Class-G	KIF21B
HIGD2A. 8	7. 67E-09	-0. 1251	0. 941	0. 566	0. 000115	Class-G	HIGD2A
MRO. 7	7. 72E-09	-0. 12405	0. 002	0. 023	0. 000115	Class-G	MRO

FLVCR2.8	8.04E-09	-0.13947	0.011	0.039	0.00012	Class-G	FLVCR2
SH3BGRL3.	8.08E-09	-0.26301	0.96	0.747	0.000121	Class-G	SH3BGRL3
NKAIN2.4	8.13E-09	-0.10827	0	0.02	0.000122	Class-G	NKAIN2
NUP214.1C	8.74E-09	-0.3399	0.284	0.181	0.000131	Class-G	NUP214
TMED10.5	8.75E-09	-0.15475	0.941	0.56	0.000131	Class-G	TMED10
OMG.9	8.78E-09	-0.27707	0.046	0.085	0.000131	Class-G	OMG
PCSK6.3	8.87E-09	-0.1136	0	0.02	0.000133	Class-G	PCSK6
TNNI2.8	9.46E-09	-0.11238	0.001	0.022	0.000141	Class-G	TNNI2
SMCO4.11	9.66E-09	-0.42054	0.099	0.138	0.000144	Class-G	SMCO4
SLC35E3.9	9.97E-09	-0.28818	0.27	0.173	0.000149	Class-G	SLC35E3
SLC2A3.1C	1.03E-08	-0.60562	0.243	0.256	0.000153	Class-G	SLC2A3
SERPINE1.	1.03E-08	-0.29613	0.149	0.092	0.000154	Class-G	SERPINE1
DDIT3.6	1.10E-08	-0.30737	0.657	0.39	0.000165	Class-G	DDIT3
KLRC2.10	1.13E-08	-0.28565	0.074	0.115	0.000169	Class-G	KLRC2
ASIC4.10	1.15E-08	-0.36586	0.103	0.145	0.000172	Class-G	ASIC4
ZRSR2.4	1.20E-08	-0.15953	0.181	0.115	0.00018	Class-G	ZRSR2
ACAT1.3	1.22E-08	-0.29864	0.552	0.336	0.000182	Class-G	ACAT1
SLCO5A1.8	1.22E-08	-0.1341	0.016	0.045	0.000182	Class-G	SLCO5A1
HBP1.1	1.22E-08	-0.27064	0.337	0.215	0.000182	Class-G	HBP1
MT01	1.25E-08	-0.12195	0.127	0.077	0.000187	Class-G	MT01
CHRNE.8	1.30E-08	-0.13353	0.005	0.029	0.000194	Class-G	CHRNE
AC074289.	1.32E-08	-0.27855	0.032	0.066	0.000197	Class-G	AC074289.1
CD3D.7	1.33E-08	-0.22865	0.001	0.022	0.000198	Class-G	CD3D
DNAJA4.6	1.45E-08	-0.2235	0.032	0.067	0.000217	Class-G	DNAJA4
GALT.4	1.53E-08	-0.13555	0.123	0.074	0.000229	Class-G	GALT
RP11-212I	1.62E-08	-0.12599	0.004	0.026	0.000241	Class-G	RP11-212I21.4
CAPN3.8	1.66E-08	-0.31413	0.018	0.047	0.000249	Class-G	CAPN3
RINT1.8	1.67E-08	-0.10006	0.141	0.088	0.00025	Class-G	RINT1
PELI1.8	1.73E-08	-0.48129	0.187	0.213	0.000258	Class-G	PELI1
IKBKE.10	1.77E-08	-0.12319	0.09	0.051	0.000265	Class-G	IKBKE
AKR1C3.2	1.78E-08	-0.10322	0	0.019	0.000266	Class-G	AKR1C3
MAP4K1.9	1.79E-08	-0.15248	0.008	0.033	0.000268	Class-G	MAP4K1
H3F3C.2	1.81E-08	-0.34959	0.025	0.058	0.000271	Class-G	H3F3C
EREG.4	1.83E-08	-0.15104	0.005	0.028	0.000274	Class-G	EREG
CACYBP.5	1.98E-08	-0.16601	0.817	0.455	0.000295	Class-G	CACYBP
MMP19.7	1.99E-08	-0.24947	0.03	0.063	0.000298	Class-G	MMP19
HOXB-AS1.	2.06E-08	-0.13121	0.01	0.036	0.000307	Class-G	HOXB-AS1
LYN.11	2.15E-08	-0.43868	0.145	0.179	0.000321	Class-G	LYN
SLC46A3.7	2.20E-08	-0.20846	0.029	0.062	0.000329	Class-G	SLC46A3
PEX5L.6	2.27E-08	-0.13469	0.004	0.026	0.00034	Class-G	PEX5L
MTUS1.6	2.27E-08	-0.17869	0.21	0.137	0.00034	Class-G	MTUS1
PAPSS2.5	2.27E-08	-0.11178	0.004	0.026	0.00034	Class-G	PAPSS2
PPA1.7	2.29E-08	-0.44955	0.704	0.5	0.000343	Class-G	PPA1
C16orf54.	2.31E-08	-0.104	0	0.019	0.000345	Class-G	C16orf54
ARF4.5	2.45E-08	-0.32984	0.868	0.581	0.000367	Class-G	ARF4
MAL.9	2.51E-08	-0.26315	0.015	0.043	0.000376	Class-G	MAL
FUBP1.10	2.55E-08	-0.21503	0.324	0.208	0.000382	Class-G	FUBP1
ARHGAP27.	2.59E-08	-0.22161	0.027	0.06	0.000388	Class-G	ARHGAP27
ATP5E.8	2.60E-08	-0.10038	0.995	0.901	0.000388	Class-G	ATP5E
PDE1B.4	2.69E-08	-0.10366	0.002	0.023	0.000403	Class-G	PDE1B
HPRT1.9	2.78E-08	-0.50543	0.213	0.233	0.000415	Class-G	HPRT1

STK10.10	2.80E-08	-0.13	0.11	0.066	0.000418	Class-G	STK10
ABL2.10	2.81E-08	-0.36267	0.395	0.247	0.00042	Class-G	ABL2
CD2.8	2.85E-08	-0.18567	0.002	0.022	0.000426	Class-G	CD2
FOLH1.6	2.92E-08	-0.10846	0.001	0.021	0.000436	Class-G	FOLH1
TBC1D12.9	2.95E-08	-0.13423	0.158	0.099	0.000441	Class-G	TBC1D12
KIAA1324L	3.07E-08	-0.11013	0.008	0.032	0.000458	Class-G	KIAA1324L
ZEB2-AS1.	3.12E-08	-0.1649	0.012	0.038	0.000466	Class-G	ZEB2-AS1
CDC20.8	3.12E-08	-0.12677	0.105	0.062	0.000467	Class-G	CDC20
TACC3.7	3.12E-08	-0.2241	0.046	0.082	0.000467	Class-G	TACC3
KPNA2.7	3.21E-08	-0.2916	0.543	0.324	0.000479	Class-G	KPNA2
THSD7A.1C	3.25E-08	-0.39862	0.11	0.148	0.000486	Class-G	THSD7A
CA10.6	3.25E-08	-0.11657	0.01	0.035	0.000486	Class-G	CA10
PRKAR2B.9	3.29E-08	-0.18029	0.039	0.074	0.000492	Class-G	PRKAR2B
RP11-46H1	3.29E-08	-0.2483	0.007	0.03	0.000492	Class-G	RP11-46H1.3
CIDEB.6	3.35E-08	-0.1071	0.005	0.028	0.000501	Class-G	CIDEB
NAV3.5	3.36E-08	-0.12434	0.007	0.031	0.000502	Class-G	NAV3
PICK1.5	3.40E-08	-0.12925	0.132	0.081	0.000508	Class-G	PICK1
C10orf35.	3.62E-08	-0.18962	0.029	0.062	0.00054	Class-G	C10orf35
RAB11FIP1	3.65E-08	-0.12396	0.007	0.03	0.000546	Class-G	RAB11FIP1
L3MBTL4.1	3.98E-08	-0.13027	0.011	0.037	0.000595	Class-G	L3MBTL4
RAPGEF1.8	3.99E-08	-0.19396	0.17	0.108	0.000596	Class-G	RAPGEF1
COTL1.10	4.06E-08	-0.46336	0.677	0.482	0.000606	Class-G	COTL1
CFLAR.7	4.13E-08	-0.37356	0.478	0.292	0.000617	Class-G	CFLAR
RCAN2.8	4.24E-08	-0.17166	0.019	0.048	0.000634	Class-G	RCAN2
SLC1A5.1C	4.27E-08	-0.21471	0.2	0.128	0.000638	Class-G	SLC1A5
FLT1.4	4.59E-08	-0.10134	0.002	0.023	0.000686	Class-G	FLT1
EIF1B.9	4.98E-08	-0.404	0.82	0.55	0.000745	Class-G	EIF1B
UBE2T.10	5.03E-08	-0.20993	0.185	0.117	0.000751	Class-G	UBE2T
SYT5.8	5.05E-08	-0.13695	0.019	0.048	0.000755	Class-G	SYT5
EEF1G.4	5.15E-08	-0.2696	0.152	0.095	0.00077	Class-G	EEF1G
C1orf198.	5.48E-08	-0.15639	0.153	0.097	0.000819	Class-G	C1orf198
LRRC2.2	5.70E-08	-0.11861	0.002	0.021	0.000852	Class-G	LRRC2
C5AR2.3	5.77E-08	-0.12266	0.001	0.019	0.000863	Class-G	C5AR2
ICA1.6	5.87E-08	-0.17062	0.166	0.105	0.000877	Class-G	ICA1
NPPA.8	6.10E-08	-0.13173	0.008	0.032	0.000912	Class-G	NPPA
ONECUT2.7	6.20E-08	-0.13081	0.019	0.047	0.000927	Class-G	ONECUT2
SULT1A1.9	6.33E-08	-0.21666	0.024	0.054	0.000946	Class-G	SULT1A1
SYT4.2	6.48E-08	-0.1056	0.005	0.027	0.000968	Class-G	SYT4
SPNS2.2	6.54E-08	-0.12829	0.01	0.034	0.000977	Class-G	SPNS2
SNX29.6	6.54E-08	-0.16549	0.155	0.098	0.000978	Class-G	SNX29
CLVS1.6	6.82E-08	-0.11347	0.01	0.034	0.001019	Class-G	CLVS1
GNAI1.9	7.03E-08	-0.25652	0.073	0.11	0.00105	Class-G	GNAI1
LRPAP1.7	7.33E-08	-0.18974	0.876	0.493	0.001096	Class-G	LRPAP1
ZNF846.8	7.51E-08	-0.16559	0.107	0.064	0.001122	Class-G	ZNF846
LMNB1.9	7.51E-08	-0.16054	0.215	0.139	0.001123	Class-G	LMNB1
TNS3.9	7.64E-08	-0.23714	0.044	0.078	0.001142	Class-G	TNS3
HSD17B14.	7.70E-08	-0.28597	0.06	0.097	0.00115	Class-G	HSD17B14
PCSK2.7	8.11E-08	-0.1045	0.007	0.03	0.001212	Class-G	PCSK2
MYT1.9	8.26E-08	-0.13003	0.016	0.043	0.001235	Class-G	MYT1
MOB1A.11	8.27E-08	-0.34752	0.517	0.311	0.001236	Class-G	MOB1A
MLKL.7	8.40E-08	-0.12773	0.008	0.031	0.001255	Class-G	MLKL

STMN1.10	8.55E-08	-0.44655	0.914	0.584	0.001278	Class-G	STMN1
BIRC5.11	8.74E-08	-0.1873	0.152	0.097	0.001306	Class-G	BIRC5
GAD2.1	8.92E-08	-0.10184	0.001	0.018	0.001333	Class-G	GAD2
RB1.11	8.99E-08	-0.38536	0.459	0.28	0.001343	Class-G	RB1
KCNK1.4	9.32E-08	-0.10096	0.002	0.022	0.001393	Class-G	KCNK1
CARD8.10	9.87E-08	-0.24308	0.213	0.138	0.001475	Class-G	CARD8
CDC48.8	1.16E-07	-0.13355	0.016	0.043	0.001739	Class-G	CDC48
HSPB8.7	1.17E-07	-0.18515	0.016	0.043	0.001746	Class-G	HSPB8
LINC00869	1.19E-07	-0.18912	0.001	0.019	0.001772	Class-G	LINC00869
ZDHHC13.2	1.19E-07	-0.18953	0.034	0.066	0.001782	Class-G	ZDHHC13
RP2.9	1.21E-07	-0.11416	0.115	0.071	0.001804	Class-G	RP2
CCDC115.2	1.25E-07	-0.33772	0.496	0.305	0.001869	Class-G	CCDC115
TMEM106A	1.33E-07	-0.25442	0.036	0.068	0.001981	Class-G	TMEM106A
PRCD.7	1.34E-07	-0.17086	0.012	0.037	0.001999	Class-G	PRCD
C1orf228	1.37E-07	-0.14172	0.011	0.035	0.002042	Class-G	C1orf228
KB-1507C5	1.39E-07	-0.11356	0.005	0.027	0.002077	Class-G	KB-1507C5.4
LTB.6	1.41E-07	-0.19848	0.012	0.036	0.002103	Class-G	LTB
TRIM22.9	1.45E-07	-0.19571	0.191	0.125	0.002165	Class-G	TRIM22
SGOL1.9	1.45E-07	-0.18829	0.031	0.062	0.002174	Class-G	SGOL1
RCL1.2	1.47E-07	-0.10049	0.115	0.071	0.002202	Class-G	RCL1
ADM.9	1.52E-07	-0.39467	0.261	0.173	0.002272	Class-G	ADM
TMIGD2.6	1.52E-07	-0.14477	0.003	0.022	0.002279	Class-G	TMIGD2
NFATC2.8	1.55E-07	-0.18622	0.022	0.05	0.002321	Class-G	NFATC2
EIF3E.7	1.64E-07	-0.29431	0.913	0.603	0.002447	Class-G	EIF3E
CD247.2	1.68E-07	-0.10348	0.001	0.019	0.00251	Class-G	CD247
TNFAIP2.9	1.91E-07	-0.25729	0.046	0.079	0.002851	Class-G	TNFAIP2
KIAA0101	1.91E-07	-0.21209	0.169	0.109	0.002853	Class-G	KIAA0101
RPP25.3	1.96E-07	-0.10611	0.009	0.032	0.002927	Class-G	RPP25
SORL1.9	1.98E-07	-0.54723	0.215	0.229	0.002957	Class-G	SORL1
IFI44L.7	2.12E-07	-0.12402	0.194	0.133	0.003175	Class-G	IFI44L
RP11-862L	2.33E-07	-0.1456	0.002	0.02	0.003485	Class-G	RP11-862L9.3
RP11-536K	2.35E-07	-0.21406	0.015	0.041	0.003512	Class-G	RP11-536K7.3
HLA-E.11	2.37E-07	-0.4773	0.836	0.557	0.003541	Class-G	HLA-E
CADPS.7	2.48E-07	-0.19074	0.019	0.046	0.003707	Class-G	CADPS
MXD1.7	2.51E-07	-0.3363	0.099	0.133	0.003745	Class-G	MXD1
SERF2.7	2.65E-07	-0.22688	0.993	0.88	0.003964	Class-G	SERF2
PSMB1.3	2.72E-07	-0.21211	0.967	0.685	0.004069	Class-G	PSMB1
SARNP.3	2.79E-07	-0.22908	0.175	0.114	0.004169	Class-G	SARNP
DAZAP2.9	2.80E-07	-0.23818	0.859	0.484	0.004178	Class-G	DAZAP2
CHADL.7	2.80E-07	-0.18262	0.019	0.045	0.004185	Class-G	CHADL
SCARF1.9	2.93E-07	-0.12767	0.008	0.03	0.004373	Class-G	SCARF1
GHRL.6	3.01E-07	-0.104	0.087	0.052	0.004494	Class-G	GHRL
KIAA1107	3.05E-07	-0.13633	0.02	0.047	0.004562	Class-G	KIAA1107
GFAP.7	3.17E-07	-0.5234	0.341	0.351	0.004739	Class-G	GFAP
SELT.4	3.43E-07	-0.28431	0.935	0.614	0.005128	Class-G	SELT
CD59.7	3.62E-07	-0.23112	0.883	0.499	0.005407	Class-G	CD59
CXCL12.6	3.67E-07	-0.21037	0.019	0.046	0.005489	Class-G	CXCL12
AMPD3.8	3.69E-07	-0.1852	0.027	0.056	0.005522	Class-G	AMPD3
MBD6.6	3.79E-07	-0.21352	0.198	0.13	0.005662	Class-G	MBD6
SLC43A2.9	3.81E-07	-0.28145	0.354	0.228	0.005701	Class-G	SLC43A2
C14orf166	3.86E-07	-0.14818	0.904	0.532	0.005774	Class-G	C14orf166

EPSTI1.11	4.19E-07	-0.40241	0.095	0.13	0.006266	Class-G	EPSTI1
RAMP3.5	4.23E-07	-0.13006	0.008	0.029	0.00632	Class-G	RAMP3
HCFC1R1.5	4.28E-07	-0.32113	0.409	0.262	0.006389	Class-G	HCFC1R1
NINJ1.11	4.37E-07	-0.57021	0.574	0.432	0.00653	Class-G	NINJ1
RP11-195F	4.40E-07	-0.12118	0.131	0.084	0.00658	Class-G	RP11-195F19.5
ACO06129.	4.43E-07	-0.10926	0	0.015	0.006624	Class-G	ACO06129.2
SP140L.7	4.44E-07	-0.15854	0.115	0.072	0.006639	Class-G	SP140L
P2RY12.7	4.65E-07	-0.11952	0.004	0.022	0.006945	Class-G	P2RY12
OPALIN.7	4.84E-07	-0.18436	0	0.015	0.007226	Class-G	OPALIN
WBSCR22.9	5.01E-07	-0.24406	0.782	0.446	0.007488	Class-G	WBSCR22
IFI16.9	5.08E-07	-0.50215	0.441	0.385	0.007591	Class-G	IFI16
B3GALT2.5	5.46E-07	-0.10255	0.014	0.038	0.008159	Class-G	B3GALT2
UNC13D.9	5.61E-07	-0.16257	0.025	0.052	0.008383	Class-G	UNC13D
HSBP1.6	5.77E-07	-0.17372	0.972	0.673	0.008629	Class-G	HSBP1
RNF181.5	5.79E-07	-0.20999	0.859	0.505	0.008656	Class-G	RNF181
RASSF5.1C	6.00E-07	-0.36587	0.092	0.124	0.00897	Class-G	RASSF5
PCMT1.5	6.10E-07	-0.16448	0.866	0.487	0.009117	Class-G	PCMT1
CITED2.8	6.25E-07	-0.5052	0.394	0.346	0.009345	Class-G	CITED2
SLC3A2.3	6.37E-07	-0.1302	0.905	0.536	0.00952	Class-G	SLC3A2
DEGS1.2	6.68E-07	-0.23545	0.707	0.419	0.009979	Class-G	DEGS1
ANPEP.9	6.71E-07	-0.14183	0.012	0.035	0.010031	Class-G	ANPEP
GGA2.11	6.90E-07	-0.34227	0.112	0.143	0.010316	Class-G	GGA2
NFKB1.9	6.95E-07	-0.16985	0.149	0.097	0.010383	Class-G	NFKB1
FGD4.10	7.04E-07	-0.42832	0.121	0.151	0.010517	Class-G	FGD4
NDRG1.7	7.24E-07	-0.54828	0.147	0.176	0.010812	Class-G	NDRG1
TFEB.8	7.38E-07	-0.1283	0.114	0.072	0.011034	Class-G	TFEB
TMPO.9	7.65E-07	-0.19373	0.274	0.18	0.011433	Class-G	TMPO
CYP19A1.6	7.68E-07	-0.12492	0.007	0.027	0.01148	Class-G	CYP19A1
NFKB2.10	7.76E-07	-0.12015	0.092	0.056	0.011591	Class-G	NFKB2
FAM78A.9	8.46E-07	-0.15893	0.015	0.039	0.012649	Class-G	FAM78A
ACO04540.	8.55E-07	-0.31601	0.094	0.127	0.012776	Class-G	ACO04540.4
PHTF2.3	9.60E-07	-0.11513	0.131	0.085	0.014346	Class-G	PHTF2
LINC01102	1.01E-06	-0.21679	0.044	0.075	0.015097	Class-G	LINC01102
CKAP2L.1C	1.09E-06	-0.13243	0.023	0.049	0.016313	Class-G	CKAP2L
TCOF1.7	1.09E-06	-0.29119	0.275	0.182	0.016352	Class-G	TCOF1
ZC3H12A.9	1.11E-06	-0.27675	0.05	0.081	0.016517	Class-G	ZC3H12A
PLA2G7.9	1.14E-06	-0.20272	0.028	0.055	0.017091	Class-G	PLA2G7
ZNF277.4	1.17E-06	-0.25044	0.24	0.161	0.017493	Class-G	ZNF277
PTPN2.9	1.22E-06	-0.31796	0.355	0.231	0.018167	Class-G	PTPN2
GSTO1.9	1.31E-06	-0.62574	0.589	0.434	0.019626	Class-G	GSTO1
CHN2.7	1.33E-06	-0.19456	0.14	0.091	0.01982	Class-G	CHN2
PAQR8.8	1.33E-06	-0.13706	0.136	0.089	0.01991	Class-G	PAQR8
RBMX.7	1.35E-06	-0.11522	0.896	0.512	0.020236	Class-G	RBMX
PSME2.9	1.38E-06	-0.23455	0.865	0.507	0.020562	Class-G	PSME2
C21orf91.	1.40E-06	-0.12257	0.01	0.03	0.020953	Class-G	C21orf91
JAZF1.6	1.50E-06	-0.19024	0.161	0.106	0.022361	Class-G	JAZF1
TMA7.6	1.51E-06	-0.17327	0.994	0.828	0.022562	Class-G	TMA7
MYL12A.1C	1.65E-06	-0.45126	0.745	0.511	0.024636	Class-G	MYL12A
PIK3R1.9	1.66E-06	-0.21719	0.434	0.287	0.024869	Class-G	PIK3R1
SMAD7.6	1.72E-06	-0.13624	0.015	0.037	0.025635	Class-G	SMAD7
LHFPL2.1C	1.85E-06	-0.2945	0.227	0.15	0.027623	Class-G	LHFPL2

HAUS4.11	1.92E-06	-0.25347	0.037	0.065	0.028629	Class-G	HAUS4
DDB2.4	1.96E-06	-0.19821	0.134	0.088	0.029228	Class-G	DDB2
HINT1.6	2.04E-06	-0.18663	0.995	0.8	0.03048	Class-G	HINT1
ADRBK1.11	2.05E-06	-0.16465	0.132	0.086	0.030616	Class-G	ADRBK1
CCNE2.8	2.06E-06	-0.18015	0.035	0.062	0.030831	Class-G	CCNE2
GM2A.9	2.63E-06	-0.26613	0.201	0.134	0.039229	Class-G	GM2A
SOAT1.11	2.78E-06	-0.29622	0.278	0.185	0.041537	Class-G	SOAT1
GALNT15.7	2.82E-06	-0.18922	0.019	0.042	0.04215	Class-G	GALNT15
ARHGAP6.2	2.83E-06	-0.10134	0.005	0.023	0.04236	Class-G	ARHGAP6
CCDC69.9	2.90E-06	-0.13913	0.016	0.039	0.043327	Class-G	CCDC69
RPS6KA5.1	2.96E-06	-0.21722	0.032	0.059	0.044265	Class-G	RPS6KA5
DENND2D.7	2.99E-06	-0.18594	0.024	0.048	0.044685	Class-G	DENND2D
MR1.9	3.03E-06	-0.18224	0.127	0.082	0.045238	Class-G	MR1
TSPAN14.6	3.03E-06	-0.27849	0.3	0.198	0.045272	Class-G	TSPAN14
RND1.7	3.05E-06	-0.17661	0.039	0.068	0.045603	Class-G	RND1
ITGA4.10	3.12E-06	-0.16044	0.022	0.046	0.046596	Class-G	ITGA4
PROCR.10	3.13E-06	-0.25732	0.044	0.073	0.046734	Class-G	PROCR
CHMP2A.5	3.56E-06	-0.13589	0.97	0.603	0.053238	Class-G	CHMP2A
MCF2L.8	3.65E-06	-0.13737	0.136	0.089	0.054617	Class-G	MCF2L
B2M.9	3.82E-06	-0.28645	0.999	0.966	0.057018	Class-G	B2M
JAK3.5	4.08E-06	-0.11567	0.01	0.03	0.060918	Class-G	JAK3
SPC25.9	4.27E-06	-0.1941	0.038	0.065	0.063747	Class-G	SPC25
PLB1.10	4.33E-06	-0.16761	0.022	0.045	0.064738	Class-G	PLB1
HN1.6	4.46E-06	-0.20309	0.896	0.639	0.06659	Class-G	HN1
N4BP2L1.4	4.61E-06	-0.26606	0.218	0.147	0.068886	Class-G	N4BP2L1
MT1H.4	4.68E-06	-0.1225	0.005	0.022	0.069965	Class-G	MT1H
ATP5I.3	4.70E-06	-0.14796	0.983	0.714	0.070233	Class-G	ATP5I
JPH4.8	5.06E-06	-0.15859	0.036	0.064	0.075689	Class-G	JPH4
SCML1.6	5.10E-06	-0.24762	0.067	0.098	0.076236	Class-G	SCML1
KIF22.6	5.40E-06	-0.28504	0.274	0.184	0.080656	Class-G	KIF22
RRM2.10	5.64E-06	-0.23693	0.039	0.066	0.084279	Class-G	RRM2
TMEM219.9	5.74E-06	-0.1892	0.888	0.507	0.08584	Class-G	TMEM219
CLASP2.1C	5.81E-06	-0.23612	0.274	0.184	0.086772	Class-G	CLASP2
EDF1.2	6.06E-06	-0.14268	0.986	0.753	0.090566	Class-G	EDF1
ATF3.10	6.16E-06	-0.50663	0.32	0.299	0.09204	Class-G	ATF3
RP11-386I	6.30E-06	-0.27603	0.043	0.07	0.094153	Class-G	RP11-386I14.4
PGAM2.9	6.64E-06	-0.12175	0.072	0.044	0.099285	Class-G	PGAM2
SEC11A.1C	6.65E-06	-0.20517	0.923	0.537	0.099315	Class-G	SEC11A
FAM149A.5	6.71E-06	-0.12757	0.015	0.035	0.100208	Class-G	FAM149A
OST4.5	6.80E-06	-0.17854	0.981	0.747	0.101558	Class-G	OST4
CD3E.6	6.97E-06	-0.17096	0.004	0.02	0.104142	Class-G	CD3E
SMARCA2.4	7.06E-06	-0.19085	0.185	0.126	0.105575	Class-G	SMARCA2
BNC2.6	7.10E-06	-0.11306	0.01	0.028	0.106168	Class-G	BNC2
GZMK.3	7.19E-06	-0.13084	0	0.012	0.107387	Class-G	GZMK
RELT.10	7.31E-06	-0.12112	0.119	0.079	0.109217	Class-G	RELT
C9orf72.9	7.86E-06	-0.37668	0.128	0.154	0.117489	Class-G	C9orf72
NKX2-2.1C	8.26E-06	-0.28085	0.122	0.152	0.123421	Class-G	NKX2-2
GZMA.6	8.58E-06	-0.16417	0.002	0.017	0.128219	Class-G	GZMA
LCK.5	8.59E-06	-0.12449	0.002	0.017	0.128377	Class-G	LCK
POLR2J.7	9.30E-06	-0.10266	0.967	0.591	0.138922	Class-G	POLR2J
STX3.4	1.00E-05	-0.12801	0.107	0.07	0.149947	Class-G	STX3

PLK1. 8	1. 03E-05	-0. 11743	0. 081	0. 05	0. 153767	Class-G	PLK1
GNA13. 10	1. 04E-05	-0. 28976	0. 251	0. 169	0. 156038	Class-G	GNA13
NAF1. 8	1. 06E-05	-0. 19243	0. 153	0. 103	0. 157901	Class-G	NAF1
SLC29A3. 6	1. 08E-05	-0. 1733	0. 024	0. 047	0. 161269	Class-G	SLC29A3
FABP3. 6	1. 10E-05	-0. 21079	0. 028	0. 052	0. 16368	Class-G	FABP3
NTM. 9	1. 14E-05	-0. 23698	0. 084	0. 116	0. 169966	Class-G	NTM
SERPINB8. 1	1. 16E-05	-0. 1304	0. 11	0. 073	0. 174061	Class-G	SERPINB8
ACSL4. 9	1. 22E-05	-0. 1152	0. 118	0. 078	0. 182784	Class-G	ACSL4
KDM7A. 3	1. 23E-05	-0. 17152	0. 04	0. 066	0. 184252	Class-G	KDM7A
PRDX3. 9	1. 24E-05	-0. 36698	0. 73	0. 424	0. 184932	Class-G	PRDX3
LINC-PINT	1. 24E-05	-0. 18308	0. 147	0. 099	0. 185816	Class-G	LINC-PINT
NFE2L3. 3	1. 25E-05	-0. 10059	0. 014	0. 034	0. 186186	Class-G	NFE2L3
STOM. 10	1. 25E-05	-0. 59844	0. 258	0. 25	0. 186943	Class-G	STOM
KLF10. 7	1. 27E-05	-0. 45358	0. 227	0. 234	0. 189696	Class-G	KLF10
CTGF. 4	1. 38E-05	-0. 13987	0. 013	0. 032	0. 205722	Class-G	CTGF
STX7. 9	1. 41E-05	-0. 35824	0. 381	0. 249	0. 211259	Class-G	STX7
SNRPN. 10	1. 44E-05	-0. 46758	0. 138	0. 092	0. 21522	Class-G	SNRPN
RHOG. 11	1. 54E-05	-0. 6876	0. 515	0. 392	0. 229886	Class-G	RHOG
IFI44. 6	1. 59E-05	-0. 2204	0. 25	0. 174	0. 237701	Class-G	IFI44
RIT2. 9	1. 74E-05	-0. 2231	0. 052	0. 08	0. 260303	Class-G	RIT2
NHLH1. 4	1. 77E-05	-0. 12316	0. 01	0. 027	0. 26454	Class-G	NHLH1
CENPW. 7	1. 90E-05	-0. 19447	0. 163	0. 11	0. 284665	Class-G	CENPW
RP11-514C	1. 92E-05	-0. 11497	0. 012	0. 03	0. 287628	Class-G	RP11-514012. 4
CENPM. 10	1. 98E-05	-0. 10803	0. 104	0. 069	0. 296273	Class-G	CENPM
OXA1L. 10	2. 01E-05	-0. 40179	0. 432	0. 28	0. 299771	Class-G	OXA1L
SEPT7. 11	2. 28E-05	-0. 1941	0. 964	0. 66	0. 341462	Class-G	7-Sep
ASPA. 3	2. 54E-05	-0. 16369	0. 011	0. 028	0. 379757	Class-G	ASPA
SNHG8. 5	2. 55E-05	-0. 33018	0. 718	0. 427	0. 380766	Class-G	SNHG8
GIMAP2. 1C	2. 72E-05	-0. 28801	0. 055	0. 081	0. 406253	Class-G	GIMAP2
ODF3B. 11	2. 81E-05	-0. 2867	0. 072	0. 098	0. 419756	Class-G	ODF3B
KIF1A. 9	2. 83E-05	-0. 29117	0. 103	0. 13	0. 422671	Class-G	KIF1A
PRKCG. 6	2. 88E-05	-0. 14846	0. 007	0. 022	0. 430525	Class-G	PRKCG
KIF20B. 7	2. 96E-05	-0. 24737	0. 064	0. 091	0. 442803	Class-G	KIF20B
CXCL16. 1C	2. 97E-05	-0. 44212	0. 726	0. 409	0. 444131	Class-G	CXCL16
DOCK11. 1C	3. 03E-05	-0. 18631	0. 034	0. 057	0. 453539	Class-G	DOCK11
PLXDC1. 1	3. 12E-05	-0. 1021	0. 01	0. 027	0. 466636	Class-G	PLXDC1
TMEM39A. 6	3. 43E-05	-0. 15096	0. 126	0. 085	0. 512166	Class-G	TMEM39A
SEP15. 4	3. 43E-05	-0. 11534	0. 957	0. 607	0. 512856	Class-G	15-Sep
MED30. 6	3. 64E-05	-0. 28213	0. 354	0. 237	0. 544671	Class-G	MED30
PER1. 8	4. 15E-05	-0. 40733	0. 169	0. 187	0. 619872	Class-G	PER1
SYF2. 2	4. 27E-05	-0. 28604	0. 817	0. 469	0. 637789	Class-G	SYF2
IL17RA. 11	4. 32E-05	-0. 21187	0. 163	0. 112	0. 645646	Class-G	IL17RA
BTD	4. 41E-05	-0. 14663	0. 11	0. 075	0. 659377	Class-G	BTD
SF3B5. 3	4. 55E-05	-0. 12544	0. 931	0. 581	0. 679416	Class-G	SF3B5
HAUS7. 2	4. 57E-05	-0. 16794	0. 125	0. 085	0. 683114	Class-G	HAUS7
ACO92580. 4	4. 66E-05	-0. 1005	0. 001	0. 012	0. 696313	Class-G	ACO92580. 4
VPS28. 4	5. 12E-05	-0. 27976	0. 911	0. 591	0. 765403	Class-G	VPS28
NFIL3. 10	5. 83E-05	-0. 26208	0. 062	0. 087	0. 870604	Class-G	NFIL3
HMGN3. 6	5. 87E-05	-0. 13147	0. 93	0. 556	0. 877707	Class-G	HMGN3
LTA4H. 9	6. 00E-05	-0. 31259	0. 315	0. 215	0. 896393	Class-G	LTA4H
EEF1A1. 9	6. 06E-05	-0. 16538	0. 984	0. 8	0. 90493	Class-G	EEF1A1

NEDD4L. 7	6. 22E-05	-0. 15381	0. 153	0. 106	0. 92939	Class-G	NEDD4L
MEF2A. 11	6. 60E-05	-0. 35437	0. 299	0. 202	0. 985732	Class-G	MEF2A
ST3GAL6. 1	6. 77E-05	-0. 34385	0. 09	0. 115		1 Class-G	ST3GAL6
NEUROD2. 5	7. 06E-05	-0. 12582	0. 015	0. 032		1 Class-G	NEUROD2
MYC. 6	7. 54E-05	-0. 29993	0. 227	0. 16		1 Class-G	MYC
NUSAP1. 1C	7. 76E-05	-0. 24952	0. 143	0. 098		1 Class-G	NUSAP1
FAM107B. 7	7. 92E-05	-0. 33726	0. 102	0. 125		1 Class-G	FAM107B
BEST3. 9	8. 18E-05	-0. 15368	0. 119	0. 082		1 Class-G	BEST3
SESN2. 7	8. 26E-05	-0. 15866	0. 141	0. 098		1 Class-G	SESN2
DNAAF1. 7	8. 27E-05	-0. 17511	0. 013	0. 029		1 Class-G	DNAAF1
PTPRK. 8	8. 32E-05	-0. 1866	0. 038	0. 06		1 Class-G	PTPRK
ATPIF1. 2	8. 69E-05	-0. 12381	0. 944	0. 571		1 Class-G	ATPIF1
NDUFA1. 4	8. 82E-05	-0. 18073	0. 971	0. 683		1 Class-G	NDUFA1
NKX2-5. 8	9. 25E-05	-0. 10919	0. 09	0. 06		1 Class-G	NKX2-5
RPPH1. 4	9. 50E-05	-0. 12826	0. 016	0. 033		1 Class-G	RPPH1
UCHL1. 9	9. 53E-05	-0. 38831	0. 671	0. 398		1 Class-G	UCHL1
AKNA. 9	0. 0001	-0. 25999	0. 052	0. 075		1 Class-G	AKNA
KBTBD8. 4	0. 000101	-0. 13002	0. 015	0. 032		1 Class-G	KBTBD8
CPLX1. 8	0. 000101	-0. 12818	0. 025	0. 045		1 Class-G	CPLX1
SH3KBP1. 1	0. 000105	-0. 28081	0. 332	0. 226		1 Class-G	SH3KBP1
GPC2. 11	0. 000107	-0. 40318	0. 155	0. 17		1 Class-G	GPC2
ZNF273. 9	0. 000111	-0. 11657	0. 115	0. 079		1 Class-G	ZNF273
PLXNC1. 11	0. 000114	-0. 19304	0. 047	0. 069		1 Class-G	PLXNC1
TNFRSF14. 0	0. 000115	-0. 35082	0. 095	0. 118		1 Class-G	TNFRSF14
ANKRD46. 8	0. 000117	-0. 20914	0. 21	0. 148		1 Class-G	ANKRD46
GALM. 10	0. 000117	-0. 23832	0. 169	0. 118		1 Class-G	GALM
TRA2B. 8	0. 000119	-0. 19717	0. 857	0. 488		1 Class-G	TRA2B
CDKN1C. 9	0. 000121	-0. 20179	0. 153	0. 107		1 Class-G	CDKN1C
CD63. 10	0. 000121	-0. 2163	0. 998	0. 912		1 Class-G	CD63
DIAPH2. 6	0. 000123	-0. 18399	0. 045	0. 068		1 Class-G	DIAPH2
HJURP. 9	0. 000124	-0. 12425	0. 023	0. 042		1 Class-G	HJURP
RCBTB2. 9	0. 000124	-0. 32327	0. 124	0. 145		1 Class-G	RCBTB2
SPTLC2. 11	0. 000128	-0. 51158	0. 209	0. 21		1 Class-G	SPTLC2
APIG2. 9	0. 000131	-0. 19439	0. 033	0. 054		1 Class-G	APIG2
CRYAB. 10	0. 000132	-0. 65048	0. 743	0. 46		1 Class-G	CRYAB
TSPO. 10	0. 000132	-0. 33656	0. 858	0. 551		1 Class-G	TSPO
COL8A1. 2	0. 000134	-0. 10767	0. 008	0. 023		1 Class-G	COL8A1
RASL11B. 1	0. 000143	-0. 19455	0. 036	0. 057		1 Class-G	RASL11B
SELM. 9	0. 000149	-0. 28736	0. 255	0. 177		1 Class-G	SELM
CHIT1. 1	0. 000151	-0. 12943	0. 004	0. 015		1 Class-G	CHIT1
SSR3. 10	0. 000152	-0. 31957	0. 83	0. 477		1 Class-G	SSR3
TSPAN13. 1	0. 000157	-0. 49206	0. 329	0. 294		1 Class-G	TSPAN13
CPQ. 9	0. 000161	-0. 32305	0. 24	0. 167		1 Class-G	CPQ
F11R. 10	0. 000167	-0. 20102	0. 039	0. 06		1 Class-G	F11R
TCP1. 7	0. 000169	-0. 18303	0. 83	0. 473		1 Class-G	TCP1
KMT2E. 9	0. 000171	-0. 2118	0. 85	0. 486		1 Class-G	KMT2E
GAB2. 5	0. 000171	-0. 11245	0. 091	0. 062		1 Class-G	GAB2
MMP7. 6	0. 000185	-0. 22938	0. 015	0. 032		1 Class-G	MMP7
TBC1D2B. 9	0. 000186	-0. 12296	0. 073	0. 048		1 Class-G	TBC1D2B
DNM3. 9	0. 000199	-0. 11525	0. 118	0. 083		1 Class-G	DNM3
PCMTD1. 4	0. 0002	-0. 22103	0. 203	0. 144		1 Class-G	PCMTD1



BLOC1S1. 6	0.000208	-0.265	0.925	0.603	1 Class-G	BLOC1S1
TLR3. 6	0.000209	-0.14818	0.018	0.035	1 Class-G	TLR3
CLN8. 8	0.000216	-0.5355	0.289	0.265	1 Class-G	CLN8
TMEM70. 8	0.000226	-0.3405	0.583	0.364	1 Class-G	TMEM70
BRK1. 2	0.000237	-0.14178	0.987	0.747	1 Class-G	BRK1
KDM6B. 9	0.000239	-0.43766	0.225	0.222	1 Class-G	KDM6B
VDAC3. 6	0.000246	-0.30934	0.717	0.423	1 Class-G	VDAC3
IL13RA1. 1	0.000246	-0.38425	0.349	0.233	1 Class-G	IL13RA1
PIM3. 9	0.000255	-0.25827	0.257	0.179	1 Class-G	PIM3
ATP5G3. 3	0.000272	-0.10911	0.973	0.698	1 Class-G	ATP5G3
GPX3. 10	0.000274	-0.31585	0.204	0.144	1 Class-G	GPX3
TAC3. 4	0.000284	-0.11116	0.012	0.026	1 Class-G	TAC3
APEX1. 3	0.000288	-0.26341	0.835	0.488	1 Class-G	APEX1
MARCH3. 6	0.000315	-0.2086	0.139	0.099	1 Class-G	3-Mar
ATF5. 8	0.000316	-0.33623	0.261	0.183	1 Class-G	ATF5
C9orf3. 9	0.000328	-0.21138	0.139	0.099	1 Class-G	C9orf3
ZDHHC2. 4	0.000342	-0.10016	0.087	0.06	1 Class-G	ZDHHC2
LINC00937	0.000345	-0.12694	0.019	0.035	1 Class-G	LINC00937
ANKRD44. 5	0.000345	-0.30105	0.077	0.099	1 Class-G	ANKRD44
HNRNPA0. 9	0.000358	-0.12522	0.95	0.591	1 Class-G	HNRNPA0
RABGAP1L. 0	0.000366	-0.20448	0.146	0.104	1 Class-G	RABGAP1L
MORF4L1. 4	0.000373	-0.12002	0.982	0.706	1 Class-G	MORF4L1
CSRNP1. 11	0.000376	-0.40487	0.184	0.192	1 Class-G	CSRNP1
CA3. 7	0.000392	-0.2678	0.025	0.043	1 Class-G	CA3
RP11-290E	0.000394	-0.10845	0.007	0.02	1 Class-G	RP11-290D2. 6
GLCCI1. 1C	0.000406	-0.24144	0.201	0.143	1 Class-G	GLCCI1
DAGLB. 8	0.000406	-0.32705	0.104	0.123	1 Class-G	DAGLB
RAB11FIP4	0.000424	-0.14471	0.025	0.043	1 Class-G	RAB11FIP4
CIITA. 7	0.000441	-0.15387	0.023	0.04	1 Class-G	CIITA
MAP1LC3B2	0.000444	-0.25302	0.066	0.087	1 Class-G	MAP1LC3B2
MFSD1. 11	0.000445	-0.60811	0.412	0.333	1 Class-G	MFSD1
GABARAPL2	0.000467	-0.17153	0.988	0.703	1 Class-G	GABARAPL2
MPC2. 6	0.000469	-0.37286	0.84	0.539	1 Class-G	MPC2
AATK. 7	0.000471	-0.1916	0.019	0.035	1 Class-G	AATK
UBXN1. 6	0.000496	-0.25925	0.893	0.576	1 Class-G	UBXN1
CLIC2. 8	0.000511	-0.16824	0.029	0.046	1 Class-G	CLIC2
C2orf74. 2	0.000524	-0.21153	0.013	0.028	1 Class-G	C2orf74
TMEM86A. 9	0.000533	-0.16461	0.031	0.049	1 Class-G	TMEM86A
GLA. 10	0.000536	-0.46914	0.218	0.215	1 Class-G	GLA
TNFAIP8L3	0.000574	-0.10976	0.016	0.031	1 Class-G	TNFAIP8L3
PI3. 7	0.000588	-0.3683	0.073	0.049	1 Class-G	PI3
SLC9A9. 1C	0.000593	-0.27153	0.061	0.081	1 Class-G	SLC9A9
SLC12A5. 8	0.000595	-0.26216	0.075	0.095	1 Class-G	SLC12A5
RAB20. 10	0.000617	-0.58517	0.248	0.234	1 Class-G	RAB20
SGPP1. 8	0.000619	-0.11645	0.106	0.075	1 Class-G	SGPP1
DHRS3. 9	0.000634	-0.4159	0.16	0.173	1 Class-G	DHRS3
MID1IP1. 5	0.000645	-0.34858	0.356	0.246	1 Class-G	MID1IP1
HSF2. 7	0.000645	-0.17678	0.155	0.111	1 Class-G	HSF2
DRAM2. 10	0.000678	-0.5737	0.394	0.327	1 Class-G	DRAM2
CREBRF. 3	0.000702	-0.22067	0.172	0.124	1 Class-G	CREBRF
TRIQQ. 3	0.000708	-0.1758	0.043	0.062	1 Class-G	TRIQQ

CARD16.9	0.000712	-0.40212	0.221	0.231	1 Class-G	CARD16
AC004540.	0.000725	-0.1032	0.106	0.075	1 Class-G	AC004540.5
MCM7.10	0.00075	-0.29107	0.345	0.239	1 Class-G	MCM7
PTGS1.11	0.000785	-0.28291	0.207	0.148	1 Class-G	PTGS1
PTBP2.9	0.000792	-0.13883	0.139	0.1	1 Class-G	PTBP2
PAK3.11	0.000815	-0.18598	0.187	0.136	1 Class-G	PAK3
RP11-160C	0.000844	-0.12355	0.016	0.031	1 Class-G	RP11-16005.1
GNA01.8	0.000859	-0.23376	0.073	0.093	1 Class-G	GNA01
PARK7.6	0.000878	-0.10383	0.988	0.729	1 Class-G	PARK7
GNG2.7	0.00089	-0.2665	0.237	0.17	1 Class-G	GNG2
TSC22D2.5	0.000902	-0.21107	0.206	0.148	1 Class-G	TSC22D2
CAP1.10	0.000942	-0.29432	0.867	0.547	1 Class-G	CAP1
HSBP1L1.7	0.000944	-0.13069	0.099	0.07	1 Class-G	HSBP1L1
WDR830S.4	0.000955	-0.23437	0.981	0.705	1 Class-G	WDR830S
SPOCK1.9	0.000997	-0.21092	0.064	0.084	1 Class-G	SPOCK1
TK1.8	0.001007	-0.21095	0.054	0.073	1 Class-G	TK1
GABARAP.8	0.001016	-0.64342	0.619	0.435	1 Class-G	GABARAP
PRC1.10	0.001027	-0.15764	0.114	0.081	1 Class-G	PRC1
SHCBP1.7	0.001032	-0.12307	0.038	0.056	1 Class-G	SHCBP1
GDI2.10	0.001063	-0.30119	0.755	0.445	1 Class-G	GDI2
SNRPD2.6	0.00107	-0.19491	0.985	0.709	1 Class-G	SNRPD2
PTPRCAP.7	0.001075	-0.20503	0.015	0.028	1 Class-G	PTPRCAP
TCEB2.8	0.001088	-0.13626	0.989	0.796	1 Class-G	TCEB2
VSTM2A.9	0.001136	-0.46492	0.089	0.108	1 Class-G	VSTM2A
CCDC18.7	0.001167	-0.11819	0.101	0.073	1 Class-G	CCDC18
FGF12.7	0.001181	-0.13125	0.033	0.05	1 Class-G	FGF12
TMEM246.8	0.001237	-0.12698	0.033	0.05	1 Class-G	TMEM246
GBP2.8	0.00124	-0.38943	0.277	0.197	1 Class-G	GBP2
CMTM6.11	0.001274	-0.37178	0.645	0.39	1 Class-G	CMTM6
YPEL4.5	0.001285	-0.12342	0.027	0.043	1 Class-G	YPEL4
FOLR1.7	0.001286	-0.14258	0.049	0.032	1 Class-G	FOLR1
LDOC1.10	0.001317	-0.21744	0.07	0.091	1 Class-G	LDOC1
AQP1.4	0.00132	-0.11795	0.031	0.048	1 Class-G	AQP1
P2RX4.10	0.001481	-0.32789	0.234	0.167	1 Class-G	P2RX4
NDUFS5.7	0.001527	-0.1445	0.994	0.781	1 Class-G	NDUFS5
PPIB.5	0.001528	-0.19938	0.979	0.682	1 Class-G	PPIB
UXT.7	0.00156	-0.28837	0.836	0.489	1 Class-G	UXT
B4GALNT1.	0.001594	-0.29054	0.187	0.136	1 Class-G	B4GALNT1
ATRAID.4	0.001656	-0.19492	0.931	0.559	1 Class-G	ATRAID
CHGB.8	0.00168	-0.23606	0.072	0.09	1 Class-G	CHGB
BLVRA.9	0.001712	-0.38332	0.48	0.317	1 Class-G	BLVRA
XRCC5.10	0.001727	-0.12973	0.874	0.509	1 Class-G	XRCC5
CA9.7	0.001763	-0.14806	0.027	0.042	1 Class-G	CA9
RTN2.7	0.001826	-0.19611	0.11	0.08	1 Class-G	RTN2
ORMDL2.8	0.001928	-0.42147	0.373	0.256	1 Class-G	ORMDL2
ATP6V1B2.	0.002007	-0.48615	0.522	0.39	1 Class-G	ATP6V1B2
NRXN2.11	0.002044	-0.14621	0.15	0.111	1 Class-G	NRXN2
FAM96B.4	0.002084	-0.10509	0.95	0.61	1 Class-G	FAM96B
RMRP.1	0.002188	-0.10337	0.008	0.019	1 Class-G	RMRP
FRZB.6	0.002189	-0.20526	0.032	0.047	1 Class-G	FRZB
NAA38.4	0.002202	-0.37831	0.719	0.431	1 Class-G	NAA38

CSGALNACT	0.002241	-0.23583	0.059	0.077	1 Class-G	CSGALNACT1
RNF166.8	0.002245	-0.2786	0.243	0.176	1 Class-G	RNF166
VASH1.7	0.002293	-0.24479	0.169	0.123	1 Class-G	VASH1
ZNF467.8	0.002301	-0.11368	0.022	0.036	1 Class-G	ZNF467
RP11-138A	0.002325	-0.18379	0.127	0.094	1 Class-G	RP11-138A9.2
NAA60.3	0.002338	-0.12359	0.005	0.014	1 Class-G	NAA60
CENPU.9	0.002358	-0.16985	0.136	0.1	1 Class-G	CENPU
P2RY11.9	0.002382	-0.16626	0.113	0.082	1 Class-G	P2RY11
C10orf10.	0.002422	-0.43076	0.118	0.086	1 Class-G	C10orf10
PTPRD.10	0.002523	-0.1904	0.058	0.075	1 Class-G	PTPRD
LAT.1	0.002621	-0.11058	0.048	0.032	1 Class-G	LAT
TSPYL2.5	0.002834	-0.19493	0.146	0.108	1 Class-G	TSPYL2
PDCD4.10	0.002901	-0.35988	0.139	0.15	1 Class-G	PDCD4
APOL4.7	0.002944	-0.11729	0.03	0.045	1 Class-G	APOL4
SYNPO2L.1	0.00295	-0.12485	0.008	0.019	1 Class-G	SYNPO2L
OSR1.4	0.002968	-0.12562	0.005	0.014	1 Class-G	OSR1
NAP1L3.8	0.002992	-0.13144	0.131	0.097	1 Class-G	NAP1L3
TUBA4A.6	0.003153	-0.17884	0.072	0.051	1 Class-G	TUBA4A
TMEM243.6	0.0032	-0.34121	0.265	0.192	1 Class-G	TMEM243
CCNL1.4	0.003374	-0.40118	0.74	0.489	1 Class-G	CCNL1
FAM13A.3	0.003399	-0.18911	0.127	0.094	1 Class-G	FAM13A
NDUFB6.5	0.003436	-0.28418	0.764	0.453	1 Class-G	NDUFB6
FAM212A.9	0.00353	-0.17559	0.065	0.046	1 Class-G	FAM212A
COX7A2.5	0.003539	-0.10945	0.988	0.781	1 Class-G	COX7A2
CAT.9	0.003555	-0.42394	0.423	0.285	1 Class-G	CAT
GPR19.6	0.0036	-0.13406	0.032	0.047	1 Class-G	GPR19
YPEL2.5	0.003695	-0.15009	0.091	0.066	1 Class-G	YPEL2
CD81.9	0.003981	-0.40643	0.662	0.402	1 Class-G	CD81
TMEM100.1	0.004054	-0.21883	0.073	0.091	1 Class-G	TMEM100
SNX2.11	0.004063	-0.36473	0.605	0.378	1 Class-G	SNX2
CHCHD7.1C	0.004136	-0.53857	0.324	0.28	1 Class-G	CHCHD7
BNIP3L.5	0.004173	-0.32787	0.865	0.556	1 Class-G	BNIP3L
MKI67.10	0.004226	-0.19318	0.049	0.065	1 Class-G	MKI67
SSBP1.6	0.004295	-0.24673	0.924	0.592	1 Class-G	SSBP1
STC2.6	0.00432	-0.13576	0.029	0.043	1 Class-G	STC2
TMEM37.7	0.004508	-0.21006	0.082	0.06	1 Class-G	TMEM37
SUPT3H	0.004516	-0.12727	0.021	0.034	1 Class-G	SUPT3H
CLN3.3	0.004673	-0.11436	0.004	0.011	1 Class-G	CLN3
SERPINI1.	0.004945	-0.10027	0.07	0.05	1 Class-G	SERPINI1
ZEB2.7	0.004949	-0.43267	0.346	0.297	1 Class-G	ZEB2
CYTH1.8	0.00502	-0.34236	0.153	0.159	1 Class-G	CYTH1
HLA-G.1	0.005197	-0.20981	0.039	0.054	1 Class-G	HLA-G
CKS2.10	0.005254	-0.56785	0.46	0.351	1 Class-G	CKS2
CMTM7.11	0.005311	-0.40083	0.161	0.165	1 Class-G	CMTM7
NUF2.11	0.005397	-0.17984	0.049	0.064	1 Class-G	NUF2
FNIP2.7	0.005425	-0.39298	0.198	0.195	1 Class-G	FNIP2
FAM110A.5	0.005426	-0.16571	0.06	0.076	1 Class-G	FAM110A
STMN4.10	0.005584	-0.47736	0.418	0.287	1 Class-G	STMN4
FKBP5.11	0.005601	-0.52648	0.368	0.308	1 Class-G	FKBP5
HSD3B7.7	0.005608	-0.15863	0.097	0.072	1 Class-G	HSD3B7
ARRDC2.9	0.005935	-0.26564	0.073	0.088	1 Class-G	ARRDC2

KIF2C. 9	0.005936	-0.11263	0.032	0.045	1 Class-G	KIF2C
ICOSLG. 11	0.006004	-0.26539	0.078	0.093	1 Class-G	ICOSLG
TUSC1. 7	0.006012	-0.14915	0.065	0.081	1 Class-G	TUSC1
TNR. 8	0.006153	-0.10867	0.041	0.057	1 Class-G	TNR
RHEB. 5	0.006261	-0.11732	0.94	0.588	1 Class-G	RHEB
GPR82. 7	0.006382	-0.22132	0.172	0.129	1 Class-G	GPR82
PAIP2B. 1	0.006461	-0.10132	0.015	0.025	1 Class-G	PAIP2B
SELENBP1. 0	0.006494	-0.10135	0.011	0.021	1 Class-G	SELENBP1
NEU4. 8	0.006611	-0.16254	0.05	0.065	1 Class-G	NEU4
SBDS. 10	0.006622	-0.16032	0.941	0.556	1 Class-G	SBDS
CP. 6	0.006634	-0.12423	0.018	0.03	1 Class-G	CP
BCL2. 6	0.006639	-0.16241	0.037	0.051	1 Class-G	BCL2
WSB1. 7	0.006673	-0.19084	0.924	0.607	1 Class-G	WSB1
DNER. 9	0.006728	-0.21909	0.363	0.266	1 Class-G	DNER
TMEM140. 6	0.006876	-0.11579	0.063	0.045	1 Class-G	TMEM140
DHRS4. 7	0.00691	-0.18145	0.104	0.078	1 Class-G	DHRS4
HSPBAP1. 5	0.006945	-0.1743	0.092	0.068	1 Class-G	HSPBAP1
RBM47. 11	0.006946	-0.21378	0.149	0.111	1 Class-G	RBM47
ATP5L2. 4	0.006964	-0.3588	0.081	0.095	1 Class-G	ATP5L2
C1orf54. 1	0.006975	-0.46808	0.301	0.213	1 Class-G	C1orf54
MANBA. 11	0.007076	-0.26451	0.154	0.115	1 Class-G	MANBA
ACO09501. 0	0.007127	-0.68883	0.203	0.149	1 Class-G	ACO09501. 4
SYNGR2. 11	0.007351	-0.47973	0.469	0.305	1 Class-G	SYNGR2
MND1. 4	0.007536	-0.10267	0.033	0.046	1 Class-G	MND1
KLF2. 7	0.007608	-0.42773	0.124	0.133	1 Class-G	KLF2
DLX1. 11	0.007991	-0.32484	0.105	0.116	1 Class-G	DLX1
ATP5F1. 4	0.008019	-0.25781	0.93	0.597	1 Class-G	ATP5F1
PBK. 11	0.008067	-0.15946	0.093	0.07	1 Class-G	PBK
SOCS1. 5	0.008108	-0.17202	0.041	0.055	1 Class-G	SOCS1
XBP1. 10	0.008147	-0.34009	0.529	0.345	1 Class-G	XBP1
TXNIP. 6	0.008317	-0.3391	0.643	0.414	1 Class-G	TXNIP
MCM5. 9	0.008745	-0.25392	0.19	0.143	1 Class-G	MCM5
RUNDC3A. 1	0.00888	-0.19966	0.086	0.099	1 Class-G	RUNDC3A
PAIP2. 3	0.009022	-0.23369	0.907	0.585	1 Class-G	PAIP2
PIFO. 8	0.009055	-0.16263	0.064	0.047	1 Class-G	PIFO
PTPRN. 8	0.009085	-0.18233	0.061	0.076	1 Class-G	PTPRN
STYXL1. 5	0.009097	-0.23587	0.16	0.121	1 Class-G	STYXL1
EIF3M. 7	0.00927	-0.27878	0.797	0.482	1 Class-G	EIF3M
BAX. 10	0.009933	-0.21245	0.878	0.515	1 Class-G	BAX
SRCIN1. 8	0.009965	-0.12671	0.021	0.032	1 Class-G	SRCIN1
FAM64A. 12	0	1.632399	0.95	0.054	0 CSCL1	FAM64A
CENPF. 11	0	1.608087	0.96	0.086	0 CSCL1	CENPF
CDC20. 9	0	1.573233	0.95	0.053	0 CSCL1	CDC20
BIRC5. 12	0	1.559851	0.975	0.089	0 CSCL1	BIRC5
TPX2. 11	0	1.513817	0.925	0.068	0 CSCL1	TPX2
CCNB1. 10	0	1.500265	0.96	0.075	0 CSCL1	CCNB1
PBK. 12	0	1.493686	0.99	0.057	0 CSCL1	PBK
TOP2A. 11	0	1.4922	0.915	0.071	0 CSCL1	TOP2A
UBE2C. 12	0	1.481475	0.94	0.102	0 CSCL1	UBE2C
NUSAP1. 11	0	1.434081	0.96	0.09	0 CSCL1	NUSAP1
CDKN3. 11	0	1.424042	0.93	0.077	0 CSCL1	CDKN3

CENPA. 10	0	1.389729	0.876	0.035	0 CSCL1	CENPA
AURKA. 9	0	1.386672	0.896	0.063	0 CSCL1	AURKA
PLK1. 9	0	1.36663	0.856	0.041	0 CSCL1	PLK1
CCNB2. 10	0	1.3619	0.9	0.049	0 CSCL1	CCNB2
NUF2. 12	0	1.336854	0.955	0.046	0 CSCL1	NUF2
ASPM. 11	0	1.330993	0.891	0.032	0 CSCL1	ASPM
CENPE. 10	0	1.308194	0.871	0.041	0 CSCL1	CENPE
PRC1. 11	0	1.273725	0.935	0.071	0 CSCL1	PRC1
SGOL2. 10	0	1.259725	0.915	0.075	0 CSCL1	SGOL2
GTSE1. 8	0	1.23636	0.881	0.043	0 CSCL1	GTSE1
MKI67. 11	0	1.221816	0.881	0.048	0 CSCL1	MKI67
CCNA2. 10	0	1.219445	0.886	0.042	0 CSCL1	CCNA2
DLGAP5. 1C	0	1.162777	0.831	0.021	0 CSCL1	DLGAP5
CDCA3. 10	0	1.149468	0.841	0.039	0 CSCL1	CDCA3
MXD3. 10	0	1.130181	0.876	0.049	0 CSCL1	MXD3
TROAP. 10	0	1.123813	0.841	0.032	0 CSCL1	TROAP
SGOL1. 10	0	1.108802	0.861	0.043	0 CSCL1	SGOL1
HMMR. 7	0	1.087971	0.806	0.027	0 CSCL1	HMMR
CKAP2L. 11	0	1.076598	0.831	0.032	0 CSCL1	CKAP2L
ECT2. 8	0	1.071469	0.856	0.036	0 CSCL1	ECT2
KIF2C. 10	0	1.071366	0.831	0.03	0 CSCL1	KIF2C
DEPDC1. 4	0	1.069969	0.801	0.022	0 CSCL1	DEPDC1
NEK2. 7	0	1.032885	0.741	0.021	0 CSCL1	NEK2
KIF23. 7	0	1.02316	0.776	0.027	0 CSCL1	KIF23
KNSTRN. 6	0	1.020697	0.841	0.066	0 CSCL1	KNSTRN
KIFC1. 9	0	1.018634	0.796	0.046	0 CSCL1	KIFC1
AURKB. 11	0	1.016181	0.726	0.037	0 CSCL1	AURKB
TACC3. 8	0	1.016169	0.836	0.064	0 CSCL1	TACC3
BUB1. 6	0	0.997482	0.806	0.027	0 CSCL1	BUB1
CDCA8. 9	0	0.979333	0.751	0.027	0 CSCL1	CDCA8
PRR11. 4	0	0.975729	0.771	0.052	0 CSCL1	PRR11
NDC80. 9	0	0.965509	0.786	0.035	0 CSCL1	NDC80
HJURP. 10	0	0.963979	0.716	0.028	0 CSCL1	HJURP
RACGAP1. 5	0	0.960758	0.871	0.069	0 CSCL1	RACGAP1
FAM83D. 3	0	0.960549	0.657	0.025	0 CSCL1	FAM83D
SPC25. 10	0	0.959995	0.786	0.049	0 CSCL1	SPC25
CENPN. 8	0	0.943182	0.861	0.074	0 CSCL1	CENPN
FOXMI. 8	0	0.926327	0.836	0.038	0 CSCL1	FOXMI
CDCA2. 1	0	0.925004	0.711	0.019	0 CSCL1	CDCA2
SPC24. 9	0	0.918089	0.746	0.037	0 CSCL1	SPC24
SPAG5. 6	0	0.894397	0.751	0.032	0 CSCL1	SPAG5
NCAPG. 9	0	0.89276	0.756	0.029	0 CSCL1	NCAPG
SAPCD2. 7	0	0.884588	0.731	0.044	0 CSCL1	SAPCD2
KIF20A. 1	0	0.87563	0.677	0.016	0 CSCL1	KIF20A
KIF4A. 2	0	0.851602	0.697	0.023	0 CSCL1	KIF4A
GAS2L3. 7	0	0.848744	0.756	0.056	0 CSCL1	GAS2L3
KIF14. 1	0	0.844733	0.687	0.018	0 CSCL1	KIF14
ARHGAP11A	0	0.840158	0.677	0.027	0 CSCL1	ARHGAP11A
NMU	0	0.799026	0.547	0.02	0 CSCL1	NMU
POC1A. 7	0	0.787399	0.706	0.045	0 CSCL1	POC1A
MELK. 7	0	0.785818	0.682	0.035	0 CSCL1	MELK

SHCBP1. 8	0	0. 777015	0. 751	0. 041	0 CSCL1	SHCBP1
OIP5. 5	0	0. 762508	0. 642	0. 031	0 CSCL1	OIP5
DEPDC1B. 3	0	0. 760773	0. 637	0. 025	0 CSCL1	DEPDC1B
TTK. 1	0	0. 72478	0. 597	0. 017	0 CSCL1	TTK
KIAA1524.	0	0. 705204	0. 627	0. 039	0 CSCL1	KIAA1524
SKA3. 1	0	0. 691146	0. 592	0. 026	0 CSCL1	SKA3
KIF18A	0	0. 68761	0. 577	0. 017	0 CSCL1	KIF18A
CASC5. 1	0	0. 682953	0. 602	0. 021	0 CSCL1	CASC5
SKA1. 1	0	0. 680323	0. 627	0. 019	0 CSCL1	SKA1
BUB1B. 1	0	0. 678507	0. 587	0. 016	0 CSCL1	BUB1B
CEP55. 1	0	0. 665354	0. 592	0. 02	0 CSCL1	CEP55
CCNF. 4	0	0. 657602	0. 547	0. 028	0 CSCL1	CCNF
KIF15. 1	0	0. 655605	0. 567	0. 024	0 CSCL1	KIF15
CDCA5. 8	0	0. 654323	0. 612	0. 035	0 CSCL1	CDCA5
RTKN2	0	0. 644317	0. 582	0. 025	0 CSCL1	RTKN2
PARPBP. 2	0	0. 631102	0. 627	0. 036	0 CSCL1	PARPBP
CDC25C. 1	0	0. 621	0. 527	0. 013	0 CSCL1	CDC25C
NCAPH. 3	0	0. 610393	0. 537	0. 027	0 CSCL1	NCAPH
APOBEC3B.	0	0. 602935	0. 532	0. 025	0 CSCL1	APOBEC3B
BORA. 1	0	0. 595103	0. 512	0. 023	0 CSCL1	BORA
DIAPH3. 1	0	0. 547488	0. 512	0. 024	0 CSCL1	DIAPH3
KIF18B. 1	0	0. 530927	0. 463	0. 015	0 CSCL1	KIF18B
TRIP13. 2	#####	0. 639358	0. 597	0. 036	##### CSCL1	TRIP13
CENPK. 8	#####	1. 002205	0. 871	0. 086	##### CSCL1	CENPK
ZWINT. 8	#####	0. 922951	0. 841	0. 08	##### CSCL1	ZWINT
UBE2T. 11	#####	1. 175296	0. 955	0. 112	##### CSCL1	UBE2T
MAD2L1. 8	#####	1. 144552	0. 975	0. 113	##### CSCL1	MAD2L1
FAM72D. 1	#####	0. 388181	0. 353	0. 012	##### CSCL1	FAM72D
TRAIP. 1	#####	0. 492364	0. 478	0. 024	##### CSCL1	TRAIP
SMTN. 1	#####	0. 506053	0. 493	0. 026	##### CSCL1	SMTN
KIF11. 1	#####	0. 476898	0. 458	0. 022	##### CSCL1	KIF11
ASF1B. 8	#####	0. 727549	0. 662	0. 05	##### CSCL1	ASF1B
SPDL1. 5	#####	0. 700215	0. 672	0. 054	##### CSCL1	SPDL1
CENPM. 11	#####	0. 782724	0. 726	0. 062	##### CSCL1	CENPM
PIF1. 6	#####	0. 853983	0. 582	0. 042	##### CSCL1	PIF1
C21orf58.	#####	0. 675274	0. 597	0. 044	##### CSCL1	C21orf58
CENPU. 10	#####	0. 880718	0. 856	0. 092	##### CSCL1	CENPU
CDK1. 9	#####	1. 111053	0. 791	0. 084	##### CSCL1	CDK1
IQGAP3. 1	#####	0. 354761	0. 289	0. 009	##### CSCL1	IQGAP3
MYBL2. 8	#####	0. 575375	0. 532	0. 036	##### CSCL1	MYBL2
FANCI. 6	#####	0. 559584	0. 537	0. 038	##### CSCL1	FANCI
KIF20B. 8	#####	0. 733876	0. 761	0. 075	##### CSCL1	KIF20B
ESCO2. 2	#####	0. 487805	0. 453	0. 027	##### CSCL1	ESCO2
RRM2. 11	#####	0. 67361	0. 632	0. 053	##### CSCL1	RRM2
CENPW. 8	#####	0. 910254	0. 851	0. 105	##### CSCL1	CENPW
EME1. 1	#####	0. 396043	0. 378	0. 019	##### CSCL1	EME1
MND1. 5	#####	0. 495735	0. 512	0. 036	##### CSCL1	MND1
NCAPG2. 5	#####	0. 578716	0. 617	0. 053	##### CSCL1	NCAPG2
PLK4. 1	#####	0. 395062	0. 368	0. 019	##### CSCL1	PLK4
CKAP2. 9	#####	1. 171465	0. 935	0. 155	##### CSCL1	CKAP2
APOLD1. 4	#####	0. 553356	0. 527	0. 04	##### CSCL1	APOLD1

NCAPD2.5	#####	0.565367	0.602	0.054	#####	CSCL1	NCAPD2
ANLN.11	#####	0.501339	0.597	0.053	#####	CSCL1	ANLN
KIAA0101.	#####	0.781224	0.826	0.105	#####	CSCL1	KIAA0101
PTTG1.10	#####	1.44212	0.98	0.217	#####	CSCL1	PTTG1
CCDC34.8	#####	1.000793	0.915	0.154	#####	CSCL1	CCDC34
SMC4.9	#####	1.177951	0.995	0.198	#####	CSCL1	SMC4
GINS1.5	#####	0.51048	0.532	0.046	#####	CSCL1	GINS1
CCDC18.8	#####	0.605103	0.647	0.067	#####	CSCL1	CCDC18
RAD51AP1.	#####	0.581141	0.597	0.057	#####	CSCL1	RAD51AP1
ARHGAP11B	#####	0.531008	0.443	0.031	#####	CSCL1	ARHGAP11B
DBF4.9	#####	0.835332	0.796	0.109	#####	CSCL1	DBF4
LMO7.1	#####	0.484423	0.438	0.031	#####	CSCL1	LMO7
LMNB2.9	#####	0.741693	0.761	0.106	#####	CSCL1	LMNB2
RANGAP1.5	#####	0.639185	0.726	0.092	#####	CSCL1	RANGAP1
TK1.9	#####	0.512477	0.597	0.061	#####	CSCL1	TK1
CIT.1	#####	0.380155	0.393	0.028	#####	CSCL1	CIT
TYMS.9	#####	0.866665	0.891	0.148	#####	CSCL1	TYMS
TNFAIP8L1	#####	0.554811	0.627	0.071	#####	CSCL1	TNFAIP8L1
ETV4.10	#####	0.633094	0.602	0.069	#####	CSCL1	ETV4
CENPH.7	#####	0.714441	0.796	0.114	#####	CSCL1	CENPH
LMNB1.10	#####	0.844236	0.856	0.137	#####	CSCL1	LMNB1
PAX6.8	#####	0.64495	0.592	0.07	#####	CSCL1	PAX6
H2AFX.8	#####	1.110478	0.94	0.207	#####	CSCL1	H2AFX
CDC25B.9	#####	1.075926	0.881	0.182	#####	CSCL1	CDC25B
GPSM2.9	#####	0.88048	0.896	0.164	#####	CSCL1	GPSM2
CEP112.2	#####	0.388701	0.443	0.039	#####	CSCL1	CEP112
MNS1.7	#####	0.513395	0.572	0.066	#####	CSCL1	MNS1
C14orf80.	#####	0.455879	0.532	0.057	#####	CSCL1	C14orf80
CKAP5.10	#####	0.75706	0.821	0.145	#####	CSCL1	CKAP5
WDR62	#####	0.291936	0.313	0.02	#####	CSCL1	WDR62
INCENP.1	#####	0.326542	0.313	0.02	#####	CSCL1	INCENP
MTFR2.1	#####	0.285678	0.269	0.015	#####	CSCL1	MTFR2
LRR1.5	#####	0.512605	0.612	0.077	#####	CSCL1	LRR1
PKN3.1	#####	0.253839	0.234	0.011	#####	CSCL1	PKN3
CEP70.7	#####	0.605128	0.647	0.088	#####	CSCL1	CEP70
SAP30L.7	#####	0.696578	0.602	0.083	#####	CSCL1	SAP30L
KIF22.7	#####	0.751051	0.935	0.184	#####	CSCL1	KIF22
RDM1.1	#####	0.224408	0.179	0.006	#####	CSCL1	RDM1
SMC2.8	#####	0.869474	0.91	0.187	#####	CSCL1	SMC2
RNF26.6	#####	0.684033	0.811	0.146	#####	CSCL1	RNF26
CENPO.1	#####	0.373022	0.413	0.038	#####	CSCL1	CENPO
MIS18A.6	#####	0.559858	0.667	0.096	#####	CSCL1	MIS18A
CRNDE.7	#####	0.762633	0.856	0.167	#####	CSCL1	CRNDE
PHF19.8	#####	0.629007	0.726	0.119	#####	CSCL1	PHF19
EMC9.4	#####	0.763299	0.836	0.166	#####	CSCL1	EMC9
ORC6.8	#####	0.547138	0.602	0.082	#####	CSCL1	ORC6
ODF2.6	#####	0.585051	0.731	0.122	#####	CSCL1	ODF2
CEP135.5	#####	0.450909	0.557	0.072	#####	CSCL1	CEP135
SCLT1.4	#####	0.437227	0.507	0.06	#####	CSCL1	SCLT1
C8orf88.1	#####	0.362566	0.393	0.039	#####	CSCL1	C8orf88
BRCA1.2	#####	0.379829	0.453	0.049	#####	CSCL1	BRCA1

CENPL. 2	#####	0.341774	0.433	0.045	#####	CSCL1	CENPL
UBE2S. 9	#####	1.155659	0.94	0.334	#####	CSCL1	UBE2S
GGH. 9	#####	0.875258	0.965	0.251	#####	CSCL1	GGH
TMPO. 10	#####	0.739482	0.886	0.182	#####	CSCL1	TMPO
SPA17. 8	#####	0.481025	0.542	0.072	#####	CSCL1	SPA17
ITGB3BP. 8	#####	0.590214	0.746	0.133	#####	CSCL1	ITGB3BP
PKMYT1. 6	#####	0.395165	0.383	0.037	#####	CSCL1	PKMYT1
CKS1B. 7	#####	0.892792	0.93	0.247	#####	CSCL1	CKS1B
ANP32E. 10	#####	0.888362	0.945	0.256	#####	CSCL1	ANP32E
PAK4. 6	#####	0.570384	0.652	0.106	#####	CSCL1	PAK4
ZWILCH. 5	#####	0.413687	0.522	0.067	#####	CSCL1	ZWILCH
BCL2L12. 7	#####	0.646131	0.667	0.118	#####	CSCL1	BCL2L12
RNASEH2A.	#####	0.732224	0.881	0.199	#####	CSCL1	RNASEH2A
DBF4B	#####	0.349853	0.338	0.031	#####	CSCL1	DBF4B
TIMELESS.	#####	0.383767	0.463	0.055	#####	CSCL1	TIMELESS
DTYMK. 11	#####	0.903832	0.975	0.318	#####	CSCL1	DTYMK
ARHGEF39.	#####	0.283481	0.244	0.016	#####	CSCL1	ARHGEF39
REEP4. 11	#####	0.639229	0.811	0.156	#####	CSCL1	REEP4
USP13. 6	#####	0.406779	0.498	0.065	#####	CSCL1	USP13
RHN01. 6	#####	0.642309	0.846	0.184	#####	CSCL1	RHN01
FBX05. 6	#####	0.674474	0.567	0.088	#####	CSCL1	FBX05
AC004381.	#####	0.335256	0.289	0.023	#####	CSCL1	AC004381.6
SOGA1. 10	#####	0.673875	0.731	0.145	#####	CSCL1	SOGA1
MZT1. 6	#####	0.795046	0.935	0.244	#####	CSCL1	MZT1
G2E3. 2	#####	0.502192	0.602	0.095	#####	CSCL1	G2E3
FANCD2. 1	#####	0.316854	0.338	0.032	#####	CSCL1	FANCD2
HMGB3. 11	#####	0.873673	0.96	0.267	#####	CSCL1	HMGB3
RFC3. 6	#####	0.455464	0.547	0.08	#####	CSCL1	RFC3
CENPQ. 3	#####	0.456171	0.582	0.09	#####	CSCL1	CENPQ
C5orf34. 1	#####	0.277362	0.264	0.02	#####	CSCL1	C5orf34
DHFR. 8	#####	0.585119	0.726	0.141	#####	CSCL1	DHFR
CTC-260E6	#####	0.227054	0.264	0.02	#####	CSCL1	CTC-260E6.6
BRCA2. 4	#####	0.347271	0.378	0.04	#####	CSCL1	BRCA2
CHTF18. 1	#####	0.333709	0.383	0.042	#####	CSCL1	CHTF18
CCDC150	#####	0.212106	0.234	0.016	#####	CSCL1	CCDC150
WDR34. 8	#####	0.684542	0.826	0.196	1.71E-99	CSCL1	WDR34
HAUS8. 4	#####	0.407495	0.517	0.075	2.46E-99	CSCL1	HAUS8
ZNF530. 5	#####	0.379958	0.423	0.053	1.91E-98	CSCL1	ZNF530
EZH2. 11	#####	0.599877	0.731	0.143	2.07E-98	CSCL1	EZH2
EFCAB11. 3	#####	0.325868	0.428	0.054	1.10E-97	CSCL1	EFCAB11
PSRC1. 9	#####	0.773291	0.905	0.253	5.36E-97	CSCL1	PSRC1
SYDE1. 7	#####	0.395987	0.458	0.063	8.71E-97	CSCL1	SYDE1
CEP57L1. 7	#####	0.428096	0.597	0.102	2.68E-96	CSCL1	CEP57L1
PDGFC. 7	#####	0.495938	0.617	0.111	6.94E-96	CSCL1	PDGFC
TRIOBP. 5	3.30E-99	0.414098	0.522	0.081	4.94E-95	CSCL1	TRIOBP
CDC45. 4	4.72E-98	0.283641	0.313	0.031	7.05E-94	CSCL1	CDC45
STIL. 1	2.69E-97	0.218494	0.219	0.015	4.02E-93	CSCL1	STIL
TBC1D31	1.30E-96	0.289566	0.303	0.029	1.95E-92	CSCL1	TBC1D31
SLC47A1. 1	1.55E-96	0.305821	0.323	0.034	2.32E-92	CSCL1	SLC47A1
METTL4. 2	3.39E-95	0.335185	0.468	0.067	5.07E-91	CSCL1	METTL4
MGME1. 4	3.43E-95	0.494848	0.687	0.138	5.12E-91	CSCL1	MGME1



SCARA3.9	7.65E-95	0.505365	0.657	0.129	1.14E-90	CSCL1	SCARA3
E2F5.6	7.77E-94	0.333766	0.428	0.059	1.16E-89	CSCL1	E2F5
NT5DC2.8	2.20E-93	0.547365	0.721	0.154	3.29E-89	CSCL1	NT5DC2
C18orf54	2.48E-93	0.20873	0.219	0.016	3.70E-89	CSCL1	C18orf54
TMEM97.9	3.29E-93	0.507654	0.751	0.162	4.92E-89	CSCL1	TMEM97
HIST1H2BH	1.13E-92	0.226016	0.244	0.02	1.69E-88	CSCL1	HIST1H2BH
ZMYM1.1	1.15E-92	0.314291	0.363	0.043	1.72E-88	CSCL1	ZMYM1
FBLN7.2	1.42E-92	0.331652	0.353	0.042	2.12E-88	CSCL1	FBLN7
ATAD5.5	2.18E-92	0.392863	0.468	0.068	3.26E-88	CSCL1	ATAD5
CDKN2D.9	2.67E-92	0.585497	0.711	0.15	3.99E-88	CSCL1	CDKN2D
CKS2.11	1.06E-91	0.872176	0.95	0.356	1.58E-87	CSCL1	CKS2
MIS18BP1.	8.16E-90	0.445795	0.697	0.137	1.22E-85	CSCL1	MIS18BP1
GNG4.11	1.14E-89	0.480204	0.587	0.108	1.70E-85	CSCL1	GNG4
HDGF.6	2.75E-89	0.669954	0.9	0.262	4.10E-85	CSCL1	HDGF
ASRGL1.1C	4.06E-89	0.599355	0.806	0.19	6.07E-85	CSCL1	ASRGL1
FAM122B.3	4.80E-89	0.411613	0.537	0.092	7.17E-85	CSCL1	FAM122B
GRK6.6	6.21E-89	0.473744	0.637	0.126	9.29E-85	CSCL1	GRK6
ALYREF.1C	6.90E-89	0.556244	0.647	0.137	1.03E-84	CSCL1	ALYREF
ACYP1.7	1.84E-88	0.529616	0.736	0.167	2.75E-84	CSCL1	ACYP1
SKA2.10	2.57E-88	0.763834	0.905	0.296	3.84E-84	CSCL1	SKA2
CBR3.7	3.42E-88	0.463207	0.547	0.098	5.10E-84	CSCL1	CBR3
SUV39H2.2	2.00E-87	0.300081	0.403	0.055	2.99E-83	CSCL1	SUV39H2
KIAA0586.	2.28E-87	0.319566	0.433	0.063	3.41E-83	CSCL1	KIAA0586
LCORL.2	2.05E-86	0.329717	0.532	0.09	3.06E-82	CSCL1	LCORL
RAD54L.1	3.24E-86	0.22364	0.204	0.015	4.84E-82	CSCL1	RAD54L
CSE1L.9	3.80E-86	0.567969	0.831	0.212	5.67E-82	CSCL1	CSE1L
PDGFRA.11	4.46E-86	0.531951	0.662	0.139	6.66E-82	CSCL1	PDGFRA
TPM2.9	4.47E-86	0.795944	0.667	0.154	6.68E-82	CSCL1	TPM2
ATAD2.7	4.96E-86	0.394466	0.453	0.069	7.42E-82	CSCL1	ATAD2
CEP152.1	9.93E-86	0.279457	0.279	0.028	1.48E-81	CSCL1	CEP152
GAS1.12	8.64E-85	0.628706	0.637	0.136	1.29E-80	CSCL1	GAS1
TMSB15B.1	2.02E-84	0.511232	0.751	0.171	3.01E-80	CSCL1	TMSB15B
ARHGAP33.	7.78E-84	0.360506	0.473	0.075	1.16E-79	CSCL1	ARHGAP33
XRCC2.2	1.60E-83	0.272323	0.318	0.037	2.38E-79	CSCL1	XRCC2
TMEM237.9	3.68E-83	0.499971	0.751	0.177	5.50E-79	CSCL1	TMEM237
VRK1.4	4.08E-83	0.391512	0.532	0.094	6.10E-79	CSCL1	VRK1
ZNF724P	7.88E-83	0.226396	0.279	0.029	1.18E-78	CSCL1	ZNF724P
ARSJ.10	8.47E-83	0.479808	0.592	0.117	1.27E-78	CSCL1	ARSJ
CIB2.8	1.01E-82	0.401977	0.443	0.071	1.51E-78	CSCL1	CIB2
LHX2.10	1.50E-82	0.631042	0.587	0.122	2.24E-78	CSCL1	LHX2
EXOSC6.1	2.43E-82	0.258793	0.403	0.058	3.63E-78	CSCL1	EXOSC6
NEURL1B.1	4.40E-82	0.291605	0.264	0.026	6.57E-78	CSCL1	NEURL1B
KPNA2.8	5.99E-82	0.808027	0.945	0.345	8.96E-78	CSCL1	KPNA2
CHEK1.5	9.96E-82	0.388747	0.458	0.073	1.49E-77	CSCL1	CHEK1
MCM8.1	1.52E-81	0.234039	0.308	0.035	2.28E-77	CSCL1	MCM8
RCC1.4	1.67E-81	0.3554	0.522	0.092	2.50E-77	CSCL1	RCC1
LBR.8	3.63E-80	0.561064	0.846	0.222	5.42E-76	CSCL1	LBR
DESI2.6	5.01E-80	0.555743	0.741	0.185	7.49E-76	CSCL1	DESI2
WEE1.8	6.99E-80	0.479135	0.652	0.141	1.04E-75	CSCL1	WEE1
CCDC74A.7	1.29E-79	0.334239	0.338	0.043	1.93E-75	CSCL1	CCDC74A
HMGB2.11	1.54E-79	0.777444	1	0.486	2.30E-75	CSCL1	HMGB2

GCAT. 10	1. 58E-79	0. 500028	0. 667	0. 152	2. 37E-75	CSCL1	GCAT
TUBB6. 9	3. 56E-79	0. 485835	0. 721	0. 175	5. 32E-75	CSCL1	TUBB6
NUP35. 6	3. 67E-79	0. 384406	0. 552	0. 104	5. 48E-75	CSCL1	NUP35
ERI2. 1	4. 01E-79	0. 304324	0. 353	0. 047	5. 99E-75	CSCL1	ERI2
NDC1. 1	5. 79E-79	0. 302716	0. 383	0. 055	8. 66E-75	CSCL1	NDC1
C12orf75. 8	4. 41E-79	0. 461967	0. 761	0. 183	1. 26E-74	CSCL1	C12orf75
SOX21. 8	8. 49E-79	0. 413581	0. 488	0. 086	1. 27E-74	CSCL1	SOX21
NDE1. 6	1. 11E-78	0. 385072	0. 527	0. 098	1. 67E-74	CSCL1	NDE1
QSER1. 8	1. 73E-78	0. 405159	0. 562	0. 11	2. 58E-74	CSCL1	QSER1
TLE1. 10	2. 69E-78	0. 511243	0. 692	0. 161	4. 02E-74	CSCL1	TLE1
DCAF15. 3	7. 72E-78	0. 397582	0. 537	0. 103	1. 15E-73	CSCL1	DCAF15
CCSAP. 5	9. 60E-78	0. 357838	0. 512	0. 092	1. 44E-73	CSCL1	CCSAP
IGFBP4. 5	1. 13E-77	0. 29464	0. 403	0. 06	1. 69E-73	CSCL1	IGFBP4
DSN1. 5	1. 28E-77	0. 376275	0. 512	0. 092	1. 91E-73	CSCL1	DSN1
GEN1	1. 63E-77	0. 212566	0. 229	0. 021	2. 43E-73	CSCL1	GEN1
PPP2R5D. 2	4. 45E-77	0. 320877	0. 428	0. 068	6. 65E-73	CSCL1	PPP2R5D
CDC27. 5	5. 59E-77	0. 4702	0. 667	0. 154	8. 36E-73	CSCL1	CDC27
CNTRL. 8	7. 55E-77	0. 350486	0. 572	0. 11	1. 13E-72	CSCL1	CNTRL
UBALD2. 6	1. 10E-76	0. 740844	0. 801	0. 25	1. 64E-72	CSCL1	UBALD2
CTHRC1. 8	1. 20E-76	0. 396239	0. 388	0. 059	1. 80E-72	CSCL1	CTHRC1
CDCA4. 7	1. 53E-76	0. 327933	0. 473	0. 081	2. 28E-72	CSCL1	CDCA4
THOP1. 9	2. 68E-76	0. 523671	0. 751	0. 192	4. 00E-72	CSCL1	THOP1
TMEM54. 9	8. 96E-76	0. 515462	0. 746	0. 186	1. 34E-71	CSCL1	TMEM54
TEX30. 6	1. 51E-75	0. 439187	0. 677	0. 156	2. 26E-71	CSCL1	TEX30
ILVBL. 6	1. 51E-75	0. 533058	0. 846	0. 241	2. 26E-71	CSCL1	ILVBL
TUBG1. 9	3. 91E-75	0. 521158	0. 811	0. 224	5. 84E-71	CSCL1	TUBG1
BARD1. 8	4. 17E-75	0. 461019	0. 627	0. 138	6. 23E-71	CSCL1	BARD1
PKP4. 6	7. 81E-75	0. 235275	0. 353	0. 049	1. 17E-70	CSCL1	PKP4
CEP78. 9	8. 02E-75	0. 347668	0. 547	0. 106	1. 20E-70	CSCL1	CEP78
DRAXIN. 11	1. 42E-74	0. 476188	0. 642	0. 144	2. 13E-70	CSCL1	DRAXIN
SOCS2. 9	1. 34E-73	0. 58366	0. 632	0. 148	2. 01E-69	CSCL1	SOCS2
CENPJ. 6	1. 39E-73	0. 307255	0. 393	0. 06	2. 08E-69	CSCL1	CENPJ
PSMC3IP. 8	1. 49E-73	0. 352114	0. 408	0. 064	2. 22E-69	CSCL1	PSMC3IP
FAM110A. 6	2. 45E-73	0. 305686	0. 423	0. 067	3. 66E-69	CSCL1	FAM110A
ELOVL2. 11	2. 47E-73	0. 393852	0. 488	0. 091	3. 68E-69	CSCL1	ELOVL2
CHN1. 11	3. 92E-73	0. 512364	0. 776	0. 206	5. 86E-69	CSCL1	CHN1
NCAPD3. 1	5. 52E-73	0. 285232	0. 448	0. 076	8. 25E-69	CSCL1	NCAPD3
RBM38. 8	6. 65E-73	0. 400346	0. 592	0. 128	9. 94E-69	CSCL1	RBM38
IFT81. 9	1. 36E-72	0. 460442	0. 647	0. 15	2. 03E-68	CSCL1	IFT81
RAD21. 10	1. 71E-72	0. 666476	0. 955	0. 356	2. 56E-68	CSCL1	RAD21
NRGN. 1	2. 70E-72	0. 241864	0. 289	0. 035	4. 04E-68	CSCL1	NRGN
FZR1. 6	2. 98E-72	0. 457411	0. 632	0. 147	4. 45E-68	CSCL1	FZR1
PRPSAP1. 1	4. 29E-72	0. 630025	0. 881	0. 296	6. 41E-68	CSCL1	PRPSAP1
CHAF1A. 6	5. 06E-72	0. 366925	0. 463	0. 082	7. 56E-68	CSCL1	CHAF1A
CRAT. 5	7. 48E-72	0. 398651	0. 657	0. 152	1. 12E-67	CSCL1	CRAT
SASS6. 3	8. 65E-72	0. 255684	0. 373	0. 056	1. 29E-67	CSCL1	SASS6
SAE1. 7	1. 51E-71	0. 55212	0. 871	0. 263	2. 26E-67	CSCL1	SAE1
PGP. 6	1. 57E-71	0. 503668	0. 786	0. 209	2. 34E-67	CSCL1	PGP
SEPHS1. 6	1. 79E-71	0. 355052	0. 527	0. 106	2. 67E-67	CSCL1	SEPHS1
TMPO-AS1. 6	4. 8E-71	0. 199674	0. 249	0. 027	9. 69E-67	CSCL1	TMPO-AS1
GMNN. 9	9. 56E-71	0. 376005	0. 706	0. 167	1. 43E-66	CSCL1	GMNN

WHSC1.8	9.57E-71	0.404175	0.637	0.145	1.43E-66	CSCL1	WHSC1
FOPNL.5	1.51E-70	0.375777	0.736	0.184	2.26E-66	CSCL1	FOPNL
HIST1H1B.	1.60E-70	0.161047	0.129	0.007	2.40E-66	CSCL1	HIST1H1B
RANGRF.4	2.13E-70	0.406953	0.761	0.201	3.19E-66	CSCL1	RANGRF
COL4A2.9	2.99E-70	0.469966	0.557	0.121	4.47E-66	CSCL1	COL4A2
PCBD2.5	4.49E-70	0.312687	0.438	0.077	6.70E-66	CSCL1	PCBD2
DMRTA2.7	6.43E-70	0.358166	0.413	0.07	9.61E-66	CSCL1	DMRTA2
C2orf80.1	9.53E-70	0.483498	0.537	0.112	1.42E-65	CSCL1	C2orf80
SEPT10.4	9.96E-70	0.382171	0.537	0.11	1.49E-65	CSCL1	10-Sep
COL4A1.9	1.28E-69	0.459227	0.507	0.104	1.91E-65	CSCL1	COL4A1
CNTROB.2	1.67E-69	0.299338	0.408	0.068	2.49E-65	CSCL1	CNTROB
WDR54.8	1.71E-69	0.449065	0.816	0.223	2.56E-65	CSCL1	WDR54
ERI1.2	2.68E-69	0.343868	0.522	0.105	4.00E-65	CSCL1	ERI1
CDC7.2	4.99E-69	0.269944	0.289	0.036	7.46E-65	CSCL1	CDC7
PPP1R35.1	7.19E-69	0.43703	0.632	0.149	1.07E-64	CSCL1	PPP1R35
POU3F2.1C	8.40E-69	0.646653	0.746	0.207	1.25E-64	CSCL1	POU3F2
EXOSC8.1C	1.22E-68	0.470155	0.915	0.278	1.83E-64	CSCL1	EXOSC8
CDKN2C.8	1.79E-68	0.742989	0.801	0.273	2.67E-64	CSCL1	CDKN2C
UACA.3	1.88E-68	0.235917	0.383	0.061	2.81E-64	CSCL1	UACA
TMEM106C.	1.99E-68	0.557667	0.821	0.257	2.97E-64	CSCL1	TMEM106C
FTL.12	2.51E-68	-0.63606	1	0.994	3.76E-64	CSCL1	FTL
ZNF726	4.55E-68	0.234274	0.229	0.024	6.80E-64	CSCL1	ZNF726
SNX21.6	6.47E-68	0.383381	0.527	0.111	9.66E-64	CSCL1	SNX21
RFC5.4	8.93E-68	0.294615	0.458	0.083	1.34E-63	CSCL1	RFC5
POSTN.11	9.51E-68	0.591877	0.557	0.122	1.42E-63	CSCL1	POSTN
MRGBP.6	1.88E-67	0.402348	0.602	0.139	2.81E-63	CSCL1	MRGBP
NCAPH2.5	3.49E-67	0.339795	0.567	0.122	5.22E-63	CSCL1	NCAPH2
NUDT6.2	4.53E-67	0.28476	0.388	0.064	6.78E-63	CSCL1	NUDT6
FSTL1.9	5.26E-67	0.390726	0.512	0.107	7.87E-63	CSCL1	FSTL1
ZNF771.8	6.64E-67	0.423227	0.597	0.138	9.92E-63	CSCL1	ZNF771
MDC1.1	8.30E-67	0.256807	0.358	0.056	1.24E-62	CSCL1	MDC1
C17orf53.	1.51E-66	0.179226	0.179	0.015	2.26E-62	CSCL1	C17orf53
ETV1.12	1.90E-66	0.521626	0.816	0.234	2.84E-62	CSCL1	ETV1
KCNF1.12	3.27E-66	0.520067	0.537	0.116	4.89E-62	CSCL1	KCNF1
DLEU1.5	8.02E-66	0.325618	0.443	0.083	1.20E-61	CSCL1	DLEU1
CCDC15	8.29E-66	0.217807	0.259	0.031	1.24E-61	CSCL1	CCDC15
H1FX-AS1	1.02E-65	0.194793	0.199	0.019	1.52E-61	CSCL1	H1FX-AS1
PITPNC1.7	1.10E-65	0.433008	0.532	0.116	1.64E-61	CSCL1	PITPNC1
CMC2.7	1.21E-65	0.479422	0.915	0.294	1.80E-61	CSCL1	CMC2
MAGOHB.7	2.21E-65	0.429162	0.811	0.228	3.30E-61	CSCL1	MAGOHB
ENC1.11	2.51E-65	0.498833	0.781	0.214	3.76E-61	CSCL1	ENC1
ITGA2.9	3.22E-65	0.371221	0.353	0.057	4.82E-61	CSCL1	ITGA2
CPNE4.9	3.23E-65	0.413112	0.448	0.086	4.83E-61	CSCL1	CPNE4
FZD2.1	4.29E-65	0.210204	0.279	0.036	6.41E-61	CSCL1	FZD2
PXMP2.10	4.36E-65	0.475453	0.766	0.214	6.51E-61	CSCL1	PXMP2
MAZ.9	4.92E-65	0.484602	0.826	0.24	7.35E-61	CSCL1	MAZ
GNG12.9	5.50E-65	0.372546	0.572	0.13	8.22E-61	CSCL1	GNG12
ITGA7.10	6.03E-65	0.397631	0.577	0.129	9.00E-61	CSCL1	ITGA7
TMEM158.1	9.97E-65	0.504828	0.567	0.132	1.49E-60	CSCL1	TMEM158
NRM.4	1.12E-64	0.327284	0.428	0.078	1.67E-60	CSCL1	NRM
FREM2.8	1.39E-64	0.314294	0.373	0.062	2.07E-60	CSCL1	FREM2

IMMP1L.1C	1.	65E-64	0.409455	0.786	0.222	2.47E-60	CSCL1	IMMP1L
GPC1.10	1.	75E-64	0.662908	0.771	0.228	2.61E-60	CSCL1	GPC1
LGR4.11	1.	97E-64	0.405813	0.473	0.096	2.95E-60	CSCL1	LGR4
SLC35D2.6	3.	11E-64	0.354272	0.468	0.094	4.65E-60	CSCL1	SLC35D2
BCL7C.7	4.	14E-64	0.523994	0.811	0.245	6.19E-60	CSCL1	BCL7C
TRAF3IP2.4	4.	17E-64	0.33543	0.458	0.089	6.23E-60	CSCL1	TRAF3IP2
CEP128.1	4.	25E-64	0.123834	0.184	0.016	6.35E-60	CSCL1	CEP128
NUP37.5	4.	52E-64	0.337611	0.557	0.123	6.75E-60	CSCL1	NUP37
MPHOSPH9.5	5.	05E-64	0.33692	0.522	0.11	7.54E-60	CSCL1	MPHOSPH9
TNFRSF19.8	8.	95E-64	0.341341	0.483	0.098	1.34E-59	CSCL1	TNFRSF19
TUBB4B.6	1.	01E-63	0.605747	0.99	0.483	1.51E-59	CSCL1	TUBB4B
CCHCR1.3	1.	03E-63	0.2562	0.403	0.07	1.54E-59	CSCL1	CCHCR1
NIF3L1.3	2.	00E-63	0.307479	0.532	0.113	2.99E-59	CSCL1	NIF3L1
SUGP2.8	2.	06E-63	0.470245	0.801	0.237	3.08E-59	CSCL1	SUGP2
TM4SF1.12	2.	69E-63	0.387172	0.502	0.106	4.01E-59	CSCL1	TM4SF1
CHEK2.5	3.	52E-63	0.180809	0.308	0.044	5.26E-59	CSCL1	CHEK2
EXO1.1	4.	03E-63	0.182414	0.169	0.014	6.02E-59	CSCL1	EXO1
TRIM69.5	4.	13E-63	0.398496	0.706	0.189	6.18E-59	CSCL1	TRIM69
SSX2IP.4	5.	71E-63	0.316142	0.458	0.09	8.54E-59	CSCL1	SSX2IP
SAC3D1.1C	1.	03E-62	0.418129	0.642	0.162	1.54E-58	CSCL1	SAC3D1
PALLD.8	1.	08E-62	0.485062	0.701	0.189	1.61E-58	CSCL1	PALLD
FBXO43	1.	19E-62	0.123705	0.124	0.008	1.78E-58	CSCL1	FBXO43
FZD7.9	1.	92E-62	0.406131	0.453	0.091	2.88E-58	CSCL1	FZD7
NES.12	2.	02E-62	0.661552	0.856	0.266	3.03E-58	CSCL1	NES
RUVBL2.7	2.	45E-62	0.512597	0.91	0.307	3.66E-58	CSCL1	RUVBL2
SUV39H1.1	2.	71E-62	0.189708	0.254	0.031	4.05E-58	CSCL1	SUV39H1
SLC16A14	3.	10E-62	0.176783	0.229	0.026	4.64E-58	CSCL1	SLC16A14
SAP30.7	4.	29E-62	0.533412	0.776	0.231	6.42E-58	CSCL1	SAP30
KRI1.3	5.	02E-62	0.299489	0.478	0.097	7.50E-58	CSCL1	KRI1
FAM111A.7	5.	04E-62	0.310007	0.498	0.103	7.54E-58	CSCL1	FAM111A
RFWD3.3	6.	17E-62	0.237702	0.338	0.053	9.21E-58	CSCL1	RFWD3
FEN1.5	7.	98E-62	0.403915	0.562	0.129	1.19E-57	CSCL1	FEN1
RRM1.8	1.	68E-61	0.434369	0.677	0.176	2.51E-57	CSCL1	RRM1
DAZAP1.4	2.	36E-61	0.425614	0.776	0.222	3.52E-57	CSCL1	DAZAP1
TCF19.2	2.	41E-61	0.227726	0.303	0.044	3.61E-57	CSCL1	TCF19
NBPF1.10	2.	47E-61	0.45144	0.786	0.226	3.69E-57	CSCL1	NBPF1
ACSS3.10	2.	90E-61	0.366563	0.488	0.105	4.34E-57	CSCL1	ACSS3
DHRS11.9	7.	67E-61	0.330743	0.468	0.096	1.15E-56	CSCL1	DHRS11
EYA2.4	8.	24E-61	0.289447	0.398	0.072	1.23E-56	CSCL1	EYA2
GJC1.7	8.	54E-61	0.262496	0.353	0.059	1.28E-56	CSCL1	GJC1
IFT122.1	8.	58E-61	0.218866	0.328	0.051	1.28E-56	CSCL1	IFT122
RHEBL1	9.	07E-61	0.149293	0.169	0.015	1.36E-56	CSCL1	RHEBL1
SACS.9	9.	88E-61	0.394475	0.607	0.147	1.48E-56	CSCL1	SACS
EPOR.7	1.	10E-60	0.242606	0.373	0.064	1.64E-56	CSCL1	EPOR
ERCC6L	1.	18E-60	0.107772	0.09	0.004	1.77E-56	CSCL1	ERCC6L
ASAP2.8	2.	29E-60	0.340172	0.443	0.089	3.43E-56	CSCL1	ASAP2
RAC3.11	3.	99E-60	0.490192	0.652	0.175	5.97E-56	CSCL1	RAC3
TRIM7.1	6.	03E-60	0.242327	0.279	0.039	9.01E-56	CSCL1	TRIM7
YPEL1.10	6.	57E-60	0.260873	0.448	0.087	9.82E-56	CSCL1	YPEL1
CHST2.9	1.	03E-59	0.418839	0.547	0.129	1.54E-55	CSCL1	CHST2
STK11.3	1.	20E-59	0.305908	0.443	0.088	1.79E-55	CSCL1	STK11

NQ01. 8	1. 43E-59	0. 294063	0. 483	0. 102	2. 13E-55	CSCL1	NQ01
ZEB1. 11	1. 85E-59	0. 406449	0. 692	0. 184	2. 77E-55	CSCL1	ZEB1
HABP4. 7	2. 86E-59	0. 335404	0. 507	0. 112	4. 27E-55	CSCL1	HABP4
NCKAP1. 9	3. 59E-59	0. 374676	0. 682	0. 18	5. 37E-55	CSCL1	NCKAP1
TDP1. 2	3. 65E-59	0. 220257	0. 338	0. 055	5. 46E-55	CSCL1	TDP1
C2orf69. 9	3. 69E-59	0. 405807	0. 692	0. 185	5. 51E-55	CSCL1	C2orf69
COQ2. 11	3. 85E-59	0. 310408	0. 677	0. 171	5. 75E-55	CSCL1	COQ2
EPHB4. 1	4. 10E-59	0. 184353	0. 219	0. 025	6. 13E-55	CSCL1	EPHB4
IKBIP. 10	4. 36E-59	0. 340733	0. 771	0. 217	6. 52E-55	CSCL1	IKBIP
LAMB1. 7	7. 11E-59	0. 278636	0. 463	0. 095	1. 06E-54	CSCL1	LAMB1
CEP44. 2	1. 16E-58	0. 193129	0. 358	0. 06	1. 74E-54	CSCL1	CEP44
C16orf59. 1	1. 28E-58	0. 241741	0. 284	0. 04	1. 91E-54	CSCL1	C16orf59
NUDT1. 5	2. 04E-58	0. 495541	0. 97	0. 34	3. 05E-54	CSCL1	NUDT1
MCM10. 1	2. 19E-58	0. 190668	0. 194	0. 02	3. 27E-54	CSCL1	MCM10
RP11-798M	2. 24E-58	0. 287089	0. 592	0. 141	3. 34E-54	CSCL1	RP11-798M19. 6
BMP7. 12	2. 26E-58	0. 415193	0. 622	0. 158	3. 37E-54	CSCL1	BMP7
HIST2H2AC	2. 63E-58	0. 322867	0. 323	0. 053	3. 94E-54	CSCL1	HIST2H2AC
XRCC4. 2	2. 65E-58	0. 264069	0. 468	0. 096	3. 97E-54	CSCL1	XRCC4
CEP72	3. 33E-58	0. 163432	0. 174	0. 016	4. 98E-54	CSCL1	CEP72
COL9A3. 11	3. 99E-58	0. 580145	0. 647	0. 178	5. 96E-54	CSCL1	COL9A3
R3HDM1. 5	4. 80E-58	0. 334448	0. 527	0. 12	7. 17E-54	CSCL1	R3HDM1
EFNB2. 10	6. 01E-58	0. 341253	0. 453	0. 093	8. 97E-54	CSCL1	EFNB2
STK39. 8	6. 40E-58	0. 30944	0. 458	0. 095	9. 56E-54	CSCL1	STK39
DPP4. 9	7. 55E-58	0. 275191	0. 388	0. 072	1. 13E-53	CSCL1	DPP4
POC5. 1	9. 14E-58	0. 196557	0. 303	0. 046	1. 37E-53	CSCL1	POC5
CANT1. 5	1. 16E-57	0. 362985	0. 637	0. 167	1. 74E-53	CSCL1	CANT1
FDXR. 4	1. 23E-57	0. 29256	0. 493	0. 107	1. 83E-53	CSCL1	FDXR
CENPV. 11	2. 22E-57	0. 532306	0. 796	0. 245	3. 31E-53	CSCL1	CENPV
TMX4. 8	2. 96E-57	0. 442975	0. 786	0. 236	4. 42E-53	CSCL1	TMX4
CDK5RAP2. 3	4. 7E-57	0. 293994	0. 488	0. 106	5. 18E-53	CSCL1	CDK5RAP2
H2AFV. 9	5. 35E-57	0. 575269	1	0. 514	7. 99E-53	CSCL1	H2AFV
MAD2L2. 9	1. 29E-56	0. 552282	0. 955	0. 382	1. 92E-52	CSCL1	MAD2L2
DDX39A. 7	1. 54E-56	0. 517517	0. 98	0. 382	2. 31E-52	CSCL1	DDX39A
UBL7-AS1. 1	1. 62E-56	0. 227867	0. 318	0. 051	2. 42E-52	CSCL1	UBL7-AS1
B9D1. 7	1. 83E-56	0. 281852	0. 448	0. 094	2. 73E-52	CSCL1	B9D1
PRR7. 11	4. 82E-56	0. 455563	0. 657	0. 18	7. 20E-52	CSCL1	PRR7
ID1. 8	4. 86E-56	0. 404668	0. 502	0. 114	7. 26E-52	CSCL1	ID1
OSBPL6. 7	4. 88E-56	0. 400988	0. 587	0. 149	7. 30E-52	CSCL1	OSBPL6
PRRX1. 11	7. 71E-56	0. 384762	0. 627	0. 163	1. 15E-51	CSCL1	PRRX1
SQLE. 9	8. 11E-56	0. 431481	0. 796	0. 239	1. 21E-51	CSCL1	SQLE
DNALI1. 9	1. 04E-55	0. 318466	0. 478	0. 106	1. 55E-51	CSCL1	DNALI1
ASCL1. 10	1. 10E-55	0. 45908	0. 662	0. 177	1. 65E-51	CSCL1	ASCL1
RP11-111M	1. 18E-55	0. 306001	0. 433	0. 09	1. 76E-51	CSCL1	RP11-111M22. 3
SOX9. 11	1. 18E-55	0. 637117	0. 801	0. 262	1. 76E-51	CSCL1	SOX9
PTRF. 12	1. 59E-55	0. 435705	0. 642	0. 177	2. 38E-51	CSCL1	PTRF
CNOT3. 6	1. 73E-55	0. 344622	0. 602	0. 155	2. 59E-51	CSCL1	CNOT3
BBOX1. 11	3. 08E-55	0. 266277	0. 537	0. 13	4. 61E-51	CSCL1	BBOX1
DNAJC9. 6	3. 87E-55	0. 255296	0. 622	0. 154	5. 78E-51	CSCL1	DNAJC9
ASXL1. 7	6. 17E-55	0. 367852	0. 632	0. 169	9. 23E-51	CSCL1	ASXL1
BOC. 9	6. 63E-55	0. 26297	0. 408	0. 081	9. 91E-51	CSCL1	BOC
MFGE8. 8	1. 06E-54	0. 398528	0. 657	0. 182	1. 58E-50	CSCL1	MFGE8

GPX8. 11	1. 06E-54	0. 223229	0. 333	0. 058	1. 58E-50	CSCL1	GPX8
GLRX5. 9	1. 18E-54	0. 545538	0. 806	0. 287	1. 76E-50	CSCL1	GLRX5
PITPNA-AS	1. 49E-54	0. 322024	0. 682	0. 187	2. 23E-50	CSCL1	PITPNA-AS1
LAMC1. 8	1. 98E-54	0. 30483	0. 448	0. 096	2. 96E-50	CSCL1	LAMC1
SMARCA1. 9	2. 06E-54	0. 35194	0. 622	0. 163	3. 08E-50	CSCL1	SMARCA1
JAG1. 10	2. 69E-54	0. 428367	0. 582	0. 151	4. 02E-50	CSCL1	JAG1
RECQL4. 1	4. 95E-54	0. 195395	0. 224	0. 028	7. 39E-50	CSCL1	RECQL4
NMB. 11	5. 24E-54	0. 383643	0. 687	0. 194	7. 82E-50	CSCL1	NMB
RP11-71N1	5. 28E-54	0. 327844	0. 537	0. 129	7. 90E-50	CSCL1	RP11-71N10. 1
GAS2L1. 9	6. 36E-54	0. 355175	0. 567	0. 145	9. 51E-50	CSCL1	GAS2L1
HN1L. 7	6. 50E-54	0. 30373	0. 577	0. 145	9. 71E-50	CSCL1	HN1L
DZIP3. 7	1. 03E-53	0. 33603	0. 522	0. 124	1. 54E-49	CSCL1	DZIP3
TRIB2. 12	1. 22E-53	0. 508044	0. 801	0. 253	1. 82E-49	CSCL1	TRIB2
DAG1. 8	1. 48E-53	0. 351348	0. 622	0. 165	2. 22E-49	CSCL1	DAG1
EDNRB. 8	1. 57E-53	0. 498568	0. 637	0. 179	2. 34E-49	CSCL1	EDNRB
NUDCD2. 7	1. 58E-53	0. 479553	0. 95	0. 391	2. 37E-49	CSCL1	NUDCD2
SIGMAR1. 4	1. 64E-53	0. 355452	0. 617	0. 164	2. 45E-49	CSCL1	SIGMAR1
TSEN15. 7	1. 71E-53	0. 365051	0. 751	0. 224	2. 56E-49	CSCL1	TSEN15
COL6A2. 11	1. 76E-53	0. 475226	0. 592	0. 155	2. 63E-49	CSCL1	COL6A2
USP1. 9	2. 08E-53	0. 431614	0. 786	0. 249	3. 11E-49	CSCL1	USP1
DCAF7. 7	2. 26E-53	0. 493932	0. 861	0. 311	3. 38E-49	CSCL1	DCAF7
CDK16. 6	2. 27E-53	0. 37549	0. 761	0. 226	3. 39E-49	CSCL1	CDK16
E2F8. 1	3. 00E-53	0. 121035	0. 129	0. 01	4. 49E-49	CSCL1	E2F8
MEOX2. 10	3. 93E-53	0. 312197	0. 378	0. 073	5. 88E-49	CSCL1	MEOX2
PIAS3. 1	3. 96E-53	0. 209781	0. 388	0. 075	5. 91E-49	CSCL1	PIAS3
CCDC14. 9	4. 14E-53	0. 361301	0. 741	0. 218	6. 19E-49	CSCL1	CCDC14
TUBA1C. 9	4. 38E-53	0. 532046	0. 886	0. 371	6. 54E-49	CSCL1	TUBA1C
GNL1. 5	8. 82E-53	0. 374059	0. 771	0. 233	1. 32E-48	CSCL1	GNL1
F2R. 12	1. 07E-52	0. 339378	0. 612	0. 161	1. 60E-48	CSCL1	F2R
WWTR1. 12	1. 61E-52	0. 414812	0. 587	0. 153	2. 41E-48	CSCL1	WWTR1
PIPOX. 10	1. 74E-52	0. 346855	0. 517	0. 125	2. 60E-48	CSCL1	PIPOX
H2AFZ. 5	2. 48E-52	0. 406208	1	0. 734	3. 71E-48	CSCL1	H2AFZ
DCBLD2. 11	2. 54E-52	0. 459864	0. 532	0. 136	3. 79E-48	CSCL1	DCBLD2
RP11-390F	2. 70E-52	0. 306903	0. 522	0. 126	4. 03E-48	CSCL1	RP11-390P2. 4
SLC10A4. 1	2. 70E-52	0. 336609	0. 423	0. 091	4. 04E-48	CSCL1	SLC10A4
HOPX. 11	2. 70E-52	0. 716159	0. 786	0. 274	4. 04E-48	CSCL1	HOPX
CEP164. 3	2. 81E-52	0. 309479	0. 567	0. 146	4. 20E-48	CSCL1	CEP164
PRADC1. 9	3. 23E-52	0. 390165	0. 711	0. 208	4. 83E-48	CSCL1	PRADC1
E2F7	3. 39E-52	0. 117969	0. 134	0. 011	5. 07E-48	CSCL1	E2F7
RP11-620J	3. 81E-52	0. 316885	0. 826	0. 26	5. 69E-48	CSCL1	RP11-620J15. 3
FJX1. 11	4. 10E-52	0. 419816	0. 692	0. 193	6. 12E-48	CSCL1	FJX1
FANCM	4. 97E-52	0. 17777	0. 189	0. 021	7. 43E-48	CSCL1	FANCM
CCDC77. 2	5. 90E-52	0. 209634	0. 313	0. 053	8. 81E-48	CSCL1	CCDC77
HMG20B. 6	6. 15E-52	0. 52508	0. 871	0. 327	9. 20E-48	CSCL1	HMG20B
PHGDH. 10	6. 66E-52	0. 380192	0. 677	0. 191	9. 95E-48	CSCL1	PHGDH
COPRS. 8	6. 75E-52	0. 549283	0. 861	0. 324	1. 01E-47	CSCL1	COPRS
CITED1. 11	7. 13E-52	0. 390043	0. 557	0. 144	1. 07E-47	CSCL1	CITED1
NOTCH2. 5	7. 45E-52	0. 324075	0. 552	0. 139	1. 11E-47	CSCL1	NOTCH2
MAP7D3. 5	8. 92E-52	0. 236788	0. 483	0. 111	1. 33E-47	CSCL1	MAP7D3
MUS81. 6	9. 84E-52	0. 342341	0. 612	0. 166	1. 47E-47	CSCL1	MUS81
DR1. 3	1. 22E-51	0. 330817	0. 761	0. 225	1. 82E-47	CSCL1	DR1

TCF12.11	1.60E-51	0.487873	0.821	0.274	2.39E-47	CSCL1	TCF12
NFYB.6	1.60E-51	0.289236	0.642	0.176	2.40E-47	CSCL1	NFYB
TMEM209.5	1.62E-51	0.266987	0.483	0.111	2.42E-47	CSCL1	TMEM209
SEC22C.7	1.81E-51	0.349048	0.726	0.219	2.71E-47	CSCL1	SEC22C
CENPT.8	1.82E-51	0.34556	0.652	0.182	2.72E-47	CSCL1	CENPT
RAD18.1	2.97E-51	0.237324	0.308	0.053	4.43E-47	CSCL1	RAD18
NUP50.6	3.99E-51	0.284333	0.478	0.111	5.97E-47	CSCL1	NUP50
BCAS4.5	4.51E-51	0.211962	0.393	0.081	6.74E-47	CSCL1	BCAS4
AMH.8	4.74E-51	0.229564	0.308	0.053	7.08E-47	CSCL1	AMH
TP53I13.9	5.98E-51	0.451368	0.746	0.236	8.94E-47	CSCL1	TP53I13
CDK2.6	6.43E-51	0.277406	0.388	0.079	9.61E-47	CSCL1	CDK2
POLR2D.4	7.12E-51	0.293355	0.532	0.132	1.06E-46	CSCL1	POLR2D
BTBD3.10	7.19E-51	0.281551	0.532	0.13	1.07E-46	CSCL1	BTBD3
APOO.9	7.91E-51	0.296329	0.741	0.22	1.18E-46	CSCL1	APOO
KDELC1.1	9.04E-51	0.21759	0.264	0.041	1.35E-46	CSCL1	KDELC1
AHCY.7	1.61E-50	0.429539	0.841	0.285	2.41E-46	CSCL1	AHCY
TCTEX1D2.1	1.97E-50	0.311464	0.736	0.218	2.94E-46	CSCL1	TCTEX1D2
DCXR.5	2.43E-50	0.490099	0.975	0.443	3.63E-46	CSCL1	DCXR
EVA1B.7	2.81E-50	0.364776	0.483	0.117	4.19E-46	CSCL1	EVA1B
DEK.8	3.21E-50	0.538903	0.975	0.455	4.80E-46	CSCL1	DEK
REEP2.10	3.28E-50	0.373975	0.672	0.194	4.90E-46	CSCL1	REEP2
UBA5.4	3.35E-50	0.310965	0.642	0.177	5.00E-46	CSCL1	UBA5
GEMIN2.5	3.51E-50	0.269708	0.458	0.105	5.25E-46	CSCL1	GEMIN2
YES1.6	3.72E-50	0.343105	0.502	0.124	5.56E-46	CSCL1	YES1
TIMM10.6	3.73E-50	0.471824	0.881	0.345	5.58E-46	CSCL1	TIMM10
FABP7.10	4.60E-50	0.668625	0.896	0.374	6.87E-46	CSCL1	FABP7
HIRIP3.6	4.70E-50	0.305188	0.592	0.158	7.03E-46	CSCL1	HIRIP3
SCG2.11	4.74E-50	0.586506	0.751	0.253	7.09E-46	CSCL1	SCG2
PTMS.11	5.65E-50	0.551697	0.975	0.546	8.44E-46	CSCL1	PTMS
PLEKHA4.1	7.38E-50	0.276525	0.502	0.12	1.10E-45	CSCL1	PLEKHA4
CDC42BPA.7	7.88E-50	0.340802	0.617	0.171	1.18E-45	CSCL1	CDC42BPA
PCNT.1	9.28E-50	0.212601	0.353	0.067	1.39E-45	CSCL1	PCNT
RASSF1.6	1.10E-49	0.257831	0.587	0.151	1.65E-45	CSCL1	RASSF1
NOTCH2NL.1	1.15E-49	0.317779	0.592	0.159	1.72E-45	CSCL1	NOTCH2NL
SLC44A2.9	1.20E-49	0.338483	0.672	0.194	1.79E-45	CSCL1	SLC44A2
GIT1.7	1.25E-49	0.253327	0.443	0.1	1.87E-45	CSCL1	GIT1
ITGA3.9	1.45E-49	0.330445	0.418	0.093	2.17E-45	CSCL1	ITGA3
RFC4.8	1.51E-49	0.322664	0.572	0.149	2.25E-45	CSCL1	RFC4
ALDH3A2.6	1.68E-49	0.412814	0.711	0.224	2.51E-45	CSCL1	ALDH3A2
KHDRBS3.1	2.29E-49	0.377157	0.701	0.206	3.43E-45	CSCL1	KHDRBS3
PSPC1.9	2.43E-49	0.334384	0.697	0.203	3.63E-45	CSCL1	PSPC1
RAB30-AS1.2	5.0E-49	0.239322	0.552	0.141	3.74E-45	CSCL1	RAB30-AS1
CMSS1.8	2.67E-49	0.362052	0.831	0.28	3.99E-45	CSCL1	CMSS1
ODC1.11	2.89E-49	0.559433	0.935	0.384	4.32E-45	CSCL1	ODC1
GIPC1.8	3.11E-49	0.409273	0.796	0.259	4.65E-45	CSCL1	GIPC1
PCYT2.7	3.14E-49	0.316767	0.577	0.153	4.69E-45	CSCL1	PCYT2
C17orf58.3	2.7E-49	0.323918	0.637	0.178	4.89E-45	CSCL1	C17orf58
C21orf62.4	1.3E-49	0.360383	0.572	0.151	6.17E-45	CSCL1	C21orf62
RUVBL1.8	5.15E-49	0.333023	0.806	0.257	7.70E-45	CSCL1	RUVBL1
LDLR.8	5.16E-49	0.247732	0.423	0.093	7.71E-45	CSCL1	LDLR
F3.11	5.19E-49	0.436063	0.642	0.184	7.76E-45	CSCL1	F3

SH3GL1.7	5.96E-49	0.406631	0.761	0.241	8.90E-45	CSCL1	SH3GL1
SERPINH1.	6.20E-49	0.393256	0.677	0.201	9.27E-45	CSCL1	SERPINH1
NLGN1.10	7.36E-49	0.307891	0.522	0.131	1.10E-44	CSCL1	NLGN1
CTCF.7	7.37E-49	0.306243	0.582	0.156	1.10E-44	CSCL1	CTCF
CCDC85C.1	8.49E-49	0.144222	0.199	0.025	1.27E-44	CSCL1	CCDC85C
MEX3A.10	9.60E-49	0.292418	0.632	0.17	1.43E-44	CSCL1	MEX3A
RASGRP1.1	1.00E-48	0.225873	0.338	0.064	1.49E-44	CSCL1	RASGRP1
TMEM19.7	1.48E-48	0.262262	0.562	0.145	2.21E-44	CSCL1	TMEM19
ZNF738.1C	1.60E-48	0.259878	0.542	0.137	2.39E-44	CSCL1	ZNF738
PNMA2.10	1.82E-48	0.333039	0.517	0.132	2.73E-44	CSCL1	PNMA2
LAMA5.8	2.15E-48	0.32788	0.448	0.106	3.21E-44	CSCL1	LAMA5
ABCD3.7	2.40E-48	0.351874	0.647	0.188	3.58E-44	CSCL1	ABCD3
RAD54B	2.43E-48	0.174036	0.199	0.025	3.63E-44	CSCL1	RAD54B
TSPAN5.11	2.58E-48	0.471315	0.771	0.253	3.86E-44	CSCL1	TSPAN5
ST3GAL4.7	2.65E-48	0.319562	0.478	0.116	3.97E-44	CSCL1	ST3GAL4
PSPH.11	3.06E-48	0.304676	0.567	0.15	4.57E-44	CSCL1	PSPH
EXTL2.9	3.26E-48	0.336953	0.582	0.16	4.87E-44	CSCL1	EXTL2
ROB01.10	3.63E-48	0.416209	0.602	0.171	5.42E-44	CSCL1	ROB01
WRAP53.1	3.68E-48	0.216896	0.388	0.081	5.49E-44	CSCL1	WRAP53
SMAD1.8	3.71E-48	0.379646	0.612	0.17	5.55E-44	CSCL1	SMAD1
NTHL1.6	3.81E-48	0.296941	0.632	0.18	5.69E-44	CSCL1	NTHL1
HIST1H1D.	4.36E-48	0.1952	0.194	0.024	6.52E-44	CSCL1	HIST1H1D
AUNIP	4.68E-48	0.142109	0.124	0.01	6.99E-44	CSCL1	AUNIP
RPA3.7	4.96E-48	0.38558	0.91	0.333	7.41E-44	CSCL1	RPA3
ZNF43.10	5.60E-48	0.258466	0.522	0.131	8.36E-44	CSCL1	ZNF43
DHRS7B.4	5.85E-48	0.245722	0.637	0.178	8.74E-44	CSCL1	DHRS7B
C19orf48.	5.88E-48	0.361725	0.711	0.219	8.79E-44	CSCL1	C19orf48
CHST3.8	5.90E-48	0.240643	0.318	0.06	8.82E-44	CSCL1	CHST3
MASTL.3	6.33E-48	0.17767	0.234	0.034	9.46E-44	CSCL1	MASTL
SEMA6D.12	6.81E-48	0.389098	0.567	0.15	1.02E-43	CSCL1	SEMA6D
LIG3.2	7.82E-48	0.227886	0.313	0.057	1.17E-43	CSCL1	LIG3
ITGAE.4	8.08E-48	0.383145	0.93	0.355	1.21E-43	CSCL1	ITGAE
LRRCC1.7	8.42E-48	0.336317	0.507	0.129	1.26E-43	CSCL1	LRRCC1
DARS2.1	8.45E-48	0.160147	0.229	0.032	1.26E-43	CSCL1	DARS2
FAM92A1.9	8.82E-48	0.338611	0.657	0.193	1.32E-43	CSCL1	FAM92A1
TRMU.4	9.22E-48	0.247495	0.507	0.125	1.38E-43	CSCL1	TRMU
TARBP2.4	9.27E-48	0.266915	0.537	0.14	1.39E-43	CSCL1	TARBP2
DCP2.6	1.12E-47	0.247586	0.552	0.144	1.67E-43	CSCL1	DCP2
FANCG.3	1.17E-47	0.212803	0.323	0.06	1.75E-43	CSCL1	FANCG
LSM5.7	1.61E-47	0.479035	0.985	0.499	2.40E-43	CSCL1	LSM5
PPIL1.7	1.73E-47	0.282239	0.647	0.186	2.58E-43	CSCL1	PPIL1
SUN2.7	1.89E-47	0.268	0.716	0.21	2.83E-43	CSCL1	SUN2
FBX017.12	1.91E-47	0.289965	0.532	0.137	2.85E-43	CSCL1	FBX017
DDAH1.9	2.08E-47	0.335443	0.478	0.118	3.10E-43	CSCL1	DDAH1
AGBL5.4	3.11E-47	0.257379	0.373	0.079	4.65E-43	CSCL1	AGBL5
RNASEH2B.	3.14E-47	0.338156	0.741	0.23	4.69E-43	CSCL1	RNASEH2B
CNIH3.9	3.37E-47	0.345194	0.587	0.161	5.04E-43	CSCL1	CNIH3
BRD7.8	3.38E-47	0.386398	0.761	0.245	5.05E-43	CSCL1	BRD7
TMSB15A.1	3.87E-47	0.351985	0.622	0.171	5.78E-43	CSCL1	TMSB15A
TCF3.8	4.49E-47	0.311013	0.488	0.123	6.70E-43	CSCL1	TCF3
TBX2.1	6.13E-47	0.200443	0.259	0.041	9.16E-43	CSCL1	TBX2



MAP2K2. 8	6. 23E-47	0. 507525	0. 826	0. 293	9. 31E-43	CSCL1	MAP2K2
DCPS. 6	6. 24E-47	0. 27944	0. 587	0. 164	9. 32E-43	CSCL1	DCPS
RAD51C. 8	6. 67E-47	0. 348564	0. 781	0. 258	9. 97E-43	CSCL1	RAD51C
TRIM28. 8	6. 68E-47	0. 347805	0. 756	0. 241	9. 98E-43	CSCL1	TRIM28
TMEM189. 7	6. 87E-47	0. 315589	0. 622	0. 18	1. 03E-42	CSCL1	TMEM189
MKKS. 7	7. 34E-47	0. 447697	0. 92	0. 395	1. 10E-42	CSCL1	MKKS
TSKU. 8	9. 41E-47	0. 242707	0. 378	0. 08	1. 41E-42	CSCL1	TSKU
HOMER1. 11	9. 94E-47	0. 344898	0. 552	0. 15	1. 48E-42	CSCL1	HOMER1
SNTA1. 8	1. 04E-46	0. 225341	0. 378	0. 08	1. 56E-42	CSCL1	SNTA1
RHOJ. 9	1. 17E-46	0. 241567	0. 418	0. 094	1. 75E-42	CSCL1	RHOJ
TUBD1. 2	1. 44E-46	0. 192399	0. 378	0. 079	2. 15E-42	CSCL1	TUBD1
TNFAIP6. 8	1. 53E-46	0. 174012	0. 448	0. 104	2. 28E-42	CSCL1	TNFAIP6
TEAD1. 7	1. 53E-46	0. 3636	0. 517	0. 138	2. 29E-42	CSCL1	TEAD1
ECI1. 7	2. 43E-46	0. 370719	0. 667	0. 205	3. 63E-42	CSCL1	ECI1
CEP89. 7	2. 76E-46	0. 256353	0. 493	0. 124	4. 12E-42	CSCL1	CEP89
PPIH. 5	3. 39E-46	0. 240521	0. 721	0. 219	5. 06E-42	CSCL1	PPIH
CHL1. 10	3. 47E-46	0. 359335	0. 542	0. 146	5. 18E-42	CSCL1	CHL1
ZNF358. 9	3. 49E-46	0. 326597	0. 567	0. 158	5. 21E-42	CSCL1	ZNF358
BRD8. 7	3. 62E-46	0. 281857	0. 572	0. 155	5. 41E-42	CSCL1	BRD8
STK17A. 1C	6. 15E-46	0. 381151	0. 846	0. 284	9. 18E-42	CSCL1	STK17A
SPATA6. 5	6. 43E-46	0. 299185	0. 552	0. 149	9. 61E-42	CSCL1	SPATA6
KBTBD2. 3	6. 66E-46	0. 242521	0. 458	0. 109	9. 95E-42	CSCL1	KBTBD2
PXMP4. 2	6. 72E-46	0. 215643	0. 313	0. 059	1. 00E-41	CSCL1	PXMP4
CIZ1. 6	7. 34E-46	0. 288903	0. 607	0. 172	1. 10E-41	CSCL1	CIZ1
CSTF3. 9	7. 38E-46	0. 346613	0. 786	0. 258	1. 10E-41	CSCL1	CSTF3
KDM1A. 9	8. 05E-46	0. 327949	0. 657	0. 195	1. 20E-41	CSCL1	KDM1A
BUB3. 5	9. 06E-46	0. 362323	0. 846	0. 298	1. 35E-41	CSCL1	BUB3
IGFBP2. 1C	9. 14E-46	0. 607362	0. 891	0. 365	1. 37E-41	CSCL1	IGFBP2
RRP36. 6	1. 07E-45	0. 267435	0. 532	0. 139	1. 61E-41	CSCL1	RRP36
TCHP. 5	1. 14E-45	0. 231779	0. 448	0. 105	1. 71E-41	CSCL1	TCHP
ERAL1. 6	1. 18E-45	0. 317028	0. 731	0. 232	1. 76E-41	CSCL1	ERAL1
PHACTR4. 6	1. 23E-45	0. 256915	0. 667	0. 194	1. 85E-41	CSCL1	PHACTR4
BTBD10. 6	1. 79E-45	0. 271539	0. 612	0. 174	2. 67E-41	CSCL1	BTBD10
TJP1. 9	1. 80E-45	0. 324535	0. 607	0. 173	2. 69E-41	CSCL1	TJP1
RNFT2. 9	2. 08E-45	0. 241337	0. 328	0. 064	3. 10E-41	CSCL1	RNFT2
JADE1. 4	2. 08E-45	0. 263216	0. 478	0. 118	3. 11E-41	CSCL1	JADE1
PGAP1. 11	2. 15E-45	0. 312994	0. 612	0. 176	3. 22E-41	CSCL1	PGAP1
TGIF2. 5	2. 23E-45	0. 2559	0. 368	0. 079	3. 33E-41	CSCL1	TGIF2
ILDR2. 10	2. 35E-45	0. 26557	0. 358	0. 075	3. 52E-41	CSCL1	ILDR2
KATNAL1. 5	2. 56E-45	0. 226147	0. 363	0. 076	3. 82E-41	CSCL1	KATNAL1
KLHL4. 10	2. 90E-45	0. 276649	0. 478	0. 121	4. 33E-41	CSCL1	KLHL4
LSM4. 7	3. 56E-45	0. 466314	0. 995	0. 553	5. 33E-41	CSCL1	LSM4
MYH10. 9	3. 57E-45	0. 320831	0. 542	0. 146	5. 33E-41	CSCL1	MYH10
FOXG1. 10	3. 80E-45	0. 356476	0. 532	0. 147	5. 67E-41	CSCL1	FOXG1
ENAH. 11	3. 94E-45	0. 425257	0. 766	0. 255	5. 88E-41	CSCL1	ENAH
NUP88. 5	4. 12E-45	0. 259763	0. 483	0. 122	6. 16E-41	CSCL1	NUP88
CLSPN. 7	4. 19E-45	0. 291044	0. 308	0. 058	6. 25E-41	CSCL1	CLSPN
HP1BP3. 1C	4. 47E-45	0. 494885	0. 95	0. 433	6. 69E-41	CSCL1	HP1BP3
XPO1. 4	4. 71E-45	0. 326584	0. 766	0. 25	7. 04E-41	CSCL1	XPO1
APITD1. 6	4. 85E-45	0. 222595	0. 363	0. 077	7. 25E-41	CSCL1	APITD1
SLC36A4. 7	5. 61E-45	0. 303872	0. 632	0. 185	8. 38E-41	CSCL1	SLC36A4

FAM210B.1	6.22E-45	0.467594	0.761	0.261	9.30E-41	CSCL1	FAM210B
FUZ.5	6.46E-45	0.274882	0.562	0.154	9.65E-41	CSCL1	FUZ
TFAM.3	7.32E-45	0.272317	0.602	0.173	1.09E-40	CSCL1	TFAM
MCUR1.8	7.67E-45	0.3976	0.761	0.253	1.15E-40	CSCL1	MCUR1
EGFR.11	7.91E-45	0.539624	0.816	0.291	1.18E-40	CSCL1	EGFR
NFS1.5	9.53E-45	0.243023	0.498	0.128	1.42E-40	CSCL1	NFS1
POLR3H.7	9.61E-45	0.320919	0.672	0.207	1.44E-40	CSCL1	POLR3H
PPP2R3B.3	1.03E-44	0.195628	0.323	0.063	1.54E-40	CSCL1	PPP2R3B
SORBS3.8	1.04E-44	0.319822	0.577	0.165	1.56E-40	CSCL1	SORBS3
GABPB1.5	1.04E-44	0.248478	0.433	0.102	1.56E-40	CSCL1	GABPB1
FANCA.3	1.08E-44	0.19531	0.299	0.054	1.62E-40	CSCL1	FANCA
SFRP1.11	1.08E-44	0.27014	0.403	0.092	1.62E-40	CSCL1	SFRP1
CCDC167.7	1.15E-44	0.430863	0.925	0.373	1.72E-40	CSCL1	CCDC167
METRN.12	1.38E-44	0.488149	0.836	0.285	2.07E-40	CSCL1	METRN
DYNLL2.11	1.49E-44	0.266517	0.672	0.198	2.23E-40	CSCL1	DYNLL2
RFFL.12	1.63E-44	0.382846	0.557	0.158	2.43E-40	CSCL1	RFFL
PCDH17.1C	2.10E-44	0.2621	0.637	0.184	3.14E-40	CSCL1	PCDH17
OSER1-AS1	2.35E-44	0.263254	0.488	0.125	3.51E-40	CSCL1	OSER1-AS1
WDR41.7	2.46E-44	0.297878	0.692	0.217	3.68E-40	CSCL1	WDR41
SPRY2.10	2.66E-44	0.42757	0.667	0.21	3.98E-40	CSCL1	SPRY2
ENTPD6.5	2.70E-44	0.310486	0.637	0.191	4.03E-40	CSCL1	ENTPD6
CBX2.7	2.92E-44	0.247738	0.318	0.062	4.37E-40	CSCL1	CBX2
SUZ12.6	2.95E-44	0.344158	0.622	0.187	4.40E-40	CSCL1	SUZ12
FAM120AOS	3.34E-44	0.283932	0.612	0.178	4.99E-40	CSCL1	FAM120AOS
RNF34.7	3.55E-44	0.257406	0.637	0.187	5.31E-40	CSCL1	RNF34
SEPT9.7	3.65E-44	0.488524	0.851	0.332	5.45E-40	CSCL1	9-Sep
OGFOD3.7	4.15E-44	0.35734	0.687	0.213	6.20E-40	CSCL1	OGFOD3
SSRP1.10	4.35E-44	0.427335	0.915	0.345	6.50E-40	CSCL1	SSRP1
C9orf40.1	4.37E-44	0.206838	0.259	0.044	6.54E-40	CSCL1	C9orf40
TNPO2.8	4.50E-44	0.259541	0.602	0.172	6.73E-40	CSCL1	TNPO2
FLNA.10	4.70E-44	0.424866	0.736	0.242	7.02E-40	CSCL1	FLNA
DKC1.5	5.83E-44	0.327045	0.771	0.257	8.71E-40	CSCL1	DKC1
PPP2R5C.5	5.92E-44	0.273034	0.761	0.249	8.84E-40	CSCL1	PPP2R5C
STMN3.10	6.13E-44	0.421607	0.861	0.297	9.16E-40	CSCL1	STMN3
WRNIP1.4	6.16E-44	0.254336	0.413	0.097	9.21E-40	CSCL1	WRNIP1
MSI2.9	6.43E-44	0.434366	0.861	0.312	9.61E-40	CSCL1	MSI2
DZIP1.9	6.46E-44	0.26545	0.413	0.097	9.65E-40	CSCL1	DZIP1
GSS.7	7.24E-44	0.323087	0.726	0.232	1.08E-39	CSCL1	GSS
MVB12A.7	7.72E-44	0.354841	0.851	0.293	1.15E-39	CSCL1	MVB12A
MACROD1.5	8.35E-44	0.268967	0.463	0.116	1.25E-39	CSCL1	MACROD1
ZNF599.7	9.24E-44	0.231488	0.338	0.069	1.38E-39	CSCL1	ZNF599
CDC34.10	9.41E-44	0.316827	0.726	0.226	1.41E-39	CSCL1	CDC34
HRAS.10	1.05E-43	0.413683	0.816	0.284	1.56E-39	CSCL1	HRAS
ABHD17C.7	1.19E-43	0.285047	0.358	0.078	1.78E-39	CSCL1	ABHD17C
TRAF2.2	1.46E-43	0.209489	0.363	0.078	2.18E-39	CSCL1	TRAF2
MYEF2.10	1.59E-43	0.339588	0.622	0.186	2.38E-39	CSCL1	MYEF2
DNTTIP1.5	1.71E-43	0.425855	0.846	0.321	2.56E-39	CSCL1	DNTTIP1
MTFR1.2	1.77E-43	0.226194	0.398	0.091	2.64E-39	CSCL1	MTFR1
CAMK2D.9	1.90E-43	0.410196	0.721	0.235	2.84E-39	CSCL1	CAMK2D
HNRNPLL.5	1.94E-43	0.278255	0.627	0.183	2.90E-39	CSCL1	HNRNPLL
PIGX.9	2.06E-43	0.351957	0.751	0.244	3.08E-39	CSCL1	PIGX

DHCR7.10	2.12E-43	0.332306	0.587	0.17	3.17E-39	CSCL1	DHCR7
MED7.3	2.15E-43	0.16527	0.453	0.109	3.22E-39	CSCL1	MED7
PLOD2.9	2.43E-43	0.309008	0.552	0.155	3.63E-39	CSCL1	PLOD2
PGM3.6	2.82E-43	0.294625	0.582	0.167	4.22E-39	CSCL1	PGM3
UBC.6	3.56E-43	-0.55948	0.995	0.95	5.33E-39	CSCL1	UBC
ALDH7A1.7	4.25E-43	0.313597	0.791	0.266	6.34E-39	CSCL1	ALDH7A1
SRR.9	4.25E-43	0.260687	0.537	0.147	6.35E-39	CSCL1	SRR
TCEA2.11	4.33E-43	0.487359	0.92	0.358	6.48E-39	CSCL1	TCEA2
SLC35B2.8	4.45E-43	0.425541	0.816	0.291	6.64E-39	CSCL1	SLC35B2
CDR2	6.63E-43	0.139776	0.229	0.035	9.91E-39	CSCL1	CDR2
LRRC37B.6	8.67E-43	0.22647	0.438	0.107	1.30E-38	CSCL1	LRRC37B
RPA1.2	8.79E-43	0.29164	0.721	0.231	1.31E-38	CSCL1	RPA1
MXRA7.9	1.03E-42	0.31963	0.567	0.16	1.55E-38	CSCL1	MXRA7
CRY1.6	1.10E-42	0.253527	0.493	0.13	1.64E-38	CSCL1	CRY1
PPME1.9	1.15E-42	0.260327	0.597	0.174	1.72E-38	CSCL1	PPME1
EFEMP2.8	1.21E-42	0.328684	0.672	0.206	1.81E-38	CSCL1	EFEMP2
SPECC1.11	1.23E-42	0.391824	0.821	0.287	1.83E-38	CSCL1	SPECC1
TBCD.5	1.33E-42	0.222818	0.517	0.139	1.99E-38	CSCL1	TBCD
ANAPC7.8	1.64E-42	0.261004	0.577	0.165	2.45E-38	CSCL1	ANAPC7
ZMYND11.8	1.72E-42	0.255141	0.517	0.14	2.57E-38	CSCL1	ZMYND11
DSEL.12	1.74E-42	0.306779	0.697	0.217	2.60E-38	CSCL1	DSEL
ZNF326.8	1.86E-42	0.300979	0.736	0.239	2.78E-38	CSCL1	ZNF326
THOC3.5	2.17E-42	0.269884	0.572	0.163	3.25E-38	CSCL1	THOC3
RGMA.11	2.26E-42	0.375032	0.632	0.193	3.37E-38	CSCL1	RGMA
NOTCH1.6	2.27E-42	0.241223	0.433	0.105	3.39E-38	CSCL1	NOTCH1
FAM181B.1	2.45E-42	0.492902	0.617	0.196	3.67E-38	CSCL1	FAM181B
PPP2R5E.9	2.59E-42	0.331426	0.731	0.239	3.86E-38	CSCL1	PPP2R5E
PSIP1.9	2.62E-42	0.489568	0.92	0.374	3.92E-38	CSCL1	PSIP1
C4orf46.3	2.67E-42	0.175012	0.343	0.071	4.00E-38	CSCL1	C4orf46
RP11-318A	2.80E-42	0.106765	0.124	0.012	4.18E-38	CSCL1	RP11-318A15.2
KCNE4.9	3.04E-42	0.276885	0.413	0.099	4.54E-38	CSCL1	KCNE4
MGAT2.5	3.10E-42	0.303629	0.597	0.179	4.63E-38	CSCL1	MGAT2
NCOA6.9	3.13E-42	0.219896	0.498	0.129	4.68E-38	CSCL1	NCOA6
IFT52.9	3.27E-42	0.289177	0.746	0.248	4.89E-38	CSCL1	IFT52
GCLM.6	3.49E-42	0.249454	0.547	0.151	5.21E-38	CSCL1	GCLM
APBB2.9	4.79E-42	0.273276	0.433	0.107	7.16E-38	CSCL1	APBB2
FAM104B.4	5.59E-42	0.238117	0.612	0.183	8.36E-38	CSCL1	FAM104B
PRKDC.8	5.77E-42	0.374988	0.801	0.283	8.63E-38	CSCL1	PRKDC
KLHDC8A.1	6.03E-42	0.383678	0.741	0.242	9.01E-38	CSCL1	KLHDC8A
MBD3.5	6.35E-42	0.266539	0.552	0.157	9.50E-38	CSCL1	MBD3
PAICS.11	6.51E-42	0.332873	0.841	0.299	9.73E-38	CSCL1	PAICS
CCDC80.1C	6.52E-42	0.255661	0.433	0.107	9.74E-38	CSCL1	CCDC80
THAP11.6	6.70E-42	0.262976	0.582	0.169	1.00E-37	CSCL1	THAP11
NETO2.8	6.92E-42	0.303372	0.547	0.155	1.03E-37	CSCL1	NETO2
KCTD3.6	7.19E-42	0.251886	0.507	0.136	1.07E-37	CSCL1	KCTD3
METTL7B.8	8.37E-42	0.254104	0.662	0.204	1.25E-37	CSCL1	METTL7B
FAM104A.7	8.38E-42	0.350285	0.697	0.232	1.25E-37	CSCL1	FAM104A
SYNE2.11	8.58E-42	0.289018	0.577	0.167	1.28E-37	CSCL1	SYNE2
PARD3.7	8.60E-42	0.216533	0.289	0.055	1.28E-37	CSCL1	PARD3
NPHP1.6	9.84E-42	0.180047	0.318	0.065	1.47E-37	CSCL1	NPHP1
SRRD.7	9.87E-42	0.229498	0.443	0.11	1.47E-37	CSCL1	SRRD

HNRNPUL2.	1.	1.8E-41	0.240088	0.552	0.156	1.76E-37	CSCL1	HNRNPUL2
KHSRP.	9	1.23E-41	0.315477	0.711	0.23	1.83E-37	CSCL1	KHSRP
SPSB4.	10	1.25E-41	0.198398	0.289	0.055	1.86E-37	CSCL1	SPSB4
CEP97.	7	1.42E-41	0.209179	0.338	0.071	2.12E-37	CSCL1	CEP97
CNIH4.	8	1.53E-41	0.353191	0.9	0.364	2.28E-37	CSCL1	CNIH4
PHF7		1.54E-41	0.18003	0.239	0.039	2.30E-37	CSCL1	PHF7
PITX1.	9	1.64E-41	0.26441	0.358	0.08	2.45E-37	CSCL1	PITX1
IGFBP7.	1C	1.87E-41	0.485989	0.741	0.261	2.80E-37	CSCL1	IGFBP7
DKK3.	10	1.90E-41	0.310013	0.632	0.192	2.84E-37	CSCL1	DKK3
IFI27L1.	8	1.93E-41	0.228943	0.602	0.178	2.89E-37	CSCL1	IFI27L1
SDC1.	6	2.07E-41	0.216514	0.254	0.044	3.09E-37	CSCL1	SDC1
FAM84A.	1C	2.11E-41	0.308307	0.507	0.138	3.15E-37	CSCL1	FAM84A
KIF21A.	12	2.46E-41	0.394622	0.831	0.293	3.68E-37	CSCL1	KIF21A
MLC1.	10	2.60E-41	0.300877	0.512	0.142	3.89E-37	CSCL1	MLC1
PTAR1.	6	2.68E-41	0.235165	0.488	0.13	4.01E-37	CSCL1	PTAR1
PMEPA1.	11	2.72E-41	0.41369	0.622	0.194	4.06E-37	CSCL1	PMEPA1
JAM2.	12	2.85E-41	0.272275	0.741	0.244	4.26E-37	CSCL1	JAM2
EXTL3.	8	3.20E-41	0.240885	0.478	0.125	4.78E-37	CSCL1	EXTL3
ACAT2.	9	3.21E-41	0.334001	0.796	0.269	4.80E-37	CSCL1	ACAT2
FBXW2.	6	3.77E-41	0.285071	0.607	0.185	5.64E-37	CSCL1	FBXW2
DAP.	8	3.79E-41	0.316346	0.791	0.267	5.66E-37	CSCL1	DAP
SNRPB.	7	3.99E-41	0.412091	0.985	0.57	5.97E-37	CSCL1	SNRPB
CSRP2.	10	4.12E-41	0.208556	0.841	0.292	6.15E-37	CSCL1	CSRP2
CENPB.	3	4.32E-41	0.210281	0.413	0.1	6.45E-37	CSCL1	CENPB
NEK6.	8	4.46E-41	0.492665	0.751	0.282	6.66E-37	CSCL1	NEK6
FERMT2.	9	4.70E-41	0.299863	0.637	0.195	7.03E-37	CSCL1	FERMT2
RSRC1.	3	4.82E-41	0.332745	0.821	0.295	7.21E-37	CSCL1	RSRC1
FAM173B.	4	5.08E-41	0.172886	0.303	0.06	7.58E-37	CSCL1	FAM173B
CETN3.	5	5.32E-41	0.236553	0.512	0.14	7.95E-37	CSCL1	CETN3
LIMA1.	11	6.40E-41	0.397484	0.861	0.308	9.56E-37	CSCL1	LIMA1
THSD1.	7	6.74E-41	0.24028	0.383	0.089	1.01E-36	CSCL1	THSD1
PCM1.	8	6.91E-41	0.380729	0.841	0.315	1.03E-36	CSCL1	PCM1
IRF3.	5	7.29E-41	0.248507	0.721	0.235	1.09E-36	CSCL1	IRF3
LRWD1.	8	7.35E-41	0.268984	0.567	0.163	1.10E-36	CSCL1	LRWD1
HEG1.	4	7.42E-41	0.218584	0.323	0.067	1.11E-36	CSCL1	HEG1
DCLRE1C.	5	8.61E-41	0.207292	0.478	0.124	1.29E-36	CSCL1	DCLRE1C
HSDL2.	4	9.06E-41	0.236816	0.542	0.154	1.35E-36	CSCL1	HSDL2
CEP41.	4	9.12E-41	0.267407	0.517	0.145	1.36E-36	CSCL1	CEP41
CCDC82.	6	9.86E-41	0.331574	0.761	0.263	1.47E-36	CSCL1	CCDC82
RBBP8.	5	9.97E-41	0.217765	0.353	0.078	1.49E-36	CSCL1	RBBP8
CD320.	10	1.03E-40	0.412218	0.846	0.309	1.53E-36	CSCL1	CD320
ATP6VOA2.		1.06E-40	0.199668	0.388	0.091	1.58E-36	CSCL1	ATP6VOA2
BMI1.	7	1.09E-40	0.230146	0.498	0.133	1.63E-36	CSCL1	BMI1
AGPAT5.	8	1.21E-40	0.250957	0.647	0.202	1.81E-36	CSCL1	AGPAT5
UBE2M.	7	1.24E-40	0.344685	0.682	0.222	1.86E-36	CSCL1	UBE2M
BTG3.	9	1.27E-40	0.394175	0.91	0.362	1.91E-36	CSCL1	BTG3
IFT57.	10	1.35E-40	0.250664	0.726	0.239	2.01E-36	CSCL1	IFT57
CRYZ.	10	1.39E-40	0.168595	0.458	0.118	2.08E-36	CSCL1	CRYZ
TAF9B.	8	1.45E-40	0.236626	0.507	0.138	2.17E-36	CSCL1	TAF9B
RBBP9.	5	1.48E-40	0.259707	0.378	0.089	2.21E-36	CSCL1	RBBP9
CDKN2AIPN		1.54E-40	0.25062	0.731	0.24	2.30E-36	CSCL1	CDKN2AIPNL

FKBP9.9	1.58E-40	0.249366	0.582	0.17	2.36E-36	CSCL1	FKBP9
LIX1L.4	1.60E-40	0.275103	0.488	0.133	2.40E-36	CSCL1	LIX1L
ICA1L.6	1.65E-40	0.222524	0.398	0.095	2.47E-36	CSCL1	ICA1L
REST.6	1.77E-40	0.34213	0.612	0.191	2.64E-36	CSCL1	REST
HS2ST1.11	1.84E-40	0.239161	0.577	0.167	2.75E-36	CSCL1	HS2ST1
CRLS1.8	2.00E-40	0.363906	0.796	0.274	2.99E-36	CSCL1	CRLS1
GLT8D1.5	2.02E-40	0.320022	0.776	0.267	3.02E-36	CSCL1	GLT8D1
COL5A2.9	2.11E-40	0.230059	0.294	0.058	3.15E-36	CSCL1	COL5A2
EPN2.11	2.26E-40	0.316322	0.711	0.229	3.37E-36	CSCL1	EPN2
CD74.11	2.33E-40	-1.32134	0.498	0.756	3.47E-36	CSCL1	CD74
SLC4A8.5	2.53E-40	0.202434	0.328	0.07	3.78E-36	CSCL1	SLC4A8
ZNF768.5	2.58E-40	0.199851	0.383	0.09	3.86E-36	CSCL1	ZNF768
STAG1.2	2.65E-40	0.205006	0.473	0.122	3.95E-36	CSCL1	STAG1
KIF5B.8	2.77E-40	0.468095	0.945	0.504	4.14E-36	CSCL1	KIF5B
CDH2.11	2.98E-40	0.39465	0.806	0.275	4.46E-36	CSCL1	CDH2
MID1.5	3.33E-40	0.167815	0.259	0.046	4.98E-36	CSCL1	MID1
SEPT11.1C	3.39E-40	0.386006	0.811	0.294	5.06E-36	CSCL1	11-Sep
NEDD1.1	3.44E-40	0.210486	0.358	0.08	5.14E-36	CSCL1	NEDD1
RAD51.1	3.70E-40	0.158416	0.184	0.025	5.53E-36	CSCL1	RAD51
PLS3.10	3.74E-40	0.334441	0.667	0.213	5.60E-36	CSCL1	PLS3
TBC1D7.3	4.01E-40	0.205072	0.547	0.156	5.99E-36	CSCL1	TBC1D7
POC1B.3	4.14E-40	0.171443	0.353	0.078	6.19E-36	CSCL1	POC1B
C1QL1.10	4.51E-40	0.249324	0.433	0.109	6.74E-36	CSCL1	C1QL1
POLDIP3.5	4.57E-40	0.265796	0.592	0.179	6.83E-36	CSCL1	POLDIP3
SNRPA1.7	4.96E-40	0.280506	0.806	0.286	7.41E-36	CSCL1	SNRPA1
EMP2.6	5.31E-40	0.121338	0.423	0.103	7.93E-36	CSCL1	EMP2
MEX3C.6	5.42E-40	0.210544	0.383	0.089	8.10E-36	CSCL1	MEX3C
CBX1.9	5.44E-40	0.378628	0.925	0.357	8.13E-36	CSCL1	CBX1
VEZF1.11	5.64E-40	0.273037	0.711	0.23	8.43E-36	CSCL1	VEZF1
NRSN2.10	5.71E-40	0.27956	0.547	0.158	8.53E-36	CSCL1	NRSN2
CAPRIN2.8	5.93E-40	0.248328	0.403	0.099	8.85E-36	CSCL1	CAPRIN2
FHL1.12	5.95E-40	0.42579	0.915	0.347	8.89E-36	CSCL1	FHL1
RNF157.1C	6.14E-40	0.22283	0.483	0.128	9.17E-36	CSCL1	RNF157
BAP1.4	6.73E-40	0.226039	0.493	0.134	1.01E-35	CSCL1	BAP1
FIGN.9	7.37E-40	0.282428	0.358	0.083	1.10E-35	CSCL1	FIGN
NUCKS1.7	7.64E-40	0.387268	0.995	0.63	1.14E-35	CSCL1	NUCKS1
MIIP.2	8.39E-40	0.247922	0.617	0.19	1.25E-35	CSCL1	MIIP
SLC25A33.8	8.40E-40	0.275845	0.667	0.21	1.25E-35	CSCL1	SLC25A33
CENPP.3	9.64E-40	0.157363	0.254	0.045	1.44E-35	CSCL1	CENPP
ATP1B2.11	9.98E-40	0.332245	0.706	0.225	1.49E-35	CSCL1	ATP1B2
SOX12.11	1.00E-39	0.239761	0.433	0.11	1.49E-35	CSCL1	SOX12
ELAVL1.7	1.10E-39	0.387768	0.871	0.335	1.64E-35	CSCL1	ELAVL1
MLH1.4	1.12E-39	0.174521	0.527	0.146	1.68E-35	CSCL1	MLH1
CHAMP1.6	1.18E-39	0.234883	0.463	0.123	1.77E-35	CSCL1	CHAMP1
CDC42EP4.1	1.35E-39	0.27669	0.627	0.193	2.02E-35	CSCL1	CDC42EP4
CPNE2.10	1.40E-39	0.366823	0.552	0.171	2.09E-35	CSCL1	CPNE2
S100A16.1	1.49E-39	0.358291	0.826	0.298	2.22E-35	CSCL1	S100A16
IPP.7	1.59E-39	0.135616	0.289	0.056	2.38E-35	CSCL1	IPP
PEMT.9	1.64E-39	0.254699	0.652	0.205	2.44E-35	CSCL1	PEMT
ZNF414.11	1.64E-39	0.282562	0.587	0.178	2.45E-35	CSCL1	ZNF414
AAAS.4	1.88E-39	0.220269	0.597	0.178	2.81E-35	CSCL1	AAAS

BOD1.11	2.00E-39	0.341669	0.821	0.294	2.99E-35	CSCL1	BOD1
POLR3F.8	2.25E-39	0.221502	0.483	0.131	3.37E-35	CSCL1	POLR3F
TTF2.3	2.33E-39	0.206459	0.299	0.06	3.48E-35	CSCL1	TTF2
ZNF577.8	2.50E-39	0.215176	0.373	0.087	3.74E-35	CSCL1	ZNF577
ZNRF1.10	2.81E-39	0.275507	0.428	0.111	4.20E-35	CSCL1	ZNRF1
ETV5.9	3.07E-39	0.295746	0.741	0.25	4.59E-35	CSCL1	ETV5
TMEM131.8	3.10E-39	0.287208	0.498	0.14	4.64E-35	CSCL1	TMEM131
KNTC1.1	3.13E-39	0.154074	0.164	0.021	4.68E-35	CSCL1	KNTC1
NR2F6.9	3.27E-39	0.276316	0.488	0.135	4.88E-35	CSCL1	NR2F6
ACSL3.6	3.30E-39	0.432702	0.846	0.332	4.93E-35	CSCL1	ACSL3
FHL2.8	3.52E-39	0.166502	0.244	0.043	5.27E-35	CSCL1	FHL2
COMMD4.2	3.70E-39	0.278749	0.816	0.296	5.53E-35	CSCL1	COMMD4
SRPK1.7	3.81E-39	0.251911	0.547	0.159	5.69E-35	CSCL1	SRPK1
MORN2.9	3.93E-39	0.248082	0.751	0.253	5.88E-35	CSCL1	MORN2
SRPX.10	4.07E-39	0.332357	0.562	0.17	6.08E-35	CSCL1	SRPX
ANAPC15.6	4.14E-39	0.301993	0.726	0.253	6.19E-35	CSCL1	ANAPC15
EXOSC3.4	4.31E-39	0.230209	0.532	0.153	6.44E-35	CSCL1	EXOSC3
FIBIN.11	4.42E-39	0.400974	0.652	0.219	6.61E-35	CSCL1	FIBIN
SMAD5.7	4.61E-39	0.200271	0.562	0.164	6.88E-35	CSCL1	SMAD5
ATAD3A.5	4.61E-39	0.245316	0.517	0.145	6.89E-35	CSCL1	ATAD3A
IGFBP3.1C	4.73E-39	0.446095	0.597	0.187	7.07E-35	CSCL1	IGFBP3
DRG2.5	5.42E-39	0.210481	0.627	0.192	8.09E-35	CSCL1	DRG2
PHF6.7	5.55E-39	0.238054	0.557	0.163	8.30E-35	CSCL1	PHF6
COL6A1.11	5.91E-39	0.344549	0.682	0.221	8.83E-35	CSCL1	COL6A1
NACC1.6	6.38E-39	0.243676	0.507	0.144	9.54E-35	CSCL1	NACC1
CORO2B.8	6.55E-39	0.207255	0.393	0.096	9.79E-35	CSCL1	CORO2B
C1orf21.1	6.59E-39	0.226034	0.627	0.193	9.85E-35	CSCL1	C1orf21
TNC.11	6.68E-39	0.197734	0.627	0.193	9.99E-35	CSCL1	TNC
GSK3A.9	7.00E-39	0.278453	0.592	0.183	1.05E-34	CSCL1	GSK3A
LCMT1.3	7.17E-39	0.216684	0.761	0.254	1.07E-34	CSCL1	LCMT1
SOX2.12	7.17E-39	0.547524	0.96	0.42	1.07E-34	CSCL1	SOX2
PPID.2	7.47E-39	0.210418	0.642	0.202	1.12E-34	CSCL1	PPID
FAF1.4	7.82E-39	0.23051	0.547	0.158	1.17E-34	CSCL1	FAF1
BAMBI.9	8.17E-39	0.261572	0.308	0.065	1.22E-34	CSCL1	BAMBI
UNK.4	8.38E-39	0.187734	0.458	0.121	1.25E-34	CSCL1	UNK
RP13-650J	8.57E-39	0.138433	0.144	0.017	1.28E-34	CSCL1	RP13-650J16.1
CTNNBIP1.9	9.21E-39	0.317416	0.647	0.207	1.38E-34	CSCL1	CTNNBIP1
NABP2.7	9.74E-39	0.25215	0.776	0.267	1.46E-34	CSCL1	NABP2
TLK1.9	9.81E-39	0.336325	0.672	0.22	1.47E-34	CSCL1	TLK1
HOMER2.3	1.02E-38	0.176822	0.269	0.052	1.52E-34	CSCL1	HOMER2
MDGA1.7	1.05E-38	0.238658	0.308	0.066	1.57E-34	CSCL1	MDGA1
SETD2.6	1.11E-38	0.222378	0.498	0.137	1.65E-34	CSCL1	SETD2
CSRNP2.4	1.18E-38	0.174884	0.358	0.082	1.77E-34	CSCL1	CSRNP2
ASF1A.9	1.24E-38	0.247575	0.692	0.226	1.85E-34	CSCL1	ASF1A
FANCB.1	1.31E-38	0.13122	0.159	0.02	1.96E-34	CSCL1	FANCB
DNMT1.10	1.33E-38	0.321215	0.791	0.277	1.99E-34	CSCL1	DNMT1
RNF4.1	1.34E-38	0.210308	0.572	0.171	2.00E-34	CSCL1	RNF4
LAPTM4B.1	1.34E-38	0.375241	0.871	0.322	2.00E-34	CSCL1	LAPTM4B
ANKRD54.6	1.51E-38	0.213565	0.483	0.134	2.26E-34	CSCL1	ANKRD54
ANGPTL1.2	1.53E-38	0.199798	0.219	0.036	2.28E-34	CSCL1	ANGPTL1
LSM12.7	1.57E-38	0.345818	0.726	0.251	2.35E-34	CSCL1	LSM12

TSPAN17.5	1.58E-38	0.254557	0.502	0.142	2.35E-34	CSCL1	TSPAN17
TMEM107.6	1.74E-38	0.188777	0.662	0.21	2.60E-34	CSCL1	TMEM107
ZNF524.6	1.76E-38	0.249261	0.592	0.181	2.63E-34	CSCL1	ZNF524
WLS.9	1.86E-38	0.324032	0.637	0.207	2.78E-34	CSCL1	WLS
LYPD1.9	2.12E-38	0.303025	0.612	0.188	3.17E-34	CSCL1	LYPD1
NELFB.6	2.35E-38	0.251471	0.502	0.143	3.51E-34	CSCL1	NELFB
CCDC148	2.85E-38	0.14755	0.144	0.017	4.26E-34	CSCL1	CCDC148
ENDOG.8	2.88E-38	0.267322	0.498	0.141	4.30E-34	CSCL1	ENDOG
TMTC3.4	2.94E-38	0.235874	0.358	0.085	4.39E-34	CSCL1	TMTC3
B4GALT5.9	3.11E-38	0.344829	0.597	0.189	4.65E-34	CSCL1	B4GALT5
MAPKAP1.5	4.48E-38	0.282187	0.716	0.242	6.70E-34	CSCL1	MAPKAP1
RALGAPA2.4	5.7E-38	0.184618	0.418	0.105	6.82E-34	CSCL1	RALGAPA2
HMG2.3	4.74E-38	0.369334	0.94	0.626	7.08E-34	CSCL1	HMG2
SEC61A2.5	4.79E-38	0.174495	0.338	0.075	7.16E-34	CSCL1	SEC61A2
STRADB.6	5.05E-38	0.307413	0.652	0.213	7.55E-34	CSCL1	STRADB
GTF3C5.8	5.09E-38	0.242821	0.582	0.179	7.61E-34	CSCL1	GTF3C5
GALNS.4	5.44E-38	0.232921	0.463	0.126	8.13E-34	CSCL1	GALNS
SF3A2.7	5.59E-38	0.314616	0.731	0.251	8.36E-34	CSCL1	SF3A2
ACTL6A.8	5.93E-38	0.269596	0.726	0.25	8.86E-34	CSCL1	ACTL6A
NNT.4	5.99E-38	0.238391	0.478	0.131	8.95E-34	CSCL1	NNT
RABL6.7	6.05E-38	0.298429	0.711	0.239	9.04E-34	CSCL1	RABL6
GNA11.6	6.09E-38	0.184712	0.408	0.101	9.09E-34	CSCL1	GNA11
CSNK2A1.9	6.76E-38	0.355931	0.831	0.307	1.01E-33	CSCL1	CSNK2A1
MCM4.9	6.80E-38	0.242273	0.378	0.091	1.02E-33	CSCL1	MCM4
ZNF273.1C	7.29E-38	0.234491	0.348	0.08	1.09E-33	CSCL1	ZNF273
TIMM22.8	7.36E-38	0.3011	0.697	0.235	1.10E-33	CSCL1	TIMM22
SPATS2L.7	7.42E-38	0.436752	0.791	0.324	1.11E-33	CSCL1	SPATS2L
SALL1.9	8.14E-38	0.275774	0.468	0.132	1.22E-33	CSCL1	SALL1
PDLIM1.8	9.10E-38	0.186201	0.318	0.069	1.36E-33	CSCL1	PDLIM1
PIK3R3.9	9.63E-38	0.184867	0.468	0.126	1.44E-33	CSCL1	PIK3R3
UCHL5.4	1.01E-37	0.169955	0.512	0.142	1.50E-33	CSCL1	UCHL5
KDM5B.11	1.06E-37	0.232822	0.537	0.155	1.59E-33	CSCL1	KDM5B
PPFIBP1.9	1.15E-37	0.184393	0.527	0.149	1.72E-33	CSCL1	PPFIBP1
ADD3.6	1.25E-37	0.196671	0.468	0.127	1.86E-33	CSCL1	ADD3
C19orf52.1	1.39E-37	0.240101	0.557	0.167	2.08E-33	CSCL1	C19orf52
POLH	1.58E-37	0.161245	0.224	0.038	2.37E-33	CSCL1	POLH
TGFB1I1.1	1.60E-37	0.258768	0.443	0.121	2.39E-33	CSCL1	TGFB1I1
GCSH.11	1.63E-37	0.462762	0.856	0.338	2.43E-33	CSCL1	GCSH
SLC25A25.1	1.73E-37	0.261557	0.537	0.159	2.58E-33	CSCL1	SLC25A25
UCKL1.5	1.83E-37	0.243562	0.517	0.152	2.73E-33	CSCL1	UCKL1
METTL10.2	1.96E-37	0.157481	0.413	0.104	2.93E-33	CSCL1	METTL10
HS6ST1.5	2.03E-37	0.216604	0.408	0.103	3.03E-33	CSCL1	HS6ST1
C1orf109.2	2.07E-37	0.19565	0.468	0.126	3.09E-33	CSCL1	C1orf109
RAB22A.8	2.20E-37	0.328357	0.677	0.231	3.29E-33	CSCL1	RAB22A
ARMC1.8	2.25E-37	0.271014	0.746	0.256	3.37E-33	CSCL1	ARMC1
HMBS.4	2.38E-37	0.250516	0.597	0.19	3.55E-33	CSCL1	HMBS
SORT1.8	2.41E-37	0.251298	0.672	0.222	3.60E-33	CSCL1	SORT1
RNF126.8	2.45E-37	0.328406	0.786	0.282	3.66E-33	CSCL1	RNF126
TMEM138.4	2.54E-37	0.13854	0.562	0.166	3.80E-33	CSCL1	TMEM138
TRIM47.11	2.67E-37	0.276023	0.567	0.173	3.98E-33	CSCL1	TRIM47
ENKUR.9	2.99E-37	0.135725	0.313	0.068	4.46E-33	CSCL1	ENKUR

VAMP4.1	3.19E-37	0.179954	0.433	0.113	4.76E-33	CSCL1	VAMP4
STIM2.6	3.46E-37	0.250438	0.527	0.155	5.17E-33	CSCL1	STIM2
SLC39A3.9	3.51E-37	0.411938	0.841	0.329	5.24E-33	CSCL1	SLC39A3
IARS.7	3.53E-37	0.26995	0.627	0.203	5.27E-33	CSCL1	IARS
FSD1.10	3.54E-37	0.267964	0.507	0.148	5.28E-33	CSCL1	FSD1
RMDN3.5	3.72E-37	0.266285	0.692	0.233	5.55E-33	CSCL1	RMDN3
HINT2.6	4.05E-37	0.375028	0.856	0.337	6.05E-33	CSCL1	HINT2
IPO8.2	4.32E-37	0.152785	0.308	0.066	6.45E-33	CSCL1	IPO8
PTGFRN.7	4.32E-37	0.221546	0.393	0.099	6.46E-33	CSCL1	PTGFRN
PHLDA1.8	4.44E-37	0.540157	0.866	0.387	6.64E-33	CSCL1	PHLDA1
PKN1.6	5.26E-37	0.307574	0.687	0.235	7.86E-33	CSCL1	PKN1
CIAPIN1.7	5.38E-37	0.226453	0.741	0.251	8.04E-33	CSCL1	CIAPIN1
THAP10	5.61E-37	0.165479	0.229	0.04	8.38E-33	CSCL1	THAP10
LZIC.3	5.83E-37	0.228336	0.572	0.175	8.72E-33	CSCL1	LZIC
RP11-395G	5.93E-37	0.368207	0.557	0.171	8.86E-33	CSCL1	RP11-395G23.3
TMEM129.5	6.15E-37	0.253179	0.547	0.166	9.19E-33	CSCL1	TMEM129
CASP6.9	6.55E-37	0.242304	0.527	0.156	9.78E-33	CSCL1	CASP6
SLC2A4RG.	6.85E-37	0.249901	0.443	0.12	1.02E-32	CSCL1	SLC2A4RG
MTA1.9	7.03E-37	0.266634	0.587	0.183	1.05E-32	CSCL1	MTA1
POFUT1.6	7.22E-37	0.200233	0.423	0.111	1.08E-32	CSCL1	POFUT1
WDR77.3	7.32E-37	0.198114	0.637	0.202	1.09E-32	CSCL1	WDR77
ACP6.2	8.37E-37	0.141006	0.289	0.06	1.25E-32	CSCL1	ACP6
AC010642.	8.60E-37	0.238345	0.662	0.215	1.29E-32	CSCL1	AC010642.1
CKB.12	8.66E-37	0.491984	0.995	0.575	1.29E-32	CSCL1	CKB
KATNA1.3	8.79E-37	0.24067	0.468	0.133	1.31E-32	CSCL1	KATNA1
ELAC2.3	9.34E-37	0.222543	0.507	0.146	1.40E-32	CSCL1	ELAC2
NUDT4.4	1.04E-36	0.228795	0.622	0.196	1.56E-32	CSCL1	NUDT4
STON2.1	1.12E-36	0.170843	0.234	0.042	1.67E-32	CSCL1	STON2
KCNQ2.11	1.12E-36	0.283819	0.657	0.207	1.68E-32	CSCL1	KCNQ2
PRAF2.10	1.15E-36	0.340612	0.816	0.293	1.72E-32	CSCL1	PRAF2
HYAL2.12	1.31E-36	0.306561	0.657	0.215	1.96E-32	CSCL1	HYAL2
DAXX.5	1.45E-36	0.224109	0.622	0.196	2.16E-32	CSCL1	DAXX
CDCA7L.7	1.64E-36	0.241052	0.498	0.143	2.44E-32	CSCL1	CDCA7L
EIF1AY.1C	1.64E-36	0.307304	0.552	0.171	2.45E-32	CSCL1	EIF1AY
PITPNA.6	1.67E-36	0.268093	0.567	0.175	2.50E-32	CSCL1	PITPNA
RBM26.8	1.69E-36	0.241007	0.637	0.205	2.53E-32	CSCL1	RBM26
LARP6.9	1.70E-36	0.226565	0.597	0.186	2.55E-32	CSCL1	LARP6
DUS3L.5	1.70E-36	0.215368	0.488	0.137	2.55E-32	CSCL1	DUS3L
CBX5.10	1.76E-36	0.36589	0.851	0.335	2.64E-32	CSCL1	CBX5
PTPRZ1.12	2.00E-36	0.458251	0.935	0.374	2.99E-32	CSCL1	PTPRZ1
PEX10.8	2.04E-36	0.254214	0.592	0.185	3.06E-32	CSCL1	PEX10
CBY1.7	2.07E-36	0.209218	0.517	0.153	3.10E-32	CSCL1	CBY1
NDN.11	2.19E-36	0.2502	0.612	0.189	3.27E-32	CSCL1	NDN
TNKS.12	2.68E-36	0.249697	0.493	0.142	4.00E-32	CSCL1	TNKS
C1orf112.	2.97E-36	0.113051	0.219	0.037	4.44E-32	CSCL1	C1orf112
RFX3.3	3.08E-36	0.153666	0.318	0.07	4.60E-32	CSCL1	RFX3
ID4.11	3.09E-36	0.409484	0.632	0.208	4.62E-32	CSCL1	ID4
PDE6D.8	3.12E-36	0.23466	0.587	0.182	4.66E-32	CSCL1	PDE6D
SORBS1.8	3.13E-36	0.213213	0.363	0.088	4.68E-32	CSCL1	SORBS1
SEPN1.9	3.17E-36	0.261078	0.637	0.202	4.73E-32	CSCL1	SEPN1
C22orf39.	3.22E-36	0.354799	0.697	0.252	4.81E-32	CSCL1	C22orf39



POLA2.2	3.30E-36	0.186433	0.254	0.048	4.93E-32	CSCL1	POLA2
TRAF4.11	3.38E-36	0.384671	0.726	0.261	5.05E-32	CSCL1	TRAF4
GTF2A1.2	3.45E-36	0.172059	0.403	0.103	5.15E-32	CSCL1	GTF2A1
PCNXL4.1	3.73E-36	0.172961	0.438	0.118	5.57E-32	CSCL1	PCNXL4
KLHL13.11	3.83E-36	0.224173	0.378	0.094	5.72E-32	CSCL1	KLHL13
CAPN2.7	4.04E-36	0.283688	0.711	0.244	6.03E-32	CSCL1	CAPN2
ARHGAP35.4	3.6E-36	0.283694	0.478	0.14	6.51E-32	CSCL1	ARHGAP35
ZNF76.1	4.55E-36	0.21509	0.383	0.096	6.79E-32	CSCL1	ZNF76
DCAKD.9	4.72E-36	0.205859	0.473	0.133	7.05E-32	CSCL1	DCAKD
GTPBP6.5	4.96E-36	0.216685	0.642	0.204	7.41E-32	CSCL1	GTPBP6
PRR14.6	5.48E-36	0.19173	0.617	0.193	8.18E-32	CSCL1	PRR14
MESP1.8	5.50E-36	0.244104	0.453	0.126	8.22E-32	CSCL1	MESP1
ATP5SL.6	5.66E-36	0.194384	0.677	0.223	8.45E-32	CSCL1	ATP5SL
SNRPA.5	5.93E-36	0.26426	0.706	0.245	8.86E-32	CSCL1	SNRPA
FTSJ1.2	6.47E-36	0.192128	0.468	0.131	9.67E-32	CSCL1	FTSJ1
AP3D1.7	6.50E-36	0.374681	0.786	0.3	9.72E-32	CSCL1	AP3D1
TAF6.7	6.57E-36	0.226062	0.687	0.228	9.81E-32	CSCL1	TAF6
ZNF714.6	6.62E-36	0.235986	0.388	0.098	9.89E-32	CSCL1	ZNF714
RP11-332H	6.80E-36	0.219002	0.443	0.121	1.02E-31	CSCL1	RP11-332H14.2
GSTCD	6.82E-36	0.164011	0.219	0.038	1.02E-31	CSCL1	GSTCD
NTN1.7	6.99E-36	0.211927	0.333	0.078	1.04E-31	CSCL1	NTN1
RBM12.3	8.34E-36	0.198758	0.433	0.117	1.25E-31	CSCL1	RBM12
GPRC5B.1C	9.26E-36	0.189246	0.647	0.211	1.38E-31	CSCL1	GPRC5B
RAB23.2	9.27E-36	0.162867	0.244	0.046	1.39E-31	CSCL1	RAB23
NIPA2.8	9.51E-36	0.23672	0.746	0.256	1.42E-31	CSCL1	NIPA2
WDR18.9	1.02E-35	0.328642	0.771	0.277	1.52E-31	CSCL1	WDR18
PAF1.2	1.05E-35	0.208048	0.627	0.203	1.56E-31	CSCL1	PAF1
RBMXL1.4	1.05E-35	0.18029	0.507	0.147	1.57E-31	CSCL1	RBMXL1
DSCC1.6	1.07E-35	0.195945	0.274	0.056	1.60E-31	CSCL1	DSCC1
RNF19A.11	1.18E-35	0.314508	0.602	0.195	1.77E-31	CSCL1	RNF19A
NFIX.11	1.19E-35	0.367796	0.851	0.323	1.78E-31	CSCL1	NFIX
MIS12.7	1.23E-35	0.197618	0.478	0.136	1.84E-31	CSCL1	MIS12
STRN4.7	1.26E-35	0.194944	0.438	0.118	1.88E-31	CSCL1	STRN4
MORC4.3	1.30E-35	0.216011	0.274	0.057	1.94E-31	CSCL1	MORC4
AAMDC.9	1.32E-35	0.154263	0.617	0.199	1.97E-31	CSCL1	AAMDC
CERS1.9	1.42E-35	0.229705	0.443	0.122	2.12E-31	CSCL1	CERS1
STK25.10	1.43E-35	0.281073	0.816	0.293	2.14E-31	CSCL1	STK25
MCRS1.6	1.43E-35	0.233963	0.746	0.262	2.14E-31	CSCL1	MCRS1
EBNA1BP2.1	1.47E-35	0.295046	0.881	0.344	2.20E-31	CSCL1	EBNA1BP2
MED16.6	1.48E-35	0.24573	0.512	0.153	2.20E-31	CSCL1	MED16
MTHFD2L.7	1.52E-35	0.261253	0.612	0.199	2.27E-31	CSCL1	MTHFD2L
BLMH.5	1.58E-35	0.206118	0.552	0.169	2.36E-31	CSCL1	BLMH
TOMM34.6	1.60E-35	0.219923	0.458	0.131	2.40E-31	CSCL1	TOMM34
DCAF11.5	1.62E-35	0.199205	0.587	0.183	2.43E-31	CSCL1	DCAF11
HEY2.7	1.68E-35	0.195843	0.284	0.06	2.51E-31	CSCL1	HEY2
PPOX.4	1.70E-35	0.185704	0.403	0.104	2.54E-31	CSCL1	PPOX
NUDT15.2	1.77E-35	0.170168	0.398	0.102	2.64E-31	CSCL1	NUDT15
PPP2CB.12	1.78E-35	0.359505	0.781	0.288	2.66E-31	CSCL1	PPP2CB
PYCR1.8	1.85E-35	0.246412	0.567	0.178	2.77E-31	CSCL1	PYCR1
GSPT1.8	1.87E-35	0.386015	0.841	0.34	2.80E-31	CSCL1	GSPT1
GINS4.2	1.91E-35	0.162408	0.229	0.041	2.85E-31	CSCL1	GINS4

GOLM1.11	1.95E-35	0.32783	0.841	0.307	2.92E-31	CSCL1	GOLM1
GANAB.6	1.98E-35	0.291736	0.741	0.264	2.96E-31	CSCL1	GANAB
CCDC58.7	2.11E-35	0.231005	0.478	0.138	3.15E-31	CSCL1	CCDC58
ABI2.10	2.17E-35	0.374328	0.886	0.352	3.24E-31	CSCL1	ABI2
COLGALT2.2	2.28E-35	0.231788	0.468	0.133	3.41E-31	CSCL1	COLGALT2
TTYH1.12	2.47E-35	0.337571	0.741	0.26	3.69E-31	CSCL1	TTYH1
OXCT1.7	2.51E-35	0.228949	0.488	0.142	3.76E-31	CSCL1	OXCT1
NCLN.5	2.57E-35	0.225635	0.527	0.158	3.83E-31	CSCL1	NCLN
PPP5C.8	2.57E-35	0.217658	0.552	0.17	3.84E-31	CSCL1	PPP5C
SEMA6A.9	2.57E-35	0.29363	0.602	0.192	3.84E-31	CSCL1	SEMA6A
ATG4D.6	2.94E-35	0.259349	0.512	0.154	4.40E-31	CSCL1	ATG4D
ITGB1BP1.2	2.98E-35	0.316737	0.886	0.378	4.46E-31	CSCL1	ITGB1BP1
IARS2.2	3.22E-35	0.203022	0.617	0.196	4.81E-31	CSCL1	IARS2
BCHE.9	3.27E-35	0.327769	0.557	0.18	4.89E-31	CSCL1	BCHE
LYRM1.9	3.29E-35	0.182831	0.567	0.177	4.92E-31	CSCL1	LYRM1
CEP57.7	3.56E-35	0.2552	0.657	0.223	5.32E-31	CSCL1	CEP57
POLDIP2.1	3.83E-35	0.39805	0.856	0.338	5.72E-31	CSCL1	POLDIP2
TEN1.7	3.83E-35	0.227907	0.557	0.172	5.72E-31	CSCL1	TEN1
SUCO.6	4.02E-35	0.213692	0.502	0.148	6.01E-31	CSCL1	SUCO
ST3GAL3.8	4.35E-35	0.194552	0.343	0.082	6.50E-31	CSCL1	ST3GAL3
NID1.1	4.35E-35	0.166108	0.239	0.045	6.50E-31	CSCL1	NID1
ING1.5	4.42E-35	0.137955	0.468	0.13	6.61E-31	CSCL1	ING1
TMEM99.7	4.52E-35	0.192374	0.443	0.122	6.75E-31	CSCL1	TMEM99
GEMIN6.4	4.56E-35	0.210978	0.517	0.156	6.81E-31	CSCL1	GEMIN6
PTCD3.8	4.56E-35	0.231725	0.672	0.222	6.82E-31	CSCL1	PTCD3
B9D2.3	4.58E-35	0.165385	0.333	0.078	6.85E-31	CSCL1	B9D2
ZNF830.7	4.63E-35	0.194275	0.582	0.184	6.92E-31	CSCL1	ZNF830
IPO5.7	5.32E-35	0.251918	0.632	0.209	7.94E-31	CSCL1	IPO5
MEX3D.7	5.35E-35	0.17495	0.279	0.058	8.00E-31	CSCL1	MEX3D
PDHA1.5	5.41E-35	0.225072	0.816	0.294	8.08E-31	CSCL1	PDHA1
PMP2.11	6.02E-35	0.394841	0.876	0.341	9.00E-31	CSCL1	PMP2
KCTD9.2	6.14E-35	0.164996	0.259	0.051	9.18E-31	CSCL1	KCTD9
CS.4	6.49E-35	0.206312	0.517	0.155	9.69E-31	CSCL1	CS
ING5.5	6.57E-35	0.166709	0.418	0.111	9.82E-31	CSCL1	ING5
COIL.9	6.82E-35	0.202591	0.572	0.178	1.02E-30	CSCL1	COIL
MANBAL.12	7.53E-35	0.26493	0.886	0.325	1.13E-30	CSCL1	MANBAL
NUP54.6	9.43E-35	0.187251	0.557	0.171	1.41E-30	CSCL1	NUP54
UBXN2A.8	1.00E-34	0.255465	0.567	0.181	1.50E-30	CSCL1	UBXN2A
C20orf96.1	1.14E-34	0.202804	0.493	0.144	1.70E-30	CSCL1	C20orf96
TNFAIP1.9	1.18E-34	0.238277	0.547	0.169	1.76E-30	CSCL1	TNFAIP1
MLST8.8	1.19E-34	0.218699	0.677	0.229	1.78E-30	CSCL1	MLST8
ADSL.7	1.20E-34	0.210645	0.721	0.249	1.80E-30	CSCL1	ADSL
FKBP10.11	1.22E-34	0.230018	0.632	0.205	1.82E-30	CSCL1	FKBP10
CNIH2.11	1.27E-34	0.261094	0.443	0.124	1.90E-30	CSCL1	CNIH2
HDAC1.7	1.28E-34	0.235841	0.642	0.218	1.92E-30	CSCL1	HDAC1
ZNF100.2	1.43E-34	0.137039	0.294	0.063	2.13E-30	CSCL1	ZNF100
PHF1.6	1.47E-34	0.191777	0.537	0.163	2.20E-30	CSCL1	PHF1
C12orf29.1	1.48E-34	0.18765	0.498	0.147	2.21E-30	CSCL1	C12orf29
LMAN2L.7	1.53E-34	0.238283	0.403	0.109	2.29E-30	CSCL1	LMAN2L
OARD1.5	1.54E-34	0.164941	0.672	0.224	2.31E-30	CSCL1	OARD1
YTHDF1.5	1.59E-34	0.245238	0.557	0.176	2.38E-30	CSCL1	YTHDF1

NACC2.8	1.84E-34	0.172413	0.383	0.098	2.75E-30	CSCL1	NACC2
MBOAT2.11	1.87E-34	0.239055	0.557	0.175	2.80E-30	CSCL1	MBOAT2
ADA.7	1.91E-34	0.231513	0.353	0.088	2.85E-30	CSCL1	ADA
SSFA2.8	2.00E-34	0.233262	0.567	0.179	2.98E-30	CSCL1	SSFA2
OTUD4.4	2.04E-34	0.194762	0.373	0.094	3.04E-30	CSCL1	OTUD4
DCAF16.7	2.37E-34	0.161957	0.423	0.114	3.54E-30	CSCL1	DCAF16
TMEM160.1	2.44E-34	0.441373	0.95	0.457	3.64E-30	CSCL1	TMEM160
H1FX.11	2.54E-34	0.434628	0.866	0.376	3.79E-30	CSCL1	H1FX
CHAC2.1	2.59E-34	0.177127	0.229	0.043	3.87E-30	CSCL1	CHAC2
RALY.6	2.59E-34	0.435092	0.955	0.447	3.88E-30	CSCL1	RALY
SCUBE2	2.62E-34	0.111218	0.149	0.02	3.92E-30	CSCL1	SCUBE2
LSM14B.5	2.63E-34	0.246377	0.368	0.096	3.94E-30	CSCL1	LSM14B
ELP5.7	2.71E-34	0.255483	0.726	0.259	4.05E-30	CSCL1	ELP5
RAB28.1	2.74E-34	0.154372	0.642	0.21	4.10E-30	CSCL1	RAB28
CCAR1.4	2.97E-34	0.225447	0.701	0.242	4.44E-30	CSCL1	CCAR1
ADAMTS6.7	3.09E-34	0.202014	0.284	0.062	4.62E-30	CSCL1	ADAMTS6
PSMG4.6	3.21E-34	0.234104	0.587	0.191	4.79E-30	CSCL1	PSMG4
SNX5.8	3.38E-34	0.373087	0.871	0.386	5.05E-30	CSCL1	SNX5
HSPBP1.8	3.38E-34	0.253347	0.786	0.279	5.05E-30	CSCL1	HSPBP1
RBBP7.8	3.39E-34	0.306596	0.95	0.415	5.06E-30	CSCL1	RBBP7
NAV2.8	3.59E-34	0.213188	0.418	0.112	5.37E-30	CSCL1	NAV2
RP11-345J	3.72E-34	0.275064	0.657	0.227	5.56E-30	CSCL1	RP11-345J4.5
PTBP1.8	3.86E-34	0.297111	0.831	0.314	5.76E-30	CSCL1	PTBP1
BCAM.9	3.86E-34	0.188616	0.393	0.104	5.77E-30	CSCL1	BCAM
KNOP1.9	3.93E-34	0.235395	0.726	0.251	5.87E-30	CSCL1	KNOP1
SNAI2.6	4.26E-34	0.159133	0.209	0.037	6.36E-30	CSCL1	SNAI2
FOS.8	4.43E-34	-0.89946	0.796	0.841	6.61E-30	CSCL1	FOS
SMC1A.3	4.46E-34	0.245635	0.632	0.21	6.67E-30	CSCL1	SMC1A
NBPF10.6	4.76E-34	0.255579	0.473	0.14	7.11E-30	CSCL1	NBPF10
ECI2.9	4.96E-34	0.317799	0.821	0.314	7.41E-30	CSCL1	ECI2
NOL11.8	5.13E-34	0.189526	0.577	0.182	7.67E-30	CSCL1	NOL11
PLXNB2.8	5.36E-34	0.169522	0.502	0.151	8.01E-30	CSCL1	PLXNB2
TOP1.7	5.43E-34	0.403589	0.891	0.38	8.12E-30	CSCL1	TOP1
CASC4.7	5.45E-34	0.275296	0.642	0.217	8.15E-30	CSCL1	CASC4
SPATS2.10	5.63E-34	0.250231	0.711	0.251	8.41E-30	CSCL1	SPATS2
MPPED2.9	5.94E-34	0.315486	0.343	0.085	8.88E-30	CSCL1	MPPED2
MOXD1.9	6.30E-34	0.180757	0.249	0.05	9.41E-30	CSCL1	MOXD1
MBOAT7.9	6.59E-34	0.270157	0.677	0.235	9.85E-30	CSCL1	MBOAT7
PSAT1.11	6.86E-34	0.210498	0.607	0.196	1.02E-29	CSCL1	PSAT1
CUEDC1.8	6.87E-34	0.18533	0.408	0.109	1.03E-29	CSCL1	CUEDC1
ACBD6.7	6.87E-34	0.261614	0.741	0.269	1.03E-29	CSCL1	ACBD6
GLIS3.5	7.07E-34	0.219852	0.313	0.073	1.06E-29	CSCL1	GLIS3
RBM42.7	7.22E-34	0.357809	0.915	0.377	1.08E-29	CSCL1	RBM42
C1QTNF6.1	7.68E-34	0.15895	0.209	0.037	1.15E-29	CSCL1	C1QTNF6
C5orf24.1	8.14E-34	0.304876	0.786	0.287	1.22E-29	CSCL1	C5orf24
TRAF7.7	9.11E-34	0.207511	0.572	0.183	1.36E-29	CSCL1	TRAF7
SPRY1.11	9.17E-34	0.344044	0.657	0.225	1.37E-29	CSCL1	SPRY1
ELOVL5.5	9.53E-34	0.266155	0.836	0.315	1.42E-29	CSCL1	ELOVL5
SNAPC1.7	9.86E-34	0.157127	0.572	0.181	1.47E-29	CSCL1	SNAPC1
SLAIN1.11	9.97E-34	0.203123	0.597	0.196	1.49E-29	CSCL1	SLAIN1
PRTFDC1.7	1.01E-33	0.153473	0.458	0.129	1.51E-29	CSCL1	PRTFDC1

PLAT. 9	1. 03E-33	0. 231098	0. 413	0. 114	1. 54E-29	CSCL1	PLAT
CABIN1. 5	1. 04E-33	0. 149394	0. 453	0. 127	1. 56E-29	CSCL1	CABIN1
ZW10. 1	1. 07E-33	0. 149805	0. 274	0. 058	1. 60E-29	CSCL1	ZW10
SH3GLB2. 6	1. 07E-33	0. 157231	0. 418	0. 113	1. 61E-29	CSCL1	SH3GLB2
BCL3. 7	1. 14E-33	0. 185032	0. 313	0. 073	1. 70E-29	CSCL1	BCL3
PIGF. 9	1. 16E-33	0. 171652	0. 776	0. 279	1. 73E-29	CSCL1	PIGF
TRMT61A. 3	1. 17E-33	0. 166713	0. 438	0. 122	1. 75E-29	CSCL1	TRMT61A
ACTN1. 9	1. 22E-33	0. 342263	0. 677	0. 248	1. 83E-29	CSCL1	ACTN1
SMARCA5. 9	1. 26E-33	0. 339242	0. 871	0. 339	1. 88E-29	CSCL1	SMARCA5
TTF1. 5	1. 30E-33	0. 240661	0. 592	0. 196	1. 95E-29	CSCL1	TTF1
SPP1. 9	1. 42E-33	-0. 89659	0. 851	0. 854	2. 12E-29	CSCL1	SPP1
CHPT1. 9	1. 48E-33	0. 327446	0. 801	0. 294	2. 21E-29	CSCL1	CHPT1
MMAB. 7	1. 50E-33	0. 174587	0. 592	0. 19	2. 25E-29	CSCL1	MMAB
GID8. 5	1. 51E-33	0. 256419	0. 677	0. 239	2. 26E-29	CSCL1	GID8
EHBP1. 9	1. 51E-33	0. 268393	0. 522	0. 161	2. 26E-29	CSCL1	EHBP1
ARMC6. 6	1. 52E-33	0. 220847	0. 507	0. 155	2. 27E-29	CSCL1	ARMC6
PPAT. 9	1. 52E-33	0. 217849	0. 473	0. 138	2. 27E-29	CSCL1	PPAT
XRCC1. 1	1. 54E-33	0. 181694	0. 428	0. 118	2. 30E-29	CSCL1	XRCC1
LRRFIP2. 6	1. 56E-33	0. 217453	0. 567	0. 181	2. 33E-29	CSCL1	LRRFIP2
FYN. 10	1. 57E-33	0. 341219	0. 846	0. 317	2. 35E-29	CSCL1	FYN
KIF9. 10	1. 58E-33	0. 2194	0. 527	0. 168	2. 36E-29	CSCL1	KIF9
MTRF1L. 8	1. 83E-33	0. 283283	0. 562	0. 183	2. 73E-29	CSCL1	MTRF1L
HNRNPD. 1C	1. 89E-33	0. 4126	0. 905	0. 406	2. 82E-29	CSCL1	HNRNPD
KEAP1. 7	1. 95E-33	0. 282408	0. 731	0. 264	2. 91E-29	CSCL1	KEAP1
LYRM2. 5	2. 04E-33	0. 281239	0. 761	0. 286	3. 05E-29	CSCL1	LYRM2
CCDC109B. 2	0. 4E-33	0. 413163	0. 836	0. 34	3. 05E-29	CSCL1	CCDC109B
TRAF3IP2-AS1. 2	1. 1E-33	0. 189169	0. 318	0. 076	3. 15E-29	CSCL1	TRAF3IP2-AS1
PFAS. 2	2. 2E-33	0. 118063	0. 209	0. 037	3. 32E-29	CSCL1	PFAS
WDR5. 3	2. 3E-33	0. 186043	0. 418	0. 114	3. 51E-29	CSCL1	WDR5
PRRC2A. 6	2. 5E-33	0. 27283	0. 662	0. 236	3. 74E-29	CSCL1	PRRC2A
AC093323. 2	2. 5E-33	0. 207556	0. 358	0. 091	3. 74E-29	CSCL1	AC093323. 3
HAGH. 7	2. 5E-33	0. 326521	0. 851	0. 344	3. 80E-29	CSCL1	HAGH
MPND. 3	2. 9E-33	0. 179108	0. 348	0. 086	4. 44E-29	CSCL1	MPND
HAUS3. 3	3. 3E-33	0. 16356	0. 333	0. 08	5. 03E-29	CSCL1	HAUS3
SLC4A2. 2	3. 7E-33	0. 152433	0. 483	0. 14	5. 56E-29	CSCL1	SLC4A2
SMPD4. 3	4. 1E-33	0. 15494	0. 383	0. 099	6. 16E-29	CSCL1	SMPD4
PYGB. 7	4. 1E-33	0. 249623	0. 607	0. 204	6. 22E-29	CSCL1	PYGB
ZNF146. 9	4. 1E-33	0. 194167	0. 657	0. 22	6. 26E-29	CSCL1	ZNF146
TMEM132A. 4	3. 0E-33	0. 219206	0. 473	0. 139	6. 42E-29	CSCL1	TMEM132A
BEND6. 10	4. 6E-33	0. 253583	0. 408	0. 114	6. 96E-29	CSCL1	BEND6
PET117. 5	4. 9E-33	0. 177869	0. 552	0. 173	7. 41E-29	CSCL1	PET117
HMGCR. 7	4. 9E-33	0. 1748	0. 393	0. 104	7. 41E-29	CSCL1	HMGCR
INIP. 5	5. 4E-33	0. 169955	0. 587	0. 19	8. 12E-29	CSCL1	INIP
DDX52. 8	5. 4E-33	0. 235962	0. 677	0. 236	8. 20E-29	CSCL1	DDX52
EXOSC10. 4	5. 7E-33	0. 162037	0. 478	0. 141	8. 62E-29	CSCL1	EXOSC10
UBE2Q1. 4	6. 0E-33	0. 186149	0. 512	0. 155	8. 99E-29	CSCL1	UBE2Q1
U2AF2. 5	6. 0E-33	0. 208723	0. 711	0. 249	9. 07E-29	CSCL1	U2AF2
SLC35A5. 6	6. 2E-33	0. 177592	0. 567	0. 18	9. 31E-29	CSCL1	SLC35A5
ROCK2. 5	6. 4E-33	0. 229372	0. 483	0. 146	9. 70E-29	CSCL1	ROCK2
HAUS6. 4	6. 5E-33	0. 180288	0. 343	0. 084	9. 77E-29	CSCL1	HAUS6
HSPA13. 1C	6. 8E-33	0. 215641	0. 592	0. 193	1. 02E-28	CSCL1	HSPA13

ABHD2.6	7.02E-33	0.260062	0.642	0.222	1.05E-28	CSCL1	ABHD2
SAP130.1	7.58E-33	0.137422	0.239	0.047	1.13E-28	CSCL1	SAP130
CRK.7	8.25E-33	0.322225	0.806	0.308	1.23E-28	CSCL1	CRK
ASAP3.1	8.26E-33	0.167759	0.199	0.035	1.23E-28	CSCL1	ASAP3
MZT2B.8	9.35E-33	0.39855	0.965	0.587	1.40E-28	CSCL1	MZT2B
TOMM40.9	9.69E-33	0.33355	0.821	0.319	1.45E-28	CSCL1	TOMM40
HIVEP3.8	9.89E-33	0.231194	0.488	0.147	1.48E-28	CSCL1	HIVEP3
IFT43.9	1.01E-32	0.184246	0.701	0.249	1.51E-28	CSCL1	IFT43
THY1.10	1.04E-32	0.261599	0.701	0.248	1.55E-28	CSCL1	THY1
COL22A1.8	1.17E-32	0.242774	0.294	0.068	1.75E-28	CSCL1	COL22A1
KCMF1.7	1.18E-32	0.217192	0.572	0.184	1.76E-28	CSCL1	KCMF1
CCDC92.7	1.19E-32	0.163784	0.373	0.097	1.78E-28	CSCL1	CCDC92
LIPE.5	1.21E-32	0.153606	0.269	0.057	1.81E-28	CSCL1	LIPE
C9orf114.1	1.25E-32	0.217744	0.458	0.136	1.87E-28	CSCL1	C9orf114
CCDC86.1	1.40E-32	0.166994	0.378	0.1	2.09E-28	CSCL1	CCDC86
ZNF579.8	1.40E-32	0.208034	0.398	0.109	2.09E-28	CSCL1	ZNF579
WBP11.3	1.41E-32	0.225662	0.771	0.282	2.11E-28	CSCL1	WBP11
TLK2.4	1.53E-32	0.208011	0.418	0.118	2.29E-28	CSCL1	TLK2
COQ9.8	1.67E-32	0.186553	0.687	0.234	2.50E-28	CSCL1	COQ9
TSR1.7	1.68E-32	0.193563	0.567	0.183	2.51E-28	CSCL1	TSR1
BNIP3.9	1.70E-32	0.197418	0.607	0.208	2.54E-28	CSCL1	BNIP3
CSNK1G3.9	1.72E-32	0.210281	0.488	0.147	2.57E-28	CSCL1	CSNK1G3
HSPA14.5	1.73E-32	0.173955	0.463	0.136	2.59E-28	CSCL1	HSPA14
SLC35F2.7	1.78E-32	0.224545	0.383	0.103	2.66E-28	CSCL1	SLC35F2
TXLNA.5	1.79E-32	0.209722	0.453	0.134	2.67E-28	CSCL1	TXLNA
RABEPK.8	1.96E-32	0.166108	0.587	0.193	2.93E-28	CSCL1	RABEPK
CSNK1G2.6	2.01E-32	0.245117	0.458	0.137	3.00E-28	CSCL1	CSNK1G2
RANBP3.5	2.03E-32	0.18968	0.642	0.215	3.03E-28	CSCL1	RANBP3
MYO10.11	2.07E-32	0.230003	0.572	0.188	3.09E-28	CSCL1	MYO10
SCO1.5	2.07E-32	0.223491	0.512	0.16	3.10E-28	CSCL1	SCO1
TWF1.6	2.07E-32	0.258638	0.706	0.256	3.10E-28	CSCL1	TWF1
CLPX.1	2.08E-32	0.185784	0.478	0.143	3.11E-28	CSCL1	CLPX
PARVA.9	2.10E-32	0.201797	0.353	0.091	3.14E-28	CSCL1	PARVA
HEBP2.7	2.19E-32	0.302407	0.612	0.212	3.28E-28	CSCL1	HEBP2
CHCHD4.3	2.26E-32	0.160346	0.398	0.109	3.37E-28	CSCL1	CHCHD4
ARL17A	2.30E-32	0.12895	0.254	0.053	3.44E-28	CSCL1	ARL17A
FZD3.9	2.34E-32	0.291629	0.746	0.268	3.49E-28	CSCL1	FZD3
KRR1.3	2.62E-32	0.208431	0.642	0.224	3.91E-28	CSCL1	KRR1
PPIL3.3	2.66E-32	0.19789	0.612	0.206	3.97E-28	CSCL1	PPIL3
SGCB.9	2.82E-32	0.221617	0.836	0.317	4.22E-28	CSCL1	SGCB
SIX5.1	2.84E-32	0.138935	0.199	0.035	4.25E-28	CSCL1	SIX5
SPTBN1.1C	2.94E-32	0.273178	0.731	0.266	4.40E-28	CSCL1	SPTBN1
ANK2.11	3.02E-32	0.231558	0.507	0.158	4.51E-28	CSCL1	ANK2
REEP3.7	3.17E-32	0.292792	0.667	0.237	4.74E-28	CSCL1	REEP3
NCOA3.6	3.19E-32	0.155727	0.428	0.12	4.76E-28	CSCL1	NCOA3
PKIG.10	3.19E-32	0.237579	0.801	0.302	4.76E-28	CSCL1	PKIG
GLO1.9	3.31E-32	0.306496	0.95	0.401	4.94E-28	CSCL1	GLO1
C12orf43.3	3.36E-32	0.166327	0.498	0.151	5.02E-28	CSCL1	C12orf43
RBM10.7	3.65E-32	0.21449	0.587	0.195	5.45E-28	CSCL1	RBM10
ECSIT.7	3.72E-32	0.224121	0.711	0.26	5.56E-28	CSCL1	ECSIT
AIMP2.7	3.92E-32	0.175885	0.672	0.233	5.86E-28	CSCL1	AIMP2

SLX4IP. 3	3. 96E-32	0. 116211	0. 259	0. 054	5. 92E-28	CSCL1	SLX4IP
CD82. 7	4. 16E-32	0. 29968	0. 637	0. 232	6. 22E-28	CSCL1	CD82
IGF2BP2. 9	4. 25E-32	0. 234175	0. 313	0. 076	6. 36E-28	CSCL1	IGF2BP2
FAM136A. 4	4. 64E-32	0. 211125	0. 711	0. 254	6. 94E-28	CSCL1	FAM136A
PIN1. 6	4. 75E-32	0. 35582	0. 975	0. 529	7. 10E-28	CSCL1	PIN1
RASSF8. 7	4. 79E-32	0. 184867	0. 333	0. 083	7. 17E-28	CSCL1	RASSF8
AP3B1. 5	4. 86E-32	0. 194766	0. 522	0. 164	7. 26E-28	CSCL1	AP3B1
CKAP4. 10	4. 99E-32	0. 279481	0. 597	0. 203	7. 45E-28	CSCL1	CKAP4
MCC. 8	5. 22E-32	0. 204868	0. 413	0. 116	7. 80E-28	CSCL1	MCC
SDAD1. 6	5. 24E-32	0. 206409	0. 622	0. 211	7. 83E-28	CSCL1	SDAD1
RPGRIP1L. 5	5. 56E-32	0. 165387	0. 254	0. 054	8. 31E-28	CSCL1	RPGRIP1L
ICT1. 5	5. 81E-32	0. 260529	0. 637	0. 229	8. 69E-28	CSCL1	ICT1
FGFR1. 7	5. 88E-32	0. 200026	0. 522	0. 164	8. 79E-28	CSCL1	FGFR1
GINS3. 1	6. 05E-32	0. 144273	0. 189	0. 032	9. 05E-28	CSCL1	GINS3
GINS2. 7	6. 18E-32	0. 236187	0. 363	0. 095	9. 23E-28	CSCL1	GINS2
RSPRY1. 10	6. 18E-32	0. 243017	0. 672	0. 241	9. 24E-28	CSCL1	RSPRY1
CTDNEP1. 6	6. 76E-32	0. 361191	0. 786	0. 305	1. 01E-27	CSCL1	CTDNEP1
BOLA3. 7	6. 80E-32	0. 279127	0. 821	0. 327	1. 02E-27	CSCL1	BOLA3
TMEM98. 9	6. 83E-32	0. 220602	0. 662	0. 227	1. 02E-27	CSCL1	TMEM98
TMEM203. 9	7. 19E-32	0. 284192	0. 682	0. 245	1. 07E-27	CSCL1	TMEM203
RHOBTB3. 1	7. 81E-32	0. 379523	0. 94	0. 399	1. 17E-27	CSCL1	RHOBTB3
POLRMT. 4	8. 07E-32	0. 183989	0. 438	0. 126	1. 21E-27	CSCL1	POLRMT
PAFAH2	8. 31E-32	0. 130511	0. 234	0. 046	1. 24E-27	CSCL1	PAFAH2
TFDP1. 7	8. 51E-32	0. 219217	0. 567	0. 185	1. 27E-27	CSCL1	TFDP1
SLC22A4. 1	8. 70E-32	0. 194525	0. 224	0. 044	1. 30E-27	CSCL1	SLC22A4
SNAPC2. 5	8. 96E-32	0. 216241	0. 592	0. 196	1. 34E-27	CSCL1	SNAPC2
RNF8. 7	8. 98E-32	0. 179942	0. 517	0. 161	1. 34E-27	CSCL1	RNF8
DVL3. 6	9. 00E-32	0. 196803	0. 488	0. 148	1. 34E-27	CSCL1	DVL3
TBC1D20. 6	9. 06E-32	0. 236251	0. 542	0. 177	1. 35E-27	CSCL1	TBC1D20
RAE1. 7	9. 88E-32	0. 223536	0. 711	0. 26	1. 48E-27	CSCL1	RAE1
HMGB1. 6	1. 01E-31	0. 152195	1	0. 859	1. 50E-27	CSCL1	HMGB1
GTPBP8. 2	1. 04E-31	0. 142211	0. 388	0. 105	1. 55E-27	CSCL1	GTPBP8
EIF1. 9	1. 12E-31	-0. 43994	1	0. 973	1. 68E-27	CSCL1	EIF1
ZADH2. 3	1. 14E-31	0. 214866	0. 368	0. 099	1. 70E-27	CSCL1	ZADH2
NAT14. 8	1. 19E-31	0. 260502	0. 532	0. 173	1. 78E-27	CSCL1	NAT14
EBPL. 9	1. 21E-31	0. 313761	0. 766	0. 294	1. 80E-27	CSCL1	EBPL
STIP1. 7	1. 21E-31	0. 306372	0. 871	0. 363	1. 81E-27	CSCL1	STIP1
TUG1. 9	1. 23E-31	0. 193256	0. 532	0. 169	1. 84E-27	CSCL1	TUG1
ISCA2. 6	1. 24E-31	0. 189442	0. 741	0. 273	1. 85E-27	CSCL1	ISCA2
RP11-538P	1. 25E-31	0. 159443	0. 323	0. 079	1. 87E-27	CSCL1	RP11-538P18. 2
IFT46. 6	1. 27E-31	0. 172499	0. 383	0. 104	1. 90E-27	CSCL1	IFT46
FAM43A. 1	1. 31E-31	0. 195896	0. 199	0. 036	1. 96E-27	CSCL1	FAM43A
UNC119. 7	1. 32E-31	0. 203549	0. 622	0. 21	1. 97E-27	CSCL1	UNC119
CDYL. 7	1. 40E-31	0. 220099	0. 393	0. 11	2. 09E-27	CSCL1	CDYL
ZNF174. 7	1. 46E-31	0. 155465	0. 289	0. 066	2. 17E-27	CSCL1	ZNF174
SUCLA2. 7	1. 47E-31	0. 172746	0. 771	0. 279	2. 20E-27	CSCL1	SUCLA2
KIF3B. 11	1. 48E-31	0. 232484	0. 428	0. 125	2. 22E-27	CSCL1	KIF3B
PRKAR2A. 5	1. 48E-31	0. 225571	0. 677	0. 241	2. 22E-27	CSCL1	PRKAR2A
LYAR. 6	1. 54E-31	0. 152617	0. 532	0. 168	2. 30E-27	CSCL1	LYAR
PDRG1. 9	1. 55E-31	0. 210423	0. 721	0. 26	2. 32E-27	CSCL1	PDRG1
GBA. 6	1. 58E-31	0. 108175	0. 438	0. 125	2. 36E-27	CSCL1	GBA

PSMD10.1	1.61E-31	0.122947	0.542	0.171	2.41E-27	CSCL1	PSMD10
SPATA5	1.61E-31	0.104189	0.199	0.035	2.41E-27	CSCL1	SPATA5
ZNF664.9	1.65E-31	0.193212	0.473	0.143	2.47E-27	CSCL1	ZNF664
IFT80.6	1.68E-31	0.15592	0.289	0.067	2.52E-27	CSCL1	IFT80
ARHGEF12.1	1.81E-31	0.173808	0.502	0.154	2.70E-27	CSCL1	ARHGEF12
GPS1.8	1.83E-31	0.276605	0.806	0.316	2.73E-27	CSCL1	GPS1
FADD.5	1.85E-31	0.199481	0.443	0.131	2.76E-27	CSCL1	FADD
VRK3.8	1.95E-31	0.193694	0.617	0.211	2.91E-27	CSCL1	VRK3
PIGU.8	1.97E-31	0.147157	0.522	0.165	2.95E-27	CSCL1	PIGU
C11orf24.1	1.99E-31	0.213233	0.453	0.137	2.97E-27	CSCL1	C11orf24
MYCBP.7	2.11E-31	0.107509	0.348	0.089	3.15E-27	CSCL1	MYCBP
IMPAD1.6	2.25E-31	0.202164	0.552	0.18	3.36E-27	CSCL1	IMPAD1
PXN.5	2.26E-31	0.184396	0.418	0.119	3.37E-27	CSCL1	PXN
FAT1.8	2.31E-31	0.216325	0.274	0.063	3.45E-27	CSCL1	FAT1
TWSG1.4	2.51E-31	0.127891	0.507	0.157	3.75E-27	CSCL1	TWSG1
OTUD6B.8	2.52E-31	0.192771	0.408	0.114	3.77E-27	CSCL1	OTUD6B
PLEKHG1.3	2.55E-31	0.149865	0.249	0.052	3.81E-27	CSCL1	PLEKHG1
TMEM79.2	2.64E-31	0.146952	0.249	0.052	3.95E-27	CSCL1	TMEM79
GTF2E2.5	2.69E-31	0.205107	0.557	0.181	4.01E-27	CSCL1	GTF2E2
TCTN1.9	2.73E-31	0.155017	0.612	0.205	4.09E-27	CSCL1	TCTN1
NOL12.4	2.91E-31	0.183449	0.617	0.213	4.35E-27	CSCL1	NOL12
DHRX.5	2.99E-31	0.23788	0.642	0.226	4.47E-27	CSCL1	DHRX
CPSF3.4	3.09E-31	0.187171	0.532	0.17	4.61E-27	CSCL1	CPSF3
CCDC137.7	3.13E-31	0.262804	0.577	0.195	4.67E-27	CSCL1	CCDC137
ZC3HC1.8	3.23E-31	0.167267	0.418	0.119	4.83E-27	CSCL1	ZC3HC1
P2RY1.2	3.33E-31	0.139213	0.224	0.044	4.97E-27	CSCL1	P2RY1
GUCD1.4	3.35E-31	0.182664	0.413	0.118	5.00E-27	CSCL1	GUCD1
C8orf33.8	3.41E-31	0.242336	0.826	0.309	5.10E-27	CSCL1	C8orf33
GNPAT.7	3.47E-31	0.166361	0.667	0.232	5.19E-27	CSCL1	GNPAT
MRC2.7	3.48E-31	0.193918	0.532	0.167	5.19E-27	CSCL1	MRC2
TAF4.1	3.60E-31	0.133354	0.229	0.046	5.38E-27	CSCL1	TAF4
WDHD1.1	3.61E-31	0.170066	0.189	0.033	5.40E-27	CSCL1	WDHD1
PTK7.6	3.94E-31	0.194515	0.343	0.089	5.88E-27	CSCL1	PTK7
NCBP2-AS2	4.12E-31	0.26815	0.736	0.269	6.16E-27	CSCL1	NCBP2-AS2
NUDT2.5	4.17E-31	0.134132	0.532	0.168	6.23E-27	CSCL1	NUDT2
SNX7.4	4.32E-31	0.195602	0.522	0.167	6.45E-27	CSCL1	SNX7
C1orf174.4	4.36E-31	0.178985	0.483	0.148	6.52E-27	CSCL1	C1orf174
NELFCD.1C	4.38E-31	0.331501	0.816	0.328	6.55E-27	CSCL1	NELFCD
TBL1X.2	4.58E-31	0.155824	0.274	0.062	6.85E-27	CSCL1	TBL1X
BAALC.11	4.59E-31	0.354746	0.856	0.337	6.86E-27	CSCL1	BAALC
ABHD17A.1	4.65E-31	0.278896	0.647	0.228	6.94E-27	CSCL1	ABHD17A
LCA5.4	4.68E-31	0.135324	0.234	0.047	6.99E-27	CSCL1	LCA5
MED25.3	4.83E-31	0.187175	0.413	0.118	7.22E-27	CSCL1	MED25
AKAP12.12	5.13E-31	0.213873	0.552	0.181	7.66E-27	CSCL1	AKAP12
TTC9C.3	5.19E-31	0.169244	0.527	0.169	7.76E-27	CSCL1	TTC9C
PRKRIP1.8	5.42E-31	0.187625	0.667	0.234	8.10E-27	CSCL1	PRKRIP1
CLCN3.10	5.91E-31	0.21377	0.682	0.241	8.83E-27	CSCL1	CLCN3
SYNRG.7	6.12E-31	0.16493	0.562	0.183	9.15E-27	CSCL1	SYNRG
PSAP.9	6.46E-31	-0.64523	0.9	0.817	9.65E-27	CSCL1	PSAP
BLOC1S4.1	6.46E-31	0.242158	0.667	0.236	9.65E-27	CSCL1	BLOC1S4
IFT74.1	6.56E-31	0.116658	0.308	0.074	9.80E-27	CSCL1	IFT74

PKNOX1.2	6.89E-31	0.141904	0.383	0.104	1.03E-26	CSCL1	PKNOX1
DOHH.7	7.54E-31	0.189518	0.567	0.187	1.13E-26	CSCL1	DOHH
KIAA1958.	7.61E-31	0.152045	0.279	0.063	1.14E-26	CSCL1	KIAA1958
SNRNP25.7	8.08E-31	0.263966	0.836	0.341	1.21E-26	CSCL1	SNRNP25
TP53RK.6	8.18E-31	0.242343	0.552	0.185	1.22E-26	CSCL1	TP53RK
PPIC.10	8.43E-31	0.195589	0.542	0.177	1.26E-26	CSCL1	PPIC
THAP3.7	9.07E-31	0.105598	0.443	0.129	1.36E-26	CSCL1	THAP3
CNOT1.5	9.55E-31	0.138496	0.478	0.144	1.43E-26	CSCL1	CNOT1
SMARCC1.1	1.00E-30	0.212747	0.701	0.247	1.50E-26	CSCL1	SMARCC1
ALG8.4	1.01E-30	0.171702	0.532	0.172	1.51E-26	CSCL1	ALG8
CTD-2325M	1.02E-30	0.114544	0.169	0.027	1.53E-26	CSCL1	CTD-2325M2.1
DHX8.3	1.03E-30	0.137	0.383	0.105	1.54E-26	CSCL1	DHX8
CDKN1B.1C	1.07E-30	0.224019	0.701	0.251	1.60E-26	CSCL1	CDKN1B
DCUN1D5.6	1.09E-30	0.232337	0.751	0.279	1.62E-26	CSCL1	DCUN1D5
ENKD1.4	1.09E-30	0.156259	0.269	0.06	1.63E-26	CSCL1	ENKD1
TNFRSF12A	1.15E-30	0.442638	0.706	0.279	1.73E-26	CSCL1	TNFRSF12A
RRBP1.7	1.18E-30	0.34799	0.736	0.289	1.77E-26	CSCL1	RRBP1
PPP1CC.8	1.27E-30	0.379463	0.93	0.437	1.90E-26	CSCL1	PPP1CC
TRIM37.9	1.28E-30	0.192135	0.473	0.144	1.91E-26	CSCL1	TRIM37
TPRKB.8	1.28E-30	0.245773	0.871	0.354	1.91E-26	CSCL1	TPRKB
SMC3.7	1.28E-30	0.22195	0.746	0.277	1.92E-26	CSCL1	SMC3
ZNF544.6	1.30E-30	0.134891	0.413	0.117	1.95E-26	CSCL1	ZNF544
NR2F1.8	1.33E-30	0.21559	0.507	0.159	1.99E-26	CSCL1	NR2F1
NFATC2IP.	1.38E-30	0.159367	0.502	0.157	2.06E-26	CSCL1	NFATC2IP
AKT1S1.6	1.38E-30	0.23275	0.657	0.233	2.07E-26	CSCL1	AKT1S1
NAB2.5	1.45E-30	0.177916	0.453	0.136	2.17E-26	CSCL1	NAB2
B4GALT4.4	1.53E-30	0.152199	0.448	0.133	2.29E-26	CSCL1	B4GALT4
CDC42EP1.	1.58E-30	0.17131	0.423	0.123	2.37E-26	CSCL1	CDC42EP1
NPTXR.10	1.70E-30	0.192615	0.423	0.122	2.54E-26	CSCL1	NPTXR
PGM1.8	1.89E-30	0.220941	0.672	0.243	2.82E-26	CSCL1	PGM1
XPOT.8	1.91E-30	0.173566	0.512	0.162	2.86E-26	CSCL1	XPOT
PABPC1L.3	1.93E-30	0.158825	0.279	0.064	2.88E-26	CSCL1	PABPC1L
TAOK1.8	1.95E-30	0.27817	0.687	0.252	2.92E-26	CSCL1	TAOK1
GAMT.9	2.20E-30	0.318219	0.751	0.291	3.29E-26	CSCL1	GAMT
DHX30.7	2.23E-30	0.191037	0.701	0.25	3.33E-26	CSCL1	DHX30
STX16.3	2.23E-30	0.170924	0.597	0.202	3.33E-26	CSCL1	STX16
LHFP.11	2.27E-30	0.1946	0.657	0.224	3.39E-26	CSCL1	LHFP
CTDSPL2.4	2.29E-30	0.186261	0.378	0.104	3.42E-26	CSCL1	CTDSPL2
CWC27.8	2.31E-30	0.170271	0.711	0.256	3.46E-26	CSCL1	CWC27
TMEM115.5	2.45E-30	0.186192	0.592	0.201	3.67E-26	CSCL1	TMEM115
TM7SF3.6	2.51E-30	0.218666	0.682	0.243	3.75E-26	CSCL1	TM7SF3
PRKCI.3	2.54E-30	0.188181	0.363	0.099	3.80E-26	CSCL1	PRKCI
HSPB11.6	2.56E-30	0.232529	0.821	0.32	3.82E-26	CSCL1	HSPB11
WSB2.10	2.57E-30	0.229712	0.622	0.217	3.83E-26	CSCL1	WSB2
RNFT1.6	2.57E-30	0.172656	0.577	0.196	3.84E-26	CSCL1	RNFT1
NUP93.4	2.57E-30	0.174977	0.537	0.175	3.84E-26	CSCL1	NUP93
TMEM183A.	2.62E-30	0.276718	0.751	0.284	3.92E-26	CSCL1	TMEM183A
USP48.6	2.67E-30	0.203378	0.607	0.208	3.99E-26	CSCL1	USP48
RAD17.6	2.69E-30	0.163831	0.428	0.125	4.02E-26	CSCL1	RAD17
METTL2A.7	2.70E-30	0.193525	0.488	0.153	4.03E-26	CSCL1	METTL2A
SPATC1L.1	2.71E-30	0.260766	0.557	0.188	4.05E-26	CSCL1	SPATC1L



GLE1. 2	2. 83E-30	0. 138461	0. 388	0. 107	4. 23E-26	CSCL1	GLE1
MED27. 5	2. 85E-30	0. 143955	0. 478	0. 145	4. 26E-26	CSCL1	MED27
TSR3. 8	2. 88E-30	0. 290108	0. 716	0. 268	4. 30E-26	CSCL1	TSR3
C17orf49. 2	2. 89E-30	0. 138268	0. 443	0. 132	4. 32E-26	CSCL1	C17orf49
ARHGAP21. 2	2. 93E-30	0. 229103	0. 672	0. 243	4. 38E-26	CSCL1	ARHGAP21
PAIP1. 11	2. 93E-30	0. 375298	0. 891	0. 387	4. 38E-26	CSCL1	PAIP1
CDK5. 8	2. 93E-30	0. 146838	0. 667	0. 23	4. 38E-26	CSCL1	CDK5
FAM229B. 1	2. 97E-30	0. 205416	0. 756	0. 284	4. 45E-26	CSCL1	FAM229B
RBM27. 8	3. 04E-30	0. 21304	0. 632	0. 219	4. 54E-26	CSCL1	RBM27
SYNCRIP. 9	3. 11E-30	0. 310052	0. 9	0. 374	4. 64E-26	CSCL1	SYNCRIP
LEO1. 6	3. 13E-30	0. 171247	0. 458	0. 138	4. 68E-26	CSCL1	LEO1
PDZRN3. 8	3. 18E-30	0. 197208	0. 249	0. 054	4. 75E-26	CSCL1	PDZRN3
ZNF93. 3	3. 20E-30	0. 165474	0. 249	0. 054	4. 79E-26	CSCL1	ZNF93
CDH6. 8	3. 58E-30	0. 168059	0. 279	0. 065	5. 35E-26	CSCL1	CDH6
ACOT8. 4	3. 66E-30	0. 170873	0. 592	0. 199	5. 46E-26	CSCL1	ACOT8
NT5C3B. 11	3. 69E-30	0. 305927	0. 826	0. 323	5. 52E-26	CSCL1	NT5C3B
BPTF. 9	3. 69E-30	0. 320289	0. 771	0. 302	5. 52E-26	CSCL1	BPTF
HADH. 4	3. 72E-30	0. 143825	0. 592	0. 201	5. 56E-26	CSCL1	HADH
CGGBP1. 4	3. 84E-30	0. 195286	0. 716	0. 262	5. 74E-26	CSCL1	CGGBP1
PLGRKT. 6	3. 93E-30	0. 122614	0. 721	0. 259	5. 87E-26	CSCL1	PLGRKT
HNRNPUL1. 3	3. 96E-30	0. 283256	0. 9	0. 375	5. 91E-26	CSCL1	HNRNPUL1
AGPAT3. 6	4. 09E-30	0. 136866	0. 428	0. 125	6. 10E-26	CSCL1	AGPAT3
RDX. 11	4. 15E-30	0. 416819	0. 975	0. 482	6. 20E-26	CSCL1	RDX
TMX3. 4	4. 38E-30	0. 172342	0. 488	0. 152	6. 54E-26	CSCL1	TMX3
SV2A. 8	4. 43E-30	0. 242396	0. 577	0. 195	6. 62E-26	CSCL1	SV2A
TMCO3. 4	4. 48E-30	0. 192954	0. 582	0. 197	6. 70E-26	CSCL1	TMCO3
PGAM5. 3	4. 53E-30	0. 15587	0. 244	0. 052	6. 77E-26	CSCL1	PGAM5
CARS2. 2	4. 91E-30	0. 203427	0. 428	0. 129	7. 33E-26	CSCL1	CARS2
CCZ1B. 9	5. 58E-30	0. 136796	0. 478	0. 146	8. 34E-26	CSCL1	CCZ1B
NGLY1. 4	5. 64E-30	0. 165445	0. 607	0. 208	8. 43E-26	CSCL1	NGLY1
VPS45. 5	5. 94E-30	0. 133144	0. 512	0. 163	8. 88E-26	CSCL1	VPS45
TMEM255A. 6	6. 04E-30	0. 159753	0. 363	0. 098	9. 02E-26	CSCL1	TMEM255A
TRAPPC11. 6	6. 16E-30	0. 157629	0. 318	0. 08	9. 21E-26	CSCL1	TRAPPC11
PKN2. 5	6. 33E-30	0. 175383	0. 597	0. 204	9. 46E-26	CSCL1	PKN2
BRD4. 8	6. 33E-30	0. 282293	0. 801	0. 319	9. 47E-26	CSCL1	BRD4
TOMM70A. 6	6. 44E-30	0. 184813	0. 413	0. 12	9. 62E-26	CSCL1	TOMM70A
HYLS1. 1	6. 44E-30	0. 219386	0. 189	0. 034	9. 63E-26	CSCL1	HYLS1
DTD1. 11	6. 50E-30	0. 359763	0. 886	0. 383	9. 71E-26	CSCL1	DTD1
CEP290. 8	6. 59E-30	0. 174185	0. 488	0. 152	9. 85E-26	CSCL1	CEP290
UBE20. 8	6. 60E-30	0. 183208	0. 393	0. 112	9. 86E-26	CSCL1	UBE20
C17orf89. 6	6. 75E-30	0. 410048	0. 9	0. 413	1. 01E-25	CSCL1	C17orf89
SORD. 3	7. 00E-30	0. 115484	0. 338	0. 087	1. 05E-25	CSCL1	SORD
PPP1R14B. 7	7. 13E-30	0. 375173	0. 816	0. 336	1. 07E-25	CSCL1	PPP1R14B
GPR137. 7	7. 18E-30	0. 199284	0. 587	0. 202	1. 07E-25	CSCL1	GPR137
DAPK3. 8	7. 39E-30	0. 261527	0. 642	0. 232	1. 11E-25	CSCL1	DAPK3
NEK1. 8	7. 68E-30	0. 202065	0. 413	0. 121	1. 15E-25	CSCL1	NEK1
MIB1. 3	8. 09E-30	0. 153609	0. 338	0. 088	1. 21E-25	CSCL1	MIB1
TEAD2. 10	8. 20E-30	0. 196871	0. 328	0. 086	1. 23E-25	CSCL1	TEAD2
TAP1. 7	8. 32E-30	0. 255007	0. 667	0. 246	1. 24E-25	CSCL1	TAP1
C11orf74. 8	8. 58E-30	0. 126577	0. 517	0. 165	1. 28E-25	CSCL1	C11orf74
ADAM12. 1	8. 60E-30	0. 170366	0. 214	0. 042	1. 29E-25	CSCL1	ADAM12

KANSL1-AS	8.93E-30	0.146522	0.562	0.187	1.33E-25	CSCL1	KANSL1-AS1
MAP2.12	9.27E-30	0.32628	0.831	0.329	1.38E-25	CSCL1	MAP2
MAFG-AS1.	9.45E-30	0.164297	0.269	0.062	1.41E-25	CSCL1	MAFG-AS1
GNAS-AS1	1.01E-29	0.131117	0.129	0.018	1.51E-25	CSCL1	GNAS-AS1
CHRNA5	1.01E-29	0.142793	0.164	0.027	1.51E-25	CSCL1	CHRNA5
PMS2.8	1.04E-29	0.114264	0.423	0.122	1.55E-25	CSCL1	PMS2
SERPINE2.	1.05E-29	0.279307	0.746	0.285	1.57E-25	CSCL1	SERPINE2
RITA1.7	1.09E-29	0.149456	0.428	0.127	1.63E-25	CSCL1	RITA1
LIMD1.3	1.09E-29	0.184464	0.303	0.076	1.64E-25	CSCL1	LIMD1
KPNA3.6	1.16E-29	0.199693	0.692	0.248	1.73E-25	CSCL1	KPNA3
ARHGAP12.	1.30E-29	0.14937	0.557	0.183	1.95E-25	CSCL1	ARHGAP12
PFKP.7	1.31E-29	0.140562	0.473	0.146	1.96E-25	CSCL1	PFKP
FDFT1.8	1.32E-29	0.188819	0.781	0.297	1.98E-25	CSCL1	FDFT1
SMARCA4.1	1.33E-29	0.342132	0.851	0.352	1.98E-25	CSCL1	SMARCA4
TULP3.7	1.35E-29	0.177488	0.413	0.12	2.01E-25	CSCL1	TULP3
SPRTN.5	1.36E-29	0.120995	0.418	0.121	2.03E-25	CSCL1	SPRTN
CUL3.8	1.41E-29	0.206288	0.572	0.194	2.11E-25	CSCL1	CUL3
ICK.6	1.50E-29	0.167044	0.318	0.081	2.25E-25	CSCL1	ICK
APAF1.6	1.53E-29	0.115305	0.274	0.063	2.28E-25	CSCL1	APAF1
MRT04.6	1.54E-29	0.163376	0.667	0.238	2.31E-25	CSCL1	MRT04
LENG1.5	1.54E-29	0.159002	0.572	0.195	2.31E-25	CSCL1	LENG1
CDH11.10	1.67E-29	0.175471	0.388	0.111	2.49E-25	CSCL1	CDH11
C15orf61.	1.89E-29	0.154507	0.517	0.168	2.83E-25	CSCL1	C15orf61
NUDCD1.5	1.95E-29	0.134905	0.358	0.096	2.91E-25	CSCL1	NUDCD1
SMAGP.4	2.02E-29	0.140641	0.318	0.081	3.02E-25	CSCL1	SMAGP
HNRNPR.6	2.03E-29	0.357757	0.97	0.512	3.04E-25	CSCL1	HNRNPR
MNAT1.8	2.05E-29	0.154029	0.552	0.187	3.07E-25	CSCL1	MNAT1
FOXRED2.3	2.06E-29	0.191874	0.308	0.079	3.08E-25	CSCL1	FOXRED2
SLC52A2.6	2.07E-29	0.234933	0.736	0.272	3.09E-25	CSCL1	SLC52A2
RCOR1.3	2.07E-29	0.137711	0.284	0.067	3.10E-25	CSCL1	RCOR1
HLA-DRA.1	2.17E-29	-1.33731	0.373	0.637	3.24E-25	CSCL1	HLA-DRA
DONSON.4	2.17E-29	0.171596	0.308	0.077	3.24E-25	CSCL1	DONSON
ANXA2R.11	2.21E-29	0.157588	0.473	0.146	3.31E-25	CSCL1	ANXA2R
ZNF385D.9	2.23E-29	0.205827	0.378	0.106	3.34E-25	CSCL1	ZNF385D
ACOT7.9	2.25E-29	0.209892	0.622	0.22	3.36E-25	CSCL1	ACOT7
STT3A.1	2.30E-29	0.118033	0.507	0.16	3.44E-25	CSCL1	STT3A
TRMT6.5	2.68E-29	0.206104	0.517	0.172	4.01E-25	CSCL1	TRMT6
MLLT3.8	2.77E-29	0.108422	0.343	0.089	4.15E-25	CSCL1	MLLT3
CDK19.5	2.80E-29	0.156694	0.413	0.121	4.19E-25	CSCL1	CDK19
RAB3GAP2.	2.94E-29	0.199642	0.502	0.164	4.39E-25	CSCL1	RAB3GAP2
FBXW11.5	2.99E-29	0.184215	0.527	0.175	4.46E-25	CSCL1	FBXW11
UQCC1.7	2.99E-29	0.175922	0.498	0.159	4.47E-25	CSCL1	UQCC1
NAE1.8	3.08E-29	0.255747	0.831	0.332	4.61E-25	CSCL1	NAE1
THAP4.4	3.10E-29	0.177379	0.483	0.153	4.64E-25	CSCL1	THAP4
SF3B3.5	3.18E-29	0.155848	0.557	0.183	4.75E-25	CSCL1	SF3B3
GNPNAT1.5	3.29E-29	0.166244	0.353	0.097	4.91E-25	CSCL1	GNPNAT1
SRP68.5	3.30E-29	0.201983	0.627	0.223	4.94E-25	CSCL1	SRP68
PCNA.8	3.36E-29	0.220293	0.776	0.307	5.02E-25	CSCL1	PCNA
C6orf120.	3.38E-29	0.175131	0.438	0.132	5.05E-25	CSCL1	C6orf120
TP53INP2.	3.43E-29	0.124742	0.343	0.09	5.13E-25	CSCL1	TP53INP2
ANKRD52.2	3.47E-29	0.161129	0.294	0.072	5.18E-25	CSCL1	ANKRD52

C11orf80.	3.48E-29	0.142053	0.204	0.04	5.21E-25	CSCL1	C11orf80
GAR1.8	3.49E-29	0.141617	0.547	0.184	5.21E-25	CSCL1	GAR1
SLC35F1.9	3.49E-29	0.223572	0.408	0.121	5.21E-25	CSCL1	SLC35F1
IRF2BPL.9	3.49E-29	0.272272	0.637	0.235	5.21E-25	CSCL1	IRF2BPL
DENR.7	3.51E-29	0.262699	0.791	0.312	5.24E-25	CSCL1	DENR
FARP1.5	3.75E-29	0.164474	0.542	0.179	5.61E-25	CSCL1	FARP1
CRYGD	3.92E-29	0.155443	0.104	0.012	5.87E-25	CSCL1	CRYGD
TPGS2.5	4.03E-29	0.262665	0.821	0.33	6.02E-25	CSCL1	TPGS2
CDADC1.5	4.05E-29	0.116898	0.368	0.102	6.06E-25	CSCL1	CDADC1
ARL13B.7	4.08E-29	0.149495	0.448	0.137	6.09E-25	CSCL1	ARL13B
ADORA2B.1	4.15E-29	0.125031	0.184	0.033	6.20E-25	CSCL1	ADORA2B
PCGF2.10	4.15E-29	0.201428	0.488	0.157	6.20E-25	CSCL1	PCGF2
CREB3.3	4.46E-29	0.198648	0.716	0.27	6.66E-25	CSCL1	CREB3
TRIM24.11	4.53E-29	0.200033	0.557	0.185	6.77E-25	CSCL1	TRIM24
CEP95.6	4.58E-29	0.150389	0.408	0.119	6.85E-25	CSCL1	CEP95
IDH3A.4	4.83E-29	0.163992	0.512	0.168	7.22E-25	CSCL1	IDH3A
RRP1.7	4.92E-29	0.162619	0.592	0.203	7.35E-25	CSCL1	RRP1
ASPHD2.2	5.19E-29	0.145647	0.249	0.055	7.76E-25	CSCL1	ASPHD2
MDFIC.5	5.19E-29	0.103623	0.209	0.041	7.76E-25	CSCL1	MDFIC
UBTD1.6	5.21E-29	0.162486	0.378	0.107	7.78E-25	CSCL1	UBTD1
EIF2B3.2	5.34E-29	0.125335	0.517	0.167	7.98E-25	CSCL1	EIF2B3
VAPB.7	5.48E-29	0.235414	0.552	0.191	8.19E-25	CSCL1	VAPB
MEST.11	5.54E-29	0.375913	0.881	0.378	8.28E-25	CSCL1	MEST
BAZ1B.11	5.90E-29	0.278684	0.751	0.29	8.82E-25	CSCL1	BAZ1B
MPST.7	6.39E-29	0.221764	0.786	0.298	9.55E-25	CSCL1	MPST
CEP192	6.44E-29	0.123566	0.199	0.038	9.62E-25	CSCL1	CEP192
C17orf80.	6.56E-29	0.158868	0.313	0.08	9.80E-25	CSCL1	C17orf80
TMEM218.5	6.59E-29	0.12934	0.617	0.215	9.84E-25	CSCL1	TMEM218
CTNNAL1.1	6.77E-29	0.266433	0.443	0.142	1.01E-24	CSCL1	CTNNAL1
F8A1.5	7.04E-29	0.163147	0.443	0.135	1.05E-24	CSCL1	F8A1
MSRB1.5	7.43E-29	0.120873	0.617	0.213	1.11E-24	CSCL1	MSRB1
KIF13A.2	7.64E-29	0.132045	0.249	0.055	1.14E-24	CSCL1	KIF13A
MKS1.4	7.75E-29	0.131821	0.328	0.086	1.16E-24	CSCL1	MKS1
NELFE.2	7.91E-29	0.241042	0.871	0.368	1.18E-24	CSCL1	NELFE
PIK3C2A.3	8.07E-29	0.175639	0.438	0.135	1.21E-24	CSCL1	PIK3C2A
PDDC1.7	8.19E-29	0.194881	0.448	0.141	1.22E-24	CSCL1	PDDC1
JRKL.4	8.46E-29	0.136148	0.294	0.072	1.26E-24	CSCL1	JRKL
CHRDL1.2	8.70E-29	0.129779	0.194	0.036	1.30E-24	CSCL1	CHRDL1
DUS4L.8	8.78E-29	0.13411	0.303	0.075	1.31E-24	CSCL1	DUS4L
MZT2A.9	8.83E-29	0.307125	0.91	0.405	1.32E-24	CSCL1	MZT2A
TMEM260.1	8.88E-29	0.147307	0.289	0.07	1.33E-24	CSCL1	TMEM260
IL17RC.5	9.04E-29	0.171265	0.388	0.112	1.35E-24	CSCL1	IL17RC
RP11-1094	9.23E-29	0.193122	0.632	0.227	1.38E-24	CSCL1	RP11-1094M14.11
HINT3.6	9.49E-29	0.151766	0.572	0.192	1.42E-24	CSCL1	HINT3
PFDN4.8	9.49E-29	0.304088	0.846	0.351	1.42E-24	CSCL1	PFDN4
ASPH.7	1.00E-28	0.270818	0.701	0.269	1.50E-24	CSCL1	ASPH
SRGN.12	1.01E-28	-1.52914	0.139	0.505	1.51E-24	CSCL1	SRGN
VPS4A.6	1.05E-28	0.262916	0.761	0.3	1.56E-24	CSCL1	VPS4A
SOCS4.1	1.07E-28	0.138278	0.318	0.082	1.60E-24	CSCL1	SOCS4
PRMT3.4	1.07E-28	0.195234	0.323	0.085	1.60E-24	CSCL1	PRMT3
CHPF.10	1.11E-28	0.264406	0.682	0.251	1.66E-24	CSCL1	CHPF

CDC16. 6	1. 11E-28	0. 17864	0. 562	0. 19	1. 66E-24	CSCL1	CDC16
IN080C. 5	1. 12E-28	0. 135399	0. 493	0. 16	1. 68E-24	CSCL1	IN080C
MEPCE. 2	1. 16E-28	0. 140856	0. 413	0. 123	1. 73E-24	CSCL1	MEPCE
POP7. 9	1. 16E-28	0. 266376	0. 905	0. 385	1. 74E-24	CSCL1	POP7
ATPAF1. 9	1. 17E-28	0. 195595	0. 652	0. 233	1. 74E-24	CSCL1	ATPAF1
TSPAN12. 1	1. 18E-28	0. 232185	0. 393	0. 116	1. 77E-24	CSCL1	TSPAN12
ACO09005. 1	1. 19E-28	0. 102473	0. 154	0. 025	1. 78E-24	CSCL1	ACO09005. 2
AGPAT1. 5	1. 22E-28	0. 183414	0. 617	0. 22	1. 82E-24	CSCL1	AGPAT1
CHST10. 9	1. 23E-28	0. 193297	0. 438	0. 134	1. 84E-24	CSCL1	CHST10
LMNA. 8	1. 24E-28	0. 369345	0. 866	0. 408	1. 86E-24	CSCL1	LMNA
SRRT. 8	1. 25E-28	0. 169146	0. 607	0. 21	1. 87E-24	CSCL1	SRRT
NAA35. 5	1. 28E-28	0. 195125	0. 433	0. 132	1. 91E-24	CSCL1	NAA35
PLIN3. 8	1. 28E-28	0. 304795	0. 786	0. 351	1. 92E-24	CSCL1	PLIN3
GFER. 6	1. 31E-28	0. 198756	0. 582	0. 202	1. 96E-24	CSCL1	GFER
ISOC2. 9	1. 31E-28	0. 250734	0. 811	0. 341	1. 96E-24	CSCL1	ISOC2
PTGR1. 7	1. 35E-28	0. 111124	0. 537	0. 179	2. 02E-24	CSCL1	PTGR1
IFT88. 6	1. 36E-28	0. 166351	0. 368	0. 104	2. 04E-24	CSCL1	IFT88
UBLCP1. 1	1. 36E-28	0. 163109	0. 562	0. 191	2. 04E-24	CSCL1	UBLCP1
CHCHD6. 8	1. 41E-28	0. 203284	0. 632	0. 228	2. 10E-24	CSCL1	CHCHD6
FAM134A. 1	1. 43E-28	0. 253833	0. 746	0. 29	2. 14E-24	CSCL1	FAM134A
ZNF682. 7	1. 44E-28	0. 158096	0. 294	0. 072	2. 16E-24	CSCL1	ZNF682
SHOX2. 8	1. 45E-28	0. 170385	0. 259	0. 06	2. 17E-24	CSCL1	SHOX2
UBTF. 9	1. 50E-28	0. 220268	0. 612	0. 22	2. 24E-24	CSCL1	UBTF
OLFM1. 10	1. 53E-28	0. 241204	0. 458	0. 145	2. 28E-24	CSCL1	OLFM1
SNHG10. 6	1. 54E-28	0. 182073	0. 333	0. 09	2. 30E-24	CSCL1	SNHG10
DHRS13. 7	1. 60E-28	0. 186645	0. 343	0. 093	2. 39E-24	CSCL1	DHRS13
SDHAF1. 7	1. 64E-28	0. 178661	0. 517	0. 171	2. 45E-24	CSCL1	SDHAF1
PPP4R2. 5	1. 65E-28	0. 190353	0. 687	0. 254	2. 46E-24	CSCL1	PPP4R2
TTC32. 5	1. 65E-28	0. 153147	0. 458	0. 144	2. 47E-24	CSCL1	TTC32
KCNJ16. 9	1. 67E-28	0. 177991	0. 234	0. 051	2. 49E-24	CSCL1	KCNJ16
CYB5D2. 7	1. 76E-28	0. 152487	0. 637	0. 226	2. 62E-24	CSCL1	CYB5D2
PRIMPOL. 2	1. 76E-28	0. 12459	0. 313	0. 081	2. 63E-24	CSCL1	PRIMPOL
FH. 6	1. 82E-28	0. 173464	0. 622	0. 219	2. 72E-24	CSCL1	FH
PRKRIR. 5	1. 84E-28	0. 178478	0. 368	0. 104	2. 75E-24	CSCL1	PRKRIR
TAF10. 5	1. 91E-28	0. 226796	0. 617	0. 219	2. 85E-24	CSCL1	TAF10
DEXI. 8	1. 93E-28	0. 205766	0. 582	0. 2	2. 88E-24	CSCL1	DEXI
MYLK-AS1	1. 95E-28	0. 115593	0. 184	0. 034	2. 92E-24	CSCL1	MYLK-AS1
SEMA4B. 3	2. 03E-28	0. 158892	0. 229	0. 049	3. 03E-24	CSCL1	SEMA4B
RP11-410L	2. 05E-28	0. 206025	0. 408	0. 123	3. 06E-24	CSCL1	RP11-410L14. 2
TARDBP. 5	2. 09E-28	0. 196333	0. 751	0. 286	3. 13E-24	CSCL1	TARDBP
RNF5. 5	2. 11E-28	0. 232054	0. 886	0. 382	3. 15E-24	CSCL1	RNF5
MTMR2. 6	2. 11E-28	0. 186521	0. 448	0. 141	3. 16E-24	CSCL1	MTMR2
SSBP4. 8	2. 12E-28	0. 271454	0. 697	0. 263	3. 17E-24	CSCL1	SSBP4
CENPC. 2	2. 13E-28	0. 159173	0. 368	0. 103	3. 18E-24	CSCL1	CENPC
OSBP. 2	2. 14E-28	0. 141344	0. 328	0. 087	3. 20E-24	CSCL1	OSBP
SNRNP48. 2	2. 17E-28	0. 153521	0. 373	0. 106	3. 24E-24	CSCL1	SNRNP48
NMT2. 8	2. 19E-28	0. 114723	0. 348	0. 094	3. 28E-24	CSCL1	NMT2
ATN1. 10	2. 23E-28	0. 1749	0. 532	0. 177	3. 33E-24	CSCL1	ATN1
EID2B. 8	2. 30E-28	0. 167768	0. 323	0. 085	3. 44E-24	CSCL1	EID2B
RALBP1. 6	2. 42E-28	0. 202697	0. 776	0. 295	3. 61E-24	CSCL1	RALBP1
BCAT1. 10	2. 55E-28	0. 221089	0. 627	0. 224	3. 81E-24	CSCL1	BCAT1

ENOSF1.9	2.72E-28	0.167306	0.403	0.12	4.06E-24	CSCL1	ENOSF1
CCDC84.1	2.76E-28	0.133993	0.343	0.093	4.13E-24	CSCL1	CCDC84
MED19.7	2.81E-28	0.197679	0.721	0.274	4.20E-24	CSCL1	MED19
UPF3A.11	2.90E-28	0.231318	0.841	0.336	4.34E-24	CSCL1	UPF3A
EIF2AK4.6	3.01E-28	0.172017	0.527	0.175	4.50E-24	CSCL1	EIF2AK4
C7orf49.6	3.07E-28	0.180512	0.577	0.201	4.59E-24	CSCL1	C7orf49
DLG5.7	3.07E-28	0.12353	0.294	0.072	4.59E-24	CSCL1	DLG5
AHCTF1.1	3.18E-28	0.130901	0.303	0.077	4.76E-24	CSCL1	AHCTF1
FGFR10P.3	3.19E-28	0.119478	0.303	0.077	4.77E-24	CSCL1	FGFR10P
SPAST.8	3.30E-28	0.192161	0.373	0.107	4.93E-24	CSCL1	SPAST
CEP63.5	3.30E-28	0.180621	0.517	0.172	4.93E-24	CSCL1	CEP63
SLC39A9.2	3.33E-28	0.133831	0.338	0.091	4.98E-24	CSCL1	SLC39A9
EBP.4	3.33E-28	0.157308	0.667	0.244	4.98E-24	CSCL1	EBP
GRSF1.7	3.43E-28	0.233014	0.811	0.314	5.13E-24	CSCL1	GRSF1
LSG1.7	3.45E-28	0.152047	0.413	0.123	5.16E-24	CSCL1	LSG1
PIAS4.6	3.50E-28	0.162204	0.418	0.126	5.23E-24	CSCL1	PIAS4
ZFHX4.11	3.63E-28	0.175807	0.468	0.146	5.43E-24	CSCL1	ZFHX4
HCCS.4	3.67E-28	0.116861	0.498	0.161	5.49E-24	CSCL1	HCCS
EMC8.7	3.73E-28	0.21298	0.711	0.264	5.58E-24	CSCL1	EMC8
FAM216A.7	3.74E-28	0.144993	0.398	0.117	5.59E-24	CSCL1	FAM216A
AP5S1.4	3.89E-28	0.170811	0.338	0.093	5.81E-24	CSCL1	AP5S1
DOLK.7	3.90E-28	0.171633	0.403	0.121	5.83E-24	CSCL1	DOLK
PPP2R2D.4	3.91E-28	0.148769	0.323	0.086	5.84E-24	CSCL1	PPP2R2D
FBXW9.6	4.01E-28	0.177247	0.373	0.107	5.99E-24	CSCL1	FBXW9
CCDC6.3	4.02E-28	0.131635	0.373	0.106	6.01E-24	CSCL1	CCDC6
CCDC106.1	4.11E-28	0.250285	0.632	0.225	6.15E-24	CSCL1	CCDC106
SPATA33.8	4.12E-28	0.169842	0.448	0.14	6.16E-24	CSCL1	SPATA33
ENHO.11	4.21E-28	0.180388	0.463	0.145	6.29E-24	CSCL1	ENHO
RFTN1.5	4.21E-28	0.210905	0.363	0.105	6.29E-24	CSCL1	RFTN1
PDK2.6	4.22E-28	0.146193	0.493	0.158	6.31E-24	CSCL1	PDK2
C11orf49.4	4.50E-28	0.175724	0.632	0.23	6.72E-24	CSCL1	C11orf49
CLPTM1L.3	4.56E-28	0.18919	0.458	0.146	6.81E-24	CSCL1	CLPTM1L
NDUFAF5.5	4.56E-28	0.147378	0.423	0.129	6.82E-24	CSCL1	NDUFAF5
ARFGAP1.4	4.64E-28	0.160485	0.453	0.142	6.94E-24	CSCL1	ARFGAP1
POLR2A.3	4.70E-28	0.133267	0.587	0.205	7.03E-24	CSCL1	POLR2A
GOT1.4	4.85E-28	0.102191	0.423	0.126	7.24E-24	CSCL1	GOT1
C16orf91.5	5.02E-28	0.14135	0.557	0.189	7.51E-24	CSCL1	C16orf91
HDAC6.2	5.03E-28	0.156083	0.378	0.109	7.51E-24	CSCL1	HDAC6
CEP250.2	5.03E-28	0.124739	0.274	0.066	7.52E-24	CSCL1	CEP250
VPS16.5	5.39E-28	0.161229	0.512	0.169	8.06E-24	CSCL1	VPS16
SPRY4.7	5.44E-28	0.133725	0.269	0.064	8.13E-24	CSCL1	SPRY4
BRMS1L.6	5.59E-28	0.13984	0.343	0.093	8.35E-24	CSCL1	BRMS1L
TPM4.10	5.60E-28	0.39103	0.92	0.49	8.36E-24	CSCL1	TPM4
PHF23.9	5.61E-28	0.18531	0.582	0.201	8.39E-24	CSCL1	PHF23
PEF1.5	5.62E-28	0.175309	0.791	0.311	8.39E-24	CSCL1	PEF1
NCK2.6	5.74E-28	0.158149	0.453	0.142	8.58E-24	CSCL1	NCK2
CFL2.10	5.88E-28	0.171027	0.806	0.319	8.78E-24	CSCL1	CFL2
SATB2.5	6.52E-28	0.178562	0.279	0.069	9.75E-24	CSCL1	SATB2
KATNBL1.7	6.94E-28	0.189082	0.652	0.244	1.04E-23	CSCL1	KATNBL1
ENDOD1.1C	7.08E-28	0.165422	0.443	0.138	1.06E-23	CSCL1	ENDOD1
ENOPH1.1C	7.63E-28	0.306682	0.905	0.38	1.14E-23	CSCL1	ENOPH1

SMIM4.7	7.66E-28	0.156885	0.701	0.26	1.14E-23	CSCL1	SMIM4
ZHX3.7	8.08E-28	0.219395	0.383	0.115	1.21E-23	CSCL1	ZHX3
PCBP4.12	8.20E-28	0.22825	0.677	0.248	1.22E-23	CSCL1	PCBP4
IFT27.9	8.20E-28	0.19693	0.672	0.249	1.23E-23	CSCL1	IFT27
CLINT1.4	8.31E-28	0.13834	0.572	0.194	1.24E-23	CSCL1	CLINT1
R3HDM4.6	9.39E-28	0.19303	0.557	0.194	1.40E-23	CSCL1	R3HDM4
CLIC4.11	9.51E-28	0.232921	0.806	0.324	1.42E-23	CSCL1	CLIC4
LEMD2.4	9.67E-28	0.170415	0.453	0.143	1.45E-23	CSCL1	LEMD2
PDS5A.2	9.73E-28	0.141857	0.478	0.152	1.45E-23	CSCL1	PDS5A
NCAM1.11	9.73E-28	0.195319	0.841	0.326	1.45E-23	CSCL1	NCAM1
TPM1.9	9.74E-28	0.240221	0.652	0.245	1.46E-23	CSCL1	TPM1
ROB02.11	1.00E-27	0.221755	0.358	0.103	1.50E-23	CSCL1	ROB02
FGD5-AS1.1	1.02E-27	0.238923	0.766	0.305	1.52E-23	CSCL1	FGD5-AS1
DPY19L4.5	1.04E-27	0.117358	0.333	0.089	1.55E-23	CSCL1	DPY19L4
NRCAM.11	1.04E-27	0.226272	0.697	0.262	1.55E-23	CSCL1	NRCAM
TMEM201.1	1.06E-27	0.147359	0.214	0.044	1.59E-23	CSCL1	TMEM201
ELP6.6	1.09E-27	0.16504	0.582	0.209	1.63E-23	CSCL1	ELP6
HLTF.10	1.11E-27	0.171127	0.502	0.168	1.66E-23	CSCL1	HLTF
ZNF511.9	1.19E-27	0.227423	0.537	0.19	1.78E-23	CSCL1	ZNF511
DPM2.4	1.19E-27	0.206907	0.836	0.338	1.78E-23	CSCL1	DPM2
TUBB2A.11	1.24E-27	0.385732	0.965	0.469	1.86E-23	CSCL1	TUBB2A
ERI3.8	1.30E-27	0.242509	0.881	0.36	1.94E-23	CSCL1	ERI3
CNRIP1.9	1.30E-27	0.154189	0.572	0.198	1.94E-23	CSCL1	CNRIP1
C17orf75.1	1.31E-27	0.130185	0.333	0.091	1.95E-23	CSCL1	C17orf75
SGTA.7	1.32E-27	0.240014	0.771	0.308	1.98E-23	CSCL1	SGTA
TMOD3.9	1.37E-27	0.11964	0.448	0.139	2.04E-23	CSCL1	TMOD3
USP5.5	1.40E-27	0.212901	0.602	0.218	2.10E-23	CSCL1	USP5
HMGXB4.5	1.41E-27	0.176495	0.607	0.216	2.10E-23	CSCL1	HMGXB4
PCIF1.4	1.43E-27	0.142702	0.438	0.138	2.14E-23	CSCL1	PCIF1
DDX10.1	1.43E-27	0.126153	0.393	0.116	2.14E-23	CSCL1	DDX10
HRASLS.7	1.48E-27	0.181443	0.214	0.045	2.22E-23	CSCL1	HRASLS
NTAN1.9	1.51E-27	0.183676	0.552	0.193	2.26E-23	CSCL1	NTAN1
MGARP.7	1.54E-27	0.190073	0.294	0.076	2.31E-23	CSCL1	MGARP
HOMER3.7	1.55E-27	0.280658	0.622	0.235	2.32E-23	CSCL1	HOMER3
XRCC3.1	1.61E-27	0.114094	0.174	0.031	2.40E-23	CSCL1	XRCC3
ACTR5.1	1.61E-27	0.138498	0.229	0.05	2.41E-23	CSCL1	ACTR5
ZC3H14.7	1.62E-27	0.132716	0.567	0.197	2.42E-23	CSCL1	ZC3H14
ZNF680.9	1.66E-27	0.167491	0.507	0.168	2.48E-23	CSCL1	ZNF680
C8orf82.9	1.71E-27	0.207919	0.498	0.165	2.55E-23	CSCL1	C8orf82
HIST1H4C.1	1.71E-27	0.529067	0.801	0.418	2.56E-23	CSCL1	HIST1H4C
TAC01.5	1.78E-27	0.210299	0.502	0.169	2.65E-23	CSCL1	TAC01
DOCK7.4	1.80E-27	0.116952	0.408	0.121	2.68E-23	CSCL1	DOCK7
HNRNPH3.1	1.83E-27	0.325718	0.915	0.437	2.74E-23	CSCL1	HNRNPH3
SURF4.4	1.87E-27	0.289132	0.816	0.342	2.80E-23	CSCL1	SURF4
PTDSS2.11	1.91E-27	0.190369	0.458	0.147	2.85E-23	CSCL1	PTDSS2
CTB-58E17	2.03E-27	0.101594	0.244	0.055	3.03E-23	CSCL1	CTB-58E17.1
MED9.6	2.07E-27	0.135159	0.328	0.088	3.10E-23	CSCL1	MED9
PPP2R4.4	2.13E-27	0.177384	0.632	0.229	3.18E-23	CSCL1	PPP2R4
FAM89B.11	2.17E-27	0.28329	0.637	0.24	3.25E-23	CSCL1	FAM89B
CCDC138.1	2.20E-27	0.118418	0.219	0.046	3.28E-23	CSCL1	CCDC138
PDCD2.9	2.25E-27	0.268297	0.731	0.287	3.36E-23	CSCL1	PDCD2

OPA1. 4	2. 37E-27	0. 195493	0. 408	0. 126	3. 55E-23	CSCL1	OPA1
PNMA1. 11	2. 38E-27	0. 257032	0. 721	0. 276	3. 56E-23	CSCL1	PNMA1
PAFAH1B3. 2	2. 39E-27	0. 310878	0. 93	0. 415	3. 58E-23	CSCL1	PAFAH1B3
RECK. 2	2. 45E-27	0. 103627	0. 264	0. 062	3. 66E-23	CSCL1	RECK
MANEA. 2	2. 58E-27	0. 155725	0. 289	0. 073	3. 86E-23	CSCL1	MANEA
C2orf76. 3	2. 59E-27	0. 136141	0. 483	0. 159	3. 87E-23	CSCL1	C2orf76
DBN1. 11	2. 65E-27	0. 237474	0. 776	0. 303	3. 96E-23	CSCL1	DBN1
DUS1L. 4	2. 84E-27	0. 182909	0. 413	0. 128	4. 25E-23	CSCL1	DUS1L
TMEM199. 6	3. 13E-27	0. 123478	0. 652	0. 235	4. 68E-23	CSCL1	TMEM199
IPO9. 8	3. 18E-27	0. 15577	0. 627	0. 224	4. 76E-23	CSCL1	IPO9
LONP1. 5	3. 18E-27	0. 173956	0. 572	0. 198	4. 76E-23	CSCL1	LONP1
B4GALT7. 4	3. 22E-27	0. 155807	0. 582	0. 203	4. 81E-23	CSCL1	B4GALT7
FAM200B. 8	3. 26E-27	0. 224426	0. 871	0. 357	4. 87E-23	CSCL1	FAM200B
CYTH2. 10	3. 26E-27	0. 253826	0. 816	0. 333	4. 88E-23	CSCL1	CYTH2
C11orf84	3. 27E-27	0. 107618	0. 194	0. 038	4. 89E-23	CSCL1	C11orf84
UBE2J2. 9	3. 56E-27	0. 264631	0. 816	0. 326	5. 32E-23	CSCL1	UBE2J2
DIMT1. 4	3. 64E-27	0. 125098	0. 532	0. 18	5. 43E-23	CSCL1	DIMT1
ABAT. 11	3. 64E-27	0. 199641	0. 473	0. 154	5. 44E-23	CSCL1	ABAT
ALG6. 3	3. 65E-27	0. 173092	0. 348	0. 099	5. 46E-23	CSCL1	ALG6
CRNKL1. 5	3. 66E-27	0. 177569	0. 453	0. 145	5. 47E-23	CSCL1	CRNKL1
ZNF12. 9	3. 67E-27	0. 157922	0. 398	0. 119	5. 49E-23	CSCL1	ZNF12
INO80E. 7	3. 68E-27	0. 207742	0. 602	0. 219	5. 49E-23	CSCL1	INO80E
UFD1L. 6	3. 70E-27	0. 187541	0. 791	0. 322	5. 53E-23	CSCL1	UFD1L
TCERG1. 7	3. 74E-27	0. 191961	0. 562	0. 198	5. 58E-23	CSCL1	TCERG1
RPE. 3	3. 75E-27	0. 116902	0. 473	0. 152	5. 61E-23	CSCL1	RPE
R3HCC1. 7	3. 80E-27	0. 14787	0. 736	0. 278	5. 67E-23	CSCL1	R3HCC1
CAHM. 10	3. 81E-27	0. 155799	0. 323	0. 087	5. 69E-23	CSCL1	CAHM
EPHB3. 3	4. 08E-27	0. 158881	0. 209	0. 043	6. 10E-23	CSCL1	EPHB3
OGFOD1. 5	4. 11E-27	0. 137191	0. 458	0. 145	6. 14E-23	CSCL1	OGFOD1
HAUS1. 2	4. 36E-27	0. 137246	0. 622	0. 224	6. 51E-23	CSCL1	HAUS1
SUPT20H. 8	4. 39E-27	0. 184573	0. 567	0. 201	6. 56E-23	CSCL1	SUPT20H
ZNF85. 4	4. 63E-27	0. 159198	0. 308	0. 081	6. 93E-23	CSCL1	ZNF85
TRIM36. 11	4. 79E-27	0. 178012	0. 522	0. 176	7. 16E-23	CSCL1	TRIM36
ELMO2. 7	5. 04E-27	0. 185061	0. 403	0. 123	7. 53E-23	CSCL1	ELMO2
SCD5. 11	5. 08E-27	0. 318162	0. 905	0. 385	7. 59E-23	CSCL1	SCD5
CCDC25. 8	5. 22E-27	0. 157732	0. 751	0. 289	7. 80E-23	CSCL1	CCDC25
G6PD. 6	5. 33E-27	0. 193616	0. 607	0. 221	7. 97E-23	CSCL1	G6PD
SWI5. 9	5. 43E-27	0. 147835	0. 637	0. 238	8. 11E-23	CSCL1	SWI5
GPALPP1. 5	5. 48E-27	0. 116828	0. 393	0. 116	8. 20E-23	CSCL1	GPALPP1
STRBP. 10	5. 75E-27	0. 196187	0. 398	0. 122	8. 59E-23	CSCL1	STRBP
ARID2. 4	5. 81E-27	0. 167722	0. 348	0. 098	8. 68E-23	CSCL1	ARID2
FAM57A. 7	5. 82E-27	0. 162603	0. 328	0. 09	8. 69E-23	CSCL1	FAM57A
SLC35E4. 2	5. 99E-27	0. 165141	0. 254	0. 061	8. 96E-23	CSCL1	SLC35E4
SURF2. 9	6. 38E-27	0. 207635	0. 612	0. 225	9. 53E-23	CSCL1	SURF2
PARD6G	6. 59E-27	0. 115342	0. 159	0. 027	9. 85E-23	CSCL1	PARD6G
HMG5. 3	6. 64E-27	0. 19653	0. 318	0. 087	9. 93E-23	CSCL1	HMG5
RAD1. 6	6. 89E-27	0. 13071	0. 512	0. 172	1. 03E-22	CSCL1	RAD1
TXNRD1. 6	6. 94E-27	0. 194584	0. 627	0. 231	1. 04E-22	CSCL1	TXNRD1
IL1RAP. 7	7. 07E-27	0. 225789	0. 468	0. 154	1. 06E-22	CSCL1	IL1RAP
EIF5A2. 2	7. 09E-27	0. 117134	0. 239	0. 054	1. 06E-22	CSCL1	EIF5A2
STX2. 8	7. 14E-27	0. 154411	0. 358	0. 103	1. 07E-22	CSCL1	STX2

FIP1L1.7	7.51E-27	0.167222	0.751	0.289	1.12E-22	CSCL1	FIP1L1
OBSL1.10	7.66E-27	0.156489	0.443	0.141	1.15E-22	CSCL1	OBSL1
TOPBP1.7	7.67E-27	0.17129	0.323	0.089	1.15E-22	CSCL1	TOPBP1
DLAT.5	7.96E-27	0.162947	0.398	0.121	1.19E-22	CSCL1	DLAT
FKBPL.5	8.03E-27	0.131323	0.259	0.062	1.20E-22	CSCL1	FKBPL
GLTP.7	8.12E-27	0.15625	0.692	0.261	1.21E-22	CSCL1	GLTP
IQGAP2.6	8.12E-27	0.180239	0.448	0.144	1.21E-22	CSCL1	IQGAP2
NAV1.8	8.21E-27	0.149551	0.483	0.157	1.23E-22	CSCL1	NAV1
AKAP8L.1C	8.23E-27	0.213176	0.652	0.242	1.23E-22	CSCL1	AKAP8L
COQ5.6	8.28E-27	0.112638	0.547	0.19	1.24E-22	CSCL1	COQ5
PARP2.7	8.30E-27	0.157316	0.368	0.107	1.24E-22	CSCL1	PARP2
LSM14A.7	8.46E-27	0.271612	0.886	0.372	1.26E-22	CSCL1	LSM14A
EMD.6	8.52E-27	0.191918	0.711	0.276	1.27E-22	CSCL1	EMD
PPFIA3.9	8.82E-27	0.197255	0.313	0.086	1.32E-22	CSCL1	PPFIA3
MAPRE1.5	9.25E-27	0.318732	0.945	0.469	1.38E-22	CSCL1	MAPRE1
VKORC1L1.9	9.48E-27	0.177024	0.408	0.126	1.42E-22	CSCL1	VKORC1L1
ELN.9	9.49E-27	0.185124	0.358	0.104	1.42E-22	CSCL1	ELN
SMARCD1.1	9.69E-27	0.190744	0.582	0.208	1.45E-22	CSCL1	SMARCD1
NCBP1.3	1.00E-26	0.112923	0.303	0.079	1.50E-22	CSCL1	NCBP1
MED1.4	1.03E-26	0.148851	0.383	0.114	1.53E-22	CSCL1	MED1
ARPC5L.8	1.03E-26	0.273765	0.866	0.361	1.54E-22	CSCL1	ARPC5L
BCKDHB.4	1.05E-26	0.144651	0.313	0.084	1.56E-22	CSCL1	BCKDHB
NUP98.2	1.07E-26	0.103512	0.338	0.093	1.61E-22	CSCL1	NUP98
HLA-DRB1.1	1.08E-26	-1.43316	0.224	0.538	1.62E-22	CSCL1	HLA-DRB1
SOX11.11	1.09E-26	0.140047	0.711	0.265	1.63E-22	CSCL1	SOX11
SLC27A4.3	1.10E-26	0.120818	0.244	0.056	1.64E-22	CSCL1	SLC27A4
DGAT1.4	1.13E-26	0.128924	0.313	0.084	1.69E-22	CSCL1	DGAT1
RFT1.4	1.13E-26	0.127181	0.418	0.131	1.69E-22	CSCL1	RFT1
PIGL.3	1.14E-26	0.100355	0.308	0.082	1.71E-22	CSCL1	PIGL
SF3A3.4	1.15E-26	0.127957	0.736	0.278	1.71E-22	CSCL1	SF3A3
LAPTM5.12	1.21E-26	-1.50055	0.075	0.442	1.81E-22	CSCL1	LAPTM5
SLC39A6.9	1.22E-26	0.271576	0.776	0.32	1.82E-22	CSCL1	SLC39A6
RTN4IP1	1.26E-26	0.113407	0.214	0.045	1.88E-22	CSCL1	RTN4IP1
CDV3.7	1.26E-26	0.17065	0.706	0.268	1.88E-22	CSCL1	CDV3
POLR3K.5	1.28E-26	0.131878	0.597	0.214	1.91E-22	CSCL1	POLR3K
DVL2.9	1.31E-26	0.165932	0.507	0.171	1.95E-22	CSCL1	DVL2
DGCR6L.5	1.31E-26	0.244819	0.816	0.327	1.96E-22	CSCL1	DGCR6L
ZCCHC3.9	1.34E-26	0.159051	0.353	0.102	2.00E-22	CSCL1	ZCCHC3
DDX42.7	1.34E-26	0.186889	0.587	0.212	2.01E-22	CSCL1	DDX42
EFCAB2.3	1.41E-26	0.137501	0.333	0.093	2.11E-22	CSCL1	EFCAB2
RP11-25K1	1.49E-26	0.14115	0.343	0.096	2.23E-22	CSCL1	RP11-25K19.1
NT5C3A.9	1.51E-26	0.194942	0.741	0.286	2.26E-22	CSCL1	NT5C3A
PDLIM7.8	1.56E-26	0.25357	0.627	0.232	2.33E-22	CSCL1	PDLIM7
ZNF362.3	1.57E-26	0.145104	0.328	0.09	2.35E-22	CSCL1	ZNF362
IP07.5	1.59E-26	0.160296	0.582	0.205	2.38E-22	CSCL1	IP07
ZNF519.3	1.62E-26	0.153075	0.194	0.039	2.43E-22	CSCL1	ZNF519
APOA1BP.5	1.66E-26	0.237303	0.861	0.367	2.48E-22	CSCL1	APOA1BP
URI1.8	1.67E-26	0.185957	0.597	0.214	2.49E-22	CSCL1	URI1
TBL2.3	1.85E-26	0.132455	0.532	0.183	2.77E-22	CSCL1	TBL2
UBE2G1.1C	1.86E-26	0.220366	0.657	0.251	2.78E-22	CSCL1	UBE2G1
AKT2.4	2.02E-26	0.126796	0.527	0.18	3.02E-22	CSCL1	AKT2



STMN1.11	2.14E-26	0.343922	1	0.624	3.19E-22	CSCL1	STMN1
PARG.1	2.14E-26	0.1065	0.209	0.044	3.20E-22	CSCL1	PARG
TBP.1	2.15E-26	0.108395	0.299	0.078	3.22E-22	CSCL1	TBP
CALM3.9	2.16E-26	0.35509	0.975	0.586	3.23E-22	CSCL1	CALM3
MED21.5	2.19E-26	0.140638	0.572	0.204	3.27E-22	CSCL1	MED21
AAGAB.4	2.30E-26	0.148494	0.373	0.11	3.44E-22	CSCL1	AAGAB
CSTF1.3	2.32E-26	0.118559	0.408	0.125	3.47E-22	CSCL1	CSTF1
PSME3.5	2.38E-26	0.138296	0.607	0.22	3.56E-22	CSCL1	PSME3
TNIK.8	2.41E-26	0.171899	0.438	0.139	3.60E-22	CSCL1	TNIK
PIGQ.2	2.41E-26	0.154622	0.363	0.106	3.60E-22	CSCL1	PIGQ
SMC5.4	2.43E-26	0.182165	0.507	0.174	3.63E-22	CSCL1	SMC5
NR2E1.5	2.44E-26	0.182234	0.229	0.052	3.65E-22	CSCL1	NR2E1
REPS1.8	2.45E-26	0.17675	0.398	0.123	3.66E-22	CSCL1	REPS1
SHC1.6	2.49E-26	0.132205	0.403	0.124	3.72E-22	CSCL1	SHC1
C7orf55.1	2.55E-26	0.257668	0.935	0.414	3.82E-22	CSCL1	C7orf55
TRIAP1.9	2.69E-26	0.144721	0.776	0.305	4.01E-22	CSCL1	TRIAP1
FXR1.2	2.80E-26	0.214269	0.781	0.319	4.19E-22	CSCL1	FXR1
ARNT2.11	2.82E-26	0.158611	0.363	0.107	4.21E-22	CSCL1	ARNT2
EFTUD2.6	2.82E-26	0.160113	0.587	0.208	4.22E-22	CSCL1	EFTUD2
KMT2A.11	3.01E-26	0.174968	0.627	0.229	4.49E-22	CSCL1	KMT2A
GPX7.7	3.14E-26	0.137831	0.502	0.171	4.70E-22	CSCL1	GPX7
PDZD11.7	3.16E-26	0.177685	0.851	0.35	4.73E-22	CSCL1	PDZD11
DCTN3.5	3.44E-26	0.29668	0.985	0.508	5.14E-22	CSCL1	DCTN3
C21orf59.3	3.52E-26	0.229362	0.751	0.309	5.27E-22	CSCL1	C21orf59
SEMA3A.4	3.56E-26	0.171032	0.214	0.047	5.31E-22	CSCL1	SEMA3A
SPAG1.1	3.64E-26	0.136337	0.204	0.043	5.44E-22	CSCL1	SPAG1
KCTD17.6	3.67E-26	0.167101	0.413	0.13	5.49E-22	CSCL1	KCTD17
SNUPN.5	3.78E-26	0.134906	0.473	0.157	5.65E-22	CSCL1	SNUPN
KIF2A.11	3.82E-26	0.200382	0.617	0.229	5.71E-22	CSCL1	KIF2A
CALU.10	3.83E-26	0.250654	0.896	0.395	5.72E-22	CSCL1	CALU
SS18L1.6	4.24E-26	0.117193	0.318	0.086	6.34E-22	CSCL1	SS18L1
IL17RB.8	4.26E-26	0.169232	0.204	0.043	6.36E-22	CSCL1	IL17RB
B4GALT3.6	4.30E-26	0.127558	0.592	0.212	6.42E-22	CSCL1	B4GALT3
EMC6.7	4.33E-26	0.333256	0.925	0.425	6.48E-22	CSCL1	EMC6
RAB4A.6	4.44E-26	0.265919	0.801	0.333	6.63E-22	CSCL1	RAB4A
WDFY1	4.58E-26	0.115284	0.299	0.079	6.84E-22	CSCL1	WDFY1
HOXD11.8	4.66E-26	0.141401	0.284	0.073	6.96E-22	CSCL1	HOXD11
PLEKH01.6	4.69E-26	0.165591	0.711	0.268	7.01E-22	CSCL1	PLEKH01
PPCDC.2	4.79E-26	0.136886	0.264	0.065	7.15E-22	CSCL1	PPCDC
CEP19.8	4.81E-26	0.145467	0.284	0.073	7.18E-22	CSCL1	CEP19
IL6ST.11	4.87E-26	0.175064	0.662	0.247	7.28E-22	CSCL1	IL6ST
CD47.7	4.90E-26	0.279921	0.876	0.375	7.32E-22	CSCL1	CD47
UBE2Q2.7	4.92E-26	0.173936	0.562	0.199	7.35E-22	CSCL1	UBE2Q2
TIA1.12	4.96E-26	0.169221	0.647	0.241	7.41E-22	CSCL1	TIA1
ABCF1.8	4.97E-26	0.222713	0.701	0.277	7.43E-22	CSCL1	ABCF1
TEX2.4	5.11E-26	0.16165	0.279	0.072	7.64E-22	CSCL1	TEX2
ZNF436.7	5.36E-26	0.200743	0.284	0.074	8.01E-22	CSCL1	ZNF436
TRDMT1	5.41E-26	0.108119	0.164	0.03	8.08E-22	CSCL1	TRDMT1
PFDN5.9	5.51E-26	-0.42476	0.995	0.882	8.23E-22	CSCL1	PFDN5
CAD.2	5.62E-26	0.12315	0.224	0.05	8.40E-22	CSCL1	CAD
MCM7.11	5.99E-26	0.218464	0.657	0.247	8.94E-22	CSCL1	MCM7

GPATCH11.	6.	06E-26	0.146406	0.423	0.133	9.05E-22	CSCL1	GPATCH11
HS6ST2.7	6.	24E-26	0.144918	0.249	0.059	9.32E-22	CSCL1	HS6ST2
FARSA.7	6.	36E-26	0.18774	0.791	0.311	9.50E-22	CSCL1	FARSA
FAM120A.8	6.	53E-26	0.175536	0.567	0.204	9.75E-22	CSCL1	FAM120A
TESK1.3	6.	64E-26	0.13807	0.294	0.077	9.92E-22	CSCL1	TESK1
CHCHD3.7	6.	74E-26	0.209	0.861	0.36	1.01E-21	CSCL1	CHCHD3
EMID1.8	6.	80E-26	0.128802	0.274	0.069	1.02E-21	CSCL1	EMID1
SNRNP40.4	6.	98E-26	0.156133	0.786	0.321	1.04E-21	CSCL1	SNRNP40
CECR5.7	7.	12E-26	0.220652	0.642	0.245	1.06E-21	CSCL1	CECR5
SHROOM2.1	7.	18E-26	0.131805	0.239	0.056	1.07E-21	CSCL1	SHROOM2
B3GALT6.7	7.	41E-26	0.150356	0.423	0.133	1.11E-21	CSCL1	B3GALT6
STK16.3	7.	62E-26	0.122763	0.527	0.182	1.14E-21	CSCL1	STK16
APEH.4	7.	78E-26	0.12404	0.547	0.19	1.16E-21	CSCL1	APEH
METTL13.4	8.	04E-26	0.143161	0.388	0.118	1.20E-21	CSCL1	METTL13
FAU.9	8.	16E-26	-0.41447	1	0.957	1.22E-21	CSCL1	FAU
IGSF11.8	8.	51E-26	0.153352	0.259	0.064	1.27E-21	CSCL1	IGSF11
METTL23.6	8.	61E-26	0.261052	0.751	0.311	1.29E-21	CSCL1	METTL23
CLDN10.8	8.	65E-26	0.113577	0.229	0.052	1.29E-21	CSCL1	CLDN10
KCTD13.9	9.	02E-26	0.20429	0.418	0.133	1.35E-21	CSCL1	KCTD13
TAF12.5	9.	10E-26	0.138757	0.761	0.301	1.36E-21	CSCL1	TAF12
ZNF569.5	9.	31E-26	0.156575	0.264	0.066	1.39E-21	CSCL1	ZNF569
BTN2A1.2	9.	49E-26	0.114954	0.383	0.115	1.42E-21	CSCL1	BTN2A1
RPP38.3	9.	52E-26	0.127067	0.408	0.128	1.42E-21	CSCL1	RPP38
ARFRP1.3	9.	60E-26	0.132994	0.652	0.24	1.44E-21	CSCL1	ARFRP1
DID01.7	9.	71E-26	0.158199	0.443	0.143	1.45E-21	CSCL1	DID01
ARAF.3	9.	72E-26	0.137259	0.502	0.172	1.45E-21	CSCL1	ARAF
FKBP14.3	9.	98E-26	0.172896	0.323	0.091	1.49E-21	CSCL1	FKBP14
CHST7.9	1.	02E-25	0.189792	0.353	0.105	1.52E-21	CSCL1	CHST7
KRAS.5	1.	03E-25	0.169586	0.662	0.247	1.54E-21	CSCL1	KRAS
RRP1B.8	1.	05E-25	0.159583	0.458	0.151	1.56E-21	CSCL1	RRP1B
ILKAP.7	1.	06E-25	0.144198	0.612	0.222	1.59E-21	CSCL1	ILKAP
H2AFY2.5	1.	09E-25	0.162773	0.343	0.1	1.62E-21	CSCL1	H2AFY2
CCNYL1.2	1.	09E-25	0.107523	0.239	0.056	1.63E-21	CSCL1	CCNYL1
FKTN.3	1.	10E-25	0.133923	0.249	0.06	1.65E-21	CSCL1	FKTN
ZCCHC17.6	1.	13E-25	0.19761	0.831	0.343	1.69E-21	CSCL1	ZCCHC17
IGF2BP3.1	1.	14E-25	0.175704	0.353	0.104	1.71E-21	CSCL1	IGF2BP3
LARP1.6	1.	18E-25	0.186557	0.652	0.245	1.77E-21	CSCL1	LARP1
PIM3.10	1.	21E-25	0.168566	0.532	0.184	1.81E-21	CSCL1	PIM3
DHPS.8	1.	22E-25	0.254855	0.935	0.438	1.82E-21	CSCL1	DHPS
NIPBL.5	1.	29E-25	0.177958	0.622	0.232	1.93E-21	CSCL1	NIPBL
DMWD.9	1.	34E-25	0.174083	0.428	0.136	2.00E-21	CSCL1	DMWD
PTP4A2.9	1.	35E-25	0.355026	0.915	0.445	2.01E-21	CSCL1	PTP4A2
POLD2.9	1.	40E-25	0.213775	0.95	0.412	2.10E-21	CSCL1	POLD2
PGAP2.4	1.	42E-25	0.124534	0.373	0.112	2.12E-21	CSCL1	PGAP2
CDC14B.4	1.	46E-25	0.129313	0.249	0.06	2.18E-21	CSCL1	CDC14B
BRIX1.9	1.	48E-25	0.118665	0.657	0.246	2.21E-21	CSCL1	BRIX1
SLC27A3.7	1.	48E-25	0.111932	0.388	0.118	2.22E-21	CSCL1	SLC27A3
PPP1R12C.1	1.	57E-25	0.1208	0.299	0.08	2.35E-21	CSCL1	PPP1R12C
OSBPL8.8	1.	60E-25	0.231682	0.771	0.303	2.39E-21	CSCL1	OSBPL8
RNF2.4	1.	61E-25	0.12661	0.438	0.142	2.41E-21	CSCL1	RNF2
C16orf45.1	1.	66E-25	0.208048	0.786	0.31	2.48E-21	CSCL1	C16orf45

EMP1.8	1.68E-25	0.164426	0.498	0.173	2.51E-21	CSCL1	EMP1
UBR7.5	1.73E-25	0.122457	0.373	0.113	2.58E-21	CSCL1	UBR7
RHOT1.7	1.83E-25	0.218253	0.632	0.242	2.73E-21	CSCL1	RHOT1
CBL.4	1.89E-25	0.126651	0.343	0.099	2.83E-21	CSCL1	CBL
KCTD6.4	1.94E-25	0.146422	0.373	0.113	2.90E-21	CSCL1	KCTD6
SMCHD1.9	1.96E-25	0.15068	0.522	0.181	2.93E-21	CSCL1	SMCHD1
POMGNT2.9	1.96E-25	0.202017	0.418	0.136	2.93E-21	CSCL1	POMGNT2
C1orf159.	1.98E-25	0.117114	0.219	0.049	2.95E-21	CSCL1	C1orf159
PDS5B.7	2.00E-25	0.140742	0.483	0.162	2.99E-21	CSCL1	PDS5B
SESN3.5	2.07E-25	0.162148	0.443	0.145	3.10E-21	CSCL1	SESN3
PEAK1.6	2.09E-25	0.121947	0.264	0.066	3.12E-21	CSCL1	PEAK1
TIMM9.1	2.13E-25	0.133661	0.682	0.27	3.18E-21	CSCL1	TIMM9
MAGEF1.11	2.20E-25	0.255226	0.851	0.355	3.29E-21	CSCL1	MAGEF1
PSD3.11	2.33E-25	0.173556	0.532	0.188	3.48E-21	CSCL1	PSD3
KDELR3.4	2.39E-25	0.117945	0.239	0.057	3.57E-21	CSCL1	KDELR3
RCE1.4	2.45E-25	0.156695	0.398	0.124	3.66E-21	CSCL1	RCE1
PLEKHJ1.8	2.49E-25	0.201598	0.871	0.358	3.72E-21	CSCL1	PLEKHJ1
IQCK.7	2.51E-25	0.116694	0.393	0.122	3.75E-21	CSCL1	IQCK
C9orf142.	2.51E-25	0.240556	0.861	0.367	3.75E-21	CSCL1	C9orf142
POLR1E.5	2.55E-25	0.118988	0.363	0.108	3.81E-21	CSCL1	POLR1E
PCDH19.9	2.55E-25	0.157835	0.239	0.057	3.82E-21	CSCL1	PCDH19
ZNF446.5	2.65E-25	0.117609	0.279	0.072	3.95E-21	CSCL1	ZNF446
UTP6.6	2.67E-25	0.127881	0.567	0.203	3.99E-21	CSCL1	UTP6
APPL1.4	2.76E-25	0.206443	0.721	0.288	4.13E-21	CSCL1	APPL1
SCAF1.8	2.77E-25	0.142195	0.453	0.148	4.14E-21	CSCL1	SCAF1
SPAG9.10	2.77E-25	0.254111	0.841	0.344	4.14E-21	CSCL1	SPAG9
SMAD2.2	2.78E-25	0.113404	0.527	0.183	4.15E-21	CSCL1	SMAD2
ZSCAN16-A	2.80E-25	0.160527	0.652	0.251	4.19E-21	CSCL1	ZSCAN16-AS1
FAM58A.5	2.96E-25	0.135928	0.453	0.149	4.43E-21	CSCL1	FAM58A
ARL9.11	2.98E-25	0.185188	0.343	0.1	4.46E-21	CSCL1	ARL9
THUMPD3.6	3.01E-25	0.124009	0.532	0.188	4.49E-21	CSCL1	THUMPD3
SLC9A3R2.	3.01E-25	0.15441	0.358	0.107	4.50E-21	CSCL1	SLC9A3R2
QRSL1.2	3.23E-25	0.114965	0.393	0.121	4.83E-21	CSCL1	QRSL1
SPRED1.7	3.32E-25	0.21875	0.542	0.195	4.97E-21	CSCL1	SPRED1
PXN-AS1.4	3.51E-25	0.135972	0.289	0.077	5.25E-21	CSCL1	PXN-AS1
ZCCHC8.1	3.55E-25	0.101864	0.303	0.082	5.31E-21	CSCL1	ZCCHC8
PRKCA.7	3.57E-25	0.200675	0.542	0.193	5.34E-21	CSCL1	PRKCA
DFFA.6	3.60E-25	0.14246	0.577	0.213	5.39E-21	CSCL1	DFFA
HES1.9	3.62E-25	0.195491	0.537	0.191	5.41E-21	CSCL1	HES1
BBS7.5	3.67E-25	0.140671	0.323	0.092	5.48E-21	CSCL1	BBS7
MAEL.1	3.78E-25	0.138731	0.159	0.029	5.66E-21	CSCL1	MAEL
TMEM63B.5	3.86E-25	0.13711	0.413	0.131	5.77E-21	CSCL1	TMEM63B
TMEM60.6	3.89E-25	0.124905	0.632	0.24	5.81E-21	CSCL1	TMEM60
DPP9.4	3.90E-25	0.101357	0.403	0.124	5.83E-21	CSCL1	DPP9
TAB1.2	4.01E-25	0.139389	0.274	0.071	5.99E-21	CSCL1	TAB1
RABEP1.7	4.16E-25	0.236392	0.637	0.246	6.22E-21	CSCL1	RABEP1
PTPRA.9	4.22E-25	0.329362	0.836	0.346	6.31E-21	CSCL1	PTPRA
JAGN1.6	4.23E-25	0.137327	0.781	0.312	6.32E-21	CSCL1	JAGN1
HDHD2.6	4.35E-25	0.122809	0.662	0.25	6.50E-21	CSCL1	HDHD2
SLMAP.3	4.41E-25	0.146698	0.393	0.122	6.58E-21	CSCL1	SLMAP
CCDC112.1	4.42E-25	0.211637	0.657	0.254	6.60E-21	CSCL1	CCDC112

UBE3A.10	4.49E-25	0.237963	0.706	0.28	6.71E-21	CSCL1	UBE3A
AP2B1.10	4.53E-25	0.247162	0.821	0.332	6.77E-21	CSCL1	AP2B1
CLPTM1.3	4.55E-25	0.230778	0.811	0.337	6.79E-21	CSCL1	CLPTM1
TUBA1B.7	4.57E-25	0.142327	1	0.894	6.83E-21	CSCL1	TUBA1B
TSSC4.7	4.57E-25	0.177169	0.761	0.304	6.84E-21	CSCL1	TSSC4
POLE3.4	4.58E-25	0.110076	0.642	0.24	6.84E-21	CSCL1	POLE3
TERF1.6	4.78E-25	0.212194	0.761	0.316	7.14E-21	CSCL1	TERF1
TMEM231.7	5.02E-25	0.119875	0.244	0.059	7.50E-21	CSCL1	TMEM231
EML1.4	5.03E-25	0.108203	0.289	0.076	7.51E-21	CSCL1	EML1
XPO7.1	5.13E-25	0.138122	0.328	0.094	7.67E-21	CSCL1	XPO7
WASL.9	5.35E-25	0.127387	0.517	0.178	7.99E-21	CSCL1	WASL
ARL6IP1.6	5.38E-25	0.290114	0.995	0.737	8.04E-21	CSCL1	ARL6IP1
ZNF232.8	5.42E-25	0.119141	0.289	0.076	8.10E-21	CSCL1	ZNF232
TIPRL.6	5.43E-25	0.104019	0.677	0.259	8.12E-21	CSCL1	TIPRL
MAPK7.8	5.70E-25	0.105529	0.393	0.12	8.52E-21	CSCL1	MAPK7
NKIRAS2.6	5.76E-25	0.136349	0.677	0.256	8.61E-21	CSCL1	NKIRAS2
XXYLT1.9	5.80E-25	0.160809	0.388	0.122	8.66E-21	CSCL1	XXYLT1
SAT1.10	6.10E-25	-0.79241	0.896	0.801	9.12E-21	CSCL1	SAT1
YDJC.7	6.17E-25	0.144523	0.428	0.139	9.22E-21	CSCL1	YDJC
LRRC58.6	6.18E-25	0.140565	0.562	0.2	9.23E-21	CSCL1	LRRC58
STK32B.6	6.60E-25	0.121843	0.244	0.059	9.87E-21	CSCL1	STK32B
MSANTD3.7	6.70E-25	0.13748	0.303	0.083	1.00E-20	CSCL1	MSANTD3
TMED1.8	6.70E-25	0.110775	0.716	0.284	1.00E-20	CSCL1	TMED1
VEGFA.8	6.85E-25	0.158982	0.572	0.21	1.02E-20	CSCL1	VEGFA
TFCP2.2	7.11E-25	0.130055	0.363	0.108	1.06E-20	CSCL1	TFCP2
SDC4.6	7.20E-25	0.100074	0.323	0.092	1.08E-20	CSCL1	SDC4
CCDC74B.1	7.22E-25	0.121487	0.169	0.032	1.08E-20	CSCL1	CCDC74B
PTGES2.6	7.25E-25	0.183553	0.677	0.26	1.08E-20	CSCL1	PTGES2
FAM78B.1	7.26E-25	0.108967	0.169	0.033	1.09E-20	CSCL1	FAM78B
WIZ.6	7.39E-25	0.160632	0.353	0.107	1.10E-20	CSCL1	WIZ
ZNF48.8	7.39E-25	0.163793	0.323	0.092	1.10E-20	CSCL1	ZNF48
GOLGA1.2	7.39E-25	0.103717	0.294	0.078	1.10E-20	CSCL1	GOLGA1
DEF8.8	7.56E-25	0.164951	0.682	0.263	1.13E-20	CSCL1	DEF8
SLC25A23.7	7.75E-25	0.185581	0.403	0.129	1.16E-20	CSCL1	SLC25A23
OXLD1.7	7.79E-25	0.199688	0.647	0.246	1.16E-20	CSCL1	OXLD1
UTP18.4	7.95E-25	0.217731	0.652	0.257	1.19E-20	CSCL1	UTP18
ABHD3.8	8.09E-25	0.168696	0.507	0.177	1.21E-20	CSCL1	ABHD3
AKAP8.4	8.11E-25	0.129141	0.413	0.13	1.21E-20	CSCL1	AKAP8
STRN3.4	8.33E-25	0.137791	0.398	0.125	1.24E-20	CSCL1	STRN3
DLGAP4.9	8.40E-25	0.218443	0.721	0.285	1.26E-20	CSCL1	DLGAP4
CHMP1A.5	8.51E-25	0.151953	0.697	0.266	1.27E-20	CSCL1	CHMP1A
TAF15.8	8.54E-25	0.164757	0.682	0.266	1.28E-20	CSCL1	TAF15
AFG3L2.3	8.80E-25	0.148162	0.562	0.201	1.31E-20	CSCL1	AFG3L2
RBM15B.1C	9.01E-25	0.134321	0.488	0.166	1.35E-20	CSCL1	RBM15B
PILRB.6	9.13E-25	0.148043	0.468	0.156	1.36E-20	CSCL1	PILRB
ADCK3.5	9.17E-25	0.139258	0.393	0.123	1.37E-20	CSCL1	ADCK3
DPY19L1.7	9.48E-25	0.128017	0.343	0.1	1.42E-20	CSCL1	DPY19L1
TARS.6	9.95E-25	0.145898	0.592	0.22	1.49E-20	CSCL1	TARS
EI24.9	1.01E-24	0.301213	0.945	0.424	1.51E-20	CSCL1	EI24
PGRMC2.6	1.02E-24	0.143759	0.597	0.219	1.53E-20	CSCL1	PGRMC2
LMF2.6	1.03E-24	0.137733	0.537	0.195	1.55E-20	CSCL1	LMF2

C9orf9.8	1.13E-24	0.130053	0.353	0.106	1.68E-20	CSCL1	C9orf9
PDLIM5.5	1.14E-24	0.135681	0.587	0.213	1.71E-20	CSCL1	PDLIM5
FARSB.8	1.17E-24	0.105018	0.612	0.226	1.74E-20	CSCL1	FARSB
THOC2.6	1.23E-24	0.174546	0.741	0.296	1.84E-20	CSCL1	THOC2
EGLN2.5	1.25E-24	0.19921	0.687	0.276	1.86E-20	CSCL1	EGLN2
HMGA1.7	1.25E-24	0.345929	0.766	0.338	1.86E-20	CSCL1	HMGA1
DHTKD1.4	1.28E-24	0.129597	0.383	0.121	1.91E-20	CSCL1	DHTKD1
PRIM1.7	1.31E-24	0.152225	0.289	0.078	1.96E-20	CSCL1	PRIM1
PN01.5	1.36E-24	0.150129	0.542	0.196	2.04E-20	CSCL1	PN01
HLA-DPA1.	1.40E-24	-1.33088	0.244	0.538	2.09E-20	CSCL1	HLA-DPA1
ILF3-AS1.	1.48E-24	0.152997	0.756	0.302	2.21E-20	CSCL1	ILF3-AS1
MARK2.4	1.56E-24	0.116184	0.388	0.12	2.33E-20	CSCL1	MARK2
AKAP7.10	1.58E-24	0.228577	0.522	0.189	2.37E-20	CSCL1	AKAP7
TMEM47.9	1.63E-24	0.179262	0.284	0.076	2.43E-20	CSCL1	TMEM47
DPF2.7	1.64E-24	0.109109	0.597	0.218	2.45E-20	CSCL1	DPF2
RP11-553L	1.65E-24	0.179262	0.592	0.22	2.47E-20	CSCL1	RP11-553L6.5
TIMM23.3	1.69E-24	0.136442	0.438	0.147	2.53E-20	CSCL1	TIMM23
AFAP1.8	1.70E-24	0.131572	0.299	0.081	2.54E-20	CSCL1	AFAP1
PARD6B.1	1.71E-24	0.116083	0.169	0.033	2.55E-20	CSCL1	PARD6B
RGS17.9	1.72E-24	0.201574	0.458	0.157	2.58E-20	CSCL1	RGS17
ST3GAL2.5	1.73E-24	0.147596	0.328	0.095	2.58E-20	CSCL1	ST3GAL2
PRKRA.7	1.80E-24	0.225038	0.816	0.353	2.69E-20	CSCL1	PRKRA
STX10.3	1.93E-24	0.207512	0.826	0.348	2.89E-20	CSCL1	STX10
RBM14.7	1.95E-24	0.169176	0.522	0.186	2.91E-20	CSCL1	RBM14
AP2A1.5	1.96E-24	0.149721	0.612	0.229	2.93E-20	CSCL1	AP2A1
UQCC2.6	2.06E-24	0.218705	0.9	0.418	3.07E-20	CSCL1	UQCC2
RWDD4.6	2.17E-24	0.187508	0.587	0.221	3.24E-20	CSCL1	RWDD4
KCTD20.4	2.23E-24	0.151945	0.512	0.182	3.34E-20	CSCL1	KCTD20
DOK5.10	2.25E-24	0.146707	0.507	0.177	3.36E-20	CSCL1	DOK5
ACTN4.8	2.25E-24	0.225715	0.786	0.325	3.36E-20	CSCL1	ACTN4
ARL10.8	2.40E-24	0.157131	0.303	0.085	3.59E-20	CSCL1	ARL10
APPBP2.8	2.44E-24	0.146516	0.557	0.203	3.64E-20	CSCL1	APPBP2
SLC41A1.3	2.50E-24	0.118174	0.254	0.064	3.73E-20	CSCL1	SLC41A1
EXT2.7	2.52E-24	0.172064	0.478	0.166	3.76E-20	CSCL1	EXT2
FADS2.9	2.52E-24	0.200293	0.403	0.132	3.77E-20	CSCL1	FADS2
ZFR.8	2.56E-24	0.253315	0.711	0.298	3.83E-20	CSCL1	ZFR
DHCR24.9	2.59E-24	0.146717	0.318	0.092	3.87E-20	CSCL1	DHCR24
HN1.7	2.59E-24	0.309337	0.985	0.67	3.88E-20	CSCL1	HN1
SAAL1.6	2.61E-24	0.100481	0.393	0.123	3.90E-20	CSCL1	SAAL1
C1QB.12	2.63E-24	-1.40368	0.343	0.574	3.93E-20	CSCL1	C1QB
PTPN11.5	2.65E-24	0.192701	0.428	0.143	3.96E-20	CSCL1	PTPN11
SHISA4.1C	2.79E-24	0.161796	0.632	0.239	4.17E-20	CSCL1	SHISA4
ABCE1.6	2.80E-24	0.154053	0.637	0.243	4.18E-20	CSCL1	ABCE1
SDCCAG3.4	2.86E-24	0.126545	0.318	0.092	4.27E-20	CSCL1	SDCCAG3
ING2.6	2.91E-24	0.172304	0.547	0.2	4.35E-20	CSCL1	ING2
ADNP.10	2.93E-24	0.17044	0.522	0.187	4.38E-20	CSCL1	ADNP
STOML2.6	2.94E-24	0.250074	0.92	0.412	4.39E-20	CSCL1	STOML2
GOT2.8	2.95E-24	0.134688	0.537	0.191	4.41E-20	CSCL1	GOT2
OSBPL5	3.04E-24	0.128183	0.194	0.042	4.54E-20	CSCL1	OSBPL5
LONRF1.8	3.04E-24	0.147697	0.323	0.094	4.55E-20	CSCL1	LONRF1
PLOD1.7	3.05E-24	0.116423	0.522	0.185	4.55E-20	CSCL1	PLOD1

CYB5B. 7	3. 13E-24	0. 129068	0. 801	0. 329	4. 68E-20	CSCL1	CYB5B
PHAX. 8	3. 35E-24	0. 14726	0. 746	0. 298	5. 00E-20	CSCL1	PHAX
ZNF649. 9	3. 37E-24	0. 169682	0. 303	0. 086	5. 04E-20	CSCL1	ZNF649
MUL1. 3	3. 38E-24	0. 138791	0. 458	0. 156	5. 05E-20	CSCL1	MUL1
ILF3. 8	3. 43E-24	0. 286298	0. 9	0. 403	5. 13E-20	CSCL1	ILF3
BICD1. 9	3. 56E-24	0. 205453	0. 547	0. 198	5. 32E-20	CSCL1	BICD1
DDX54. 5	3. 61E-24	0. 162352	0. 532	0. 193	5. 39E-20	CSCL1	DDX54
SIRT7. 5	3. 61E-24	0. 165482	0. 547	0. 2	5. 39E-20	CSCL1	SIRT7
ORAI1. 7	3. 67E-24	0. 175674	0. 378	0. 12	5. 49E-20	CSCL1	ORAI1
MECR. 7	3. 89E-24	0. 123027	0. 458	0. 156	5. 81E-20	CSCL1	MECR
NOP58. 9	3. 91E-24	0. 12541	0. 726	0. 284	5. 84E-20	CSCL1	NOP58
DTWD1. 2	3. 94E-24	0. 117456	0. 408	0. 132	5. 89E-20	CSCL1	DTWD1
CHTF8. 2	3. 98E-24	0. 142718	0. 493	0. 173	5. 95E-20	CSCL1	CHTF8
CCM2. 4	4. 02E-24	0. 15748	0. 711	0. 276	6. 01E-20	CSCL1	CCM2
SMAD4. 5	4. 03E-24	0. 139861	0. 378	0. 117	6. 03E-20	CSCL1	SMAD4
CUL5. 7	4. 05E-24	0. 154606	0. 587	0. 216	6. 05E-20	CSCL1	CUL5
NXT2. 4	4. 06E-24	0. 150208	0. 289	0. 079	6. 06E-20	CSCL1	NXT2
TPR. 8	4. 12E-24	0. 262022	0. 881	0. 396	6. 16E-20	CSCL1	TPR
FAM46A. 8	4. 33E-24	0. 138463	0. 532	0. 19	6. 48E-20	CSCL1	FAM46A
HCFC1. 4	4. 36E-24	0. 134674	0. 418	0. 137	6. 52E-20	CSCL1	HCFC1
MTG2. 5	4. 57E-24	0. 132254	0. 433	0. 142	6. 83E-20	CSCL1	MTG2
SLC25A14. 4	4. 61E-24	0. 106931	0. 308	0. 086	6. 89E-20	CSCL1	SLC25A14
ADD2. 9	4. 70E-24	0. 151826	0. 303	0. 084	7. 02E-20	CSCL1	ADD2
SMIM15. 4	4. 70E-24	0. 14319	0. 806	0. 324	7. 02E-20	CSCL1	SMIM15
ACLY. 7	4. 77E-24	0. 159225	0. 572	0. 21	7. 13E-20	CSCL1	ACLY
CTXN1. 11	4. 94E-24	0. 203186	0. 458	0. 154	7. 38E-20	CSCL1	CTXN1
CNEP1R1. 4	5. 09E-24	0. 103587	0. 353	0. 106	7. 61E-20	CSCL1	CNEP1R1
USP22. 11	5. 09E-24	0. 231102	0. 756	0. 312	7. 61E-20	CSCL1	USP22
STT3B. 4	5. 10E-24	0. 121513	0. 547	0. 198	7. 61E-20	CSCL1	STT3B
TMEM206. 1	5. 13E-24	0. 10373	0. 612	0. 224	7. 66E-20	CSCL1	TMEM206
SCAMP4. 8	5. 20E-24	0. 144316	0. 682	0. 261	7. 76E-20	CSCL1	SCAMP4
ZNF322. 8	5. 26E-24	0. 15762	0. 398	0. 129	7. 86E-20	CSCL1	ZNF322
FAM98B. 6	5. 31E-24	0. 12197	0. 318	0. 091	7. 94E-20	CSCL1	FAM98B
ELMOD1. 9	5. 31E-24	0. 180485	0. 284	0. 078	7. 94E-20	CSCL1	ELMOD1
ZNF367. 1	5. 37E-24	0. 144058	0. 149	0. 027	8. 02E-20	CSCL1	ZNF367
TUBE1. 4	5. 41E-24	0. 144312	0. 313	0. 09	8. 09E-20	CSCL1	TUBE1
SUDS3. 10	5. 46E-24	0. 184576	0. 507	0. 183	8. 17E-20	CSCL1	SUDS3
GNB4. 10	5. 51E-24	0. 110554	0. 612	0. 226	8. 24E-20	CSCL1	GNB4
CXXC1. 4	5. 54E-24	0. 102172	0. 488	0. 168	8. 28E-20	CSCL1	CXXC1
ZMYM4. 5	5. 56E-24	0. 162421	0. 383	0. 121	8. 31E-20	CSCL1	ZMYM4
PLEKHA8. 4	5. 63E-24	0. 116701	0. 244	0. 06	8. 42E-20	CSCL1	PLEKHA8
COPS7A. 3	5. 86E-24	0. 147283	0. 677	0. 269	8. 75E-20	CSCL1	COPS7A
LAMP5. 10	5. 91E-24	0. 213589	0. 343	0. 105	8. 83E-20	CSCL1	LAMP5
AK4. 10	6. 13E-24	0. 220396	0. 478	0. 174	9. 15E-20	CSCL1	AK4
TTC39C. 5	6. 18E-24	0. 134154	0. 284	0. 077	9. 23E-20	CSCL1	TTC39C
YRDC. 7	6. 27E-24	0. 150524	0. 458	0. 156	9. 37E-20	CSCL1	YRDC
LYRM7. 7	6. 36E-24	0. 136389	0. 542	0. 195	9. 50E-20	CSCL1	LYRM7
COQ4. 7	6. 42E-24	0. 144782	0. 672	0. 26	9. 59E-20	CSCL1	COQ4
COX7C. 5	6. 52E-24	-0. 37994	0. 99	0. 884	9. 75E-20	CSCL1	COX7C
RIF1. 9	6. 54E-24	0. 150732	0. 577	0. 214	9. 78E-20	CSCL1	RIF1
CCDC88A. 9	6. 89E-24	0. 27729	0. 891	0. 408	1. 03E-19	CSCL1	CCDC88A

GPT2.10	6.97E-24	0.172716	0.423	0.142	1.04E-19	CSCL1	GPT2
CTB-3102C	7.11E-24	0.20091	0.353	0.11	1.06E-19	CSCL1	CTB-31020.2
DHX40.8	7.11E-24	0.149583	0.413	0.134	1.06E-19	CSCL1	DHX40
SOX21-AS1	7.34E-24	0.165881	0.244	0.061	1.10E-19	CSCL1	SOX21-AS1
RP11-395A	7.34E-24	0.145606	0.274	0.073	1.10E-19	CSCL1	RP11-395A13.2
SNCAIP.11	7.41E-24	0.16152	0.294	0.082	1.11E-19	CSCL1	SNCAIP
LMO4.12	7.45E-24	0.340533	0.935	0.47	1.11E-19	CSCL1	LMO4
KPNA1.3	7.57E-24	0.142507	0.463	0.158	1.13E-19	CSCL1	KPNA1
ZBTB7A.6	7.74E-24	0.169806	0.488	0.173	1.16E-19	CSCL1	ZBTB7A
RPUSD3.2	7.79E-24	0.126168	0.522	0.19	1.16E-19	CSCL1	RPUSD3
ANP32B.1C	7.92E-24	0.292191	0.935	0.441	1.18E-19	CSCL1	ANP32B
WDPCP	8.06E-24	0.127378	0.199	0.044	1.20E-19	CSCL1	WDPCP
NSL1.6	8.56E-24	0.117097	0.821	0.338	1.28E-19	CSCL1	NSL1
HEY1.10	8.60E-24	0.209076	0.627	0.24	1.29E-19	CSCL1	HEY1
OTP.2	8.72E-24	0.138751	0.194	0.042	1.30E-19	CSCL1	OTP
NUFIP2.5	8.87E-24	0.182688	0.607	0.23	1.33E-19	CSCL1	NUFIP2
SMYD2.5	8.89E-24	0.12889	0.418	0.136	1.33E-19	CSCL1	SMYD2
CDC23.5	9.62E-24	0.106575	0.383	0.12	1.44E-19	CSCL1	CDC23
CRADD.4	9.80E-24	0.110268	0.338	0.101	1.46E-19	CSCL1	CRADD
LRRC59.7	9.94E-24	0.250534	0.806	0.35	1.49E-19	CSCL1	LRRC59
KATNB1.8	9.96E-24	0.162572	0.368	0.115	1.49E-19	CSCL1	KATNB1
MOCS2.7	1.02E-23	0.121553	0.657	0.256	1.52E-19	CSCL1	MOCS2
NARF.7	1.05E-23	0.227776	0.766	0.322	1.58E-19	CSCL1	NARF
FBN2.1	1.06E-23	0.133604	0.199	0.044	1.59E-19	CSCL1	FBN2
HPS4.5	1.07E-23	0.106104	0.502	0.177	1.60E-19	CSCL1	HPS4
ALKBH5.8	1.08E-23	0.269583	0.751	0.316	1.61E-19	CSCL1	ALKBH5
TERF2.1	1.14E-23	0.107314	0.289	0.079	1.70E-19	CSCL1	TERF2
LRFN4.5	1.17E-23	0.153552	0.264	0.07	1.76E-19	CSCL1	LRFN4
BCKDK.10	1.19E-23	0.165276	0.756	0.306	1.77E-19	CSCL1	BCKDK
CHCHD5.3	1.20E-23	0.15785	0.851	0.364	1.79E-19	CSCL1	CHCHD5
COX20.7	1.21E-23	0.260909	0.93	0.452	1.80E-19	CSCL1	COX20
FBX045.3	1.21E-23	0.128346	0.239	0.059	1.81E-19	CSCL1	FBX045
IDH1.5	1.24E-23	0.244128	0.831	0.372	1.85E-19	CSCL1	IDH1
YIF1B.5	1.43E-23	0.130753	0.811	0.325	2.13E-19	CSCL1	YIF1B
ASPSCR1.5	1.48E-23	0.162734	0.607	0.23	2.21E-19	CSCL1	ASPSCR1
TMEM245.3	1.48E-23	0.112563	0.403	0.129	2.21E-19	CSCL1	TMEM245
CERS2.5	1.51E-23	0.116627	0.597	0.225	2.26E-19	CSCL1	CERS2
CAMSAP2.8	1.52E-23	0.143026	0.433	0.144	2.27E-19	CSCL1	CAMSAP2
TAF1B.2	1.53E-23	0.138002	0.294	0.082	2.28E-19	CSCL1	TAF1B
RPP25L.3	1.62E-23	0.107298	0.468	0.162	2.41E-19	CSCL1	RPP25L
TXNRD2.5	1.63E-23	0.113619	0.368	0.114	2.43E-19	CSCL1	TXNRD2
COPG2.7	1.71E-23	0.15751	0.363	0.113	2.55E-19	CSCL1	COPG2
OXSR1.2	1.74E-23	0.1049	0.348	0.105	2.60E-19	CSCL1	OXSR1
FAM168A.6	1.82E-23	0.12284	0.388	0.123	2.71E-19	CSCL1	FAM168A
TMEM11.7	1.88E-23	0.15758	0.746	0.311	2.81E-19	CSCL1	TMEM11
NOTCH3.6	1.88E-23	0.109192	0.234	0.057	2.82E-19	CSCL1	NOTCH3
RNF24.9	1.89E-23	0.160961	0.637	0.242	2.82E-19	CSCL1	RNF24
RIC8A.7	1.91E-23	0.154225	0.697	0.279	2.86E-19	CSCL1	RIC8A
AASS.8	1.94E-23	0.149947	0.358	0.111	2.90E-19	CSCL1	AASS
CPXM1.11	2.02E-23	0.159128	0.378	0.12	3.02E-19	CSCL1	CPXM1
ALS2.3	2.14E-23	0.121194	0.224	0.054	3.19E-19	CSCL1	ALS2

RBMX. 8	2. 23E-23	0. 277196	0. 995	0. 559	3. 33E-19	CSCL1	RBMX
MUTYH. 1	2. 24E-23	0. 114546	0. 318	0. 092	3. 34E-19	CSCL1	MUTYH
GCDH. 3	2. 25E-23	0. 102441	0. 532	0. 192	3. 36E-19	CSCL1	GCDH
CBFB. 4	2. 26E-23	0. 146879	0. 592	0. 227	3. 38E-19	CSCL1	CBFB
MED24. 8	2. 37E-23	0. 133727	0. 473	0. 163	3. 54E-19	CSCL1	MED24
MRS2. 2	2. 38E-23	0. 107702	0. 453	0. 155	3. 56E-19	CSCL1	MRS2
ZNF275. 7	2. 39E-23	0. 112529	0. 224	0. 053	3. 58E-19	CSCL1	ZNF275
FBN1. 2	2. 40E-23	0. 114878	0. 159	0. 031	3. 58E-19	CSCL1	FBN1
C11orf57. 2	2. 43E-23	0. 101912	0. 443	0. 149	3. 63E-19	CSCL1	C11orf57
DDX49. 8	2. 45E-23	0. 188329	0. 672	0. 267	3. 66E-19	CSCL1	DDX49
TADA3. 5	2. 46E-23	0. 234237	0. 861	0. 382	3. 67E-19	CSCL1	TADA3
ANKRD35. 6	2. 52E-23	0. 174152	0. 398	0. 132	3. 76E-19	CSCL1	ANKRD35
EIF2AK2. 4	2. 53E-23	0. 14446	0. 736	0. 294	3. 78E-19	CSCL1	EIF2AK2
TMX2. 4	2. 63E-23	0. 18943	0. 886	0. 39	3. 92E-19	CSCL1	TMX2
SPARCL1. 1	2. 68E-23	0. 115795	0. 801	0. 338	4. 01E-19	CSCL1	SPARCL1
SAMM50. 5	2. 71E-23	0. 112649	0. 562	0. 209	4. 05E-19	CSCL1	SAMM50
IL11RA. 3	2. 72E-23	0. 110829	0. 239	0. 059	4. 06E-19	CSCL1	IL11RA
RAF1. 9	2. 74E-23	0. 130703	0. 697	0. 269	4. 09E-19	CSCL1	RAF1
PRICKLE2. 2	2. 79E-23	0. 128366	0. 184	0. 039	4. 17E-19	CSCL1	PRICKLE2
PRPF38A. 5	2. 79E-23	0. 130526	0. 701	0. 283	4. 17E-19	CSCL1	PRPF38A
MTOR. 3	2. 81E-23	0. 113367	0. 254	0. 066	4. 21E-19	CSCL1	MTOR
APOC1. 11	2. 93E-23	-1. 34438	0. 244	0. 521	4. 38E-19	CSCL1	APOC1
FASN. 10	3. 00E-23	0. 134584	0. 363	0. 112	4. 49E-19	CSCL1	FASN
BABAM1. 5	3. 01E-23	0. 190576	0. 896	0. 397	4. 50E-19	CSCL1	BABAM1
BRMS1. 5	3. 05E-23	0. 131933	0. 756	0. 303	4. 56E-19	CSCL1	BRMS1
PLCB1. 9	3. 06E-23	0. 153884	0. 279	0. 077	4. 58E-19	CSCL1	PLCB1
SLC9A3R1. 3	3. 21E-23	0. 122192	0. 433	0. 145	4. 80E-19	CSCL1	SLC9A3R1
TXNDC12. 8	3. 23E-23	0. 172718	0. 93	0. 424	4. 83E-19	CSCL1	TXNDC12
ILF2. 8	3. 33E-23	0. 290587	1	0. 567	4. 97E-19	CSCL1	ILF2
RRP9. 6	3. 43E-23	0. 130168	0. 443	0. 152	5. 12E-19	CSCL1	RRP9
GLUL. 8	3. 46E-23	-0. 76156	0. 905	0. 784	5. 17E-19	CSCL1	GLUL
DPYSL3. 11	3. 48E-23	0. 214994	0. 771	0. 314	5. 21E-19	CSCL1	DPYSL3
POP5. 5	3. 55E-23	0. 117967	0. 706	0. 289	5. 30E-19	CSCL1	POP5
CNOT11. 3	3. 62E-23	0. 160569	0. 368	0. 118	5. 42E-19	CSCL1	CNOT11
RBL1. 2	3. 64E-23	0. 129426	0. 204	0. 047	5. 44E-19	CSCL1	RBL1
SGSM3. 2	3. 68E-23	0. 134507	0. 512	0. 185	5. 50E-19	CSCL1	SGSM3
NUP188. 2	3. 78E-23	0. 132821	0. 284	0. 079	5. 64E-19	CSCL1	NUP188
MRAS. 8	3. 87E-23	0. 143993	0. 468	0. 162	5. 78E-19	CSCL1	MRAS
ATXN2L. 2	4. 01E-23	0. 129005	0. 488	0. 172	6. 00E-19	CSCL1	ATXN2L
EXOC5. 5	4. 09E-23	0. 114179	0. 493	0. 174	6. 11E-19	CSCL1	EXOC5
MAP2K4. 3	4. 10E-23	0. 145348	0. 318	0. 094	6. 13E-19	CSCL1	MAP2K4
AMMECR1. 1	4. 16E-23	0. 13456	0. 214	0. 051	6. 22E-19	CSCL1	AMMECR1
GTF2F2. 6	4. 36E-23	0. 179482	0. 721	0. 292	6. 51E-19	CSCL1	GTF2F2
SLC2A1. 8	4. 36E-23	0. 132958	0. 403	0. 133	6. 52E-19	CSCL1	SLC2A1
TRAP1. 9	4. 40E-23	0. 202978	0. 632	0. 252	6. 57E-19	CSCL1	TRAP1
GOLIM4. 8	4. 50E-23	0. 227781	0. 761	0. 319	6. 73E-19	CSCL1	GOLIM4
CEP350. 3	4. 54E-23	0. 151857	0. 512	0. 187	6. 78E-19	CSCL1	CEP350
POU3F3. 11	4. 57E-23	0. 136817	0. 443	0. 149	6. 83E-19	CSCL1	POU3F3
NPDC1. 10	4. 61E-23	0. 267519	0. 801	0. 315	6. 88E-19	CSCL1	NPDC1
BBIP1. 5	4. 69E-23	0. 115351	0. 488	0. 172	7. 01E-19	CSCL1	BBIP1
DNM1L. 7	4. 72E-23	0. 13615	0. 597	0. 226	7. 06E-19	CSCL1	DNM1L



SBN01.8	4.73E-23	0.137783	0.662	0.259	7.07E-19	CSCL1	SBN01
UMPS.6	4.86E-23	0.124558	0.393	0.128	7.27E-19	CSCL1	UMPS
PCDHGC3.1	4.99E-23	0.110796	0.194	0.043	7.46E-19	CSCL1	PCDHGC3
NOL10.6	5.18E-23	0.100562	0.443	0.15	7.74E-19	CSCL1	NOL10
C6orf203.5	5.31E-23	0.100757	0.463	0.16	7.94E-19	CSCL1	C6orf203
TAF6L.2	5.32E-23	0.13623	0.299	0.085	7.95E-19	CSCL1	TAF6L
PTOV1.11	5.46E-23	0.313802	0.94	0.43	8.16E-19	CSCL1	PTOV1
ZNF839	5.51E-23	0.104039	0.134	0.023	8.23E-19	CSCL1	ZNF839
GINM1.4	5.58E-23	0.154992	0.721	0.289	8.33E-19	CSCL1	GINM1
CTB-5506.5	5.70E-23	0.107837	0.194	0.043	8.52E-19	CSCL1	CTB-5506.12
COA1.6	5.82E-23	0.175164	0.871	0.389	8.70E-19	CSCL1	COA1
MAPKAPK5.5	5.89E-23	0.139012	0.498	0.178	8.81E-19	CSCL1	MAPKAPK5
STAT1.6	5.92E-23	0.166136	0.582	0.223	8.84E-19	CSCL1	STAT1
KIAA1191.6	6.12E-23	0.107994	0.662	0.257	9.15E-19	CSCL1	KIAA1191
RAB11B-AS1.6	6.19E-23	0.125476	0.393	0.127	9.26E-19	CSCL1	RAB11B-AS1
RP11-326I11.3	6.27E-23	0.111229	0.154	0.029	9.38E-19	CSCL1	RP11-326I11.3
NME7.11	6.57E-23	0.105189	0.453	0.156	9.83E-19	CSCL1	NME7
IFNAR2.8	6.65E-23	0.12458	0.532	0.194	9.94E-19	CSCL1	IFNAR2
NOC3L.4	6.83E-23	0.111752	0.308	0.09	1.02E-18	CSCL1	NOC3L
MKRN2.2	7.04E-23	0.121407	0.433	0.147	1.05E-18	CSCL1	MKRN2
LRRC16A.4	7.15E-23	0.132929	0.264	0.071	1.07E-18	CSCL1	LRRC16A
ZNF770.4	7.19E-23	0.160814	0.383	0.126	1.07E-18	CSCL1	ZNF770
POMT2.4	7.25E-23	0.102792	0.259	0.068	1.08E-18	CSCL1	POMT2
ISYNA1.7	7.31E-23	0.113345	0.398	0.129	1.09E-18	CSCL1	ISYNA1
P4HTM.8	7.89E-23	0.18655	0.652	0.255	1.18E-18	CSCL1	P4HTM
NUP205.2	8.15E-23	0.114232	0.234	0.058	1.22E-18	CSCL1	NUP205
ACAD9.3	8.22E-23	0.113701	0.358	0.111	1.23E-18	CSCL1	ACAD9
CTNNBL1.3	8.39E-23	0.137073	0.711	0.289	1.25E-18	CSCL1	CTNNBL1
CAPRIN1.9	8.63E-23	0.224691	0.756	0.313	1.29E-18	CSCL1	CAPRIN1
VGLL4.9	8.72E-23	0.218601	0.756	0.31	1.30E-18	CSCL1	VGLL4
LRRC47.9	8.80E-23	0.155725	0.562	0.21	1.32E-18	CSCL1	LRRC47
SNAPC3.6	8.88E-23	0.181405	0.393	0.131	1.33E-18	CSCL1	SNAPC3
TFG.6	8.89E-23	0.258104	0.886	0.4	1.33E-18	CSCL1	TFG
ZNF660.2	9.38E-23	0.112622	0.204	0.047	1.40E-18	CSCL1	ZNF660
RFC1.7	9.46E-23	0.112147	0.692	0.269	1.41E-18	CSCL1	RFC1
LRRC40.6	9.70E-23	0.132923	0.413	0.138	1.45E-18	CSCL1	LRRC40
AMZ2.6	1.02E-22	0.168776	0.856	0.372	1.52E-18	CSCL1	AMZ2
C20orf27.1	1.02E-22	0.24743	0.796	0.352	1.53E-18	CSCL1	C20orf27
CD276.5	1.05E-22	0.161061	0.572	0.216	1.57E-18	CSCL1	CD276
ANKRD16.3	1.06E-22	0.119586	0.209	0.049	1.58E-18	CSCL1	ANKRD16
ARHGAP19	1.06E-22	0.119429	0.144	0.026	1.59E-18	CSCL1	ARHGAP19
CAMK1.8	1.08E-22	0.195516	0.577	0.22	1.62E-18	CSCL1	CAMK1
NF2.4	1.09E-22	0.11921	0.433	0.146	1.63E-18	CSCL1	NF2
SNX27.5	1.12E-22	0.140446	0.617	0.238	1.67E-18	CSCL1	SNX27
PXDN.8	1.15E-22	0.151926	0.323	0.097	1.72E-18	CSCL1	PXDN
RNASEH1.8	1.19E-22	0.134993	0.582	0.223	1.78E-18	CSCL1	RNASEH1
SIAE.6	1.20E-22	0.100448	0.299	0.086	1.79E-18	CSCL1	SIAE
TMEM126B.1	1.21E-22	0.110133	0.741	0.301	1.81E-18	CSCL1	TMEM126B
MDM1.3	1.22E-22	0.127015	0.259	0.069	1.83E-18	CSCL1	MDM1
CAPN5.6	1.25E-22	0.153258	0.249	0.066	1.87E-18	CSCL1	CAPN5
NOC4L.4	1.26E-22	0.117424	0.443	0.151	1.89E-18	CSCL1	NOC4L

NSMCE4A. 5	1. 30E-22	0. 130974	0. 433	0. 148	1. 94E-18	CSCL1	NSMCE4A
MAN1A2. 8	1. 30E-22	0. 151229	0. 542	0. 198	1. 94E-18	CSCL1	MAN1A2
PTPN13. 9	1. 33E-22	0. 139472	0. 303	0. 089	1. 99E-18	CSCL1	PTPN13
AES. 11	1. 35E-22	0. 261277	0. 891	0. 402	2. 01E-18	CSCL1	AES
PVR. 4	1. 40E-22	0. 103882	0. 249	0. 064	2. 09E-18	CSCL1	PVR
KLHL7. 9	1. 43E-22	0. 201762	0. 672	0. 272	2. 14E-18	CSCL1	KLHL7
PITHD1. 7	1. 44E-22	0. 193871	0. 806	0. 338	2. 15E-18	CSCL1	PITHD1
NR2C2AP. 9	1. 47E-22	0. 121994	0. 458	0. 16	2. 19E-18	CSCL1	NR2C2AP
ZBTB18. 4	1. 50E-22	0. 131254	0. 209	0. 049	2. 24E-18	CSCL1	ZBTB18
TMUB2. 4	1. 52E-22	0. 107509	0. 652	0. 253	2. 27E-18	CSCL1	TMUB2
SAFB. 7	1. 54E-22	0. 164813	0. 701	0. 282	2. 30E-18	CSCL1	SAFB
ERBB2IP. 8	1. 54E-22	0. 126154	0. 582	0. 215	2. 31E-18	CSCL1	ERBB2IP
NAP1L4. 9	1. 54E-22	0. 246202	0. 876	0. 395	2. 31E-18	CSCL1	NAP1L4
OCIAD2. 11	1. 60E-22	0. 145099	0. 786	0. 38	2. 39E-18	CSCL1	OCIAD2
SPOP. 9	1. 65E-22	0. 149861	0. 741	0. 301	2. 47E-18	CSCL1	SPOP
NPAS3. 11	1. 72E-22	0. 17344	0. 448	0. 154	2. 57E-18	CSCL1	NPAS3
CPSF2. 2	1. 77E-22	0. 119256	0. 373	0. 12	2. 64E-18	CSCL1	CPSF2
DIAPH1. 8	1. 80E-22	0. 132415	0. 403	0. 134	2. 69E-18	CSCL1	DIAPH1
NOP56. 7	1. 84E-22	0. 23832	0. 896	0. 405	2. 76E-18	CSCL1	NOP56
LIN9	1. 87E-22	0. 111151	0. 144	0. 027	2. 79E-18	CSCL1	LIN9
AP1M1. 4	1. 89E-22	0. 128688	0. 567	0. 217	2. 83E-18	CSCL1	AP1M1
ARHGFEF26.	1. 95E-22	0. 140165	0. 373	0. 121	2. 91E-18	CSCL1	ARHGFEF26
HERC5. 5	1. 99E-22	0. 136674	0. 259	0. 07	2. 97E-18	CSCL1	HERC5
MLF1. 8	2. 04E-22	0. 106951	0. 607	0. 235	3. 04E-18	CSCL1	MLF1
CLPP. 5	2. 11E-22	0. 250329	0. 856	0. 39	3. 16E-18	CSCL1	CLPP
RFX4. 10	2. 24E-22	0. 101909	0. 428	0. 146	3. 35E-18	CSCL1	RFX4
ELAVL3. 12	2. 27E-22	0. 189746	0. 741	0. 303	3. 39E-18	CSCL1	ELAVL3
CCDC130. 7	2. 27E-22	0. 1382	0. 577	0. 222	3. 40E-18	CSCL1	CCDC130
DIS3L. 4	2. 28E-22	0. 107663	0. 328	0. 099	3. 41E-18	CSCL1	DIS3L
DPH7. 9	2. 31E-22	0. 134078	0. 463	0. 162	3. 45E-18	CSCL1	DPH7
SMARCE1. 8	2. 31E-22	0. 197619	0. 866	0. 37	3. 46E-18	CSCL1	SMARCE1
LTBP1. 7	2. 33E-22	0. 119514	0. 204	0. 048	3. 48E-18	CSCL1	LTBP1
NDUFAF6. 9	2. 33E-22	0. 110645	0. 493	0. 175	3. 49E-18	CSCL1	NDUFAF6
MIPEP. 2	2. 44E-22	0. 1156	0. 234	0. 059	3. 64E-18	CSCL1	MIPEP
TPT1. 9	2. 51E-22	-0. 40995	0. 995	0. 952	3. 74E-18	CSCL1	TPT1
RP11-563K	2. 51E-22	0. 119533	0. 239	0. 061	3. 75E-18	CSCL1	RP11-563K23. 1
ATG3. 9	2. 53E-22	0. 190349	0. 846	0. 369	3. 78E-18	CSCL1	ATG3
CDT1. 7	2. 59E-22	0. 167184	0. 229	0. 058	3. 87E-18	CSCL1	CDT1
ARHGAP5. 8	2. 60E-22	0. 10984	0. 517	0. 188	3. 88E-18	CSCL1	ARHGAP5
GORASP2. 6	2. 60E-22	0. 163323	0. 701	0. 286	3. 89E-18	CSCL1	GORASP2
ADAM9. 9	2. 60E-22	0. 210801	0. 771	0. 322	3. 89E-18	CSCL1	ADAM9
RNF14. 5	2. 62E-22	0. 153056	0. 512	0. 189	3. 92E-18	CSCL1	RNF14
RPP40. 7	2. 88E-22	0. 115319	0. 358	0. 114	4. 30E-18	CSCL1	RPP40
PGPEP1. 4	2. 92E-22	0. 133535	0. 388	0. 129	4. 36E-18	CSCL1	PGPEP1
PGBD1. 6	3. 13E-22	0. 115445	0. 254	0. 068	4. 68E-18	CSCL1	PGBD1
TCFL5. 1	3. 21E-22	0. 105473	0. 174	0. 037	4. 80E-18	CSCL1	TCFL5
OLIG2. 11	3. 28E-22	0. 185526	0. 478	0. 173	4. 90E-18	CSCL1	OLIG2
GTF3C1. 4	3. 33E-22	0. 128817	0. 333	0. 103	4. 98E-18	CSCL1	GTF3C1
RYK. 5	3. 40E-22	0. 101779	0. 299	0. 086	5. 09E-18	CSCL1	RYK
ARV1. 7	3. 44E-22	0. 111132	0. 478	0. 173	5. 14E-18	CSCL1	ARV1
ELOVL6. 8	3. 53E-22	0. 11713	0. 303	0. 089	5. 28E-18	CSCL1	ELOVL6

ANKRD11.7	3.56E-22	0.195129	0.746	0.308	5.32E-18	CSCL1	ANKRD11
CEP104.5	3.64E-22	0.103673	0.368	0.117	5.45E-18	CSCL1	CEP104
PPP1R8.5	3.70E-22	0.116358	0.567	0.217	5.52E-18	CSCL1	PPP1R8
ADAMTS9.9	3.76E-22	0.128815	0.269	0.074	5.61E-18	CSCL1	ADAMTS9
C3orf70.1	3.77E-22	0.181327	0.318	0.096	5.63E-18	CSCL1	C3orf70
HES6.10	3.91E-22	0.234421	0.667	0.279	5.84E-18	CSCL1	HES6
EVI5.5	3.95E-22	0.121561	0.498	0.179	5.90E-18	CSCL1	EVI5
LRTOMT.5	4.05E-22	0.124448	0.254	0.068	6.05E-18	CSCL1	LRTOMT
ZNF580.8	4.09E-22	0.264083	0.692	0.284	6.11E-18	CSCL1	ZNF580
ZFAND3.5	4.12E-22	0.170855	0.667	0.266	6.15E-18	CSCL1	ZFAND3
TBL1XR1.8	4.19E-22	0.164579	0.612	0.242	6.26E-18	CSCL1	TBL1XR1
SLC25A1.6	4.19E-22	0.15581	0.512	0.189	6.26E-18	CSCL1	SLC25A1
RCN1.12	4.23E-22	0.244792	0.806	0.346	6.32E-18	CSCL1	RCN1
SLC16A1.9	4.27E-22	0.119442	0.587	0.227	6.38E-18	CSCL1	SLC16A1
SMG6.5	4.29E-22	0.123925	0.368	0.118	6.41E-18	CSCL1	SMG6
GLOD4.5	4.31E-22	0.190441	0.851	0.381	6.45E-18	CSCL1	GLOD4
C1orf123.4	4.37E-22	0.105646	0.791	0.333	6.53E-18	CSCL1	C1orf123
CREB5.11	4.44E-22	0.101766	0.602	0.229	6.64E-18	CSCL1	CREB5
RGS6.9	4.61E-22	0.165639	0.294	0.087	6.89E-18	CSCL1	RGS6
MAPK1.5	4.66E-22	0.164628	0.612	0.236	6.96E-18	CSCL1	MAPK1
FRYL.11	4.66E-22	0.13664	0.498	0.182	6.97E-18	CSCL1	FRYL
WSCD1.10	4.67E-22	0.171282	0.383	0.126	6.98E-18	CSCL1	WSCD1
CXXC5.12	4.70E-22	0.278839	0.846	0.372	7.03E-18	CSCL1	CXXC5
FUBP3.7	4.88E-22	0.167459	0.597	0.234	7.29E-18	CSCL1	FUBP3
ARL2BP.8	4.92E-22	0.224583	0.871	0.397	7.35E-18	CSCL1	ARL2BP
HAT1.7	5.10E-22	0.133391	0.706	0.289	7.62E-18	CSCL1	HAT1
PURA.9	5.20E-22	0.164112	0.532	0.202	7.77E-18	CSCL1	PURA
C1QA.12	5.34E-22	-1.40017	0.313	0.541	7.98E-18	CSCL1	C1QA
EBF4.6	5.35E-22	0.129772	0.214	0.052	7.99E-18	CSCL1	EBF4
GRIK3.7	5.40E-22	0.117948	0.189	0.042	8.07E-18	CSCL1	GRIK3
ANKIB1.11	5.40E-22	0.142837	0.542	0.202	8.07E-18	CSCL1	ANKIB1
MON1A.7	5.53E-22	0.114319	0.289	0.083	8.26E-18	CSCL1	MON1A
RARS2.6	5.77E-22	0.103345	0.507	0.185	8.63E-18	CSCL1	RARS2
SFPQ.8	5.80E-22	0.326046	0.955	0.535	8.66E-18	CSCL1	SFPQ
NUP85.5	5.92E-22	0.105615	0.368	0.119	8.85E-18	CSCL1	NUP85
N6AMT1.2	5.99E-22	0.103488	0.234	0.06	8.94E-18	CSCL1	N6AMT1
HYI.4	6.08E-22	0.178292	0.398	0.135	9.08E-18	CSCL1	HYI
DNAL4.4	6.17E-22	0.154011	0.373	0.123	9.22E-18	CSCL1	DNAL4
BAG5.8	6.19E-22	0.124094	0.493	0.179	9.25E-18	CSCL1	BAG5
ZNHIT6.3	6.28E-22	0.1427	0.303	0.09	9.38E-18	CSCL1	ZNHIT6
ARIH2.4	6.33E-22	0.118736	0.627	0.243	9.46E-18	CSCL1	ARIH2
STAMBP.7	6.70E-22	0.12448	0.642	0.259	1.00E-17	CSCL1	STAMBP
MAPK11.7	6.72E-22	0.11456	0.214	0.052	1.00E-17	CSCL1	MAPK11
MFAP1.6	6.76E-22	0.112895	0.468	0.168	1.01E-17	CSCL1	MFAP1
C1QC.12	7.05E-22	-1.4608	0.249	0.506	1.05E-17	CSCL1	C1QC
C1orf131.7	7.06E-22	0.100336	0.522	0.195	1.06E-17	CSCL1	C1orf131
REXO4.5	7.17E-22	0.133884	0.507	0.185	1.07E-17	CSCL1	REXO4
HNRNPAB.1	7.21E-22	0.258133	0.886	0.389	1.08E-17	CSCL1	HNRNPAB
EPN1.4	7.21E-22	0.198665	0.781	0.327	1.08E-17	CSCL1	EPN1
RP11-126K	7.31E-22	0.126175	0.299	0.088	1.09E-17	CSCL1	RP11-126K1.6
MSTO1.3	7.32E-22	0.111901	0.289	0.083	1.09E-17	CSCL1	MSTO1

RNF180.11	7.42E-22	0.180607	0.453	0.163	1.11E-17	CSCL1	RNF180
DNAJC2.8	7.44E-22	0.150248	0.711	0.291	1.11E-17	CSCL1	DNAJC2
SPAG16.1C	7.46E-22	0.112687	0.711	0.289	1.11E-17	CSCL1	SPAG16
TNIP2.7	7.68E-22	0.128078	0.453	0.16	1.15E-17	CSCL1	TNIP2
HLA-DPB1.7	7.82E-22	-1.36262	0.234	0.499	1.17E-17	CSCL1	HLA-DPB1
STAU1.8	8.04E-22	0.254029	0.821	0.358	1.20E-17	CSCL1	STAU1
EZR.10	8.21E-22	0.13872	0.796	0.334	1.23E-17	CSCL1	EZR
TRIP12.5	8.68E-22	0.120655	0.453	0.16	1.30E-17	CSCL1	TRIP12
SETD4.5	8.71E-22	0.101367	0.373	0.121	1.30E-17	CSCL1	SETD4
HGS.6	8.76E-22	0.13172	0.552	0.21	1.31E-17	CSCL1	HGS
ZFP64.5	8.84E-22	0.141529	0.264	0.073	1.32E-17	CSCL1	ZFP64
TCEB3.5	9.04E-22	0.115411	0.473	0.171	1.35E-17	CSCL1	TCEB3
PANK2.5	9.12E-22	0.151875	0.532	0.203	1.36E-17	CSCL1	PANK2
ALOX5AP.1	9.32E-22	-1.41791	0.09	0.404	1.39E-17	CSCL1	ALOX5AP
HMGCS1.8	9.43E-22	0.11352	0.498	0.177	1.41E-17	CSCL1	HMGCS1
NOVA1-AS1	9.47E-22	0.100341	0.159	0.032	1.42E-17	CSCL1	NOVA1-AS1
ITGB8.10	9.63E-22	0.141847	0.612	0.233	1.44E-17	CSCL1	ITGB8
DCAF13.8	9.70E-22	0.138601	0.741	0.31	1.45E-17	CSCL1	DCAF13
C16orf87.9	9.86E-22	0.138392	0.527	0.199	1.47E-17	CSCL1	C16orf87
SZRD1.7	9.98E-22	0.103047	0.647	0.258	1.49E-17	CSCL1	SZRD1
FAM20B	1.02E-21	0.114835	0.224	0.056	1.53E-17	CSCL1	FAM20B
ERRFI1.7	1.03E-21	0.140452	0.423	0.147	1.54E-17	CSCL1	ERRFI1
SNHG7.6	1.17E-21	0.207427	0.801	0.338	1.74E-17	CSCL1	SNHG7
RFXANK.6	1.17E-21	0.136021	0.761	0.317	1.75E-17	CSCL1	RFXANK
BPGM.7	1.17E-21	0.139704	0.587	0.228	1.75E-17	CSCL1	BPGM
GRAMD1C.1	1.20E-21	0.116759	0.149	0.029	1.79E-17	CSCL1	GRAMD1C
DDX11.1	1.22E-21	0.141841	0.204	0.049	1.82E-17	CSCL1	DDX11
SLC35A3.2	1.25E-21	0.100832	0.368	0.119	1.87E-17	CSCL1	SLC35A3
XAB2.3	1.25E-21	0.110106	0.478	0.172	1.87E-17	CSCL1	XAB2
YY1.8	1.26E-21	0.220328	0.781	0.332	1.89E-17	CSCL1	YY1
CTNND2.9	1.29E-21	0.154483	0.433	0.153	1.92E-17	CSCL1	CTNND2
SART1.4	1.29E-21	0.143341	0.517	0.192	1.93E-17	CSCL1	SART1
ABCA3.8	1.29E-21	0.129977	0.264	0.073	1.93E-17	CSCL1	ABCA3
ZNF787.2	1.31E-21	0.109288	0.259	0.071	1.96E-17	CSCL1	ZNF787
C8orf59.5	1.39E-21	0.240605	0.861	0.385	2.07E-17	CSCL1	C8orf59
RCN2.11	1.40E-21	0.344413	0.93	0.459	2.10E-17	CSCL1	RCN2
SPATA2.4	1.45E-21	0.103551	0.244	0.064	2.17E-17	CSCL1	SPATA2
NFIC.6	1.47E-21	0.301995	0.861	0.426	2.19E-17	CSCL1	NFIC
RAB21.6	1.47E-21	0.132473	0.527	0.198	2.20E-17	CSCL1	RAB21
SLC35B1.6	1.48E-21	0.213021	0.866	0.383	2.21E-17	CSCL1	SLC35B1
GOPC.9	1.49E-21	0.13504	0.637	0.251	2.23E-17	CSCL1	GOPC
RANBP1.11	1.50E-21	0.317758	0.98	0.571	2.24E-17	CSCL1	RANBP1
RHEB.6	1.51E-21	0.304737	1	0.631	2.26E-17	CSCL1	RHEB
FAM192A.7	1.54E-21	0.185109	0.801	0.35	2.30E-17	CSCL1	FAM192A
NUCB2.7	1.55E-21	0.130749	0.786	0.339	2.32E-17	CSCL1	NUCB2
E2F6.6	1.56E-21	0.114066	0.408	0.14	2.33E-17	CSCL1	E2F6
RNF214.4	1.64E-21	0.11849	0.328	0.102	2.45E-17	CSCL1	RNF214
NONO.11	1.69E-21	0.269539	0.93	0.447	2.52E-17	CSCL1	NONO
SLC2A8.6	1.72E-21	0.107316	0.398	0.135	2.56E-17	CSCL1	SLC2A8
CTBP1.5	1.72E-21	0.114411	0.567	0.216	2.57E-17	CSCL1	CTBP1
WDR83.6	1.74E-21	0.104677	0.463	0.166	2.59E-17	CSCL1	WDR83

HMGA2.1	1.75E-21	0.127243	0.134	0.024	2.61E-17	CSCL1	HMGA2
C5orf51.3	1.79E-21	0.131833	0.299	0.089	2.68E-17	CSCL1	C5orf51
RP11-977G	1.83E-21	0.111971	0.244	0.065	2.73E-17	CSCL1	RP11-977G19.11
RALA.8	1.89E-21	0.186026	0.811	0.352	2.83E-17	CSCL1	RALA
PJA2.10	1.90E-21	0.253703	0.781	0.327	2.84E-17	CSCL1	PJA2
TXNDC17.1	1.92E-21	0.236467	0.95	0.517	2.87E-17	CSCL1	TXNDC17
TADA2A.2	1.97E-21	0.121257	0.259	0.071	2.94E-17	CSCL1	TADA2A
HMCE5.3	2.08E-21	0.114543	0.458	0.164	3.11E-17	CSCL1	HMCE5
FNDC4.10	2.09E-21	0.140436	0.522	0.192	3.12E-17	CSCL1	FNDC4
SENP5.6	2.20E-21	0.154171	0.393	0.133	3.28E-17	CSCL1	SENP5
LTBP3.6	2.23E-21	0.139167	0.542	0.204	3.34E-17	CSCL1	LTBP3
APBA2.12	2.24E-21	0.135287	0.537	0.201	3.34E-17	CSCL1	APBA2
ZC3H7A.6	2.29E-21	0.131952	0.418	0.145	3.43E-17	CSCL1	ZC3H7A
ZNF626.8	2.35E-21	0.107746	0.403	0.138	3.51E-17	CSCL1	ZNF626
SLC25A11.2	2.43E-21	0.231116	0.896	0.411	3.63E-17	CSCL1	SLC25A11
CHMP7.8	2.43E-21	0.104802	0.478	0.172	3.63E-17	CSCL1	CHMP7
MYO19.2	2.45E-21	0.102642	0.274	0.078	3.65E-17	CSCL1	MYO19
PTPN21.1	2.45E-21	0.10129	0.144	0.028	3.66E-17	CSCL1	PTPN21
MARK1.8	2.46E-21	0.158544	0.239	0.064	3.67E-17	CSCL1	MARK1
SRSF1.6	2.51E-21	0.186397	0.866	0.389	3.75E-17	CSCL1	SRSF1
PALM.8	2.55E-21	0.133979	0.323	0.1	3.80E-17	CSCL1	PALM
NSF.3	2.55E-21	0.125674	0.393	0.133	3.81E-17	CSCL1	NSF
CCDC66.9	2.56E-21	0.122536	0.582	0.223	3.83E-17	CSCL1	CCDC66
SLC35C2.5	2.67E-21	0.142191	0.622	0.247	3.98E-17	CSCL1	SLC35C2
PAPD7	2.67E-21	0.121621	0.184	0.042	3.99E-17	CSCL1	PAPD7
ZNF528.8	2.67E-21	0.109025	0.333	0.104	3.99E-17	CSCL1	ZNF528
PLCG1.7	2.72E-21	0.138761	0.313	0.096	4.07E-17	CSCL1	PLCG1
LSM2.7	2.72E-21	0.216748	0.92	0.439	4.07E-17	CSCL1	LSM2
MCAT.10	2.78E-21	0.114279	0.378	0.124	4.16E-17	CSCL1	MCAT
COG4.8	2.83E-21	0.119397	0.502	0.185	4.22E-17	CSCL1	COG4
MARK4.7	2.84E-21	0.116917	0.254	0.069	4.25E-17	CSCL1	MARK4
NDUFS1.8	2.88E-21	0.114783	0.637	0.248	4.30E-17	CSCL1	NDUFS1
TMEM67.8	2.98E-21	0.102511	0.303	0.091	4.45E-17	CSCL1	TMEM67
LLGL1.9	3.07E-21	0.123708	0.313	0.096	4.59E-17	CSCL1	LLGL1
GNB1L.1	3.09E-21	0.108243	0.284	0.082	4.61E-17	CSCL1	GNB1L
RUFY2.11	3.10E-21	0.120793	0.418	0.144	4.64E-17	CSCL1	RUFY2
ZNF148.4	3.12E-21	0.104883	0.617	0.242	4.67E-17	CSCL1	ZNF148
KCTD1.8	3.38E-21	0.120716	0.234	0.061	5.06E-17	CSCL1	KCTD1
SLC30A9.1	3.41E-21	0.136801	0.617	0.245	5.10E-17	CSCL1	SLC30A9
ZNF608.8	3.41E-21	0.157475	0.433	0.152	5.10E-17	CSCL1	ZNF608
ZSWIM7.1	3.44E-21	0.125718	0.796	0.335	5.14E-17	CSCL1	ZSWIM7
CARS.7	3.51E-21	0.120076	0.552	0.213	5.24E-17	CSCL1	CARS
CPE.11	3.58E-21	0.241913	0.861	0.381	5.35E-17	CSCL1	CPE
TOM1L1.7	3.65E-21	0.140377	0.214	0.055	5.45E-17	CSCL1	TOM1L1
TNRC6C.1C	3.72E-21	0.119917	0.463	0.167	5.56E-17	CSCL1	TNRC6C
DNAJB2.1C	3.74E-21	0.149119	0.731	0.307	5.60E-17	CSCL1	DNAJB2
NRBP1.3	3.96E-21	0.16199	0.771	0.333	5.91E-17	CSCL1	NRBP1
ARCN1.3	4.21E-21	0.115082	0.468	0.17	6.28E-17	CSCL1	ARCN1
STK33.9	4.23E-21	0.145361	0.239	0.065	6.32E-17	CSCL1	STK33
GADD45A.1	4.23E-21	0.162258	0.657	0.272	6.32E-17	CSCL1	GADD45A
UBQLN1.5	4.34E-21	0.121527	0.682	0.275	6.48E-17	CSCL1	UBQLN1

ANXA6. 4	4. 36E-21	0. 117272	0. 488	0. 179	6. 52E-17	CSCL1	ANXA6
DROSHA. 1	4. 37E-21	0. 113692	0. 254	0. 07	6. 53E-17	CSCL1	DROSHA
KCTD5. 6	4. 41E-21	0. 137603	0. 532	0. 202	6. 59E-17	CSCL1	KCTD5
TCF7L2. 5	4. 43E-21	0. 120467	0. 299	0. 09	6. 62E-17	CSCL1	TCF7L2
SHC4. 7	4. 75E-21	0. 155765	0. 214	0. 055	7. 09E-17	CSCL1	SHC4
EPHA3. 11	4. 83E-21	0. 146566	0. 254	0. 07	7. 21E-17	CSCL1	EPHA3
IRF2BP1. 9	4. 87E-21	0. 156722	0. 323	0. 102	7. 28E-17	CSCL1	IRF2BP1
COA6. 6	4. 88E-21	0. 131489	0. 652	0. 27	7. 29E-17	CSCL1	COA6
AGT. 10	4. 93E-21	0. 115179	0. 547	0. 214	7. 37E-17	CSCL1	AGT
NUDT11. 9	5. 05E-21	0. 144377	0. 368	0. 122	7. 54E-17	CSCL1	NUDT11
PRMT5. 9	5. 06E-21	0. 105139	0. 418	0. 146	7. 56E-17	CSCL1	PRMT5
PPP1CB. 8	5. 16E-21	0. 311142	0. 905	0. 499	7. 71E-17	CSCL1	PPP1CB
SH3PXD2B. 5	5. 21E-21	0. 100477	0. 353	0. 113	7. 79E-17	CSCL1	SH3PXD2B
COA4. 6	5. 49E-21	0. 15995	0. 846	0. 378	8. 21E-17	CSCL1	COA4
PHF13. 3	5. 50E-21	0. 111575	0. 234	0. 062	8. 21E-17	CSCL1	PHF13
DNM1. 7	5. 56E-21	0. 110458	0. 254	0. 07	8. 30E-17	CSCL1	DNM1
INTS10. 5	5. 66E-21	0. 112895	0. 716	0. 295	8. 46E-17	CSCL1	INTS10
RBCK1. 6	5. 76E-21	0. 200257	0. 771	0. 33	8. 61E-17	CSCL1	RBCK1
C6orf226. 5	5. 78E-21	0. 103337	0. 498	0. 184	8. 64E-17	CSCL1	C6orf226
RGS1. 12	5. 80E-21	-1. 40964	0. 169	0. 452	8. 67E-17	CSCL1	RGS1
MVK. 3	5. 84E-21	0. 126288	0. 264	0. 075	8. 73E-17	CSCL1	MVK
ZSCAN32. 4	5. 94E-21	0. 110949	0. 239	0. 064	8. 88E-17	CSCL1	ZSCAN32
PGM2L1. 1C	6. 00E-21	0. 141322	0. 622	0. 249	8. 97E-17	CSCL1	PGM2L1
TET1. 10	6. 02E-21	0. 137819	0. 274	0. 079	9. 00E-17	CSCL1	TET1
ARPP19. 7	6. 10E-21	0. 179626	0. 91	0. 417	9. 11E-17	CSCL1	ARPP19
NAA50. 5	6. 16E-21	0. 137241	0. 647	0. 265	9. 21E-17	CSCL1	NAA50
TIMM44. 7	6. 29E-21	0. 157323	0. 642	0. 256	9. 41E-17	CSCL1	TIMM44
SLC39A10. 6	6. 77E-21	0. 105237	0. 433	0. 152	1. 01E-16	CSCL1	SLC39A10
JAKMIP2. 8	7. 01E-21	0. 158333	0. 413	0. 146	1. 05E-16	CSCL1	JAKMIP2
SRSF12. 9	7. 20E-21	0. 100928	0. 254	0. 07	1. 08E-16	CSCL1	SRSF12
UNC119B. 5	7. 40E-21	0. 113895	0. 229	0. 06	1. 11E-16	CSCL1	UNC119B
PROSC. 3	7. 51E-21	0. 10385	0. 622	0. 245	1. 12E-16	CSCL1	PROSC
PRRT2. 9	7. 59E-21	0. 152435	0. 289	0. 087	1. 13E-16	CSCL1	PRRT2
RPS6KB1. 3	7. 71E-21	0. 108543	0. 373	0. 125	1. 15E-16	CSCL1	RPS6KB1
NTMT1. 4	7. 75E-21	0. 118857	0. 756	0. 317	1. 16E-16	CSCL1	NTMT1
ZNF639. 1C	7. 81E-21	0. 15369	0. 383	0. 132	1. 17E-16	CSCL1	ZNF639
COX4I1. 6	7. 83E-21	-0. 39071	1	0. 909	1. 17E-16	CSCL1	COX4I1
FEM1C. 6	7. 95E-21	0. 140157	0. 393	0. 135	1. 19E-16	CSCL1	FEM1C
TSEN34. 8	8. 21E-21	0. 257047	0. 826	0. 36	1. 23E-16	CSCL1	TSEN34
SLTM. 4	8. 21E-21	0. 16546	0. 781	0. 342	1. 23E-16	CSCL1	SLTM
DDX27. 6	9. 16E-21	0. 102958	0. 677	0. 275	1. 37E-16	CSCL1	DDX27
VBP1. 8	9. 32E-21	0. 215965	0. 95	0. 479	1. 39E-16	CSCL1	VBP1
PSMG3-AS1	9. 36E-21	0. 113422	0. 199	0. 048	1. 40E-16	CSCL1	PSMG3-AS1
CFDP1. 7	9. 39E-21	0. 142281	0. 905	0. 407	1. 40E-16	CSCL1	CFDP1
C12orf49	9. 43E-21	0. 103893	0. 299	0. 09	1. 41E-16	CSCL1	C12orf49
AATF. 5	9. 76E-21	0. 127885	0. 687	0. 284	1. 46E-16	CSCL1	AATF
OGFR. 6	1. 01E-20	0. 130476	0. 697	0. 279	1. 52E-16	CSCL1	OGFR
TXLNG. 7	1. 02E-20	0. 111168	0. 383	0. 129	1. 52E-16	CSCL1	TXLNG
C21orf2. 4	1. 05E-20	0. 141741	0. 502	0. 189	1. 56E-16	CSCL1	C21orf2
CHTOP. 7	1. 07E-20	0. 145225	0. 826	0. 359	1. 60E-16	CSCL1	CHTOP
NLGN2. 9	1. 10E-20	0. 12779	0. 294	0. 088	1. 64E-16	CSCL1	NLGN2

GEMIN4.1	1.12E-20	0.118086	0.209	0.052	1.67E-16	CSCL1	GEMIN4
BYSL.8	1.14E-20	0.115689	0.328	0.104	1.70E-16	CSCL1	BYSL
NADK2.5	1.19E-20	0.136714	0.308	0.096	1.77E-16	CSCL1	NADK2
RMND1.4	1.23E-20	0.120418	0.313	0.097	1.84E-16	CSCL1	RMND1
TREM2.12	1.30E-20	-1.37437	0.045	0.356	1.95E-16	CSCL1	TREM2
MAGI3.4	1.31E-20	0.126136	0.209	0.053	1.96E-16	CSCL1	MAGI3
REPIN1.11	1.33E-20	0.145247	0.667	0.267	1.99E-16	CSCL1	REPIN1
ZFPL1.6	1.34E-20	0.113719	0.577	0.229	2.00E-16	CSCL1	ZFPL1
MS4A6A.12	1.34E-20	-1.36906	0.035	0.346	2.01E-16	CSCL1	MS4A6A
DDR1.10	1.39E-20	0.195268	0.771	0.324	2.07E-16	CSCL1	DDR1
PTS.9	1.42E-20	0.121693	0.751	0.319	2.13E-16	CSCL1	PTS
MFI2-AS1.	1.43E-20	0.165233	0.254	0.072	2.13E-16	CSCL1	MFI2-AS1
PSMD14.8	1.46E-20	0.186518	0.95	0.459	2.18E-16	CSCL1	PSMD14
ARNTL.5	1.48E-20	0.107124	0.303	0.092	2.20E-16	CSCL1	ARNTL
NUDT5.6	1.50E-20	0.102973	0.706	0.299	2.24E-16	CSCL1	NUDT5
CASC3.7	1.54E-20	0.116139	0.488	0.18	2.30E-16	CSCL1	CASC3
DHX33.8	1.57E-20	0.134509	0.353	0.117	2.35E-16	CSCL1	DHX33
RNMTL1.7	1.60E-20	0.142114	0.368	0.125	2.39E-16	CSCL1	RNMTL1
DNAJA3.6	1.61E-20	0.121633	0.458	0.168	2.41E-16	CSCL1	DNAJA3
TYROBP.12	1.70E-20	-1.45941	0.199	0.464	2.55E-16	CSCL1	TYROBP
PPP4R1.3	1.76E-20	0.106808	0.338	0.108	2.62E-16	CSCL1	PPP4R1
MAP9.9	1.78E-20	0.13091	0.493	0.183	2.66E-16	CSCL1	MAP9
DNAJC1.7	1.84E-20	0.123178	0.483	0.18	2.74E-16	CSCL1	DNAJC1
WDR45B.6	1.90E-20	0.2467	0.856	0.395	2.84E-16	CSCL1	WDR45B
TMEM68.7	1.93E-20	0.112992	0.448	0.162	2.88E-16	CSCL1	TMEM68
USP14.5	1.97E-20	0.160113	0.617	0.251	2.95E-16	CSCL1	USP14
SLAIN2.6	1.98E-20	0.123812	0.393	0.134	2.96E-16	CSCL1	SLAIN2
FLYWCH2.6	2.01E-20	0.11428	0.726	0.302	3.01E-16	CSCL1	FLYWCH2
CCNG2.9	2.02E-20	0.138096	0.483	0.176	3.02E-16	CSCL1	CCNG2
MAN1B1.5	2.06E-20	0.10663	0.557	0.216	3.08E-16	CSCL1	MAN1B1
ZDHHC16.4	2.13E-20	0.143224	0.318	0.102	3.19E-16	CSCL1	ZDHHC16
ESF1.8	2.19E-20	0.190385	0.791	0.337	3.27E-16	CSCL1	ESF1
UBA6-AS1.	2.22E-20	0.108516	0.274	0.08	3.32E-16	CSCL1	UBA6-AS1
EIF3B.6	2.28E-20	0.134363	0.602	0.241	3.41E-16	CSCL1	EIF3B
ZNF444.8	2.30E-20	0.127323	0.433	0.155	3.44E-16	CSCL1	ZNF444
FAM208A.3	2.40E-20	0.120841	0.393	0.135	3.58E-16	CSCL1	FAM208A
HIVEP1	2.43E-20	0.100072	0.159	0.034	3.63E-16	CSCL1	HIVEP1
SMARCD3.1	2.54E-20	0.144306	0.577	0.225	3.79E-16	CSCL1	SMARCD3
NSRP1.4	2.64E-20	0.120762	0.806	0.348	3.95E-16	CSCL1	NSRP1
TTI1.6	2.65E-20	0.108041	0.303	0.093	3.96E-16	CSCL1	TTI1
C3orf17.4	2.65E-20	0.125227	0.393	0.138	3.97E-16	CSCL1	C3orf17
NLGN4X.1C	2.70E-20	0.155225	0.318	0.102	4.04E-16	CSCL1	NLGN4X
CDC25A	2.83E-20	0.113286	0.119	0.021	4.23E-16	CSCL1	CDC25A
BTBD2.3	2.83E-20	0.116296	0.303	0.094	4.23E-16	CSCL1	BTBD2
RAP2A.3	2.85E-20	0.106921	0.378	0.127	4.26E-16	CSCL1	RAP2A
C19orf24.	2.88E-20	0.222585	0.816	0.357	4.31E-16	CSCL1	C19orf24
POLR2H.8	2.92E-20	0.121548	0.736	0.316	4.36E-16	CSCL1	POLR2H
COPS3.5	2.98E-20	0.12467	0.831	0.361	4.46E-16	CSCL1	COPS3
USP33.3	3.00E-20	0.11194	0.473	0.174	4.48E-16	CSCL1	USP33
GTF3C4.4	3.06E-20	0.131175	0.234	0.064	4.57E-16	CSCL1	GTF3C4
KDM4A.5	3.07E-20	0.113848	0.338	0.109	4.58E-16	CSCL1	KDM4A

MED13.4	3.31E-20	0.114026	0.433	0.156	4.95E-16	CSCL1	MED13
ZNF593.6	3.39E-20	0.132208	0.711	0.294	5.07E-16	CSCL1	ZNF593
PPM1B.6	3.40E-20	0.12159	0.711	0.293	5.08E-16	CSCL1	PPM1B
WDR12.7	3.48E-20	0.132574	0.393	0.138	5.20E-16	CSCL1	WDR12
CTC-338M1	3.48E-20	0.101053	0.239	0.066	5.20E-16	CSCL1	CTC-338M12.5
TANC1.10	3.52E-20	0.148904	0.323	0.105	5.25E-16	CSCL1	TANC1
RAB34.8	3.79E-20	0.240902	0.657	0.277	5.66E-16	CSCL1	RAB34
LIFR.9	3.99E-20	0.112403	0.328	0.106	5.96E-16	CSCL1	LIFR
EPS15L1.7	4.09E-20	0.112006	0.443	0.161	6.11E-16	CSCL1	EPS15L1
CBX6.9	4.19E-20	0.178185	0.577	0.234	6.26E-16	CSCL1	CBX6
CYBA.12	4.32E-20	-1.29501	0.119	0.41	6.46E-16	CSCL1	CYBA
C9orf69.3	4.42E-20	0.100193	0.294	0.09	6.60E-16	CSCL1	C9orf69
PAFAH1B2.4	4.59E-20	0.175037	0.741	0.319	6.86E-16	CSCL1	PAFAH1B2
SSNA1.7	4.68E-20	0.221942	0.915	0.438	6.99E-16	CSCL1	SSNA1
VPS26B.9	4.70E-20	0.133434	0.572	0.225	7.03E-16	CSCL1	VPS26B
PPP2R3C.2	4.77E-20	0.115931	0.701	0.299	7.13E-16	CSCL1	PPP2R3C
AC093673.4	4.85E-20	0.168738	0.458	0.173	7.25E-16	CSCL1	AC093673.5
CCDC47.5	4.87E-20	0.223828	0.856	0.397	7.27E-16	CSCL1	CCDC47
CHMP6.5	5.02E-20	0.102564	0.502	0.19	7.50E-16	CSCL1	CHMP6
RSBN1.9	5.29E-20	0.102352	0.547	0.211	7.91E-16	CSCL1	RSBN1
NLGN3.10	5.42E-20	0.161671	0.333	0.11	8.10E-16	CSCL1	NLGN3
CCT5.9	5.63E-20	0.227442	0.945	0.474	8.42E-16	CSCL1	CCT5
UGP2.7	5.72E-20	0.190213	0.91	0.453	8.55E-16	CSCL1	UGP2
C1orf35.9	6.13E-20	0.116768	0.637	0.257	9.16E-16	CSCL1	C1orf35
UBN1.8	6.16E-20	0.123572	0.443	0.162	9.21E-16	CSCL1	UBN1
USP47.5	6.17E-20	0.126554	0.592	0.239	9.22E-16	CSCL1	USP47
PIP4K2B.6	6.26E-20	0.100204	0.313	0.099	9.35E-16	CSCL1	PIP4K2B
UBA2.9	6.27E-20	0.161902	0.821	0.35	9.37E-16	CSCL1	UBA2
ARHGDI1.1	6.42E-20	-1.33121	0.08	0.377	9.59E-16	CSCL1	ARHGDI1
PCDH10.9	6.49E-20	0.141364	0.234	0.065	9.69E-16	CSCL1	PCDH10
IFNAR1.8	7.00E-20	0.11327	0.672	0.283	1.05E-15	CSCL1	IFNAR1
MEN1.7	7.01E-20	0.109385	0.343	0.113	1.05E-15	CSCL1	MEN1
CAPN10-AS	7.08E-20	0.107765	0.164	0.036	1.06E-15	CSCL1	CAPN10-AS1
NRBF2.7	7.12E-20	0.182075	0.632	0.265	1.06E-15	CSCL1	NRBF2
YTHDC1.7	7.70E-20	0.151315	0.701	0.295	1.15E-15	CSCL1	YTHDC1
EID2.9	7.86E-20	0.13543	0.328	0.107	1.17E-15	CSCL1	EID2
PSMD12.6	7.91E-20	0.16538	0.766	0.335	1.18E-15	CSCL1	PSMD12
MAK16.4	7.96E-20	0.126278	0.289	0.089	1.19E-15	CSCL1	MAK16
ERF.9	8.11E-20	0.138684	0.458	0.172	1.21E-15	CSCL1	ERF
ACIN1.8	8.30E-20	0.106369	0.637	0.258	1.24E-15	CSCL1	ACIN1
TMF1.4	8.59E-20	0.100907	0.547	0.213	1.28E-15	CSCL1	TMF1
CHD4.8	8.64E-20	0.142176	0.746	0.315	1.29E-15	CSCL1	CHD4
RAB30.8	8.73E-20	0.107849	0.254	0.072	1.30E-15	CSCL1	RAB30
CTTN.10	8.78E-20	0.119374	0.567	0.223	1.31E-15	CSCL1	CTTN
SRSF4.8	8.84E-20	0.21442	0.791	0.352	1.32E-15	CSCL1	SRSF4
HEATR1.1	8.96E-20	0.104854	0.224	0.06	1.34E-15	CSCL1	HEATR1
KHDRBS1.9	9.21E-20	0.301012	0.94	0.478	1.38E-15	CSCL1	KHDRBS1
NASP.6	9.38E-20	0.190885	0.871	0.401	1.40E-15	CSCL1	NASP
RP9.9	9.47E-20	0.138379	0.463	0.174	1.41E-15	CSCL1	RP9
PLCD3.7	9.71E-20	0.115329	0.234	0.064	1.45E-15	CSCL1	PLCD3
FKBP4.7	9.82E-20	0.206638	0.711	0.314	1.47E-15	CSCL1	FKBP4



MCCC2.6	9.92E-20	0.117381	0.373	0.129	1.48E-15	CSCL1	MCCC2
EIF2AK1.9	1.00E-19	0.175498	0.756	0.324	1.50E-15	CSCL1	EIF2AK1
LIG1.2	1.00E-19	0.146656	0.244	0.068	1.50E-15	CSCL1	LIG1
HLA-DMA.1	1.02E-19	-1.30644	0.129	0.413	1.52E-15	CSCL1	HLA-DMA
PHIP.7	1.02E-19	0.143879	0.756	0.324	1.53E-15	CSCL1	PHIP
ATP6VOE1.1	1.04E-19	-0.59613	0.925	0.758	1.56E-15	CSCL1	ATP6VOE1
VSIG4.12	1.05E-19	-1.40097	0.075	0.37	1.57E-15	CSCL1	VSIG4
LINC00511.1	1.08E-19	0.146565	0.343	0.115	1.61E-15	CSCL1	LINC00511
CTU2.6	1.09E-19	0.107072	0.373	0.129	1.63E-15	CSCL1	CTU2
PPM1G.11	1.10E-19	0.266864	0.886	0.41	1.64E-15	CSCL1	PPM1G
FNBP4.6	1.10E-19	0.125921	0.607	0.246	1.64E-15	CSCL1	FNBP4
APOM.1	1.10E-19	0.110214	0.189	0.046	1.64E-15	CSCL1	APOM
PSTK.2	1.11E-19	0.109418	0.239	0.066	1.66E-15	CSCL1	PSTK
GMPS.6	1.11E-19	0.100106	0.478	0.179	1.66E-15	CSCL1	GMPS
SPARC.9	1.13E-19	0.106341	0.861	0.376	1.68E-15	CSCL1	SPARC
CNR1.9	1.15E-19	0.11018	0.249	0.07	1.72E-15	CSCL1	CNR1
HOXD-AS2.1	1.20E-19	0.11999	0.179	0.042	1.79E-15	CSCL1	HOXD-AS2
AKIRIN1.8	1.21E-19	0.187942	0.821	0.36	1.81E-15	CSCL1	AKIRIN1
SMARCB1.1	1.22E-19	0.266975	0.861	0.406	1.83E-15	CSCL1	SMARCB1
SCCPDH.5	1.24E-19	0.133592	0.841	0.369	1.85E-15	CSCL1	SCCPDH
PHF20L1.1	1.27E-19	0.198684	0.692	0.301	1.90E-15	CSCL1	PHF20L1
MED30.7	1.37E-19	0.103236	0.612	0.247	2.04E-15	CSCL1	MED30
MPP6.8	1.38E-19	0.177433	0.244	0.07	2.06E-15	CSCL1	MPP6
USP10.7	1.47E-19	0.11692	0.582	0.237	2.19E-15	CSCL1	USP10
GNB5.8	1.47E-19	0.138781	0.323	0.106	2.20E-15	CSCL1	GNB5
MIB2.8	1.54E-19	0.106837	0.408	0.145	2.30E-15	CSCL1	MIB2
KPNA4.6	1.55E-19	0.120369	0.468	0.175	2.32E-15	CSCL1	KPNA4
SH3RF1.8	1.56E-19	0.116536	0.318	0.103	2.33E-15	CSCL1	SH3RF1
ALDH16A1.1	1.57E-19	0.121512	0.348	0.115	2.34E-15	CSCL1	ALDH16A1
SMC6.9	1.58E-19	0.157029	0.413	0.152	2.37E-15	CSCL1	SMC6
TATDN1.4	1.59E-19	0.108356	0.577	0.23	2.37E-15	CSCL1	TATDN1
HARS.7	1.59E-19	0.126467	0.657	0.275	2.38E-15	CSCL1	HARS
ANKS3.8	1.63E-19	0.120151	0.443	0.163	2.43E-15	CSCL1	ANKS3
AHI1.4	1.63E-19	0.102164	0.517	0.2	2.44E-15	CSCL1	AHI1
C19orf25.1	1.65E-19	0.118575	0.716	0.292	2.47E-15	CSCL1	C19orf25
EP400.4	1.74E-19	0.114338	0.338	0.113	2.60E-15	CSCL1	EP400
DDA1.5	1.76E-19	0.131417	0.741	0.321	2.62E-15	CSCL1	DDA1
NACA.6	1.79E-19	-0.35239	0.995	0.923	2.67E-15	CSCL1	NACA
MARK3.9	1.94E-19	0.159254	0.667	0.281	2.90E-15	CSCL1	MARK3
PRCP.8	1.97E-19	0.13258	0.786	0.348	2.94E-15	CSCL1	PRCP
UBE2E3.1C	2.06E-19	0.258529	0.94	0.452	3.07E-15	CSCL1	UBE2E3
VWA1.11	2.09E-19	0.119194	0.393	0.14	3.12E-15	CSCL1	VWA1
PDCD7.7	2.13E-19	0.125508	0.547	0.215	3.19E-15	CSCL1	PDCD7
GBAS.7	2.18E-19	0.21214	0.871	0.392	3.26E-15	CSCL1	GBAS
ARL6IP6.6	2.19E-19	0.126789	0.657	0.274	3.27E-15	CSCL1	ARL6IP6
CDC5L.7	2.24E-19	0.1459	0.657	0.275	3.35E-15	CSCL1	CDC5L
HLA-DRB5.2	2.28E-19	-1.46156	0.124	0.404	3.41E-15	CSCL1	HLA-DRB5
ZNF644.5	2.33E-19	0.102802	0.612	0.246	3.48E-15	CSCL1	ZNF644
PEX14.2	2.38E-19	0.100863	0.299	0.094	3.55E-15	CSCL1	PEX14
G6PC3.5	2.38E-19	0.128549	0.791	0.339	3.55E-15	CSCL1	G6PC3
RDH14.5	2.50E-19	0.114228	0.478	0.183	3.74E-15	CSCL1	RDH14

UBP1.2	2.60E-19	0.112285	0.244	0.069	3.88E-15	CSCL1	UBP1
ATP6VOE2.	2.60E-19	0.283962	0.935	0.444	3.89E-15	CSCL1	ATP6VOE2
ABHD8.7	2.73E-19	0.104598	0.398	0.14	4.08E-15	CSCL1	ABHD8
INTS2.2	2.76E-19	0.101304	0.199	0.051	4.13E-15	CSCL1	INTS2
RP13-1032	2.88E-19	0.126712	0.259	0.076	4.30E-15	CSCL1	RP13-1032I1.7
EIF2S1.5	2.92E-19	0.113015	0.726	0.312	4.37E-15	CSCL1	EIF2S1
CAND1.5	2.97E-19	0.109256	0.567	0.229	4.44E-15	CSCL1	CAND1
ETV2.1	3.00E-19	0.101249	0.169	0.039	4.48E-15	CSCL1	ETV2
PMP22.10	3.20E-19	0.202727	0.846	0.42	4.78E-15	CSCL1	PMP22
RBM28.7	3.24E-19	0.1014	0.433	0.158	4.84E-15	CSCL1	RBM28
PPFIA1.3	3.30E-19	0.129345	0.438	0.162	4.93E-15	CSCL1	PPFIA1
DUT.10	3.37E-19	0.274806	0.92	0.447	5.03E-15	CSCL1	DUT
MPDZ.8	3.37E-19	0.112333	0.274	0.083	5.04E-15	CSCL1	MPDZ
ELOF1.9	3.38E-19	0.167441	0.91	0.415	5.06E-15	CSCL1	ELOF1
DCBLD1.5	3.41E-19	0.105609	0.279	0.085	5.09E-15	CSCL1	DCBLD1
BRAT1.6	3.53E-19	0.133115	0.468	0.179	5.28E-15	CSCL1	BRAT1
DBX2.10	3.62E-19	0.132015	0.224	0.062	5.41E-15	CSCL1	DBX2
CD53.12	3.74E-19	-1.2444	0.025	0.32	5.58E-15	CSCL1	CD53
CD14.12	3.85E-19	-1.36085	0.139	0.413	5.75E-15	CSCL1	CD14
HIGD1A.6	3.86E-19	0.1743	0.9	0.419	5.78E-15	CSCL1	HIGD1A
RGS2.10	3.98E-19	-1.22433	0.184	0.45	5.94E-15	CSCL1	RGS2
LRIG1.10	4.00E-19	0.113848	0.318	0.104	5.98E-15	CSCL1	LRIG1
YBX3.6	4.16E-19	0.271717	0.811	0.398	6.22E-15	CSCL1	YBX3
CHST8.9	4.19E-19	0.175217	0.229	0.065	6.26E-15	CSCL1	CHST8
SNRPD3.8	4.27E-19	0.139417	0.881	0.406	6.38E-15	CSCL1	SNRPD3
MALAT1.11	4.60E-19	-0.32952	1	0.995	6.88E-15	CSCL1	MALAT1
SCRN3.6	4.69E-19	0.121133	0.303	0.097	7.01E-15	CSCL1	SCRN3
WDR60.9	4.78E-19	0.107058	0.567	0.226	7.14E-15	CSCL1	WDR60
EEA1.6	4.81E-19	0.116804	0.602	0.239	7.18E-15	CSCL1	EEA1
DYNC1LI2.	4.86E-19	0.140804	0.776	0.337	7.26E-15	CSCL1	DYNC1LI2
GOLPH3.2	5.09E-19	0.101449	0.473	0.179	7.60E-15	CSCL1	GOLPH3
DDX23.4	5.13E-19	0.117898	0.418	0.154	7.66E-15	CSCL1	DDX23
GAN.8	5.55E-19	0.104227	0.388	0.137	8.30E-15	CSCL1	GAN
DDX1.9	5.56E-19	0.137829	0.801	0.352	8.31E-15	CSCL1	DDX1
AEBP2.3	5.64E-19	0.113791	0.269	0.081	8.44E-15	CSCL1	AEBP2
COPS7B.6	5.72E-19	0.102114	0.493	0.192	8.54E-15	CSCL1	COPS7B
KIAA0753.	5.96E-19	0.106199	0.149	0.032	8.91E-15	CSCL1	KIAA0753
MLEC.6	6.01E-19	0.213578	0.876	0.392	8.98E-15	CSCL1	MLEC
KAT7.6	6.11E-19	0.144105	0.393	0.143	9.14E-15	CSCL1	KAT7
LARS.8	6.28E-19	0.13682	0.781	0.334	9.38E-15	CSCL1	LARS
PSMC3.5	6.44E-19	0.205246	0.98	0.522	9.63E-15	CSCL1	PSMC3
MS4A4A.12	6.62E-19	-1.23607	0	0.291	9.89E-15	CSCL1	MS4A4A
TMEM134.7	6.87E-19	0.105471	0.721	0.302	1.03E-14	CSCL1	TMEM134
EIF3J.7	7.21E-19	0.182932	0.821	0.37	1.08E-14	CSCL1	EIF3J
STARD7.7	7.51E-19	0.160178	0.711	0.309	1.12E-14	CSCL1	STARD7
MMP16.10	7.53E-19	0.172183	0.303	0.1	1.12E-14	CSCL1	MMP16
CCDC8.6	7.80E-19	0.111312	0.184	0.045	1.17E-14	CSCL1	CCDC8
ADO.8	7.93E-19	0.114516	0.353	0.122	1.18E-14	CSCL1	ADO
SERINC3.5	8.10E-19	0.142513	0.816	0.357	1.21E-14	CSCL1	SERINC3
FGF14.10	8.89E-19	0.126899	0.269	0.082	1.33E-14	CSCL1	FGF14
AK9.1	8.97E-19	0.154407	0.204	0.054	1.34E-14	CSCL1	AK9

SCAF4.3	9.17E-19	0.100157	0.383	0.136	1.37E-14	CSCL1	SCAF4
UTP14C.4	9.33E-19	0.101106	0.264	0.079	1.39E-14	CSCL1	UTP14C
SRM.10	9.46E-19	0.220269	0.796	0.357	1.41E-14	CSCL1	SRM
DPYSL4.12	1.03E-18	0.119046	0.413	0.15	1.54E-14	CSCL1	DPYSL4
PHTF1.6	1.04E-18	0.114945	0.343	0.117	1.55E-14	CSCL1	PHTF1
OXTR.2	1.04E-18	0.141907	0.169	0.04	1.56E-14	CSCL1	OXTR
CNOT7.8	1.05E-18	0.120895	0.821	0.36	1.57E-14	CSCL1	CNOT7
EXD2.4	1.10E-18	0.100639	0.289	0.091	1.64E-14	CSCL1	EXD2
COPS8.10	1.15E-18	0.142031	0.965	0.461	1.72E-14	CSCL1	COPS8
C3.11	1.17E-18	-1.21757	0.129	0.406	1.74E-14	CSCL1	C3
ARMC10.8	1.19E-18	0.146765	0.692	0.29	1.78E-14	CSCL1	ARMC10
ICMT.5	1.21E-18	0.104095	0.368	0.129	1.81E-14	CSCL1	ICMT
WNK3.9	1.23E-18	0.128766	0.338	0.116	1.84E-14	CSCL1	WNK3
RFK.8	1.24E-18	0.120537	0.572	0.232	1.85E-14	CSCL1	RFK
MSH3.3	1.25E-18	0.113567	0.313	0.103	1.87E-14	CSCL1	MSH3
USP39.5	1.28E-18	0.107514	0.468	0.18	1.91E-14	CSCL1	USP39
ZRANB2.5	1.31E-18	0.109952	0.746	0.322	1.95E-14	CSCL1	ZRANB2
KXD1.7	1.31E-18	0.167393	0.896	0.441	1.96E-14	CSCL1	KXD1
C7orf55-L	1.35E-18	0.180415	0.746	0.331	2.01E-14	CSCL1	C7orf55-LUC7L2
DGKZ.5	1.36E-18	0.119044	0.488	0.19	2.03E-14	CSCL1	DGKZ
CIAO1.5	1.37E-18	0.109177	0.577	0.237	2.05E-14	CSCL1	CIAO1
IWS1.7	1.40E-18	0.114908	0.517	0.208	2.09E-14	CSCL1	IWS1
PBX1.10	1.43E-18	0.111134	0.527	0.209	2.13E-14	CSCL1	PBX1
CSNK1G1.1	1.45E-18	0.100065	0.234	0.066	2.17E-14	CSCL1	CSNK1G1
RNF20.4	1.56E-18	0.101076	0.398	0.144	2.33E-14	CSCL1	RNF20
ZNF827.9	1.57E-18	0.1107	0.328	0.111	2.34E-14	CSCL1	ZNF827
LRRTM2.1C	1.63E-18	0.135681	0.303	0.099	2.44E-14	CSCL1	LRRTM2
SHC3.2	1.66E-18	0.104766	0.184	0.046	2.48E-14	CSCL1	SHC3
C1orf162.	1.66E-18	-1.26547	0.04	0.327	2.48E-14	CSCL1	C1orf162
CNPY4.7	1.70E-18	0.11564	0.323	0.109	2.54E-14	CSCL1	CNPY4
TEX261.6	1.72E-18	0.119021	0.428	0.161	2.56E-14	CSCL1	TEX261
TRIM9.10	1.72E-18	0.126696	0.562	0.227	2.58E-14	CSCL1	TRIM9
PRCC.7	1.73E-18	0.119476	0.687	0.297	2.59E-14	CSCL1	PRCC
SAFB2.7	1.79E-18	0.130844	0.741	0.324	2.67E-14	CSCL1	SAFB2
UBTD2.8	1.85E-18	0.121215	0.308	0.102	2.76E-14	CSCL1	UBTD2
FCER1G.12	1.86E-18	-1.39586	0.199	0.446	2.78E-14	CSCL1	FCER1G
MLF2.11	1.90E-18	0.231128	0.99	0.602	2.84E-14	CSCL1	MLF2
MYL6B.11	1.91E-18	0.204389	0.92	0.434	2.85E-14	CSCL1	MYL6B
NPC2.11	1.91E-18	-1.0136	0.776	0.69	2.86E-14	CSCL1	NPC2
MSI1.10	1.94E-18	0.113158	0.373	0.131	2.90E-14	CSCL1	MSI1
RSAD1.7	1.97E-18	0.124446	0.393	0.144	2.94E-14	CSCL1	RSAD1
MPG.5	2.06E-18	0.1481	0.786	0.337	3.07E-14	CSCL1	MPG
NUBP2.7	2.09E-18	0.143112	0.836	0.374	3.13E-14	CSCL1	NUBP2
FBLN1.10	2.12E-18	0.168719	0.269	0.082	3.16E-14	CSCL1	FBLN1
HCLS1.12	2.15E-18	-1.14956	0.01	0.295	3.22E-14	CSCL1	HCLS1
PES1.6	2.18E-18	0.103265	0.478	0.187	3.26E-14	CSCL1	PES1
CASP3.6	2.25E-18	0.104408	0.488	0.192	3.36E-14	CSCL1	CASP3
TSN.7	2.42E-18	0.141022	0.811	0.369	3.61E-14	CSCL1	TSN
LSM3.2	2.43E-18	0.20229	0.985	0.553	3.63E-14	CSCL1	LSM3
POGK.6	2.45E-18	0.110548	0.358	0.125	3.66E-14	CSCL1	POGK
DNPEP.5	2.49E-18	0.122019	0.572	0.236	3.72E-14	CSCL1	DNPEP

PLOD3.9	2.53E-18	0.10811	0.527	0.212	3.78E-14	CSCL1	PLOD3
ATP2B1.7	2.55E-18	0.205757	0.776	0.347	3.81E-14	CSCL1	ATP2B1
EYA4.7	2.66E-18	0.115882	0.204	0.055	3.98E-14	CSCL1	EYA4
RRS1.5	2.77E-18	0.107838	0.383	0.138	4.14E-14	CSCL1	RRS1
GAP43.11	2.80E-18	0.234858	0.876	0.459	4.18E-14	CSCL1	GAP43
PTRH1.5	2.89E-18	0.101181	0.473	0.182	4.33E-14	CSCL1	PTRH1
CHD6.11	2.90E-18	0.109401	0.582	0.239	4.33E-14	CSCL1	CHD6
CNN3.10	3.15E-18	0.258282	0.95	0.46	4.70E-14	CSCL1	CNN3
SEZ6L2.1C	3.15E-18	0.111102	0.652	0.267	4.71E-14	CSCL1	SEZ6L2
MS4A7.12	3.16E-18	-1.27328	0.055	0.337	4.73E-14	CSCL1	MS4A7
CDH4.10	3.27E-18	0.130476	0.269	0.084	4.89E-14	CSCL1	CDH4
TUSC2.7	3.34E-18	0.161437	0.746	0.328	4.99E-14	CSCL1	TUSC2
LINC01116	3.35E-18	0.101399	0.363	0.129	5.00E-14	CSCL1	LINC01116
PRDM5	3.39E-18	0.100534	0.114	0.021	5.06E-14	CSCL1	PRDM5
TNP01.3	3.66E-18	0.1186	0.647	0.271	5.47E-14	CSCL1	TNP01
LDOC1L.9	3.80E-18	0.108401	0.269	0.083	5.68E-14	CSCL1	LDOC1L
RIN1.8	3.85E-18	0.123477	0.259	0.079	5.75E-14	CSCL1	RIN1
NIFK.8	3.87E-18	0.110744	0.781	0.341	5.78E-14	CSCL1	NIFK
SNRNP27.6	4.20E-18	0.121047	0.776	0.345	6.28E-14	CSCL1	SNRNP27
TTYH3.9	4.23E-18	0.110899	0.582	0.241	6.32E-14	CSCL1	TTYH3
CLDN12.12	4.31E-18	0.101129	0.373	0.134	6.44E-14	CSCL1	CLDN12
HSPA4L.7	4.43E-18	0.116312	0.239	0.07	6.62E-14	CSCL1	HSPA4L
PNMAL1.1C	4.60E-18	0.106238	0.289	0.093	6.88E-14	CSCL1	PNMAL1
RBBP6.7	4.65E-18	0.136044	0.706	0.306	6.95E-14	CSCL1	RBBP6
NOL7.3	4.70E-18	0.202956	0.9	0.431	7.03E-14	CSCL1	NOL7
METTL5.5	4.73E-18	0.121122	0.771	0.353	7.07E-14	CSCL1	METTL5
UBE2J1.5	4.76E-18	0.165564	0.637	0.274	7.12E-14	CSCL1	UBE2J1
DCHS1.9	5.50E-18	0.112437	0.264	0.081	8.22E-14	CSCL1	DCHS1
RBP1.10	5.82E-18	0.215098	0.93	0.452	8.70E-14	CSCL1	RBP1
TAF13.6	5.94E-18	0.111614	0.368	0.133	8.87E-14	CSCL1	TAF13
GNB1.7	5.98E-18	0.222719	0.856	0.407	8.94E-14	CSCL1	GNB1
CXXC4.9	6.04E-18	0.149629	0.249	0.075	9.02E-14	CSCL1	CXXC4
C18orf8.5	6.52E-18	0.117551	0.323	0.11	9.74E-14	CSCL1	C18orf8
ZBTB10.5	6.56E-18	0.105157	0.274	0.086	9.80E-14	CSCL1	ZBTB10
ZNF521.7	6.70E-18	0.137341	0.259	0.081	1.00E-13	CSCL1	ZNF521
HTRA2.6	6.79E-18	0.103252	0.532	0.219	1.01E-13	CSCL1	HTRA2
FCGR3A.12	7.01E-18	-1.28016	0.07	0.346	1.05E-13	CSCL1	FCGR3A
AC091729.9	7.72E-18	0.119428	0.254	0.077	1.15E-13	CSCL1	AC091729.9
HMG1.7	7.77E-18	0.279868	0.995	0.659	1.16E-13	CSCL1	HMG1
TXNL4A.7	7.85E-18	0.22679	0.836	0.403	1.17E-13	CSCL1	TXNL4A
TRPC4AP.7	7.96E-18	0.111572	0.592	0.245	1.19E-13	CSCL1	TRPC4AP
AGAP1.9	8.22E-18	0.10503	0.333	0.116	1.23E-13	CSCL1	AGAP1
SCAMP1.8	9.19E-18	0.10464	0.517	0.209	1.37E-13	CSCL1	SCAMP1
MEA1.4	9.30E-18	0.121237	0.896	0.425	1.39E-13	CSCL1	MEA1
ZNF292.9	9.42E-18	0.120517	0.612	0.258	1.41E-13	CSCL1	ZNF292
PSMD1.6	9.67E-18	0.105794	0.721	0.316	1.44E-13	CSCL1	PSMD1
POMGNT1.8	9.74E-18	0.125908	0.602	0.252	1.46E-13	CSCL1	POMGNT1
CCL3.12	9.76E-18	-1.22373	0.169	0.427	1.46E-13	CSCL1	CCL3
BCAN.12	9.77E-18	0.180642	0.612	0.27	1.46E-13	CSCL1	BCAN
ZNF681.3	9.79E-18	0.110042	0.164	0.039	1.46E-13	CSCL1	ZNF681
KLC2.9	1.01E-17	0.113974	0.338	0.117	1.51E-13	CSCL1	KLC2

MAML2.11	1.02E-17	0.110357	0.488	0.193	1.52E-13	CSCL1	MAML2
PRPF6.10	1.05E-17	0.134401	0.766	0.346	1.57E-13	CSCL1	PRPF6
PI4K2B.5	1.08E-17	0.12742	0.264	0.083	1.61E-13	CSCL1	PI4K2B
ATP6V1F.7	1.26E-17	-0.44625	0.98	0.798	1.88E-13	CSCL1	ATP6V1F
B3GAT3.5	1.26E-17	0.151971	0.801	0.371	1.89E-13	CSCL1	B3GAT3
AKIRIN2.8	1.30E-17	0.188212	0.791	0.374	1.94E-13	CSCL1	AKIRIN2
CBS.10	1.30E-17	0.146427	0.408	0.153	1.95E-13	CSCL1	CBS
PRPF31.7	1.31E-17	0.166549	0.831	0.384	1.96E-13	CSCL1	PRPF31
MRPS23.8	1.35E-17	0.110515	0.791	0.359	2.01E-13	CSCL1	MRPS23
ADAL.2	1.37E-17	0.128159	0.318	0.11	2.05E-13	CSCL1	ADAL
RBM17.6	1.38E-17	0.159655	0.806	0.361	2.05E-13	CSCL1	RBM17
FADS1.8	1.51E-17	0.118921	0.522	0.213	2.26E-13	CSCL1	FADS1
MIR210HG.1	1.64E-17	0.111837	0.274	0.088	2.45E-13	CSCL1	MIR210HG
NEAT1.8	1.66E-17	-0.49522	0.866	0.761	2.48E-13	CSCL1	NEAT1
FXVD6.12	1.67E-17	0.240563	0.965	0.452	2.50E-13	CSCL1	FXVD6
RP11-277F	1.67E-17	0.158342	0.224	0.064	2.50E-13	CSCL1	RP11-277P12.20
STARD3NL.1	1.82E-17	0.145463	0.841	0.39	2.73E-13	CSCL1	STARD3NL
C20orf24.1	1.83E-17	0.276617	0.925	0.459	2.73E-13	CSCL1	C20orf24
OSBPL10.1	1.85E-17	0.10522	0.169	0.042	2.76E-13	CSCL1	OSBPL10
OAZ1.8	1.85E-17	-0.31434	1	0.925	2.77E-13	CSCL1	OAZ1
SRP14.5	1.91E-17	-0.30083	0.995	0.864	2.85E-13	CSCL1	SRP14
HDLBP.6	1.95E-17	0.104235	0.761	0.329	2.92E-13	CSCL1	HDLBP
POLR2M.3	1.97E-17	0.114285	0.408	0.155	2.94E-13	CSCL1	POLR2M
AIF1.12	2.08E-17	-1.36215	0.169	0.415	3.11E-13	CSCL1	AIF1
ZFP36.9	2.09E-17	-1.06158	0.423	0.576	3.12E-13	CSCL1	ZFP36
NUDT16L1.2	2.21E-17	0.117981	0.647	0.275	3.30E-13	CSCL1	NUDT16L1
VAMP8.12	2.21E-17	-1.27893	0.08	0.348	3.30E-13	CSCL1	VAMP8
SRSF9.9	2.21E-17	0.302355	0.96	0.554	3.30E-13	CSCL1	SRSF9
CHID1.6	2.21E-17	0.130607	0.91	0.428	3.31E-13	CSCL1	CHID1
FOSL1.7	2.22E-17	0.115261	0.174	0.044	3.32E-13	CSCL1	FOSL1
LGALS1.9	2.27E-17	0.177381	0.97	0.699	3.40E-13	CSCL1	LGALS1
CACNG7.8	2.47E-17	0.110934	0.259	0.081	3.69E-13	CSCL1	CACNG7
PAFAH1B1.2	2.48E-17	0.135795	0.821	0.36	3.70E-13	CSCL1	PAFAH1B1
NPNT.2	2.59E-17	0.121938	0.134	0.029	3.88E-13	CSCL1	NPNT
MFSD12.9	2.62E-17	0.105044	0.468	0.186	3.91E-13	CSCL1	MFSD12
POLD3.3	2.69E-17	0.125546	0.284	0.093	4.02E-13	CSCL1	POLD3
TUBB2B.11	3.04E-17	0.336865	0.995	0.547	4.55E-13	CSCL1	TUBB2B
RNF114.5	3.07E-17	0.179	0.836	0.407	4.59E-13	CSCL1	RNF114
DHX29.9	3.16E-17	0.108564	0.682	0.303	4.73E-13	CSCL1	DHX29
NECAB3.5	3.64E-17	0.103618	0.289	0.095	5.43E-13	CSCL1	NECAB3
ABHD12.8	3.99E-17	0.224637	0.781	0.374	5.96E-13	CSCL1	ABHD12
PCSK1N.11	4.02E-17	0.30135	0.9	0.412	6.01E-13	CSCL1	PCSK1N
FMNL2.9	4.06E-17	0.100711	0.632	0.259	6.07E-13	CSCL1	FMNL2
CCND2.12	4.17E-17	0.127272	0.726	0.32	6.22E-13	CSCL1	CCND2
NRP2.9	4.33E-17	0.144696	0.522	0.216	6.48E-13	CSCL1	NRP2
PCDHB16.1	4.35E-17	0.137481	0.368	0.136	6.50E-13	CSCL1	PCDHB16
MLLT4.9	4.39E-17	0.102565	0.413	0.157	6.56E-13	CSCL1	MLLT4
REV3L.8	4.40E-17	0.110345	0.502	0.204	6.58E-13	CSCL1	REV3L
HDAC2.10	4.60E-17	0.197047	0.9	0.44	6.87E-13	CSCL1	HDAC2
ANKRD40.7	4.65E-17	0.121641	0.433	0.17	6.95E-13	CSCL1	ANKRD40
ITPA.4	5.01E-17	0.152466	0.836	0.397	7.48E-13	CSCL1	ITPA

RNF145.5	5.14E-17	0.191037	0.786	0.37	7.69E-13	CSCL1	RNF145
DUSP1.9	5.31E-17	-0.87268	0.438	0.577	7.94E-13	CSCL1	DUSP1
JAM3.8	5.34E-17	0.118153	0.383	0.145	7.98E-13	CSCL1	JAM3
LST1.12	5.54E-17	-1.19835	0.05	0.317	8.28E-13	CSCL1	LST1
KLHDC3.7	5.55E-17	0.133316	0.776	0.355	8.29E-13	CSCL1	KLHDC3
AKR7A2.6	5.86E-17	0.119157	0.721	0.308	8.76E-13	CSCL1	AKR7A2
SNTB2.5	5.92E-17	0.10395	0.279	0.092	8.85E-13	CSCL1	SNTB2
HLA-DQB1.5	5.98E-17	-1.24824	0.065	0.33	8.93E-13	CSCL1	HLA-DQB1
GPAA1.5	6.92E-17	0.167492	0.821	0.386	1.03E-12	CSCL1	GPAA1
HLA-DMB.1	7.49E-17	-1.24334	0.06	0.325	1.12E-12	CSCL1	HLA-DMB
ZBED5-AS1	7.58E-17	0.124069	0.274	0.09	1.13E-12	CSCL1	ZBED5-AS1
PSMD3.7	8.05E-17	0.171528	0.871	0.397	1.20E-12	CSCL1	PSMD3
MTCH2.4	8.19E-17	0.147274	0.866	0.421	1.22E-12	CSCL1	MTCH2
PTPRS.12	8.21E-17	0.103941	0.592	0.252	1.23E-12	CSCL1	PTPRS
RNF10.7	8.56E-17	0.120082	0.736	0.325	1.28E-12	CSCL1	RNF10
ACO11043.8	8.97E-17	0.129057	0.209	0.06	1.34E-12	CSCL1	ACO11043.1
NAA10.7	9.13E-17	0.172391	0.871	0.418	1.36E-12	CSCL1	NAA10
FDPS.7	1.01E-16	0.140931	0.861	0.408	1.51E-12	CSCL1	FDPS
PSKH1.1	1.01E-16	0.110549	0.214	0.063	1.52E-12	CSCL1	PSKH1
HAUS5.2	1.02E-16	0.105942	0.214	0.062	1.52E-12	CSCL1	HAUS5
ANKRD36C.1	1.03E-16	0.135865	0.408	0.158	1.54E-12	CSCL1	ANKRD36C
ACBD5.7	1.18E-16	0.100335	0.418	0.163	1.77E-12	CSCL1	ACBD5
GPR183.12	1.19E-16	-1.1979	0.03	0.294	1.78E-12	CSCL1	GPR183
FPR1.12	1.20E-16	-1.18347	0.025	0.289	1.79E-12	CSCL1	FPR1
SERPINA1.1	1.23E-16	-1.13117	0.04	0.304	1.84E-12	CSCL1	SERPINA1
PLA2G12A.1	1.26E-16	0.105188	0.547	0.228	1.88E-12	CSCL1	PLA2G12A
RP5-1065J	1.28E-16	0.104909	0.174	0.045	1.91E-12	CSCL1	RP5-1065J22.8
VIM.10	1.29E-16	0.305549	0.905	0.659	1.92E-12	CSCL1	VIM
HDDC2.7	1.31E-16	0.110843	0.846	0.393	1.95E-12	CSCL1	HDDC2
SHROOM3.2	1.32E-16	0.1035	0.159	0.039	1.97E-12	CSCL1	SHROOM3
ZNF138.8	1.33E-16	0.119401	0.378	0.141	1.99E-12	CSCL1	ZNF138
U2SURP.5	1.46E-16	0.107635	0.786	0.362	2.18E-12	CSCL1	U2SURP
FAM3C.11	1.54E-16	0.209033	0.896	0.429	2.30E-12	CSCL1	FAM3C
PSMD11.7	1.57E-16	0.157676	0.841	0.4	2.35E-12	CSCL1	PSMD11
CAMK2N1.1	1.74E-16	0.212021	0.672	0.31	2.60E-12	CSCL1	CAMK2N1
BLM.6	1.75E-16	0.119764	0.244	0.077	2.61E-12	CSCL1	BLM
ZNF853.8	1.79E-16	0.114211	0.174	0.045	2.68E-12	CSCL1	ZNF853
NUMBL.8	1.88E-16	0.109643	0.264	0.086	2.81E-12	CSCL1	NUMBL
HNRNPM.9	2.04E-16	0.277491	0.965	0.536	3.04E-12	CSCL1	HNRNPM
CMTM8.1	2.14E-16	0.104226	0.174	0.046	3.20E-12	CSCL1	CMTM8
ZC3H6.8	2.28E-16	0.10328	0.378	0.143	3.40E-12	CSCL1	ZC3H6
FOXD1.2	2.67E-16	0.103807	0.129	0.028	3.99E-12	CSCL1	FOXD1
PSMF1.3	2.84E-16	0.154971	0.821	0.391	4.24E-12	CSCL1	PSMF1
ARID1A.7	2.85E-16	0.101168	0.557	0.236	4.25E-12	CSCL1	ARID1A
HCST.12	3.03E-16	-1.15932	0.03	0.289	4.52E-12	CSCL1	HCST
TOMM7.5	3.29E-16	-0.39923	0.995	0.849	4.91E-12	CSCL1	TOMM7
ITGB1.8	3.83E-16	0.218607	0.781	0.379	5.73E-12	CSCL1	ITGB1
HLA-DQA1.4	4.31E-16	-1.29057	0.055	0.311	6.45E-12	CSCL1	HLA-DQA1
ITGB2.12	4.50E-16	-1.18021	0.075	0.328	6.72E-12	CSCL1	ITGB2
C10orf54.4	4.54E-16	-1.07901	0.035	0.292	6.79E-12	CSCL1	C10orf54
LY86.12	4.73E-16	-1.17078	0.04	0.296	7.08E-12	CSCL1	LY86

RP11-629G	4.95E-16	0.113392	0.104	0.02	7.40E-12	CSCL1	RP11-629G13.1
NOVA1.12	4.96E-16	0.301547	0.965	0.47	7.41E-12	CSCL1	NOVA1
FUBP1.11	4.96E-16	0.106558	0.522	0.219	7.41E-12	CSCL1	FUBP1
CD37.12	5.01E-16	-1.16333	0.05	0.305	7.49E-12	CSCL1	CD37
SPIRE1.5	5.68E-16	0.102552	0.279	0.095	8.49E-12	CSCL1	SPIRE1
QKI.9	5.86E-16	0.226135	0.925	0.463	8.76E-12	CSCL1	QKI
CAMTA1.5	6.62E-16	0.19882	0.876	0.442	9.90E-12	CSCL1	CAMTA1
MDK.11	6.65E-16	0.202636	0.965	0.483	9.93E-12	CSCL1	MDK
VDAC3.7	6.79E-16	0.141661	0.891	0.457	1.02E-11	CSCL1	VDAC3
RTF1.10	7.39E-16	0.17193	0.896	0.422	1.11E-11	CSCL1	RTF1
CACTIN.2	7.64E-16	0.108326	0.209	0.062	1.14E-11	CSCL1	CACTIN
DUSP6.4	8.30E-16	0.113969	0.547	0.239	1.24E-11	CSCL1	DUSP6
RDH10.11	8.34E-16	0.106227	0.254	0.083	1.25E-11	CSCL1	RDH10
CALD1.10	8.87E-16	0.115097	0.9	0.411	1.33E-11	CSCL1	CALD1
ZNF22.9	8.93E-16	0.123658	0.597	0.27	1.33E-11	CSCL1	ZNF22
LMCD1.8	9.13E-16	0.100645	0.254	0.083	1.36E-11	CSCL1	LMCD1
MYL6.8	1.10E-15	-0.34478	1	0.941	1.65E-11	CSCL1	MYL6
YBX1.8	1.12E-15	0.216508	1	0.759	1.68E-11	CSCL1	YBX1
SLC11A1.1	1.14E-15	-1.04015	0.055	0.31	1.71E-11	CSCL1	SLC11A1
NDUFV1.5	1.15E-15	0.176245	0.93	0.472	1.72E-11	CSCL1	NDUFV1
EPHA4.9	1.23E-15	0.104096	0.244	0.079	1.83E-11	CSCL1	EPHA4
LINC00657	1.28E-15	0.134275	0.726	0.325	1.91E-11	CSCL1	LINC00657
MSH2.7	1.37E-15	0.103522	0.313	0.112	2.04E-11	CSCL1	MSH2
PNN.9	1.40E-15	0.123966	0.851	0.393	2.09E-11	CSCL1	PNN
POLR2K.5	1.48E-15	0.165743	0.95	0.481	2.21E-11	CSCL1	POLR2K
LOXL1.9	1.50E-15	0.130954	0.234	0.075	2.24E-11	CSCL1	LOXL1
RAN.8	1.50E-15	0.12565	1	0.752	2.25E-11	CSCL1	RAN
C1orf61.1	1.55E-15	0.236509	0.95	0.528	2.31E-11	CSCL1	C1orf61
PRKCSH.6	1.58E-15	0.111853	0.876	0.423	2.36E-11	CSCL1	PRKCSH
VAX2.10	1.59E-15	0.138092	0.239	0.077	2.38E-11	CSCL1	VAX2
ZBTB33.2	1.59E-15	0.112096	0.199	0.058	2.38E-11	CSCL1	ZBTB33
EIF4A1.7	1.60E-15	-0.29274	0.98	0.859	2.39E-11	CSCL1	EIF4A1
RNASE6.12	1.60E-15	-1.09951	0.03	0.279	2.39E-11	CSCL1	RNASE6
PRPF4B.5	1.61E-15	0.111385	0.602	0.268	2.41E-11	CSCL1	PRPF4B
PAXIP1-AS	1.62E-15	0.105864	0.393	0.154	2.42E-11	CSCL1	PAXIP1-AS1
MOK.2	1.84E-15	0.109757	0.209	0.063	2.75E-11	CSCL1	MOK
C17orf51.1	1.95E-15	0.100351	0.214	0.065	2.91E-11	CSCL1	C17orf51
RNF167.4	1.97E-15	0.118487	0.846	0.4	2.94E-11	CSCL1	RNF167
NSA2.7	2.00E-15	0.140094	0.836	0.391	2.99E-11	CSCL1	NSA2
NCOR1.10	2.04E-15	0.251198	0.891	0.457	3.05E-11	CSCL1	NCOR1
GPX1.12	2.04E-15	-0.45379	0.965	0.811	3.05E-11	CSCL1	GPX1
SLC25A6.7	2.05E-15	-0.30593	1	0.855	3.06E-11	CSCL1	SLC25A6
GMFG.12	2.27E-15	-1.12809	0.055	0.302	3.39E-11	CSCL1	GMFG
CCDC124.5	2.37E-15	0.170149	0.891	0.463	3.54E-11	CSCL1	CCDC124
SYT11.12	2.41E-15	0.16488	0.821	0.376	3.61E-11	CSCL1	SYT11
CYB5R3.7	2.45E-15	0.106616	0.761	0.354	3.67E-11	CSCL1	CYB5R3
RRAGD.5	2.48E-15	0.123747	0.338	0.126	3.71E-11	CSCL1	RRAGD
NFIA.10	2.59E-15	0.124357	0.796	0.372	3.87E-11	CSCL1	NFIA
GPR34.12	2.78E-15	-1.10348	0.025	0.271	4.16E-11	CSCL1	GPR34
EPS8L1.2	2.81E-15	0.115465	0.164	0.044	4.20E-11	CSCL1	EPS8L1
PTMA.9	2.93E-15	-0.3477	1	0.966	4.38E-11	CSCL1	PTMA

C17orf10C	2.94E-15	0.115879	0.259	0.087	4.39E-11	CSCL1	C17orf100
HAX1.3	3.01E-15	0.116825	0.876	0.439	4.49E-11	CSCL1	HAX1
CTC-524C5	3.06E-15	0.108847	0.313	0.114	4.57E-11	CSCL1	CTC-524C5.2
INSM1.11	3.18E-15	0.111519	0.313	0.113	4.76E-11	CSCL1	INSM1
NME4.9	3.34E-15	0.149478	0.821	0.374	4.99E-11	CSCL1	NME4
PTP4A1.6	3.85E-15	0.128515	0.856	0.399	5.75E-11	CSCL1	PTP4A1
MAP3K4.2	4.15E-15	0.102292	0.259	0.088	6.21E-11	CSCL1	MAP3K4
TMEM259.6	4.19E-15	0.137184	0.716	0.329	6.26E-11	CSCL1	TMEM259
GAD1.11	4.26E-15	0.13309	0.303	0.11	6.37E-11	CSCL1	GAD1
FCGR2A.12	4.65E-15	-1.10567	0.05	0.293	6.95E-11	CSCL1	FCGR2A
HNRNPA3.5	4.68E-15	0.1957	0.955	0.547	6.99E-11	CSCL1	HNRNPA3
COPS5.5	4.72E-15	0.1019	0.836	0.403	7.06E-11	CSCL1	COPS5
FCGR1A.12	4.84E-15	-1.07895	0.02	0.263	7.23E-11	CSCL1	FCGR1A
NSFL1C.5	4.87E-15	0.13119	0.816	0.395	7.28E-11	CSCL1	NSFL1C
FGFRL1.4	5.39E-15	0.11149	0.184	0.053	8.05E-11	CSCL1	FGFRL1
APOE.10	5.77E-15	-0.68904	0.687	0.686	8.62E-11	CSCL1	APOE
METTL9.11	5.97E-15	0.214114	0.92	0.46	8.92E-11	CSCL1	METTL9
MIER2.2	6.29E-15	0.107776	0.294	0.105	9.41E-11	CSCL1	MIER2
ALDH4A1.2	6.57E-15	0.119749	0.174	0.049	9.82E-11	CSCL1	ALDH4A1
XRN2.6	7.12E-15	0.169472	0.896	0.45	1.06E-10	CSCL1	XRN2
FEZ1.11	7.24E-15	0.15366	0.91	0.421	1.08E-10	CSCL1	FEZ1
GGNBP2.4	7.79E-15	0.114451	0.816	0.383	1.16E-10	CSCL1	GGNBP2
CIRBP.8	8.38E-15	-0.31642	1	0.863	1.25E-10	CSCL1	CIRBP
ARL4C.10	8.92E-15	0.202214	0.741	0.372	1.33E-10	CSCL1	ARL4C
CD163.12	8.99E-15	-1.09532	0.04	0.28	1.34E-10	CSCL1	CD163
TMUB1.5	9.24E-15	0.10135	0.592	0.261	1.38E-10	CSCL1	TMUB1
PIGT.5	9.86E-15	0.119322	0.821	0.39	1.47E-10	CSCL1	PIGT
SDF2L1.8	9.87E-15	0.112544	0.756	0.353	1.47E-10	CSCL1	SDF2L1
TPGS1.6	1.00E-14	0.107384	0.677	0.303	1.50E-10	CSCL1	TPGS1
PHF14.10	1.03E-14	0.113117	0.891	0.414	1.54E-10	CSCL1	PHF14
CLTC.7	1.08E-14	0.148221	0.731	0.342	1.62E-10	CSCL1	CLTC
ZBTB20.1C	1.21E-14	0.147066	0.791	0.378	1.81E-10	CSCL1	ZBTB20
GATM.7	1.22E-14	0.133456	0.756	0.345	1.82E-10	CSCL1	GATM
MDFI.9	1.28E-14	0.133164	0.249	0.085	1.92E-10	CSCL1	MDFI
SPNS1.7	1.35E-14	0.101775	0.642	0.284	2.02E-10	CSCL1	SPNS1
NME1.10	1.41E-14	0.206903	0.975	0.561	2.11E-10	CSCL1	NME1
COMMD7.6	1.48E-14	0.161167	0.816	0.392	2.20E-10	CSCL1	COMMD7
HERPUD1.1	1.49E-14	-0.84951	0.667	0.642	2.22E-10	CSCL1	HERPUD1
SRPK2.8	1.99E-14	0.110264	0.851	0.403	2.97E-10	CSCL1	SRPK2
C3AR1.12	2.15E-14	-1.00271	0.01	0.242	3.21E-10	CSCL1	C3AR1
KPNB1.10	2.19E-14	0.193662	0.871	0.44	3.28E-10	CSCL1	KPNB1
LILRB4.12	2.22E-14	-1.03253	0.025	0.259	3.31E-10	CSCL1	LILRB4
GPSM3.12	2.23E-14	-1.00192	0.03	0.266	3.33E-10	CSCL1	GPSM3
AP1S2.10	2.33E-14	0.269991	0.92	0.493	3.49E-10	CSCL1	AP1S2
S100A4.12	2.40E-14	-1.15485	0.065	0.3	3.59E-10	CSCL1	S100A4
PAK2.5	2.56E-14	0.130668	0.736	0.345	3.83E-10	CSCL1	PAK2
NUTF2.4	2.86E-14	0.121467	0.896	0.442	4.27E-10	CSCL1	NUTF2
NPW.1	2.97E-14	0.103891	0.159	0.044	4.44E-10	CSCL1	NPW
TCEA1.7	3.10E-14	0.209958	0.925	0.477	4.64E-10	CSCL1	TCEA1
CTSB.9	3.24E-14	-0.62449	0.9	0.754	4.85E-10	CSCL1	CTSB
C16orf13.	3.41E-14	0.191419	0.891	0.452	5.10E-10	CSCL1	C16orf13



NLRP1.11	3.42E-14	0.105649	0.761	0.331	5.12E-10	CSCL1	NLRP1
RAB14.4	3.63E-14	0.110992	0.846	0.409	5.43E-10	CSCL1	RAB14
ATP6VOB.9	3.67E-14	-0.36602	0.97	0.795	5.49E-10	CSCL1	ATP6VOB
RIMKLA.4	4.05E-14	0.109113	0.174	0.05	6.06E-10	CSCL1	RIMKLA
CYC1.10	4.08E-14	0.238154	0.96	0.532	6.10E-10	CSCL1	CYC1
HNRNPU.7	4.18E-14	0.222667	0.97	0.522	6.24E-10	CSCL1	HNRNPU
SNF8.9	4.26E-14	0.187535	0.905	0.452	6.37E-10	CSCL1	SNF8
SAMSN1.12	4.28E-14	-0.99869	0.025	0.256	6.40E-10	CSCL1	SAMSN1
PTN.10	4.37E-14	0.156654	0.975	0.61	6.53E-10	CSCL1	PTN
UQCRC1.6	4.37E-14	0.142068	0.945	0.48	6.53E-10	CSCL1	UQCRC1
TCP1.8	4.71E-14	0.175723	0.975	0.515	7.04E-10	CSCL1	TCP1
PCDH1.7	4.94E-14	0.102677	0.189	0.057	7.38E-10	CSCL1	PCDH1
ANAPC11.7	5.01E-14	0.125471	1	0.722	7.49E-10	CSCL1	ANAPC11
MSX1.9	5.57E-14	0.105517	0.199	0.062	8.33E-10	CSCL1	MSX1
NRIP1.6	6.04E-14	0.10396	0.313	0.119	9.03E-10	CSCL1	NRIP1
ITGAV.8	6.05E-14	0.103079	0.607	0.273	9.04E-10	CSCL1	ITGAV
LYPLA1.7	6.89E-14	0.106559	0.851	0.399	1.03E-09	CSCL1	LYPLA1
GADD45GIP1	7.06E-14	0.266747	0.935	0.557	1.06E-09	CSCL1	GADD45GIP1
PARP1.7	7.74E-14	0.199661	0.896	0.464	1.16E-09	CSCL1	PARP1
UQCRFS1.7	8.87E-14	0.246709	0.97	0.537	1.32E-09	CSCL1	UQCRFS1
GKAP1.8	8.88E-14	0.106615	0.249	0.087	1.33E-09	CSCL1	GKAP1
TMSB10.9	9.04E-14	-0.36304	1	0.964	1.35E-09	CSCL1	TMSB10
CD68.12	9.28E-14	-1.20503	0.279	0.444	1.39E-09	CSCL1	CD68
DIRAS2.9	9.45E-14	0.145256	0.194	0.061	1.41E-09	CSCL1	DIRAS2
NENF.7	9.70E-14	0.22369	0.935	0.486	1.45E-09	CSCL1	NENF
CSF1R.12	9.90E-14	-1.01379	0.045	0.272	1.48E-09	CSCL1	CSF1R
IDS.5	1.02E-13	0.160889	0.711	0.363	1.53E-09	CSCL1	IDS
PPP1R14C.1	1.08E-13	0.108279	0.189	0.058	1.62E-09	CSCL1	PPP1R14C
RNF187.9	1.10E-13	0.126839	0.801	0.37	1.64E-09	CSCL1	RNF187
SH3BGRL3.1	1.11E-13	-0.48682	0.886	0.775	1.67E-09	CSCL1	SH3BGRL3
OLR1.12	1.24E-13	-1.00866	0.03	0.254	1.86E-09	CSCL1	OLR1
FTH1.8	1.31E-13	-0.20858	1	0.931	1.96E-09	CSCL1	FTH1
ZNF207.3	1.43E-13	0.128645	0.881	0.448	2.14E-09	CSCL1	ZNF207
RP11-849I1	1.46E-13	0.100018	0.328	0.128	2.18E-09	CSCL1	RP11-849I19.1
CACYBP.6	1.53E-13	0.146739	0.955	0.498	2.29E-09	CSCL1	CACYBP
PSMD2.7	1.58E-13	0.167565	0.891	0.454	2.37E-09	CSCL1	PSMD2
SNRPD1.5	1.66E-13	0.162889	0.975	0.556	2.49E-09	CSCL1	SNRPD1
TECR.8	1.74E-13	0.113714	0.94	0.536	2.60E-09	CSCL1	TECR
HAVCR2.12	1.77E-13	-0.95742	0.015	0.235	2.65E-09	CSCL1	HAVCR2
KRT10.8	1.82E-13	0.250903	0.95	0.551	2.72E-09	CSCL1	KRT10
GNAS.11	1.86E-13	0.210924	0.97	0.642	2.78E-09	CSCL1	GNAS
BAD.7	1.94E-13	0.123731	0.836	0.41	2.90E-09	CSCL1	BAD
PIGP.3	2.12E-13	-0.11086	0.527	0.225	3.17E-09	CSCL1	PIGP
PGRMC1.9	2.16E-13	0.165816	0.876	0.44	3.23E-09	CSCL1	PGRMC1
HMG3.7	2.32E-13	0.15306	0.98	0.602	3.46E-09	CSCL1	HMG3
IL13RA2.9	2.38E-13	0.200577	0.174	0.053	3.56E-09	CSCL1	IL13RA2
CTSS.12	2.45E-13	-1.10953	0.149	0.358	3.66E-09	CSCL1	CTSS
NCBP2.10	2.49E-13	0.115827	0.891	0.433	3.72E-09	CSCL1	NCBP2
ARPC3.10	2.58E-13	-0.39154	0.975	0.801	3.86E-09	CSCL1	ARPC3
GPBP1.6	2.60E-13	0.118474	0.896	0.441	3.89E-09	CSCL1	GPBP1
LHFPL3.12	2.62E-13	0.166672	0.299	0.116	3.92E-09	CSCL1	LHFPL3

LNP1. 3	2. 97E-13	0. 102538	0. 119	0. 029	4. 44E-09	CSCL1	LNP1
ADORA3. 12	2. 98E-13	-1. 02199	0. 045	0. 264	4. 45E-09	CSCL1	ADORA3
PDCD5. 9	2. 98E-13	0. 105141	0. 965	0. 532	4. 46E-09	CSCL1	PDCD5
ASNA1. 8	3. 55E-13	0. 142633	0. 955	0. 512	5. 30E-09	CSCL1	ASNA1
PRPF40A. 7	3. 55E-13	0. 144448	0. 881	0. 443	5. 31E-09	CSCL1	PRPF40A
PYURF. 8	3. 87E-13	0. 23198	0. 97	0. 533	5. 79E-09	CSCL1	PYURF
CBX3. 9	3. 90E-13	0. 217677	0. 99	0. 546	5. 83E-09	CSCL1	CBX3
SNRPG. 6	5. 50E-13	0. 154923	0. 99	0. 633	8. 22E-09	CSCL1	SNRPG
PPDPF. 8	6. 63E-13	0. 19907	0. 98	0. 706	9. 90E-09	CSCL1	PPDPF
THRAP3. 9	8. 41E-13	0. 137888	0. 876	0. 43	1. 26E-08	CSCL1	THRAP3
BEX4. 10	8. 71E-13	-0. 79792	0. 303	0. 48	1. 30E-08	CSCL1	BEX4
SDF4. 5	8. 79E-13	0. 196166	0. 821	0. 396	1. 31E-08	CSCL1	SDF4
MARCKSL1. 1	1. 02E-12	0. 243583	0. 965	0. 537	1. 52E-08	CSCL1	MARCKSL1
MMP24-AS1	1. 04E-12	0. 100914	0. 677	0. 305	1. 56E-08	CSCL1	MMP24-AS1
PLAUR. 12	1. 11E-12	-1. 08362	0. 169	0. 37	1. 66E-08	CSCL1	PLAUR
HILPDA. 1C	1. 15E-12	-0. 13489	0. 502	0. 222	1. 72E-08	CSCL1	HILPDA
CD86. 12	1. 19E-12	-0. 91285	0. 01	0. 217	1. 78E-08	CSCL1	CD86
RAD23B. 6	1. 20E-12	0. 115585	0. 766	0. 373	1. 79E-08	CSCL1	RAD23B
SNRPC. 3	1. 36E-12	0. 107825	0. 935	0. 505	2. 03E-08	CSCL1	SNRPC
PLIN2. 10	1. 39E-12	-1. 04185	0. 134	0. 346	2. 07E-08	CSCL1	PLIN2
DST. 10	1. 43E-12	0. 167109	0. 756	0. 37	2. 14E-08	CSCL1	DST
NDUFAF3. 5	1. 81E-12	0. 114373	0. 95	0. 51	2. 71E-08	CSCL1	NDUFAF3
HNRNPH1. 6	1. 82E-12	0. 135706	0. 866	0. 449	2. 72E-08	CSCL1	HNRNPH1
SERPINB1. 1	1. 88E-12	-0. 96388	0. 06	0. 27	2. 82E-08	CSCL1	SERPINB1
H3F3B. 8	2. 01E-12	-0. 3008	1	0. 97	3. 00E-08	CSCL1	H3F3B
ACTB. 9	2. 01E-12	-0. 31731	1	0. 992	3. 01E-08	CSCL1	ACTB
SPI1. 12	2. 14E-12	-0. 87935	0. 035	0. 242	3. 20E-08	CSCL1	SPI1
MAFB. 10	2. 31E-12	-0. 8506	0. 109	0. 318	3. 45E-08	CSCL1	MAFB
LAGE3. 5	2. 46E-12	0. 109392	0. 816	0. 391	3. 67E-08	CSCL1	LAGE3
BST2. 11	3. 01E-12	-0. 92662	0. 323	0. 489	4. 49E-08	CSCL1	BST2
MAP1LC3A. 3	3. 06E-12	0. 137201	0. 776	0. 358	4. 58E-08	CSCL1	MAP1LC3A
C5AR1. 11	3. 09E-12	-0. 93333	0. 035	0. 241	4. 62E-08	CSCL1	C5AR1
RGS10. 12	3. 57E-12	-1. 14679	0. 154	0. 345	5. 34E-08	CSCL1	RGS10
TBXAS1. 12	4. 10E-12	-0. 9339	0. 04	0. 245	6. 12E-08	CSCL1	TBXAS1
TMEM176B. 4	4. 36E-12	-1. 12138	0. 164	0. 355	6. 51E-08	CSCL1	TMEM176B
BTF3. 5	4. 36E-12	-0. 318	1	0. 896	6. 52E-08	CSCL1	BTF3
PPP2CA. 6	4. 55E-12	0. 154331	0. 905	0. 472	6. 80E-08	CSCL1	PPP2CA
TAF9. 6	4. 59E-12	0. 124052	0. 93	0. 492	6. 86E-08	CSCL1	TAF9
F12. 9	4. 76E-12	0. 102746	0. 214	0. 075	7. 12E-08	CSCL1	F12
IFITM2. 12	4. 79E-12	-0. 9527	0. 08	0. 286	7. 16E-08	CSCL1	IFITM2
MORF4L2. 7	5. 87E-12	0. 167429	0. 985	0. 619	8. 77E-08	CSCL1	MORF4L2
DDRGK1. 5	6. 57E-12	0. 125904	0. 816	0. 411	9. 82E-08	CSCL1	DDRGK1
CSF2RA. 11	6. 82E-12	-0. 87961	0. 01	0. 206	1. 02E-07	CSCL1	CSF2RA
EVI2B. 12	6. 95E-12	-0. 84872	0. 01	0. 206	1. 04E-07	CSCL1	EVI2B
CFL1. 7	7. 05E-12	-0. 26804	1	0. 949	1. 05E-07	CSCL1	CFL1
PGAM1. 8	7. 27E-12	0. 139794	0. 881	0. 495	1. 09E-07	CSCL1	PGAM1
SLA. 12	7. 42E-12	-0. 82331	0. 01	0. 205	1. 11E-07	CSCL1	SLA
ENSA. 8	8. 64E-12	0. 109774	0. 905	0. 493	1. 29E-07	CSCL1	ENSA
FIBP. 7	8. 68E-12	0. 110087	0. 905	0. 475	1. 30E-07	CSCL1	FIBP
ITM2B. 7	9. 06E-12	-0. 2163	0. 98	0. 796	1. 35E-07	CSCL1	ITM2B
SET. 8	9. 17E-12	0. 212897	0. 94	0. 554	1. 37E-07	CSCL1	SET

LSM7. 9	9. 58E-12	0. 192618	0. 995	0. 624	1. 43E-07	CSCL1	LSM7
NDUFS6. 5	9. 99E-12	0. 144151	0. 985	0. 621	1. 49E-07	CSCL1	NDUFS6
PDAP1. 8	1. 20E-11	0. 144336	0. 99	0. 528	1. 80E-07	CSCL1	PDAP1
FYB. 12	1. 33E-11	-0. 85579	0. 03	0. 226	1. 99E-07	CSCL1	FYB
MTPN. 7	1. 39E-11	0. 12972	0. 856	0. 425	2. 07E-07	CSCL1	MTPN
MCHR1. 8	1. 45E-11	0. 100292	0. 174	0. 057	2. 16E-07	CSCL1	MCHR1
NPM1. 5	1. 52E-11	-0. 30714	1	0. 866	2. 28E-07	CSCL1	NPM1
MFF. 6	1. 53E-11	0. 100607	0. 93	0. 481	2. 29E-07	CSCL1	MFF
PLXDC2. 12	1. 64E-11	-0. 80992	0. 02	0. 212	2. 45E-07	CSCL1	PLXDC2
STUB1. 8	1. 64E-11	0. 184351	0. 891	0. 453	2. 46E-07	CSCL1	STUB1
NBEAL1. 8	1. 67E-11	-0. 80854	0. 756	0. 663	2. 50E-07	CSCL1	NBEAL1
NDUFC1. 6	1. 82E-11	0. 104179	0. 945	0. 545	2. 72E-07	CSCL1	NDUFC1
SERF2. 8	1. 84E-11	-0. 32089	1	0. 894	2. 75E-07	CSCL1	SERF2
SLCO2B1. 1	1. 89E-11	-0. 87013	0. 03	0. 224	2. 82E-07	CSCL1	SLCO2B1
APOC2. 11	1. 99E-11	-0. 99747	0. 005	0. 192	2. 97E-07	CSCL1	APOC2
CNPY1. 10	2. 11E-11	0. 139907	0. 209	0. 075	3. 15E-07	CSCL1	CNPY1
CCDC85B. 6	2. 13E-11	0. 132082	0. 841	0. 406	3. 18E-07	CSCL1	CCDC85B
FAM50A. 6	2. 24E-11	0. 115394	0. 736	0. 367	3. 34E-07	CSCL1	FAM50A
HLA-B. 9	2. 33E-11	-0. 4304	0. 95	0. 85	3. 48E-07	CSCL1	HLA-B
RAD23A. 6	2. 41E-11	0. 164523	0. 94	0. 56	3. 61E-07	CSCL1	RAD23A
ATP5G2. 5	2. 52E-11	-0. 29113	0. 995	0. 867	3. 76E-07	CSCL1	ATP5G2
UBE2D2. 8	2. 73E-11	0. 21075	0. 975	0. 581	4. 08E-07	CSCL1	UBE2D2
IL18. 12	2. 87E-11	-0. 8297	0. 01	0. 196	4. 30E-07	CSCL1	IL18
RNASET2. 1	2. 99E-11	-1. 03772	0. 393	0. 484	4. 47E-07	CSCL1	RNASET2
CYBB. 12	3. 47E-11	-0. 78209	0. 01	0. 195	5. 18E-07	CSCL1	CYBB
ARL6IP5. 6	4. 01E-11	-0. 62984	0. 756	0. 648	5. 99E-07	CSCL1	ARL6IP5
SCRG1. 10	4. 15E-11	0. 101111	0. 662	0. 34	6. 21E-07	CSCL1	SCRG1
SOD3. 5	4. 21E-11	0. 179245	0. 129	0. 038	6. 29E-07	CSCL1	SOD3
PTPRC. 12	4. 23E-11	-0. 80451	0. 02	0. 206	6. 33E-07	CSCL1	PTPRC
LAT2. 12	4. 38E-11	-0. 8176	0. 02	0. 206	6. 55E-07	CSCL1	LAT2
ABI3. 12	4. 77E-11	-0. 78231	0. 01	0. 193	7. 12E-07	CSCL1	ABI3
NKAIN3. 11	4. 84E-11	0. 105578	0. 294	0. 122	7. 23E-07	CSCL1	NKAIN3
PRKCDBP. 3	4. 92E-11	0. 107582	0. 114	0. 031	7. 36E-07	CSCL1	PRKCDBP
IFI30. 12	5. 18E-11	-0. 89836	0. 035	0. 222	7. 75E-07	CSCL1	IFI30
ID3. 10	5. 90E-11	-0. 1267	0. 542	0. 259	8. 81E-07	CSCL1	ID3
CA2. 10	6. 17E-11	-0. 16741	0. 488	0. 221	9. 22E-07	CSCL1	CA2
COX5B. 8	6. 37E-11	-0. 25542	0. 99	0. 846	9. 53E-07	CSCL1	COX5B
GDI1. 11	6. 70E-11	0. 119089	0. 92	0. 478	1. 00E-06	CSCL1	GDI1
PSMC5. 5	6. 92E-11	0. 128899	0. 95	0. 548	1. 03E-06	CSCL1	PSMC5
SNRPF. 7	7. 14E-11	0. 107751	0. 975	0. 539	1. 07E-06	CSCL1	SNRPF
TSC22D1. 1	7. 51E-11	0. 190005	0. 95	0. 504	1. 12E-06	CSCL1	TSC22D1
FXYD5. 12	7. 62E-11	-0. 96381	0. 164	0. 344	1. 14E-06	CSCL1	FXYD5
ZFAND2A. 9	8. 56E-11	-0. 1273	0. 592	0. 278	1. 28E-06	CSCL1	ZFAND2A
CD300A. 12	9. 66E-11	-0. 78571	0. 015	0. 195	1. 44E-06	CSCL1	CD300A
C1orf122. 1	1. 02E-10	0. 158346	0. 915	0. 481	1. 53E-06	CSCL1	C1orf122
GNB2L1. 8	1. 03E-10	-0. 29964	1	0. 941	1. 53E-06	CSCL1	GNB2L1
PYCARD. 12	1. 05E-10	-0. 93302	0. 104	0. 288	1. 57E-06	CSCL1	PYCARD
CORO1A. 12	1. 06E-10	-1. 03518	0. 219	0. 375	1. 59E-06	CSCL1	CORO1A
NT5E. 7	1. 07E-10	0. 104385	0. 174	0. 06	1. 60E-06	CSCL1	NT5E
MNDA. 12	1. 23E-10	-0. 76832	0. 005	0. 18	1. 84E-06	CSCL1	MNDA
CD83. 11	1. 26E-10	-0. 98126	0. 114	0. 298	1. 88E-06	CSCL1	CD83

EIF2S2.7	1.27E-10	0.120727	0.965	0.581	1.90E-06	CSCL1	EIF2S2
CTSH.12	1.30E-10	-0.9785	0.119	0.299	1.95E-06	CSCL1	CTSH
LGALS9.12	1.45E-10	-0.87893	0.06	0.243	2.17E-06	CSCL1	LGALS9
ZYX.11	1.45E-10	0.15076	0.726	0.396	2.17E-06	CSCL1	ZYX
ACADVL.7	1.49E-10	0.112423	0.876	0.443	2.23E-06	CSCL1	ACADVL
ZNF428.12	1.52E-10	0.242257	0.97	0.537	2.26E-06	CSCL1	ZNF428
RER1.9	1.53E-10	0.149625	0.891	0.49	2.29E-06	CSCL1	RER1
CTSD.10	1.58E-10	-0.7147	0.771	0.637	2.35E-06	CSCL1	CTSD
SKP1.9	1.87E-10	-0.30791	1	0.862	2.79E-06	CSCL1	SKP1
SPINT2.12	2.37E-10	-0.72848	0.04	0.22	3.54E-06	CSCL1	SPINT2
TGFBI.12	2.46E-10	-0.78677	0.03	0.208	3.67E-06	CSCL1	TGFBI
HLA-DQA2.2	5.7E-10	-0.96476	0.005	0.175	3.84E-06	CSCL1	HLA-DQA2
TYMP.12	2.60E-10	-0.90316	0.134	0.31	3.89E-06	CSCL1	TYMP
TSPAN3.1C	2.72E-10	0.117499	0.881	0.452	4.07E-06	CSCL1	TSPAN3
H2AFJ.12	2.77E-10	-0.12949	0.542	0.254	4.14E-06	CSCL1	H2AFJ
FCGR1B.11	3.39E-10	-0.78743	0	0.166	5.06E-06	CSCL1	FCGR1B
MARCKS.9	3.49E-10	0.247231	0.96	0.591	5.22E-06	CSCL1	MARCKS
ADRM1.3	3.56E-10	0.122555	0.94	0.502	5.33E-06	CSCL1	ADRM1
FLOT1.11	4.03E-10	0.139454	0.9	0.496	6.02E-06	CSCL1	FLOT1
SSR4.6	4.20E-10	-0.36305	0.975	0.759	6.28E-06	CSCL1	SSR4
PLEK.12	4.41E-10	-0.76466	0.01	0.178	6.58E-06	CSCL1	PLEK
DDX5.8	4.47E-10	-0.1938	0.995	0.814	6.68E-06	CSCL1	DDX5
CLEC7A.12	4.49E-10	-0.7181	0.01	0.178	6.72E-06	CSCL1	CLEC7A
HMOX1.12	4.95E-10	-0.98077	0.124	0.298	7.39E-06	CSCL1	HMOX1
SLC7A7.12	5.11E-10	-0.71525	0.01	0.177	7.63E-06	CSCL1	SLC7A7
HMOX2.7	5.25E-10	-0.14343	0.612	0.289	7.85E-06	CSCL1	HMOX2
SNRNP70.8	5.42E-10	0.132014	0.905	0.467	8.11E-06	CSCL1	SNRNP70
FAM26F.12	5.62E-10	-0.64584	0.005	0.17	8.39E-06	CSCL1	FAM26F
MDM2.6	5.88E-10	-0.14344	0.448	0.202	8.79E-06	CSCL1	MDM2
NECAP2.7	6.11E-10	-0.10439	0.597	0.286	9.13E-06	CSCL1	NECAP2
PSMA4.4	6.24E-10	0.113811	0.92	0.531	9.33E-06	CSCL1	PSMA4
SMS.6	6.39E-10	0.110183	0.945	0.566	9.55E-06	CSCL1	SMS
S100A11.1	6.55E-10	-0.69688	0.761	0.655	9.80E-06	CSCL1	S100A11
LAIR1.12	6.98E-10	-0.86011	0.06	0.234	1.04E-05	CSCL1	LAIR1
GNB2.9	7.22E-10	0.208444	0.99	0.562	1.08E-05	CSCL1	GNB2
ADAP2.12	7.93E-10	-0.71956	0.02	0.187	1.18E-05	CSCL1	ADAP2
C7orf50.6	8.07E-10	0.141692	0.93	0.5	1.21E-05	CSCL1	C7orf50
SEPP1.8	1.08E-09	-1.08682	0.164	0.331	1.62E-05	CSCL1	SEPP1
CHMP4B.8	1.09E-09	0.170626	0.826	0.448	1.63E-05	CSCL1	CHMP4B
OST4.6	1.14E-09	-0.3034	0.975	0.777	1.70E-05	CSCL1	OST4
EIF6.4	1.15E-09	0.111222	0.925	0.514	1.72E-05	CSCL1	EIF6
CCT7.8	1.24E-09	0.112182	0.95	0.522	1.86E-05	CSCL1	CCT7
CCL4.11	1.30E-09	-1.00191	0.164	0.327	1.94E-05	CSCL1	CCL4
PLD4.12	1.37E-09	-0.70132	0	0.156	2.05E-05	CSCL1	PLD4
NNMT.9	1.38E-09	-0.18853	0.343	0.155	2.06E-05	CSCL1	NNMT
MSR1.12	1.46E-09	-0.7465	0.02	0.183	2.18E-05	CSCL1	MSR1
CSF3R.11	1.53E-09	-0.68296	0	0.155	2.28E-05	CSCL1	CSF3R
SKAP2.9	1.58E-09	-0.66691	0.095	0.273	2.36E-05	CSCL1	SKAP2
ID2.9	1.66E-09	-0.63715	0.736	0.653	2.48E-05	CSCL1	ID2
U2AF1.5	1.70E-09	0.17584	0.98	0.625	2.54E-05	CSCL1	U2AF1
NR4A2.12	1.77E-09	-0.84614	0.085	0.254	2.65E-05	CSCL1	NR4A2

IRF8.12	1.90E-09	-0.65389	0.005	0.161	2.84E-05	CSCL1	IRF8
TM6SF1.12	1.94E-09	-0.71667	0.005	0.161	2.90E-05	CSCL1	TM6SF1
RNASE2.12	2.09E-09	-0.75149	0.005	0.16	3.13E-05	CSCL1	RNASE2
RHBDF2.12	2.11E-09	-0.6885	0.02	0.18	3.15E-05	CSCL1	RHBDF2
SNAP23.11	2.25E-09	-0.15609	0.507	0.24	3.36E-05	CSCL1	SNAP23
FCGBP.11	2.27E-09	-0.92693	0.065	0.232	3.39E-05	CSCL1	FCGBP
STX8.3	2.28E-09	-0.11023	0.716	0.354	3.40E-05	CSCL1	STX8
APBB1IP.1	2.40E-09	-0.62979	0.005	0.159	3.59E-05	CSCL1	APBB1IP
YWHAQ.10	2.81E-09	0.206625	0.995	0.637	4.20E-05	CSCL1	YWHAQ
PA2G4.3	3.06E-09	0.119426	0.93	0.532	4.57E-05	CSCL1	PA2G4
B2M.10	3.12E-09	-0.35984	1	0.97	4.66E-05	CSCL1	B2M
STAB1.11	3.22E-09	-0.71299	0.01	0.164	4.82E-05	CSCL1	STAB1
PARVG.12	3.29E-09	-0.66643	0.01	0.164	4.92E-05	CSCL1	PARVG
IER3.12	3.71E-09	-0.84075	0.08	0.244	5.55E-05	CSCL1	IER3
HCK.12	3.73E-09	-0.66744	0.015	0.17	5.57E-05	CSCL1	HCK
CSTB.10	4.21E-09	-0.458	0.891	0.686	6.29E-05	CSCL1	CSTB
UROD.7	4.24E-09	-0.10904	0.706	0.353	6.33E-05	CSCL1	UROD
HSP90AB1.	5.05E-09	-0.22344	0.985	0.818	7.54E-05	CSCL1	HSP90AB1
SNCA.12	5.15E-09	-0.66684	0	0.147	7.69E-05	CSCL1	SNCA
PILRA.11	5.30E-09	-0.72625	0.015	0.168	7.92E-05	CSCL1	PILRA
MYO1F.12	5.34E-09	-0.70209	0.03	0.186	7.98E-05	CSCL1	MYO1F
PPIB.6	6.04E-09	-0.40036	0.925	0.721	9.03E-05	CSCL1	PPIB
FGL2.12	6.17E-09	-0.72601	0.025	0.179	9.22E-05	CSCL1	FGL2
ZNF226.8	6.22E-09	-0.10176	0.418	0.2	9.29E-05	CSCL1	ZNF226
NR4A1.11	6.24E-09	-0.80749	0.114	0.276	9.33E-05	CSCL1	NR4A1
GIMAP4.12	6.41E-09	-0.68549	0.005	0.152	9.58E-05	CSCL1	GIMAP4
CETN2.9	6.76E-09	-0.10614	0.627	0.317	0.000101	CSCL1	CETN2
MBP.7	7.93E-09	-0.98352	0.08	0.241	0.000119	CSCL1	MBP
SF3B2.7	8.08E-09	0.117092	0.93	0.517	0.000121	CSCL1	SF3B2
CD4.12	8.21E-09	-0.62764	0.01	0.158	0.000123	CSCL1	CD4
EVI2A.11	8.22E-09	-0.79321	0.065	0.226	0.000123	CSCL1	EVI2A
ATP6V1G1.	8.28E-09	-0.30925	0.975	0.75	0.000124	CSCL1	ATP6V1G1
PTPN6.12	8.29E-09	-0.63479	0.015	0.164	0.000124	CSCL1	PTPN6
LTC4S.12	8.45E-09	-0.68019	0.02	0.171	0.000126	CSCL1	LTC4S
WDR61.3	9.35E-09	-0.10728	0.672	0.343	0.00014	CSCL1	WDR61
SIL1.8	9.50E-09	-0.13035	0.517	0.25	0.000142	CSCL1	SIL1
SLC25A26	1.00E-08	-0.11265	0.493	0.239	0.000149	CSCL1	SLC25A26
LMO1.10	1.14E-08	0.1648	0.184	0.073	0.00017	CSCL1	LMO1
IL10RA.12	1.14E-08	-0.5791	0	0.141	0.00017	CSCL1	IL10RA
EEF1D.9	1.17E-08	-0.31188	1	0.842	0.000176	CSCL1	EEF1D
MPHOSPH6.	1.18E-08	-0.1259	0.577	0.286	0.000176	CSCL1	MPHOSPH6
STXBP2.12	1.23E-08	-0.64241	0.025	0.175	0.000184	CSCL1	STXBP2
LYZ.12	1.33E-08	-0.8051	0.055	0.209	0.000199	CSCL1	LYZ
TCF4.12	1.33E-08	0.125418	0.945	0.516	0.000199	CSCL1	TCF4
NUDC.6	1.34E-08	0.101231	0.96	0.573	0.0002	CSCL1	NUDC
SCNM1.5	1.37E-08	-0.10886	0.667	0.334	0.000205	CSCL1	SCNM1
ASL.9	1.50E-08	-0.14326	0.363	0.167	0.000224	CSCL1	ASL
GADD45B.8	1.50E-08	-0.90281	0.423	0.492	0.000225	CSCL1	GADD45B
SCIN.12	1.54E-08	-0.72385	0.01	0.153	0.00023	CSCL1	SCIN
PHB.9	1.60E-08	0.114946	0.94	0.548	0.000239	CSCL1	PHB
PGLS.7	1.70E-08	0.151744	0.91	0.503	0.000253	CSCL1	PGLS

LCP1. 11	1. 89E-08	-0. 59544	0. 005	0. 144	0. 000282	CSCL1	LCP1
KTN1. 5	1. 98E-08	0. 171353	0. 91	0. 52	0. 000296	CSCL1	KTN1
CPM. 9	2. 01E-08	-0. 80935	0. 085	0. 237	0. 000301	CSCL1	CPM
HBB. 7	2. 04E-08	-0. 77573	0. 274	0. 401	0. 000304	CSCL1	HBB
TUBB. 10	2. 27E-08	0. 106134	1	0. 767	0. 000339	CSCL1	TUBB
SH3KBP1. 1	2. 34E-08	-0. 11733	0. 493	0. 237	0. 00035	CSCL1	SH3KBP1
ADAM28. 11	2. 35E-08	-0. 62423	0. 005	0. 144	0. 000351	CSCL1	ADAM28
ZFAND1. 2	2. 40E-08	-0. 10117	0. 368	0. 173	0. 000358	CSCL1	ZFAND1
HAMP. 12	2. 44E-08	-0. 8248	0. 02	0. 163	0. 000365	CSCL1	HAMP
SUCLG2. 8	2. 45E-08	-0. 104	0. 488	0. 241	0. 000366	CSCL1	SUCLG2
TBRG1. 3	2. 58E-08	-0. 11546	0. 488	0. 241	0. 000385	CSCL1	TBRG1
GYG1. 7	2. 58E-08	-0. 1356	0. 507	0. 25	0. 000386	CSCL1	GYG1
CBLN4. 12	2. 59E-08	0. 108739	0. 189	0. 077	0. 000387	CSCL1	CBLN4
HIST1H1C. 2	2. 61E-08	-0. 15384	0. 383	0. 185	0. 00039	CSCL1	HIST1H1C
DHRS4L2. 5	2. 69E-08	-0. 1268	0. 522	0. 257	0. 000401	CSCL1	DHRS4L2
SNRPE. 9	2. 69E-08	0. 105599	0. 97	0. 573	0. 000402	CSCL1	SNRPE
VPS26A. 8	2. 70E-08	-0. 1657	0. 498	0. 238	0. 000404	CSCL1	VPS26A
AURKAIP1. 2	2. 74E-08	0. 155135	0. 965	0. 6	0. 00041	CSCL1	AURKAIP1
C1QBP. 9	2. 98E-08	0. 197652	0. 94	0. 548	0. 000445	CSCL1	C1QBP
LSP1. 12	3. 00E-08	-0. 72289	0. 025	0. 168	0. 000448	CSCL1	LSP1
COX6B1. 5	3. 01E-08	-0. 2624	0. 985	0. 843	0. 00045	CSCL1	COX6B1
APIP. 9	3. 01E-08	-0. 12122	0. 468	0. 229	0. 00045	CSCL1	APIP
FERMT3. 12	3. 05E-08	-0. 62069	0. 025	0. 169	0. 000455	CSCL1	FERMT3
CD69. 9	3. 06E-08	-0. 74361	0. 015	0. 156	0. 000457	CSCL1	CD69
ALOX5. 12	3. 10E-08	-0. 57898	0. 005	0. 141	0. 000463	CSCL1	ALOX5
CLEC2B. 12	3. 13E-08	-0. 69816	0. 055	0. 207	0. 000467	CSCL1	CLEC2B
CTSC. 12	3. 21E-08	-0. 97462	0. 279	0. 386	0. 00048	CSCL1	CTSC
MATR3. 11	3. 21E-08	0. 110222	0. 881	0. 48	0. 00048	CSCL1	MATR3
ETS2. 12	3. 41E-08	-0. 65034	0. 06	0. 21	0. 00051	CSCL1	ETS2
RNF41. 4	3. 58E-08	-0. 11329	0. 353	0. 163	0. 000535	CSCL1	RNF41
ZNF706. 2	3. 74E-08	0. 10947	0. 935	0. 568	0. 000559	CSCL1	ZNF706
SLC2A5. 12	3. 80E-08	-0. 76891	0. 03	0. 173	0. 000568	CSCL1	SLC2A5
FCGR2B. 12	3. 89E-08	-0. 70856	0. 01	0. 146	0. 000581	CSCL1	FCGR2B
CUTC. 5	3. 96E-08	-0. 12821	0. 279	0. 123	0. 000591	CSCL1	CUTC
PCGF5. 7	4. 11E-08	-0. 105	0. 368	0. 176	0. 000615	CSCL1	PCGF5
FCGRT. 11	4. 19E-08	-0. 90276	0. 607	0. 549	0. 000626	CSCL1	FCGRT
CSTA. 12	4. 44E-08	-0. 53629	0	0. 131	0. 000663	CSCL1	CSTA
GLA. 11	4. 49E-08	-0. 16769	0. 443	0. 212	0. 000671	CSCL1	GLA
CHD2. 5	4. 90E-08	-0. 10541	0. 577	0. 287	0. 000733	CSCL1	CHD2
WAS. 12	4. 92E-08	-0. 67249	0. 035	0. 177	0. 000735	CSCL1	WAS
ARGLU1. 9	5. 03E-08	0. 108704	0. 881	0. 461	0. 000752	CSCL1	ARGLU1
PADI2. 10	5. 17E-08	-0. 5596	0. 005	0. 137	0. 000773	CSCL1	PADI2
PDK4. 11	5. 37E-08	-0. 6761	0. 03	0. 172	0. 000802	CSCL1	PDK4
THEMIS2. 1	5. 64E-08	-0. 79409	0. 1	0. 244	0. 000843	CSCL1	THEMIS2
CISD1. 9	5. 89E-08	-0. 1213	0. 662	0. 331	0. 000881	CSCL1	CISD1
AIP. 4	6. 18E-08	-0. 10537	0. 587	0. 299	0. 000924	CSCL1	AIP
S100A8. 12	6. 58E-08	-0. 88187	0. 045	0. 187	0. 000984	CSCL1	S100A8
FAM127B. 8	6. 88E-08	-0. 10029	0. 587	0. 295	0. 001028	CSCL1	FAM127B
IGSF6. 12	6. 91E-08	-0. 67279	0. 02	0. 156	0. 001033	CSCL1	IGSF6
PIK3IP1. 1	6. 94E-08	-0. 61513	0. 025	0. 163	0. 001038	CSCL1	PIK3IP1
COMMD6. 6	7. 33E-08	-0. 28832	0. 98	0. 773	0. 001096	CSCL1	COMMD6

TFPI. 6	7. 74E-08	0. 134942	0. 139	0. 052	0. 001157	CSCL1	TFPI
EIF4G2. 9	8. 33E-08	0. 161162	0. 99	0. 654	0. 001244	CSCL1	EIF4G2
PTGER4. 11	8. 38E-08	-0. 5301	0	0. 126	0. 001253	CSCL1	PTGER4
IRF2. 5	8. 40E-08	-0. 10785	0. 398	0. 195	0. 001255	CSCL1	IRF2
DNAJC15. 9	8. 54E-08	-0. 1313	0. 746	0. 384	0. 001276	CSCL1	DNAJC15
OSM. 11	8. 84E-08	-0. 69992	0. 015	0. 148	0. 00132	CSCL1	OSM
SPCS3. 10	9. 23E-08	-0. 13564	0. 632	0. 32	0. 001379	CSCL1	SPCS3
TNFRSF1B. 9	9. 44E-08	-0. 64561	0. 05	0. 191	0. 001411	CSCL1	TNFRSF1B
TMEM59. 5	1. 00E-07	-0. 34073	0. 975	0. 782	0. 0015	CSCL1	TMEM59
SERPINF1. 1	1. 05E-07	-0. 78214	0. 085	0. 227	0. 001573	CSCL1	SERPINF1
GUSB. 9	1. 11E-07	-0. 11703	0. 532	0. 268	0. 001658	CSCL1	GUSB
CALM1. 11	1. 12E-07	0. 109412	0. 995	0. 768	0. 001674	CSCL1	CALM1
MTCH1. 4	1. 15E-07	0. 15225	0. 955	0. 527	0. 001721	CSCL1	MTCH1
GTF3A. 7	1. 18E-07	0. 119163	0. 9	0. 498	0. 001758	CSCL1	GTF3A
DUSP23. 11	1. 18E-07	-0. 63591	0. 05	0. 19	0. 001759	CSCL1	DUSP23
BCL2A1. 12	1. 19E-07	-0. 61593	0. 025	0. 159	0. 001776	CSCL1	BCL2A1
FOSB. 9	1. 19E-07	-0. 78774	0. 294	0. 393	0. 001785	CSCL1	FOSB
CSRP1. 8	1. 21E-07	-0. 16344	0. 463	0. 234	0. 001807	CSCL1	CSRP1
DOCK8. 12	1. 24E-07	-0. 50948	0	0. 123	0. 001852	CSCL1	DOCK8
SIGLEC10. 1	1. 28E-07	-0. 63951	0. 03	0. 164	0. 00191	CSCL1	SIGLEC10
AGTRAP. 8	1. 30E-07	-0. 22389	0. 547	0. 277	0. 001938	CSCL1	AGTRAP
SRSF2. 10	1. 31E-07	0. 183225	0. 965	0. 599	0. 001964	CSCL1	SRSF2
ARHGEF2. 1	1. 36E-07	-0. 10125	0. 567	0. 284	0. 002026	CSCL1	ARHGEF2
TREM1. 11	1. 37E-07	-0. 73793	0. 03	0. 166	0. 002043	CSCL1	TREM1
RABIF. 4	1. 39E-07	-0. 101	0. 363	0. 178	0. 002071	CSCL1	RABIF
CFD. 11	1. 41E-07	-0. 62257	0. 025	0. 158	0. 002108	CSCL1	CFD
P4HB. 8	1. 44E-07	0. 168413	0. 95	0. 565	0. 002147	CSCL1	P4HB
RP11-552D. 1	1. 44E-07	-0. 64416	0	0. 122	0. 002149	CSCL1	RP11-552D4. 1
SRP9. 6	1. 57E-07	0. 101488	1	0. 675	0. 002351	CSCL1	SRP9
NDUFB2. 6	1. 64E-07	-0. 27346	0. 995	0. 805	0. 002455	CSCL1	NDUFB2
PPP1R10. 7	1. 65E-07	-0. 11818	0. 557	0. 283	0. 002467	CSCL1	PPP1R10
EIF4A2. 8	1. 65E-07	-0. 36769	0. 95	0. 715	0. 002468	CSCL1	EIF4A2
ARFGAP2. 6	1. 70E-07	-0. 10342	0. 567	0. 287	0. 002545	CSCL1	ARFGAP2
GPR65. 12	1. 78E-07	-0. 55575	0. 01	0. 136	0. 002664	CSCL1	GPR65
TGFB1. 11	1. 79E-07	-0. 1554	0. 488	0. 24	0. 002678	CSCL1	TGFB1
VMO1. 11	1. 80E-07	-0. 70481	0. 03	0. 162	0. 002684	CSCL1	VMO1
LINC00667	1. 82E-07	-0. 11164	0. 473	0. 24	0. 002723	CSCL1	LINC00667
BLVRA. 10	1. 83E-07	-0. 12407	0. 642	0. 334	0. 002741	CSCL1	BLVRA
TANK. 3	1. 86E-07	-0. 10187	0. 637	0. 326	0. 002774	CSCL1	TANK
DNTTIP2. 5	1. 87E-07	-0. 11501	0. 552	0. 282	0. 002799	CSCL1	DNTTIP2
SREK1IP1. 1	1. 92E-07	-0. 1397	0. 642	0. 333	0. 002868	CSCL1	SREK1IP1
NCF4. 12	2. 05E-07	-0. 63717	0. 02	0. 148	0. 003064	CSCL1	NCF4
FOLR2. 12	2. 23E-07	-0. 85321	0. 045	0. 18	0. 003325	CSCL1	FOLR2
CTSZ. 12	2. 39E-07	-0. 76808	0. 124	0. 258	0. 00357	CSCL1	CTSZ
DNAJB12. 9	2. 39E-07	-0. 13022	0. 308	0. 145	0. 003576	CSCL1	DNAJB12
IL10RB. 12	2. 45E-07	-0. 17654	0. 478	0. 239	0. 003664	CSCL1	IL10RB
PCBD1. 5	2. 56E-07	-0. 11365	0. 632	0. 325	0. 003831	CSCL1	PCBD1
SRRM2. 7	2. 59E-07	0. 132908	0. 91	0. 526	0. 003876	CSCL1	SRRM2
AOAH. 11	2. 60E-07	-0. 55567	0. 005	0. 125	0. 003893	CSCL1	AOAH
SLC43A2. 1	2. 64E-07	-0. 12961	0. 483	0. 241	0. 003948	CSCL1	SLC43A2
PSMB9. 10	2. 76E-07	-0. 13735	0. 746	0. 399	0. 004122	CSCL1	PSMB9

C14orf119	2.94E-07	-0.11915	0.587	0.308	0.004392	CSCL1	C14orf119
CFLAR.8	2.94E-07	-0.2009	0.617	0.313	0.004398	CSCL1	CFLAR
RNF113A.1	3.07E-07	-0.11831	0.289	0.134	0.004593	CSCL1	RNF113A
NCKAP1L.1	3.08E-07	-0.51954	0.005	0.124	0.004607	CSCL1	NCKAP1L
DAB2.11	3.09E-07	-0.59266	0.025	0.152	0.004613	CSCL1	DAB2
FAM105A.1	3.15E-07	-0.6081	0.035	0.165	0.004704	CSCL1	FAM105A
LETMD1.2	3.22E-07	-0.11918	0.328	0.158	0.004809	CSCL1	LETMD1
CCS.4	3.23E-07	-0.14937	0.502	0.256	0.004823	CSCL1	CCS
IL1B.11	3.46E-07	-0.81853	0.09	0.224	0.005172	CSCL1	IL1B
PARVB.11	3.53E-07	-0.10425	0.333	0.161	0.005278	CSCL1	PARVB
PDE4B.7	3.75E-07	-0.14403	0.532	0.272	0.005599	CSCL1	PDE4B
GNPMB.11	3.75E-07	-0.78338	0.07	0.203	0.005606	CSCL1	GNPMB
PMPCB.7	3.80E-07	-0.1183	0.637	0.338	0.005675	CSCL1	PMPCB
SNX9.9	3.91E-07	-0.10418	0.378	0.186	0.005841	CSCL1	SNX9
CD33.12	3.98E-07	-0.54858	0.005	0.122	0.005943	CSCL1	CD33
FGFR10P2.4	4.01E-07	-0.10027	0.582	0.313	0.005995	CSCL1	FGFR10P2
DIRAS3.9	4.09E-07	-0.20908	0.259	0.121	0.006112	CSCL1	DIRAS3
QARS.9	4.13E-07	-0.15491	0.547	0.277	0.006173	CSCL1	QARS
MAP3K8.12	4.20E-07	-0.67571	0.055	0.186	0.006281	CSCL1	MAP3K8
SCFD1.5	4.30E-07	-0.12859	0.483	0.248	0.006433	CSCL1	SCFD1
TLR2.12	4.58E-07	-0.50284	0	0.113	0.006845	CSCL1	TLR2
TMEM173.1	4.61E-07	-0.53785	0.01	0.128	0.006888	CSCL1	TMEM173
C1R.12	4.80E-07	-0.42533	0.418	0.212	0.00717	CSCL1	C1R
NUBP1.8	5.10E-07	-0.15128	0.423	0.214	0.007615	CSCL1	NUBP1
PTAFR.12	5.35E-07	-0.52382	0.01	0.127	0.007988	CSCL1	PTAFR
NEMF.2	5.38E-07	-0.10313	0.627	0.322	0.008039	CSCL1	NEMF
PHACTR1.1	5.44E-07	-0.54176	0.005	0.12	0.008128	CSCL1	PHACTR1
PRELID1.6	5.53E-07	0.163029	0.925	0.553	0.008261	CSCL1	PRELID1
F13A1.9	5.58E-07	-0.78494	0.035	0.161	0.00834	CSCL1	F13A1
COLGALT1.5	5.83E-07	-0.10366	0.378	0.189	0.008712	CSCL1	COLGALT1
ANXA1.9	5.93E-07	-0.80452	0.303	0.412	0.008869	CSCL1	ANXA1
CYB561D2.6	6.08E-07	-0.15676	0.438	0.222	0.009079	CSCL1	CYB561D2
ASAH1.10	6.29E-07	-0.5771	0.856	0.648	0.009404	CSCL1	ASAH1
MLXIP.4	6.41E-07	-0.11587	0.363	0.18	0.009584	CSCL1	MLXIP
LASP1.7	6.43E-07	-0.10545	0.408	0.206	0.009613	CSCL1	LASP1
HMHA1.12	6.49E-07	-0.45895	0	0.11	0.009702	CSCL1	HMHA1
AP2A2.10	6.50E-07	-0.1154	0.488	0.248	0.009719	CSCL1	AP2A2
SRSF5.3	6.55E-07	-0.36025	0.92	0.69	0.00979	CSCL1	SRSF5
KDEL2.5	6.60E-07	0.135744	0.965	0.562	0.009858	CSCL1	KDEL2
ARHGAP4.1	7.04E-07	-0.46149	0.005	0.118	0.01052	CSCL1	ARHGAP4
ENTPD1.12	7.23E-07	-0.63285	0.04	0.164	0.0108	CSCL1	ENTPD1
MESDC2.6	7.62E-07	-0.1337	0.756	0.398	0.011386	CSCL1	MESDC2
LCP2.12	7.94E-07	-0.47529	0.005	0.117	0.011867	CSCL1	LCP2
UQCR11.7	8.51E-07	-1.12719	0.005	0.117	0.012722	CSCL1	UQCR11
HSPA8.7	8.61E-07	-0.23203	1	0.863	0.012863	CSCL1	HSPA8
IL10.12	8.79E-07	-0.54869	0	0.108	0.013128	CSCL1	IL10
HSD17B11.8	8.89E-07	-0.1523	0.697	0.371	0.013285	CSCL1	HSD17B11
SYK.12	9.08E-07	-0.43836	0	0.108	0.013576	CSCL1	SYK
COMMD8.1C	9.24E-07	-0.15617	0.433	0.221	0.013812	CSCL1	COMMD8
CD58.12	9.28E-07	-0.18949	0.438	0.224	0.01387	CSCL1	CD58
NFKBIA.11	9.49E-07	-0.73639	0.512	0.5	0.014175	CSCL1	NFKBIA



BHLHE40.9	9.54E-07	-0.14779	0.378	0.19	0.01425	CSCL1	BHLHE40
LINC01094	1.00E-06	-0.63051	0.035	0.156	0.014955	CSCL1	LINC01094
EPB41L3.1	1.00E-06	-0.44004	0	0.107	0.015012	CSCL1	EPB41L3
ATM.7	1.01E-06	-0.12351	0.368	0.186	0.015021	CSCL1	ATM
IDH3G.6	1.09E-06	-0.11856	0.751	0.397	0.016262	CSCL1	IDH3G
NDUFA4.8	1.16E-06	-0.23444	1	0.893	0.01732	CSCL1	NDUFA4
JUNB.7	1.20E-06	-0.35375	0.886	0.721	0.017877	CSCL1	JUNB
MFNG.11	1.21E-06	-0.4812	0.015	0.129	0.018019	CSCL1	MFNG
LPAR5.10	1.23E-06	-0.44587	0	0.105	0.018349	CSCL1	LPAR5
GSDMD.11	1.24E-06	-0.20423	0.368	0.182	0.018553	CSCL1	GSDMD
PLA2G5.1C	1.26E-06	-0.1422	0.229	0.107	0.018796	CSCL1	PLA2G5
VAMP3.8	1.29E-06	-0.11812	0.642	0.343	0.019261	CSCL1	VAMP3
CH25H.8	1.30E-06	-0.73645	0.03	0.149	0.019423	CSCL1	CH25H
SCAND1.9	1.33E-06	0.157216	0.935	0.564	0.019902	CSCL1	SCAND1
PRDX1.9	1.35E-06	-0.27855	0.99	0.805	0.020227	CSCL1	PRDX1
CD46.3	1.36E-06	-0.12541	0.443	0.23	0.020309	CSCL1	CD46
TMEM14A.8	1.42E-06	-0.13851	0.607	0.319	0.021221	CSCL1	TMEM14A
LYPLAL1.2	1.43E-06	-0.14464	0.448	0.233	0.021369	CSCL1	LYPLAL1
AXL.11	1.43E-06	-0.68588	0.06	0.183	0.021378	CSCL1	AXL
JTB.5	1.44E-06	0.14194	0.99	0.603	0.02157	CSCL1	JTB
CD55.11	1.45E-06	-0.49684	0.01	0.12	0.021646	CSCL1	CD55
RNASE1.9	1.47E-06	-0.9066	0.05	0.171	0.021921	CSCL1	RNASE1
GLIPR2.1C	1.47E-06	-0.10742	0.498	0.265	0.021923	CSCL1	GLIPR2
STEAP3.8	1.51E-06	-0.10769	0.318	0.159	0.022511	CSCL1	STEAP3
MEIS2.10	1.51E-06	-0.15603	0.393	0.2	0.022522	CSCL1	MEIS2
TMEM176A.1	1.57E-06	-0.74623	0.104	0.229	0.023522	CSCL1	TMEM176A
PHYKPL.4	1.64E-06	-0.1139	0.393	0.199	0.024447	CSCL1	PHYKPL
CX3CR1.11	1.68E-06	-0.49508	0	0.103	0.025047	CSCL1	CX3CR1
FBP1.12	1.69E-06	-0.46022	0.01	0.119	0.025278	CSCL1	FBP1
EMC3.2	1.70E-06	-0.10491	0.841	0.443	0.025426	CSCL1	EMC3
NCF1.12	1.76E-06	-0.48455	0.015	0.125	0.026356	CSCL1	NCF1
ABCG1.9	1.80E-06	-0.42742	0.02	0.133	0.026866	CSCL1	ABCG1
INSIG2.4	1.90E-06	-0.15189	0.388	0.199	0.028426	CSCL1	INSIG2
ARHGAP18.1	1.94E-06	-0.61726	0.055	0.174	0.029063	CSCL1	ARHGAP18
CD84.12	2.06E-06	-0.52329	0.02	0.131	0.030714	CSCL1	CD84
ARHGAP24.2	2.20E-06	-0.60732	0.035	0.15	0.032901	CSCL1	ARHGAP24
TSC22D3.1	2.23E-06	-0.76446	0.428	0.457	0.033336	CSCL1	TSC22D3
SELPLG.1C	2.31E-06	-0.55996	0.015	0.123	0.034486	CSCL1	SELPLG
MITD1.4	2.42E-06	-0.12569	0.438	0.231	0.036102	CSCL1	MITD1
ZC3HAV1.7	2.60E-06	-0.11504	0.343	0.174	0.038909	CSCL1	ZC3HAV1
SERPINB9.2	2.62E-06	-0.58214	0.035	0.148	0.039196	CSCL1	SERPINB9
OLFML3.11	2.67E-06	-0.78906	0.109	0.229	0.039872	CSCL1	OLFML3
PABPC1.9	2.72E-06	-0.30453	0.95	0.741	0.040638	CSCL1	PABPC1
ELL2.10	2.75E-06	-0.59543	0.075	0.195	0.041066	CSCL1	ELL2
SEPT2.5	2.76E-06	0.109934	0.975	0.574	0.041171	CSCL1	2-Sep
HLA-DQB2.2	2.82E-06	-0.63476	0	0.099	0.042119	CSCL1	HLA-DQB2
NDEL1.6	2.83E-06	-0.11503	0.303	0.151	0.042328	CSCL1	NDEL1
BIN2.11	2.95E-06	-0.47267	0.01	0.114	0.044034	CSCL1	BIN2
RCSD1.11	2.95E-06	-0.50482	0.015	0.122	0.044098	CSCL1	RCSD1
COQ10B.5	2.96E-06	-0.1265	0.488	0.259	0.044229	CSCL1	COQ10B
S100A9.12	3.02E-06	-0.95712	0.109	0.226	0.045072	CSCL1	S100A9

PIP4K2A. 8	3. 03E-06	-0. 10422	0. 274	0. 135	0. 045294	CSCL1	PIP4K2A
APLP2. 10	3. 04E-06	0. 133362	0. 96	0. 586	0. 045416	CSCL1	APLP2
CYTH4. 12	3. 06E-06	-0. 4773	0. 01	0. 114	0. 045694	CSCL1	CYTH4
GABARAP. 9	3. 08E-06	-0. 81318	0. 443	0. 461	0. 04601	CSCL1	GABARAP
YIPF5. 5	3. 15E-06	-0. 1054	0. 478	0. 258	0. 047043	CSCL1	YIPF5
PGK1. 8	3. 16E-06	-0. 39231	0. 96	0. 75	0. 047269	CSCL1	PGK1
NR4A3. 11	3. 38E-06	-0. 60435	0. 04	0. 153	0. 050453	CSCL1	NR4A3
RAB4B. 6	3. 40E-06	-0. 14988	0. 493	0. 259	0. 050882	CSCL1	RAB4B
PNPLA8. 8	3. 42E-06	-0. 12083	0. 642	0. 342	0. 051131	CSCL1	PNPLA8
EEF1A1. 1C	3. 44E-06	-0. 3288	0. 93	0. 824	0. 051386	CSCL1	EEF1A1
TMC6. 12	3. 50E-06	-0. 43349	0. 01	0. 113	0. 052313	CSCL1	TMC6
UCHL3. 7	3. 50E-06	-0. 15126	0. 458	0. 244	0. 052334	CSCL1	UCHL3
LIPA. 10	3. 55E-06	-0. 7668	0. 244	0. 336	0. 053106	CSCL1	LIPA
SLC35E3. 1	3. 65E-06	-0. 22263	0. 363	0. 184	0. 054577	CSCL1	SLC35E3
DAD1. 5	3. 67E-06	-0. 3686	0. 955	0. 717	0. 05479	CSCL1	DAD1
RAC2. 12	3. 73E-06	-0. 49935	0. 015	0. 121	0. 055801	CSCL1	RAC2
DDX19B. 2	4. 01E-06	-0. 10313	0. 378	0. 199	0. 059977	CSCL1	DDX19B
CDKN2A. 6	4. 03E-06	-0. 44405	0. 005	0. 104	0. 060229	CSCL1	CDKN2A
ARHGAP30. 4	4. 10E-06	-0. 39477	0	0. 096	0. 061218	CSCL1	ARHGAP30
FMNL1. 12	4. 26E-06	-0. 47187	0. 02	0. 126	0. 063658	CSCL1	FMNL1
CRYZL1. 3	4. 32E-06	-0. 14759	0. 493	0. 264	0. 064509	CSCL1	CRYZL1
TSNAX. 3	4. 40E-06	-0. 14898	0. 582	0. 313	0. 065823	CSCL1	TSNAX
YWHAE. 10	4. 45E-06	0. 115611	1	0. 748	0. 066496	CSCL1	YWHAE
IFI35. 10	4. 80E-06	-0. 22711	0. 433	0. 228	0. 071799	CSCL1	IFI35
COMMD3. 5	4. 81E-06	-0. 16851	0. 657	0. 349	0. 07185	CSCL1	COMMD3
EIF3K. 9	4. 82E-06	-0. 34069	0. 96	0. 755	0. 072018	CSCL1	EIF3K
SNX6. 7	5. 08E-06	-0. 11411	0. 796	0. 423	0. 075941	CSCL1	SNX6
ATP5D. 11	5. 10E-06	0. 177786	0. 955	0. 608	0. 076161	CSCL1	ATP5D
DCK. 9	5. 12E-06	-0. 13536	0. 493	0. 262	0. 076504	CSCL1	DCK
SGK1. 12	5. 27E-06	-0. 83696	0. 408	0. 437	0. 078823	CSCL1	SGK1
ATP5L. 4	5. 53E-06	-0. 23779	0. 995	0. 857	0. 08257	CSCL1	ATP5L
COX5A. 8	5. 55E-06	0. 127259	0. 96	0. 592	0. 082969	CSCL1	COX5A
TPPP3. 10	5. 62E-06	-0. 1273	0. 294	0. 151	0. 08392	CSCL1	TPPP3
TSC22D2. 6	5. 70E-06	-0. 11701	0. 308	0. 154	0. 085146	CSCL1	TSC22D2
CLEC5A. 11	5. 88E-06	-0. 48672	0. 005	0. 101	0. 087879	CSCL1	CLEC5A
TRA2A. 6	6. 05E-06	-0. 13507	0. 632	0. 338	0. 090457	CSCL1	TRA2A
NFKBID. 1C	6. 20E-06	-0. 543	0. 035	0. 142	0. 092714	CSCL1	NFKBID
LRRFIP1. 1	6. 37E-06	-0. 1411	0. 652	0. 348	0. 095151	CSCL1	LRRFIP1
RASGEF1B. 6	6. 54E-06	-0. 48749	0. 02	0. 122	0. 097742	CSCL1	RASGEF1B
CLK4. 7	6. 71E-06	-0. 11797	0. 313	0. 16	0. 100274	CSCL1	CLK4
GNS. 9	6. 91E-06	-0. 13487	0. 378	0. 196	0. 103216	CSCL1	GNS
TMEM179B. 6	6. 92E-06	-0. 10725	0. 761	0. 407	0. 103448	CSCL1	TMEM179B
RNF144B. 1	7. 04E-06	-0. 45109	0. 005	0. 1	0. 10528	CSCL1	RNF144B
TCOF1. 8	7. 17E-06	-0. 19108	0. 373	0. 192	0. 107101	CSCL1	TCOF1
FABP5. 9	7. 33E-06	-0. 89947	0. 284	0. 394	0. 10961	CSCL1	FABP5
GIT2. 9	7. 53E-06	-0. 13339	0. 299	0. 15	0. 112498	CSCL1	GIT2
CARD16. 1C	7. 59E-06	-0. 60547	0. 109	0. 231	0. 113497	CSCL1	CARD16
CSNK1A1. 8	7. 78E-06	0. 144533	0. 935	0. 551	0. 11632	CSCL1	CSNK1A1
RP11-51J9	7. 92E-06	-0. 14602	0. 274	0. 138	0. 118317	CSCL1	RP11-51J9. 5
CPVL. 12	7. 98E-06	-0. 91513	0. 279	0. 35	0. 119301	CSCL1	CPVL
KIDINS22C	8. 12E-06	-0. 11046	0. 498	0. 265	0. 121399	CSCL1	KIDINS220

GLDN. 11	8. 48E-06	-0. 40619	0. 005	0. 098	0. 126722	CSCL1	GLDN
CMTM6. 12	8. 90E-06	-0. 15904	0. 791	0. 419	0. 133026	CSCL1	CMTM6
MSN. 11	9. 30E-06	-0. 14793	0. 701	0. 37	0. 139018	CSCL1	MSN
SC5D. 5	9. 50E-06	-0. 10505	0. 323	0. 171	0. 141943	CSCL1	SC5D
SDHD. 8	9. 57E-06	-0. 16995	0. 741	0. 39	0. 143037	CSCL1	SDHD
ISG15. 9	9. 65E-06	-0. 17153	0. 637	0. 352	0. 144217	CSCL1	ISG15
ZFHX3. 7	9. 87E-06	-0. 17066	0. 373	0. 192	0. 147556	CSCL1	ZFHX3
PAPD4. 3	1. 02E-05	-0. 10796	0. 338	0. 177	0. 152753	CSCL1	PAPD4
SUSD3. 11	1. 02E-05	-0. 43615	0. 005	0. 097	0. 152901	CSCL1	SUSD3
DUSP2. 11	1. 04E-05	-0. 49202	0. 015	0. 112	0. 155191	CSCL1	DUSP2
C5orf28. 7	1. 04E-05	-0. 10508	0. 239	0. 117	0. 155422	CSCL1	C5orf28
HIPK2. 9	1. 08E-05	-0. 10542	0. 408	0. 218	0. 161388	CSCL1	HIPK2
CAST. 9	1. 09E-05	-0. 10227	0. 577	0. 314	0. 162896	CSCL1	CAST
RPN1. 7	1. 10E-05	-0. 15532	0. 741	0. 404	0. 164128	CSCL1	RPN1
TNFAIP8L2	1. 10E-05	-0. 40803	0. 005	0. 096	0. 164899	CSCL1	TNFAIP8L2
H2AFY. 8	1. 13E-05	0. 130014	0. 965	0. 601	0. 168291	CSCL1	H2AFY
CCL4L2. 1C	1. 14E-05	-0. 64244	0	0. 088	0. 17066	CSCL1	CCL4L2
CCL2. 5	1. 15E-05	-0. 39502	0. 418	0. 222	0. 171215	CSCL1	CCL2
SLC50A1. 9	1. 16E-05	-0. 17528	0. 318	0. 165	0. 173	CSCL1	SLC50A1
LITAF. 12	1. 17E-05	-0. 77425	0. 463	0. 459	0. 17427	CSCL1	LITAF
WDR45. 1	1. 18E-05	-0. 182	0. 463	0. 247	0. 176052	CSCL1	WDR45
GOS2. 9	1. 18E-05	-0. 6994	0. 075	0. 186	0. 176317	CSCL1	GOS2
ASMTL. 2	1. 19E-05	-0. 11053	0. 313	0. 162	0. 178046	CSCL1	ASMTL
BTG1. 11	1. 20E-05	-0. 30498	0. 93	0. 685	0. 178851	CSCL1	BTG1
CAPN1. 7	1. 20E-05	-0. 12491	0. 473	0. 255	0. 179769	CSCL1	CAPN1
USF2. 5	1. 21E-05	-0. 12699	0. 597	0. 321	0. 180913	CSCL1	USF2
IL6R. 12	1. 22E-05	-0. 34907	0	0. 087	0. 182126	CSCL1	IL6R
DARS. 6	1. 22E-05	-0. 11987	0. 726	0. 397	0. 182229	CSCL1	DARS
NCF2. 12	1. 23E-05	-0. 41951	0. 01	0. 103	0. 183385	CSCL1	NCF2
POLR1D. 7	1. 25E-05	-0. 12315	0. 741	0. 41	0. 186419	CSCL1	POLR1D
LPCAT2. 12	1. 26E-05	-0. 51719	0. 045	0. 149	0. 188543	CSCL1	LPCAT2
SAP18. 4	1. 26E-05	-0. 2883	0. 995	0. 762	0. 18871	CSCL1	SAP18
BRK1. 3	1. 28E-05	-0. 20738	0. 99	0. 777	0. 190827	CSCL1	BRK1
HSP90AA1. 1	1. 29E-05	-0. 19474	1	0. 886	0. 193147	CSCL1	HSP90AA1
SOD2. 8	1. 31E-05	-0. 88704	0. 607	0. 535	0. 196037	CSCL1	SOD2
ATF5. 9	1. 34E-05	-0. 18567	0. 363	0. 191	0. 199876	CSCL1	ATF5
PDXK. 10	1. 36E-05	-0. 13155	0. 517	0. 281	0. 203385	CSCL1	PDXK
ATG7. 8	1. 38E-05	-0. 10645	0. 224	0. 109	0. 206083	CSCL1	ATG7
NKTR. 8	1. 38E-05	-0. 11317	0. 657	0. 352	0. 206424	CSCL1	NKTR
C21orf33. 1	1. 39E-05	-0. 11474	0. 662	0. 358	0. 207431	CSCL1	C21orf33
TAGAP. 12	1. 39E-05	-0. 48007	0. 01	0. 102	0. 20801	CSCL1	TAGAP
DHRS1. 2	1. 40E-05	-0. 14173	0. 294	0. 152	0. 208533	CSCL1	DHRS1
SDHB. 5	1. 42E-05	-0. 10911	0. 756	0. 418	0. 212628	CSCL1	SDHB
IFI6. 7	1. 45E-05	-0. 15105	0. 731	0. 401	0. 216535	CSCL1	IFI6
STX11. 11	1. 49E-05	-0. 47722	0. 02	0. 116	0. 222309	CSCL1	STX11
LRRC25. 12	1. 50E-05	-0. 39953	0. 005	0. 094	0. 224361	CSCL1	LRRC25
MAT2A. 6	1. 54E-05	-0. 11684	0. 706	0. 378	0. 229839	CSCL1	MAT2A
LILRA2. 12	1. 55E-05	-0. 40778	0	0. 085	0. 231066	CSCL1	LILRA2
MOB1A. 12	1. 60E-05	-0. 21497	0. 632	0. 335	0. 238753	CSCL1	MOB1A
TOB2. 5	1. 60E-05	-0. 10404	0. 363	0. 194	0. 239375	CSCL1	TOB2
PRDX5. 7	1. 61E-05	-0. 26285	0. 99	0. 738	0. 240921	CSCL1	PRDX5

UPP1. 11	1. 77E-05	-0. 14501	0. 448	0. 251	0. 265134	CSCL1	UPP1
NAMPT. 11	1. 80E-05	-0. 91702	0. 433	0. 437	0. 268369	CSCL1	NAMPT
MYH9. 11	1. 80E-05	-0. 1357	0. 348	0. 185	0. 268683	CSCL1	MYH9
BIN1. 10	1. 83E-05	-0. 69252	0. 294	0. 362	0. 274042	CSCL1	BIN1
DNAJB9. 8	1. 88E-05	-0. 69553	0. 328	0. 386	0. 280416	CSCL1	DNAJB9
PSMD13. 7	1. 89E-05	-0. 10775	0. 751	0. 407	0. 282413	CSCL1	PSMD13
CYB5R1. 5	1. 90E-05	-0. 22336	0. 478	0. 254	0. 283565	CSCL1	CYB5R1
EEF2. 4	1. 93E-05	-0. 15354	0. 98	0. 827	0. 288207	CSCL1	EEF2
SERPING1. 1	1. 95E-05	-0. 96108	0. 129	0. 236	0. 291118	CSCL1	SERPING1
NSMCE2. 4	1. 96E-05	-0. 1168	0. 294	0. 154	0. 29274	CSCL1	NSMCE2
DCAF12. 3	1. 98E-05	-0. 11344	0. 264	0. 133	0. 295685	CSCL1	DCAF12
TMBIM6. 7	2. 00E-05	-0. 25161	0. 995	0. 836	0. 298487	CSCL1	TMBIM6
RBFOX2. 1C	2. 01E-05	-0. 10561	0. 393	0. 213	0. 300658	CSCL1	RBFOX2
TMEM119. 1	2. 03E-05	-0. 49017	0. 015	0. 107	0. 303852	CSCL1	TMEM119
SLC43A3. 5	2. 11E-05	-0. 10516	0. 264	0. 135	0. 315726	CSCL1	SLC43A3
LYL1. 12	2. 16E-05	-0. 34547	0	0. 083	0. 322787	CSCL1	LYL1
AFMID. 6	2. 17E-05	-0. 15287	0. 214	0. 103	0. 324017	CSCL1	AFMID
ATP2C1. 2	2. 19E-05	-0. 116	0. 408	0. 22	0. 327979	CSCL1	ATP2C1
IFITM10. 7	2. 22E-05	-0. 40102	0. 03	0. 127	0. 331287	CSCL1	IFITM10
ZMAT2. 3	2. 22E-05	-0. 10207	0. 746	0. 415	0. 331601	CSCL1	ZMAT2
CEBPA. 11	2. 27E-05	-0. 39995	0. 015	0. 106	0. 339906	CSCL1	CEBPA
NMRAL1. 2	2. 31E-05	-0. 11649	0. 423	0. 235	0. 344476	CSCL1	NMRAL1
CYTIP. 11	2. 33E-05	-0. 49555	0. 015	0. 105	0. 348882	CSCL1	CYTIP
CD2BP2. 2	2. 35E-05	-0. 13156	0. 587	0. 324	0. 351195	CSCL1	CD2BP2
PRKAG2-AS	2. 37E-05	-0. 46489	0. 03	0. 126	0. 354112	CSCL1	PRKAG2-AS1
QDPR. 8	2. 39E-05	-0. 18943	0. 647	0. 355	0. 356572	CSCL1	QDPR
EFHD2. 11	2. 47E-05	-0. 19382	0. 393	0. 207	0. 368985	CSCL1	EFHD2
CXADR. 11	2. 56E-05	-0. 11598	0. 547	0. 303	0. 382369	CSCL1	CXADR
SH3TC1. 11	2. 57E-05	-0. 36018	0	0. 081	0. 383385	CSCL1	SH3TC1
ST6GAL1. 9	2. 67E-05	-0. 40815	0. 02	0. 112	0. 399745	CSCL1	ST6GAL1
SBF2. 4	2. 78E-05	-0. 15793	0. 338	0. 18	0. 415939	CSCL1	SBF2
LTBR. 12	2. 79E-05	-0. 38249	0. 01	0. 097	0. 417098	CSCL1	LTBR
CTSL. 12	2. 82E-05	-0. 74211	0. 597	0. 522	0. 421507	CSCL1	CTSL
STK4. 9	2. 88E-05	-0. 20355	0. 517	0. 283	0. 430989	CSCL1	STK4
HIST1H2BK	2. 92E-05	-0. 1051	0. 373	0. 205	0. 437078	CSCL1	HIST1H2BK
FAM45A. 4	3. 01E-05	-0. 12427	0. 348	0. 188	0. 44922	CSCL1	FAM45A
TNFSF13B. 3	3. 01E-05	-0. 58605	0. 1	0. 205	0. 45014	CSCL1	TNFSF13B
RP11-386G	3. 05E-05	-0. 14962	0. 269	0. 141	0. 455396	CSCL1	RP11-386G11. 10
MYADM. 9	3. 13E-05	-0. 17391	0. 353	0. 19	0. 467297	CSCL1	MYADM
HLA-DOA. 1	3. 17E-05	-0. 41141	0. 01	0. 096	0. 47439	CSCL1	HLA-DOA
CD48. 12	3. 18E-05	-0. 38211	0	0. 08	0. 475155	CSCL1	CD48
RCHY1. 7	3. 24E-05	-0. 15361	0. 363	0. 197	0. 483858	CSCL1	RCHY1
KLHL35. 11	3. 31E-05	-0. 3875	0. 01	0. 095	0. 494193	CSCL1	KLHL35
YIPF2. 2	3. 34E-05	-0. 11169	0. 229	0. 117	0. 499786	CSCL1	YIPF2
ARHGAP9. 1	3. 44E-05	-0. 33885	0. 005	0. 087	0. 514624	CSCL1	ARHGAP9
MCL1. 9	3. 45E-05	-0. 51504	0. 756	0. 596	0. 515095	CSCL1	MCL1
ARL8B. 5	3. 49E-05	-0. 11332	0. 373	0. 203	0. 520908	CSCL1	ARL8B
CAPG. 12	3. 56E-05	-0. 89333	0. 408	0. 415	0. 531522	CSCL1	CAPG
CRTAP. 11	3. 69E-05	-0. 16178	0. 428	0. 233	0. 552024	CSCL1	CRTAP
MAF. 11	3. 72E-05	-0. 4568	0. 04	0. 137	0. 556509	CSCL1	MAF
EAPP. 9	3. 83E-05	-0. 20154	0. 627	0. 35	0. 572801	CSCL1	EAPP

NUDT16.12	3.98E-05	-0.1738	0.393	0.216	0.594718	CSCL1	NUDT16
P2RY13.1C	4.05E-05	-0.45143	0.005	0.086	0.605618	CSCL1	P2RY13
KYNU.12	4.25E-05	-0.37209	0.005	0.086	0.634596	CSCL1	KYNU
ATXN3.3	4.40E-05	-0.13589	0.289	0.154	0.657053	CSCL1	ATXN3
LILRB1.12	4.42E-05	-0.37959	0.01	0.093	0.660047	CSCL1	LILRB1
NEDD9.9	4.51E-05	-0.16978	0.398	0.217	0.673976	CSCL1	NEDD9
FN1.10	4.62E-05	-0.18621	0.289	0.152	0.690206	CSCL1	FN1
RXRA.7	4.67E-05	-0.1008	0.194	0.095	0.6977	CSCL1	RXRA
CNBP.5	4.70E-05	-0.31174	0.975	0.744	0.701751	CSCL1	CNBP
DEF6.12	4.77E-05	-0.34676	0.01	0.093	0.712563	CSCL1	DEF6
PMAIP1.11	4.77E-05	-0.43026	0.005	0.085	0.713498	CSCL1	PMAIP1
FGR.12	4.81E-05	-0.34822	0.005	0.084	0.719528	CSCL1	FGR
ITGAX.11	4.82E-05	-0.41062	0.01	0.092	0.721043	CSCL1	ITGAX
LTF.9	5.08E-05	-1.05598	0.055	0.153	0.7589	CSCL1	LTF
ARID5A.8	5.26E-05	-0.19597	0.517	0.286	0.786195	CSCL1	ARID5A
ZNF277.5	5.53E-05	-0.17839	0.318	0.17	0.826018	CSCL1	ZNF277
NT5C2.4	5.55E-05	-0.13325	0.249	0.127	0.828674	CSCL1	NT5C2
NABP1.10	5.58E-05	-0.47009	0.035	0.125	0.833472	CSCL1	NABP1
MT1F.10	5.59E-05	-0.12544	0.522	0.301	0.835009	CSCL1	MT1F
TSG101.3	5.60E-05	-0.14431	0.746	0.412	0.836648	CSCL1	TSG101
KIFAP3.8	5.61E-05	-0.10799	0.363	0.2	0.837915	CSCL1	KIFAP3
IRAK3.12	5.72E-05	-0.31808	0	0.075	0.855128	CSCL1	IRAK3
ARRDC1.11	5.72E-05	-0.11536	0.254	0.132	0.855475	CSCL1	ARRDC1
SQRDL.12	5.73E-05	-0.51668	0.065	0.162	0.856033	CSCL1	SQRDL
EDF1.3	5.77E-05	-0.17187	1	0.782	0.862521	CSCL1	EDF1
PBXIP1.5	6.02E-05	-0.14005	0.254	0.133	0.8991	CSCL1	PBXIP1
CDC42SE1.6	6.09E-05	-0.16303	0.542	0.3	0.90938	CSCL1	CDC42SE1
SLU7.4	6.16E-05	-0.18091	0.567	0.309	0.919949	CSCL1	SLU7
RENBP.11	6.22E-05	-0.47084	0.045	0.137	0.929587	CSCL1	RENBP
HPGDS.11	6.26E-05	-0.42093	0.01	0.09	0.936143	CSCL1	HPGDS
ST14.12	6.30E-05	-0.29989	0	0.074	0.941112	CSCL1	ST14
APH1B.8	6.39E-05	-0.16858	0.244	0.125	0.95439	CSCL1	APH1B
EEF1B2.11	6.40E-05	-0.25895	0.99	0.773	0.955888	CSCL1	EEF1B2
POU2F2.1C	6.47E-05	-0.44387	0.045	0.137	0.96747	CSCL1	POU2F2
TMEM55B.3	6.52E-05	-0.17056	0.398	0.215	0.974614	CSCL1	TMEM55B
CCRL2.11	6.71E-05	-0.38295	0.01	0.09	1	CSCL1	CCRL2
HLA-A.9	6.72E-05	-0.26798	1	0.894	1	CSCL1	HLA-A
KCNMB1.11	6.78E-05	-0.46874	0.02	0.104	1	CSCL1	KCNMB1
CHP1.8	6.93E-05	-0.13206	0.418	0.231	1	CSCL1	CHP1
GNA15.12	7.05E-05	-0.41781	0.025	0.111	1	CSCL1	GNA15
NAA25.2	7.22E-05	-0.10022	0.269	0.142	1	CSCL1	NAA25
APO01055.7	7.26E-05	-0.3609	0.005	0.081	1	CSCL1	APO01055.6
MGAT4A.12	7.26E-05	-0.64423	0.129	0.222	1	CSCL1	MGAT4A
ZNF655.4	7.27E-05	-0.1463	0.423	0.236	1	CSCL1	ZNF655
FAM162A.1	7.34E-05	-0.23665	0.716	0.395	1	CSCL1	FAM162A
RAB11A.6	7.35E-05	-0.11309	0.826	0.46	1	CSCL1	RAB11A
MTRNR2L1.7	7.35E-05	-0.64888	0.095	0.194	1	CSCL1	MTRNR2L1
RANBP2.9	7.49E-05	-0.14162	0.373	0.206	1	CSCL1	RANBP2
COX6A1.8	7.56E-05	-0.19006	0.995	0.842	1	CSCL1	COX6A1
LAMTOR4.4	7.63E-05	-0.25668	0.985	0.76	1	CSCL1	LAMTOR4
SCG3.12	7.72E-05	-0.11007	0.458	0.263	1	CSCL1	SCG3

ATXN80S. 8	7. 75E-05	-0. 6928	0. 005	0. 081	1 CSCL1	ATXN80S
NECAP1. 9	7. 82E-05	-0. 12477	0. 353	0. 196	1 CSCL1	NECAP1
MT2A. 11	8. 12E-05	-0. 15603	0. 99	0. 78	1 CSCL1	MT2A
CD93. 12	8. 13E-05	-0. 31282	0	0. 072	1 CSCL1	CD93
COMMD9. 6	8. 38E-05	-0. 18026	0. 547	0. 305	1 CSCL1	COMMD9
ARL2. 8	8. 48E-05	-0. 17879	0. 776	0. 432	1 CSCL1	ARL2
FNBP1. 7	8. 50E-05	-0. 17517	0. 468	0. 259	1 CSCL1	FNBP1
ASB8. 7	8. 52E-05	-0. 13313	0. 383	0. 214	1 CSCL1	ASB8
ATP5I. 4	8. 66E-05	-0. 2081	0. 985	0. 747	1 CSCL1	ATP5I
NDUFA1. 5	8. 82E-05	-0. 25808	0. 985	0. 719	1 CSCL1	NDUFA1
GIGYF1. 4	9. 00E-05	-0. 11037	0. 209	0. 105	1 CSCL1	GIGYF1
DENND3. 12	9. 14E-05	-0. 40224	0. 02	0. 102	1 CSCL1	DENND3
ADM. 10	9. 26E-05	-0. 16793	0. 323	0. 183	1 CSCL1	ADM
PQLC3. 11	9. 29E-05	-0. 14252	0. 333	0. 182	1 CSCL1	PQLC3
QSOX1. 9	9. 35E-05	-0. 13763	0. 418	0. 233	1 CSCL1	QSOX1
SASH3. 12	9. 52E-05	-0. 31928	0. 005	0. 079	1 CSCL1	SASH3
SIGLEC9. 1	9. 80E-05	-0. 3884	0. 015	0. 094	1 CSCL1	SIGLEC9
ENG. 12	0. 000102	-0. 53225	0. 075	0. 166	1 CSCL1	ENG
SLC38A6. 7	0. 000102	-0. 1118	0. 194	0. 098	1 CSCL1	SLC38A6
INPP5D. 12	0. 000103	-0. 37916	0. 01	0. 086	1 CSCL1	INPP5D
DOCK2. 12	0. 000104	-0. 32746	0. 005	0. 078	1 CSCL1	DOCK2
ALG13. 7	0. 000105	-0. 18949	0. 388	0. 216	1 CSCL1	ALG13
EXOC1. 7	0. 000106	-0. 14338	0. 438	0. 246	1 CSCL1	EXOC1
DLD. 9	0. 000106	-0. 12777	0. 587	0. 34	1 CSCL1	DLD
VAMP5. 7	0. 000108	-0. 283	0. 736	0. 391	1 CSCL1	VAMP5
IL16. 11	0. 000108	-0. 31732	0	0. 07	1 CSCL1	IL16
GABARAPL2	0. 000109	-0. 24895	0. 98	0. 739	1 CSCL1	GABARAPL2
SORL1. 10	0. 000109	-0. 62574	0. 139	0. 229	1 CSCL1	SORL1
ZNF562. 5	0. 00011	-0. 12174	0. 259	0. 139	1 CSCL1	ZNF562
LINC00969	0. 00011	-0. 1594	0. 428	0. 24	1 CSCL1	LINC00969
TSC22D4. 1	0. 00011	-0. 17655	0. 806	0. 464	1 CSCL1	TSC22D4
TSP0. 11	0. 000112	-0. 50324	0. 791	0. 591	1 CSCL1	TSP0
SIRT2. 9	0. 000113	-0. 18373	0. 746	0. 41	1 CSCL1	SIRT2
LYN. 12	0. 000114	-0. 52686	0. 085	0. 175	1 CSCL1	LYN
CXorf21. 1	0. 000116	-0. 35817	0. 005	0. 077	1 CSCL1	CXorf21
ALDH9A1. 5	0. 000117	-0. 15965	0. 587	0. 334	1 CSCL1	ALDH9A1
ANAPC13. 9	0. 000118	-0. 17125	0. 622	0. 349	1 CSCL1	ANAPC13
TMEM205. 1	0. 000124	-0. 1142	0. 876	0. 489	1 CSCL1	TMEM205
DDX21. 9	0. 000124	-0. 19492	0. 527	0. 296	1 CSCL1	DDX21
UNC45A. 4	0. 000125	-0. 10222	0. 289	0. 158	1 CSCL1	UNC45A
BLNK. 10	0. 000127	-0. 34237	0	0. 068	1 CSCL1	BLNK
ITGAM. 12	0. 000127	-0. 3201	0. 005	0. 077	1 CSCL1	ITGAM
PHF11. 10	0. 000128	-0. 10625	0. 259	0. 14	1 CSCL1	PHF11
HSD17B4. 5	0. 000132	-0. 13788	0. 418	0. 238	1 CSCL1	HSD17B4
CAPZB. 11	0. 000133	-0. 34287	0. 94	0. 697	1 CSCL1	CAPZB
SLC18B1. 7	0. 000134	-0. 12721	0. 313	0. 176	1 CSCL1	SLC18B1
AP4M1. 9	0. 000136	-0. 11329	0. 338	0. 191	1 CSCL1	AP4M1
TNFAIP3. 1	0. 000141	-0. 58324	0. 075	0. 165	1 CSCL1	TNFAIP3
RNMT. 3	0. 000141	-0. 16403	0. 537	0. 3	1 CSCL1	RNMT
ZMYM2. 7	0. 000143	-0. 13731	0. 363	0. 202	1 CSCL1	ZMYM2
FUOM. 11	0. 000146	-0. 48806	0. 055	0. 142	1 CSCL1	FUOM

IVNS1ABP.	0.00015	-0.22581	0.428	0.234	1	CSCL1	IVNS1ABP
TMEM51.9	0.00015	-0.10039	0.224	0.117	1	CSCL1	TMEM51
SIGLEC7.1	0.00015	-0.3197	0.005	0.075	1	CSCL1	SIGLEC7
CYTL1.11	0.000151	-0.50247	0.03	0.112	1	CSCL1	CYTL1
ATP5J2.8	0.000152	-0.20629	1	0.804	1	CSCL1	ATP5J2
GPR155.9	0.000152	-0.11823	0.328	0.184	1	CSCL1	GPR155
CCR1.11	0.000152	-0.34522	0.01	0.083	1	CSCL1	CCR1
TMBIM1.9	0.000152	-0.28741	0.438	0.241	1	CSCL1	TMBIM1
ARHGAP15.	0.000153	-0.39422	0.02	0.098	1	CSCL1	ARHGAP15
EBI3.11	0.000155	-0.42195	0.02	0.097	1	CSCL1	EBI3
TOX4.3	0.000155	-0.16931	0.453	0.259	1	CSCL1	TOX4
ZBTB1.5	0.000156	-0.1022	0.294	0.162	1	CSCL1	ZBTB1
SDCCAG8.7	0.000157	-0.19481	0.572	0.325	1	CSCL1	SDCCAG8
FKBP15.11	0.000157	-0.12974	0.254	0.136	1	CSCL1	FKBP15
GNPTG.5	0.00016	-0.14954	0.448	0.255	1	CSCL1	GNPTG
GPR84.12	0.000161	-0.33019	0.005	0.075	1	CSCL1	GPR84
CACNA2D4.	0.000162	-0.33266	0.005	0.075	1	CSCL1	CACNA2D4
AMD1.6	0.000163	-0.20881	0.682	0.378	1	CSCL1	AMD1
ABI1.11	0.000164	-0.22531	0.423	0.237	1	CSCL1	ABI1
PACS2.5	0.000166	-0.14204	0.249	0.133	1	CSCL1	PACS2
ANKRD22.1	0.000167	-0.31015	0	0.066	1	CSCL1	ANKRD22
AREG.12	0.000169	-0.44943	0	0.066	1	CSCL1	AREG
MTHFS.8	0.000169	-0.14599	0.333	0.186	1	CSCL1	MTHFS
ZNF791.7	0.000171	-0.14513	0.463	0.267	1	CSCL1	ZNF791
PIK3AP1.1	0.000174	-0.25255	0	0.066	1	CSCL1	PIK3AP1
REL.12	0.000178	-0.68498	0.234	0.299	1	CSCL1	REL
MTDH.7	0.000179	0.119971	0.94	0.604	1	CSCL1	MTDH
LACTB.12	0.00018	-0.14386	0.299	0.164	1	CSCL1	LACTB
DDB2.5	0.000181	-0.16147	0.184	0.092	1	CSCL1	DDB2
ARPC1B.12	0.000187	-0.68312	0.652	0.529	1	CSCL1	ARPC1B
CCDC159.2	0.000189	-0.18525	0.269	0.147	1	CSCL1	CCDC159
RAB3IP.8	0.000191	-0.15246	0.418	0.243	1	CSCL1	RAB3IP
GLRX.11	0.000192	-0.81416	0.373	0.389	1	CSCL1	GLRX
CCNH.6	0.000193	-0.2053	0.716	0.406	1	CSCL1	CCNH
SAR1A.9	0.000194	-0.15448	0.507	0.294	1	CSCL1	SAR1A
SRP54.4	0.000197	-0.15428	0.468	0.269	1	CSCL1	SRP54
NINJ2.11	0.000199	-0.4152	0.015	0.088	1	CSCL1	NINJ2
TMA7.7	0.000201	-0.19542	0.99	0.849	1	CSCL1	TMA7
THBD.11	0.000204	-0.39689	0.02	0.096	1	CSCL1	THBD
CREG1.11	0.000207	-0.63072	0.234	0.298	1	CSCL1	CREG1
GCC2.3	0.000209	-0.20647	0.478	0.268	1	CSCL1	GCC2
ELMO1.9	0.00021	-0.50471	0.1	0.192	1	CSCL1	ELMO1
CLIP3.11	0.000211	-0.11805	0.343	0.195	1	CSCL1	CLIP3
PGM2.8	0.000214	-0.16417	0.269	0.146	1	CSCL1	PGM2
SLPI.9	0.000215	-1.1194	0.065	0.151	1	CSCL1	SLPI
HDDC3.5	0.000229	-0.10257	0.264	0.147	1	CSCL1	HDDC3
ATXN1.7	0.000233	-0.11253	0.289	0.161	1	CSCL1	ATXN1
BTK.12	0.000237	-0.34069	0.015	0.087	1	CSCL1	BTK
SRP19.3	0.000243	-0.17301	0.711	0.399	1	CSCL1	SRP19
PSMC4.3	0.000248	-0.10541	0.856	0.488	1	CSCL1	PSMC4
DPYD.10	0.000249	-0.33254	0.025	0.102	1	CSCL1	DPYD

RING1.2	0.00025	-0.10679	0.448	0.258	1	CSCL1	RING1
PSENE8.8	0.000252	-0.1956	0.851	0.486	1	CSCL1	PSENE8
DDIT3.7	0.000256	-0.21188	0.756	0.422	1	CSCL1	DDIT3
CHURC1.5	0.000261	-0.14886	0.701	0.395	1	CSCL1	CHURC1
SIGLEC8.9	0.000263	-0.35469	0.01	0.079	1	CSCL1	SIGLEC8
FAM96A.1C	0.000264	-0.24119	0.622	0.352	1	CSCL1	FAM96A
ORMDL1.2	0.000264	-0.10321	0.846	0.476	1	CSCL1	ORMDL1
KLF4.12	0.000281	-0.58634	0.124	0.208	1	CSCL1	KLF4
UBE2L6.6	0.000282	-0.1931	0.841	0.467	1	CSCL1	UBE2L6
HGSNAT.5	0.000282	-0.13441	0.358	0.203	1	CSCL1	HGSNAT
USP53.11	0.000282	-0.51691	0.06	0.143	1	CSCL1	USP53
FGD2.11	0.000282	-0.30769	0	0.062	1	CSCL1	FGD2
HLA-C.7	0.000284	-0.26227	0.93	0.801	1	CSCL1	HLA-C
COPG1.2	0.000287	-0.1195	0.393	0.228	1	CSCL1	COPG1
FAM221A.1	0.00029	-0.1294	0.308	0.175	1	CSCL1	FAM221A
KIAA1033.0	0.000291	-0.12758	0.408	0.236	1	CSCL1	KIAA1033
CALCOCO1.0	0.000296	-0.10916	0.264	0.145	1	CSCL1	CALCOCO1
MARCH6.1C	0.000301	-0.12973	0.612	0.352	1	CSCL1	6-Mar
TFSM.9	0.000304	-0.23481	0.478	0.272	1	CSCL1	TFSM
RASGRP3.1	0.000304	-0.32222	0.005	0.07	1	CSCL1	RASGRP3
GAPT.12	0.000307	-0.27907	0	0.061	1	CSCL1	GAPT
CRYAB.11	0.000309	-1.05	0.572	0.498	1	CSCL1	CRYAB
EGR2.8	0.000311	-0.1359	0.328	0.189	1	CSCL1	EGR2
PLAC8.11	0.000321	-0.35427	0.005	0.069	1	CSCL1	PLAC8
DEGS1.3	0.000323	-0.10523	0.781	0.454	1	CSCL1	DEGS1
FAM20A.11	0.000323	-0.23963	0	0.061	1	CSCL1	FAM20A
SDCBP.9	0.000325	-0.31334	0.97	0.724	1	CSCL1	SDCBP
RSU1.6	0.000329	-0.22564	0.473	0.265	1	CSCL1	RSU1
TRMT1.9	0.000335	-0.25699	0.448	0.254	1	CSCL1	TRMT1
NUP214.11	0.000342	-0.30986	0.348	0.192	1	CSCL1	NUP214
ITSN2.8	0.000342	-0.14235	0.318	0.179	1	CSCL1	ITSN2
COPZ1.5	0.000346	-0.1106	0.821	0.48	1	CSCL1	COPZ1
SCD.11	0.000346	-0.24502	0.368	0.21	1	CSCL1	SCD
PTGDS.9	0.00035	-0.84936	0.085	0.171	1	CSCL1	PTGDS
SLC48A1.6	0.000355	-0.14351	0.239	0.131	1	CSCL1	SLC48A1
TPST2.10	0.000358	-0.14591	0.294	0.165	1	CSCL1	TPST2
HPS1.11	0.000362	-0.37026	0.035	0.112	1	CSCL1	HPS1
ATP6AP2.7	0.000363	-0.3375	0.886	0.652	1	CSCL1	ATP6AP2
IGSF21.1C	0.000366	-0.44274	0.08	0.165	1	CSCL1	IGSF21
GPRIN3.12	0.000375	-0.2418	0	0.059	1	CSCL1	GPRIN3
GLB1.9	0.000376	-0.21183	0.428	0.241	1	CSCL1	GLB1
NUPR1.10	0.000389	-0.77993	0.279	0.325	1	CSCL1	NUPR1
MOAP1.9	0.000389	-0.13405	0.373	0.215	1	CSCL1	MOAP1
TDP2.5	0.000391	-0.15225	0.318	0.18	1	CSCL1	TDP2
TRAPPC2P1	0.000392	-0.21608	0.388	0.221	1	CSCL1	TRAPPC2P1
ETF1.10	0.000393	-0.19393	0.592	0.341	1	CSCL1	ETF1
PAPSS1.6	0.000397	-0.12651	0.498	0.291	1	CSCL1	PAPSS1
C4orf3.7	0.000399	-0.38247	0.91	0.642	1	CSCL1	C4orf3
GATAD1.6	0.000401	-0.13281	0.348	0.198	1	CSCL1	GATAD1
CLEC4E.1C	0.000407	-0.33483	0	0.059	1	CSCL1	CLEC4E
DCTN2.6	0.00041	-0.13095	0.886	0.5	1	CSCL1	DCTN2



PEBP1.11	0.000412	-0.21206	0.995	0.8	1	CSCL1	PEBP1
GSN.11	0.000412	-0.68971	0.612	0.508	1	CSCL1	GSN
RNF216.5	0.000415	-0.1304	0.388	0.227	1	CSCL1	RNF216
PALD1.11	0.000421	-0.39255	0.03	0.103	1	CSCL1	PALD1
PNRC2.1	0.000424	-0.16414	0.119	0.056	1	CSCL1	PNRC2
MTRNR2L1C	0.000424	-0.55757	0.01	0.075	1	CSCL1	MTRNR2L10
VAV1.12	0.00043	-0.28847	0.01	0.075	1	CSCL1	VAV1
SCPEP1.1C	0.000442	-0.75574	0.318	0.347	1	CSCL1	SCPEP1
MMP2.8	0.000444	-0.13817	0.388	0.224	1	CSCL1	MMP2
CYB561A3.	0.000447	-0.13113	0.264	0.148	1	CSCL1	CYB561A3
BRWD1.9	0.000448	-0.10076	0.408	0.239	1	CSCL1	BRWD1
CALM2.8	0.000449	-0.22276	1	0.931	1	CSCL1	CALM2
A2M.10	0.00045	-0.77946	0.517	0.463	1	CSCL1	A2M
KLF6.10	0.000453	-0.61719	0.632	0.53	1	CSCL1	KLF6
CHST11.1C	0.000456	-0.1573	0.368	0.21	1	CSCL1	CHST11
GIMAP1.11	0.000459	-0.30425	0.01	0.074	1	CSCL1	GIMAP1
FAM53C.7	0.000464	-0.23535	0.418	0.238	1	CSCL1	FAM53C
FAM133B.4	0.000467	-0.13073	0.831	0.465	1	CSCL1	FAM133B
NLRP3.11	0.000471	-0.36343	0.02	0.089	1	CSCL1	NLRP3
NDUFB8.6	0.000471	-0.59695	0	0.057	1	CSCL1	NDUFB8
CRBN.1	0.000474	-0.18018	0.483	0.282	1	CSCL1	CRBN
TAGLN3.1C	0.000475	-0.14731	0.323	0.185	1	CSCL1	TAGLN3
SOCS3.11	0.000484	-0.15809	0.592	0.344	1	CSCL1	SOCS3
FPR3.12	0.000487	-0.23142	0	0.057	1	CSCL1	FPR3
NPL.11	0.000487	-0.64379	0.124	0.202	1	CSCL1	NPL
TSPAN31.7	0.00049	-0.29755	0.512	0.291	1	CSCL1	TSPAN31
IKZF1.11	0.000496	-0.27824	0.005	0.066	1	CSCL1	IKZF1
OSCAR.12	0.000505	-0.27231	0.01	0.074	1	CSCL1	OSCAR
TFEC.12	0.000507	-0.24098	0	0.057	1	CSCL1	TFEC
SYTL3.10	0.000511	-0.31564	0.005	0.065	1	CSCL1	SYTL3
SPATA13.7	0.000521	-0.16685	0.289	0.163	1	CSCL1	SPATA13
TLR7.9	0.000523	-0.27843	0	0.057	1	CSCL1	TLR7
NAGK.8	0.000528	-0.25919	0.677	0.376	1	CSCL1	NAGK
TRAPPC2L.	0.000532	-0.16412	0.721	0.414	1	CSCL1	TRAPPC2L
SPN.12	0.000534	-0.24431	0	0.056	1	CSCL1	SPN
VAT1.5	0.000539	-0.12473	0.343	0.199	1	CSCL1	VAT1
DOK2.11	0.00054	-0.25718	0	0.056	1	CSCL1	DOK2
DUSP11.2	0.000549	-0.12695	0.308	0.181	1	CSCL1	DUSP11
STX6.6	0.000557	-0.1713	0.343	0.195	1	CSCL1	STX6
FOXO3.7	0.000559	-0.13873	0.458	0.269	1	CSCL1	FOXO3
CXCL2.9	0.000563	-0.44399	0.02	0.088	1	CSCL1	CXCL2
RP11-556E	0.000575	-0.27051	0	0.056	1	CSCL1	RP11-556E13.1
ACAT1.4	0.000579	-0.21296	0.627	0.362	1	CSCL1	ACAT1
FOXP1.8	0.000594	-0.77467	0.159	0.232	1	CSCL1	FOXP1
LGALS3BP.	0.000594	-0.13183	0.786	0.443	1	CSCL1	LGALS3BP
SETD7.5	0.000607	-0.10538	0.189	0.102	1	CSCL1	SETD7
GIMAP7.9	0.000612	-0.27981	0	0.055	1	CSCL1	GIMAP7
SAA1.9	0.000622	-1.07935	0.045	0.12	1	CSCL1	SAA1
DNAJC4.7	0.000623	-0.14564	0.383	0.226	1	CSCL1	DNAJC4
ATP1B1.1C	0.000632	-0.53243	0.159	0.236	1	CSCL1	ATP1B1
ATP5J.4	0.000639	-0.18585	0.975	0.747	1	CSCL1	ATP5J

CCL3L3.9	0.000645	-0.65352	0	0.055	1	CSCL1	CCL3L3
ARPC2.10	0.000647	-0.16622	0.975	0.77	1	CSCL1	ARPC2
RARRES2.1	0.000648	-0.17027	0.254	0.147	1	CSCL1	RARRES2
PICALM.12	0.000681	-0.19781	0.478	0.278	1	CSCL1	PICALM
HPCAL1.8	0.000686	-0.13118	0.358	0.207	1	CSCL1	HPCAL1
LILRB2.12	0.000687	-0.25368	0	0.054	1	CSCL1	LILRB2
GGA1.8	0.000693	-0.22451	0.493	0.286	1	CSCL1	GGA1
TSPAN15.1	0.000695	-0.29686	0.015	0.079	1	CSCL1	TSPAN15
MPP1.12	0.000709	-0.51454	0.124	0.202	1	CSCL1	MPP1
GPR137B.8	0.000712	-0.1625	0.393	0.227	1	CSCL1	GPR137B
MAOB.10	0.000713	-0.10426	0.179	0.097	1	CSCL1	MAOB
RHOH.11	0.000724	-0.36386	0.015	0.078	1	CSCL1	RHOH
UPF2.6	0.000733	-0.22146	0.368	0.215	1	CSCL1	UPF2
MKNK1.11	0.000734	-0.51904	0.095	0.172	1	CSCL1	MKNK1
BAZ2B.7	0.00074	-0.16282	0.542	0.316	1	CSCL1	BAZ2B
HBEGF.12	0.000757	-0.62405	0.144	0.217	1	CSCL1	HBEGF
SFR1.7	0.000765	-0.11296	0.134	0.067	1	CSCL1	SFR1
SMCO4.12	0.000767	-0.44071	0.06	0.134	1	CSCL1	SMCO4
MEAF6.9	0.000767	-0.12949	0.816	0.471	1	CSCL1	MEAF6
RGS18.12	0.000778	-0.24099	0	0.053	1	CSCL1	RGS18
KCTD12.12	0.000782	-0.56591	0.169	0.237	1	CSCL1	KCTD12
GNGT2.12	0.000786	-0.23486	0	0.053	1	CSCL1	GNGT2
THOC6.7	0.000787	-0.1087	0.284	0.167	1	CSCL1	THOC6
TRAF3IP3.0	0.000794	-0.26252	0	0.053	1	CSCL1	TRAF3IP3
CCL20.11	0.000795	-0.30799	0.005	0.062	1	CSCL1	CCL20
PSMA2.6	0.000798	-0.59484	0.005	0.062	1	CSCL1	PSMA2
TCEB2.9	0.000799	-0.16207	1	0.82	1	CSCL1	TCEB2
SLC25A19.0	0.000801	-0.22637	0.294	0.166	1	CSCL1	SLC25A19
RIPK2.10	0.000827	-0.18284	0.289	0.166	1	CSCL1	RIPK2
TOR2A.8	0.000831	-0.10098	0.254	0.145	1	CSCL1	TOR2A
TRPM2.12	0.000846	-0.22669	0	0.053	1	CSCL1	TRPM2
RGCC.10	0.000849	-0.50673	0.174	0.251	1	CSCL1	RGCC
HTRA1.10	0.000854	-0.12339	0.791	0.454	1	CSCL1	HTRA1
NRROS.9	0.000872	-0.30296	0.01	0.069	1	CSCL1	NRROS
C2.10	0.000879	-0.46601	0.045	0.116	1	CSCL1	C2
OLFML2B.1	0.000884	-0.30362	0.01	0.069	1	CSCL1	OLFML2B
KLF9.5	0.000885	-0.11498	0.229	0.129	1	CSCL1	KLF9
ATIC.4	0.000886	-0.13707	0.373	0.222	1	CSCL1	ATIC
CD300C.12	0.00089	-0.29012	0.01	0.069	1	CSCL1	CD300C
TGOLN2.9	0.000903	-0.1797	0.642	0.368	1	CSCL1	TGOLN2
SLC8A1.1C	0.000918	-0.15431	0.254	0.143	1	CSCL1	SLC8A1
ASNS.12	0.000934	-0.11094	0.299	0.175	1	CSCL1	ASNS
SLC16A3.1	0.000944	-0.65873	0.284	0.321	1	CSCL1	SLC16A3
UXT.8	0.000952	-0.12564	0.886	0.532	1	CSCL1	UXT
METTL22.5	0.000959	-0.10035	0.164	0.088	1	CSCL1	METTL22
ARHGEF1.8	0.000966	-0.19556	0.338	0.194	1	CSCL1	ARHGEF1
GIMAP5.1C	0.000978	-0.23158	0	0.051	1	CSCL1	GIMAP5
ITPR2.10	0.000983	-0.10653	0.229	0.13	1	CSCL1	ITPR2
GAA.11	0.000992	-0.2455	0.552	0.316	1	CSCL1	GAA
TNFSF10.9	0.001015	-0.34416	0.015	0.075	1	CSCL1	TNFSF10
PNRC1.9	0.001015	-0.44703	0.682	0.537	1	CSCL1	PNRC1

DNAJB6.5	0.001028	-0.28083	0.96	0.704	1	CSCL1	DNAJB6
TRPV2.12	0.001028	-0.23689	0.005	0.06	1	CSCL1	TRPV2
ATP6V1C1.	0.001034	-0.17093	0.403	0.241	1	CSCL1	ATP6V1C1
TMBIM4.8	0.001038	-0.58809	0.005	0.06	1	CSCL1	TMBIM4
S100B.11	0.001041	-0.148	0.841	0.522	1	CSCL1	S100B
MYT1L.11	0.001044	-0.21754	0.005	0.06	1	CSCL1	MYT1L
C10orf11.	0.001059	-0.33379	0.035	0.102	1	CSCL1	C10orf11
LAPTM4A.8	0.001071	-0.25345	0.99	0.769	1	CSCL1	LAPTM4A
FBX044.8	0.00108	-0.1153	0.244	0.14	1	CSCL1	FBX044
DHRS7.10	0.001092	-0.53943	0.697	0.554	1	CSCL1	DHRS7
HPSE.11	0.001098	-0.25477	0.005	0.059	1	CSCL1	HPSE
HLA-E.12	0.001103	-0.52579	0.751	0.593	1	CSCL1	HLA-E
MIAT.10	0.001107	-0.42494	0.095	0.169	1	CSCL1	MIAT
GAPDH.9	0.001123	-0.28131	1	0.985	1	CSCL1	GAPDH
SEMA4D.11	0.001139	-0.31986	0.02	0.081	1	CSCL1	SEMA4D
RHOB.8	0.001162	-0.36041	0.791	0.606	1	CSCL1	RHOB
RIT1.8	0.001176	-0.15198	0.353	0.211	1	CSCL1	RIT1
MAN2C1.2	0.001178	-0.17787	0.234	0.132	1	CSCL1	MAN2C1
IRF2BP2.9	0.001187	-0.17897	0.527	0.312	1	CSCL1	IRF2BP2
GNPDA1.4	0.001196	-0.17368	0.398	0.237	1	CSCL1	GNPDA1
MYCBP2.7	0.001202	-0.14261	0.502	0.301	1	CSCL1	MYCBP2
HHEX.12	0.001236	-0.24987	0.005	0.058	1	CSCL1	HHEX
FGD4.11	0.001251	-0.42924	0.075	0.148	1	CSCL1	FGD4
HADHB.5	0.001258	-0.14465	0.811	0.455	1	CSCL1	HADHB
PSME4.2	0.001276	-0.10304	0.234	0.134	1	CSCL1	PSME4
ORMDL2.9	0.001299	-0.30789	0.463	0.269	1	CSCL1	ORMDL2
COMMD1.3	0.001316	-0.24057	0.597	0.353	1	CSCL1	COMMD1
CHFR.3	0.001321	-0.11544	0.214	0.121	1	CSCL1	CHFR
ZNF846.9	0.001337	-0.11706	0.134	0.069	1	CSCL1	ZNF846
RP11-480C	0.00135	-0.2765	0	0.049	1	CSCL1	RP11-480C22.1
SLC25A46.	0.001365	-0.10262	0.259	0.151	1	CSCL1	SLC25A46
CNDP2.10	0.001365	-0.1346	0.746	0.425	1	CSCL1	CNDP2
NUCB1.11	0.00139	-0.14332	0.756	0.44	1	CSCL1	NUCB1
OSGEP.6	0.00141	-0.21709	0.338	0.2	1	CSCL1	OSGEP
TMEM156.1	0.001437	-0.27054	0.005	0.057	1	CSCL1	TMEM156
CLECL1.11	0.001437	-0.19581	0	0.048	1	CSCL1	CLECL1
MX2.12	0.001445	-0.27373	0.01	0.065	1	CSCL1	MX2
ATG13.2	0.001449	-0.10907	0.224	0.128	1	CSCL1	ATG13
DBNL.9	0.00145	-0.18143	0.741	0.42	1	CSCL1	DBNL
PIK3R5.11	0.001452	-0.20185	0	0.048	1	CSCL1	PIK3R5
PTPN7.12	0.00146	-0.32855	0.02	0.079	1	CSCL1	PTPN7
RP6-91H8.	0.001467	-0.29057	0.005	0.057	1	CSCL1	RP6-91H8.3
MARCH1.1C	0.00147	-0.38269	0.114	0.192	1	CSCL1	1-Mar
TCEAL7.1C	0.001479	-0.20773	0.493	0.299	1	CSCL1	TCEAL7
TMEM52B.1	0.001483	-0.23116	0	0.048	1	CSCL1	TMEM52B
ACSL1.11	0.001495	-0.58255	0.164	0.228	1	CSCL1	ACSL1
ZNF267.11	0.001495	-0.15751	0.229	0.131	1	CSCL1	ZNF267
TSTD1.6	0.001512	-0.14794	0.323	0.195	1	CSCL1	TSTD1
SLAMF8.12	0.001531	-0.25882	0.01	0.064	1	CSCL1	SLAMF8
CECR1.10	0.001553	-0.28412	0.015	0.072	1	CSCL1	CECR1
SARS.7	0.001573	-0.15197	0.766	0.437	1	CSCL1	SARS

TMEM63A. 6	0.001575	-0.11463	0.134	0.07	1	CSCL1	TMEM63A
SYP. 11	0.001577	-0.10356	0.229	0.132	1	CSCL1	SYP
FBXO25. 2	0.001578	-0.10019	0.254	0.15	1	CSCL1	FBXO25
DOCK5. 11	0.001587	-0.2554	0.005	0.056	1	CSCL1	DOCK5
PAK7. 11	0.001611	-0.15719	0	0.047	1	CSCL1	PAK7
PCSK7. 6	0.001637	-0.18873	0.463	0.279	1	CSCL1	PCSK7
NUMB. 11	0.001661	-0.19909	0.289	0.168	1	CSCL1	NUMB
ITGA5. 8	0.001663	-0.12442	0.154	0.083	1	CSCL1	ITGA5
CXorf40A. 0	0.001671	-0.10021	0.159	0.087	1	CSCL1	CXorf40A
RIN3. 12	0.001674	-0.38607	0.05	0.116	1	CSCL1	RIN3
SOAT1. 12	0.001678	-0.23088	0.333	0.195	1	CSCL1	SOAT1
TES. 12	0.001679	-0.22694	0	0.047	1	CSCL1	TES
SREBF1. 4	0.00169	-0.12688	0.204	0.115	1	CSCL1	SREBF1
DCX. 12	0.001695	-0.15322	0.338	0.202	1	CSCL1	DCX
TCIRG1. 12	0.00172	-0.4028	0.06	0.127	1	CSCL1	TCIRG1
IFNGR2. 10	0.00173	-0.12434	0.667	0.385	1	CSCL1	IFNGR2
NFKBIE. 9	0.001744	-0.10511	0.229	0.132	1	CSCL1	NFKBIE
ZNF33A. 5	0.001751	-0.10324	0.179	0.099	1	CSCL1	ZNF33A
RPS6KA1. 1	0.001762	-0.42352	0.065	0.132	1	CSCL1	RPS6KA1
FNIP1. 3	0.001782	-0.10403	0.184	0.103	1	CSCL1	FNIP1
TAX1BP3. 8	0.001783	-0.22842	0.652	0.377	1	CSCL1	TAX1BP3
TLR5. 9	0.001844	-0.23379	0	0.046	1	CSCL1	TLR5
WBP2. 4	0.001848	-0.17321	0.796	0.446	1	CSCL1	WBP2
GAL3ST4. 1	0.001853	-0.55089	0.104	0.172	1	CSCL1	GAL3ST4
SLC12A9. 7	0.001859	-0.15203	0.333	0.199	1	CSCL1	SLC12A9
C15orf48. 0	0.001869	-0.3344	0.015	0.07	1	CSCL1	C15orf48
FAM159A. 1	0.001902	-0.19454	0	0.046	1	CSCL1	FAM159A
HNMT. 11	0.001928	-0.58729	0.154	0.22	1	CSCL1	HNMT
IGF1. 10	0.001934	-0.28658	0.01	0.062	1	CSCL1	IGF1
CLEC4A. 12	0.001955	-0.27173	0.01	0.062	1	CSCL1	CLEC4A
SMARCA2. 5	0.001958	-0.13161	0.229	0.133	1	CSCL1	SMARCA2
EIF2S3. 7	0.001976	-0.18942	0.488	0.291	1	CSCL1	EIF2S3
PTGS2. 11	0.001982	-0.2573	0.01	0.062	1	CSCL1	PTGS2
LRMP. 10	0.001983	-0.20262	0	0.045	1	CSCL1	LRMP
ANXA11. 11	0.001989	-0.53348	0.154	0.217	1	CSCL1	ANXA11
ARHGAP22. 0	0.001991	-0.11321	0.139	0.073	1	CSCL1	ARHGAP22
M6PR. 12	0.002016	-0.22077	0.652	0.377	1	CSCL1	M6PR
HADHA. 8	0.002021	-0.13316	0.746	0.436	1	CSCL1	HADHA
SNX20. 11	0.002024	-0.1827	0	0.045	1	CSCL1	SNX20
PRAM1. 10	0.002028	-0.24142	0.005	0.054	1	CSCL1	PRAM1
MFSD1. 12	0.002036	-0.6858	0.333	0.344	1	CSCL1	MFSD1
IRF1. 9	0.002043	-0.22456	0.338	0.204	1	CSCL1	IRF1
SIGLEC14. 0	0.002045	-0.20882	0	0.045	1	CSCL1	SIGLEC14
TIPIN. 7	0.002075	-0.19606	0.239	0.139	1	CSCL1	TIPIN
IDNK. 4	0.002115	-0.12919	0.169	0.094	1	CSCL1	IDNK
CSRNP1. 12	0.002124	-0.47013	0.124	0.192	1	CSCL1	CSRNP1
WDR830S. 5	0.002149	-0.27052	0.975	0.74	1	CSCL1	WDR830S
EMB. 12	0.002178	-0.30398	0.02	0.076	1	CSCL1	EMB
SLC7A8. 7	0.002199	-0.19341	0	0.045	1	CSCL1	SLC7A8
EMP3. 11	0.002224	-0.19783	0.751	0.444	1	CSCL1	EMP3
CPPED1. 12	0.002266	-0.25428	0.015	0.069	1	CSCL1	CPPED1

HMBOX1.1C	0.00228	-0.13949	0.313	0.191	1	CSCL1	HMBOX1
ERV3-1.11	0.002324	-0.17609	0.423	0.258	1	CSCL1	ERV3-1
NT5DC1.7	0.002325	-0.22109	0.005	0.053	1	CSCL1	NT5DC1
FLI1.12	0.00235	-0.2321	0.005	0.053	1	CSCL1	FLI1
ARMCX2.7	0.002362	-0.14804	0.244	0.145	1	CSCL1	ARMCX2
SPSB3.7	0.002371	-0.23147	0.512	0.301	1	CSCL1	SPSB3
HSPA1A.8	0.002386	-0.63018	0.552	0.491	1	CSCL1	HSPA1A
SEC62.6	0.00239	-0.25291	0.955	0.686	1	CSCL1	SEC62
GFAP.8	0.002393	-0.59016	0.294	0.351	1	CSCL1	GFAP
ATP8B4.1C	0.002415	-0.18913	0	0.044	1	CSCL1	ATP8B4
MBD6.7	0.002418	-0.20657	0.239	0.137	1	CSCL1	MBD6
PRDM1.11	0.002431	-0.36826	0.04	0.101	1	CSCL1	PRDM1
CD40.12	0.002439	-0.26555	0.015	0.068	1	CSCL1	CD40
IL2RG.8	0.00244	-0.25051	0	0.044	1	CSCL1	IL2RG
AMPD3.9	0.00244	-0.1875	0.005	0.053	1	CSCL1	AMPD3
NHSL2.7	0.002452	-0.44971	0.005	0.052	1	CSCL1	NHSL2
ABCA2.11	0.002481	-0.20441	0.169	0.094	1	CSCL1	ABCA2
PPIF.9	0.002486	-0.20201	0.368	0.218	1	CSCL1	PPIF
POLE4.8	0.00252	-0.20121	0.468	0.281	1	CSCL1	POLE4
ELP2.4	0.002538	-0.13482	0.328	0.201	1	CSCL1	ELP2
GIMAP6.1C	0.002543	-0.19835	0	0.043	1	CSCL1	GIMAP6
FLCN.6	0.002625	-0.12104	0.229	0.134	1	CSCL1	FLCN
PLEC.9	0.00263	-0.16193	0.308	0.184	1	CSCL1	PLEC
CLASP2.11	0.002633	-0.15482	0.323	0.195	1	CSCL1	CLASP2
ACTR2.12	0.002638	-0.11129	0.771	0.453	1	CSCL1	ACTR2
DPYSL2.9	0.002662	-0.10716	0.706	0.418	1	CSCL1	DPYSL2
EIF5AL1.4	0.00267	-0.10829	0.204	0.119	1	CSCL1	EIF5AL1
WASF2.9	0.002695	-0.16963	0.746	0.433	1	CSCL1	WASF2
MARCO.8	0.002696	-0.37102	0.01	0.06	1	CSCL1	MARCO
SH3BGRL.8	0.002706	-0.41793	0.915	0.644	1	CSCL1	SH3BGRL
PRKCB.11	0.002735	-0.16652	0	0.043	1	CSCL1	PRKCB
CXCL12.7	0.002735	-0.2212	0	0.043	1	CSCL1	CXCL12
FKBP11.5	0.002782	-0.15795	0.199	0.115	1	CSCL1	FKBP11
PPARD.10	0.002783	-0.14282	0.189	0.107	1	CSCL1	PPARD
XIST.12	0.002791	-0.4661	0.204	0.267	1	CSCL1	XIST
CD72.9	0.002846	-0.20233	0.005	0.051	1	CSCL1	CD72
ESYT1.10	0.002858	-0.11056	0.204	0.119	1	CSCL1	ESYT1
KLHL6.11	0.002868	-0.24637	0.005	0.051	1	CSCL1	KLHL6
SMYD4.2	0.002871	-0.12725	0.199	0.116	1	CSCL1	SMYD4
KCNQ10T1.1	0.002871	-0.16877	0.448	0.275	1	CSCL1	KCNQ10T1
DSE.12	0.002875	-0.42144	0.075	0.139	1	CSCL1	DSE
ATF7IP2.1	0.00288	-0.20244	0	0.042	1	CSCL1	ATF7IP2
STMN2.12	0.002886	-0.58268	0.119	0.188	1	CSCL1	STMN2
SPOCK1.1C	0.002908	-0.24793	0.025	0.082	1	CSCL1	SPOCK1
STMN4.11	0.002922	-0.58388	0.249	0.307	1	CSCL1	STMN4
CCNDBP1.1	0.002927	-0.24694	0.338	0.202	1	CSCL1	CCNDBP1
CRYBB1.1C	0.00294	-0.21035	0	0.042	1	CSCL1	CRYBB1
FES.12	0.002953	-0.29488	0.025	0.08	1	CSCL1	FES
BCL2L1.5	0.002987	-0.22482	0.438	0.261	1	CSCL1	BCL2L1
LACTB2.5	0.002994	-0.12579	0.244	0.149	1	CSCL1	LACTB2
NKG7.9	0.003018	-0.28065	0.005	0.051	1	CSCL1	NKG7

STAC3.12	0.003025	-0.28883	0.025	0.08	1	CSCL1	STAC3
BET1L.2	0.003047	-0.10323	0.199	0.117	1	CSCL1	BET1L
SRGAP1.8	0.00305	-0.17245	0.363	0.223	1	CSCL1	SRGAP1
DLEU7.11	0.003118	-0.22706	0.005	0.05	1	CSCL1	DLEU7
OAT.3	0.003216	-0.22895	0.388	0.235	1	CSCL1	OAT
CMKLR1.1C	0.003216	-0.21032	0.005	0.05	1	CSCL1	CMKLR1
PPP1R18.1	0.003222	-0.2892	0.493	0.289	1	CSCL1	PPP1R18
TMSB4X.1C	0.003223	-0.24535	1	0.997	1	CSCL1	TMSB4X
B3GAT1.8	0.003292	-0.12031	0.159	0.088	1	CSCL1	B3GAT1
EIF4EBP2.	0.003307	-0.10894	0.234	0.139	1	CSCL1	EIF4EBP2
ELL.8	0.003375	-0.11263	0.174	0.099	1	CSCL1	ELL
STX12.2	0.003388	-0.17008	0.672	0.403	1	CSCL1	STX12
FAIM2.10	0.003404	-0.18583	0.308	0.189	1	CSCL1	FAIM2
RASAL3.11	0.003437	-0.2227	0.01	0.058	1	CSCL1	RASAL3
DDIT4.11	0.003487	-0.62977	0.428	0.408	1	CSCL1	DDIT4
IL17RA.12	0.003492	-0.16244	0.204	0.118	1	CSCL1	IL17RA
POMP.6	0.003505	-0.15631	0.985	0.731	1	CSCL1	POMP
TAF1D.4	0.003528	-0.22586	0.567	0.339	1	CSCL1	TAF1D
LBH.12	0.003671	-0.39536	0.09	0.154	1	CSCL1	LBH
TMEM144.7	0.003675	-0.43026	0.025	0.078	1	CSCL1	TMEM144
SNHG8.6	0.00371	-0.56675	0.532	0.467	1	CSCL1	SNHG8
LY6E.6	0.003748	-0.24723	0.622	0.371	1	CSCL1	LY6E
RP11-834C	0.003766	-0.32274	0.04	0.098	1	CSCL1	RP11-834C11.4
MAL.10	0.003771	-0.26749	0	0.04	1	CSCL1	MAL
UBE2D3.9	0.00378	-0.23355	0.945	0.724	1	CSCL1	UBE2D3
EFNA1.8	0.003808	-0.19384	0.214	0.127	1	CSCL1	EFNA1
MLXIPL.8	0.003811	-0.19503	0	0.04	1	CSCL1	MLXIPL
ADCY7.12	0.003814	-0.25675	0.015	0.064	1	CSCL1	ADCY7
ARHGEF7.9	0.003838	-0.17837	0.264	0.156	1	CSCL1	ARHGEF7
TM7SF2.1C	0.003847	-0.13925	0.378	0.228	1	CSCL1	TM7SF2
LDLRAD4.9	0.00395	-0.42812	0.085	0.147	1	CSCL1	LDLRAD4
DEDD2.6	0.003962	-0.12941	0.279	0.17	1	CSCL1	DEDD2
PLCG2.9	0.003965	-0.22134	0.005	0.048	1	CSCL1	PLCG2
CCL5.7	0.003966	-0.36931	0.01	0.056	1	CSCL1	CCL5
POLK.4	0.003978	-0.16353	0.294	0.178	1	CSCL1	POLK
ACP5.10	0.004004	-0.2127	0.005	0.048	1	CSCL1	ACP5
ARL11.11	0.004013	-0.17673	0	0.04	1	CSCL1	ARL11
GPX3.11	0.004097	-0.25748	0.254	0.151	1	CSCL1	GPX3
SCIMP.12	0.004103	-0.33713	0.03	0.084	1	CSCL1	SCIMP
RNF166.9	0.004112	-0.19766	0.303	0.183	1	CSCL1	RNF166
KCNQ1.11	0.00414	-0.16841	0	0.039	1	CSCL1	KCNQ1
BTG2.8	0.004182	-0.61123	0.552	0.466	1	CSCL1	BTG2
MGMT.11	0.004194	-0.43786	0.09	0.153	1	CSCL1	MGMT
ZNF780A.5	0.004228	-0.10071	0.124	0.067	1	CSCL1	ZNF780A
IGFLR1.9	0.004297	-0.27632	0.01	0.056	1	CSCL1	IGFLR1
CCND3.9	0.004298	-0.27391	0.423	0.257	1	CSCL1	CCND3
TNFAIP8.1	0.004341	-0.29289	0.02	0.07	1	CSCL1	TNFAIP8
DIS3L2.4	0.004356	-0.11447	0.174	0.101	1	CSCL1	DIS3L2
CASP1.10	0.004392	-0.52785	0.169	0.227	1	CSCL1	CASP1
CTB-61M7.	0.004406	-0.20123	0	0.039	1	CSCL1	CTB-61M7.2
IER3IP1.7	0.004406	-0.38372	0	0.039	1	CSCL1	IER3IP1

RAPGEF1.9	0.004471	-0.18053	0.199	0.116	1	CSCL1	RAPGEF1
LYVE1.10	0.004498	-0.29955	0	0.039	1	CSCL1	LYVE1
ISG20L2.7	0.004515	-0.17848	0.363	0.222	1	CSCL1	ISG20L2
SFT2D1.11	0.004519	-0.12757	0.861	0.495	1	CSCL1	SFT2D1
GABARAPL1	0.004538	-0.54709	0.264	0.298	1	CSCL1	GABARAPL1
SLC15A3.1	0.004545	-0.26109	0.02	0.07	1	CSCL1	SLC15A3
ERMN.10	0.004545	-0.35465	0	0.039	1	CSCL1	ERMN
PAQR4.10	0.004608	-0.10404	0.264	0.162	1	CSCL1	PAQR4
CARD9.12	0.004635	-0.24917	0.02	0.07	1	CSCL1	CARD9
TIMP1.9	0.004673	-0.23655	0.891	0.616	1	CSCL1	TIMP1
CD1D.10	0.004738	-0.19702	0	0.038	1	CSCL1	CD1D
NFATC2.9	0.0048	-0.19313	0.005	0.047	1	CSCL1	NFATC2
CIR1.5	0.004844	-0.2228	0.532	0.326	1	CSCL1	CIR1
TUBB4A.12	0.004854	-0.44082	0.06	0.119	1	CSCL1	TUBB4A
BIRC6.3	0.0049	-0.12919	0.294	0.182	1	CSCL1	BIRC6
SELT.5	0.004927	-0.31354	0.905	0.655	1	CSCL1	SELT
GPC2.12	0.004932	-0.15671	0.274	0.166	1	CSCL1	GPC2
NDUFA13.6	0.004944	-0.21995	0.995	0.768	1	CSCL1	NDUFA13
APOL2.7	0.004982	-0.19467	0.169	0.098	1	CSCL1	APOL2
ASCL2.11	0.00499	-0.15192	0	0.038	1	CSCL1	ASCL2
AC109826.	0.00499	-0.18028	0	0.038	1	CSCL1	AC109826.1
MAG.10	0.00499	-0.36773	0	0.038	1	CSCL1	MAG
TNFAIP2.1	0.00502	-0.27616	0.025	0.076	1	CSCL1	TNFAIP2
ACER3.10	0.005023	-0.22551	0.303	0.183	1	CSCL1	ACER3
ADRB2.10	0.005023	-0.23057	0.005	0.047	1	CSCL1	ADRB2
PTPN18.12	0.00506	-0.22089	0.343	0.208	1	CSCL1	PTPN18
PLCB2.12	0.005067	-0.25079	0.015	0.062	1	CSCL1	PLCB2
PDGFB.9	0.005093	-0.22118	0.005	0.046	1	CSCL1	PDGFB
PDCD6IP.1	0.005154	-0.22382	0.473	0.285	1	CSCL1	PDCD6IP
LIMS1.11	0.005171	-0.18669	0.751	0.434	1	CSCL1	LIMS1
CD300LF.1	0.005198	-0.18582	0.005	0.046	1	CSCL1	CD300LF
SELL.8	0.005201	-0.19965	0	0.037	1	CSCL1	SELL
C18orf32.	0.005208	-0.19638	0.378	0.233	1	CSCL1	C18orf32
SLC16A10.	0.005223	-0.39163	0.035	0.088	1	CSCL1	SLC16A10
CD180.11	0.00531	-0.15191	0	0.037	1	CSCL1	CD180
BID.8	0.005322	-0.21238	0.592	0.353	1	CSCL1	BID
RNF149.12	0.005347	-0.57784	0.234	0.271	1	CSCL1	RNF149
UCHL1.10	0.005354	-0.22893	0.721	0.431	1	CSCL1	UCHL1
SLC31A2.1	0.005399	-0.61225	0.139	0.193	1	CSCL1	SLC31A2
MGST1.9	0.005487	-0.77472	0.085	0.146	1	CSCL1	MGST1
STK17B.1C	0.0055	-0.25851	0.224	0.131	1	CSCL1	STK17B
GALC.7	0.005513	-0.10021	0.174	0.101	1	CSCL1	GALC
TWF2.12	0.005522	-0.27507	0.572	0.337	1	CSCL1	TWF2
CTD-2090I	0.005539	-0.45463	0.01	0.054	1	CSCL1	CTD-2090I13.1
EIF5B.7	0.005662	-0.12817	0.896	0.515	1	CSCL1	EIF5B
GMIP.10	0.005676	-0.23003	0.025	0.075	1	CSCL1	GMIP
TLR1.12	0.005684	-0.25057	0.02	0.069	1	CSCL1	TLR1
MAPKAPK3.	0.005688	-0.183	0.279	0.169	1	CSCL1	MAPKAPK3
ENPP2.6	0.005736	-0.27098	0.005	0.045	1	CSCL1	ENPP2
UNC93B1.1	0.005745	-0.44582	0.144	0.202	1	CSCL1	UNC93B1
TEX264.4	0.005747	-0.25576	0.672	0.391	1	CSCL1	TEX264

RNF213.11	0.005889	-0.26608	0.428	0.258	1	CSCL1	RNF213
CALHM2.9	0.005955	-0.19675	0.015	0.061	1	CSCL1	CALHM2
MOBP.11	0.006015	-0.3161	0	0.036	1	CSCL1	MOBP
SMIM3.8	0.006015	-0.41177	0	0.036	1	CSCL1	SMIM3
P2RX4.11	0.006082	-0.24991	0.289	0.175	1	CSCL1	P2RX4
CD52.10	0.00612	-0.36087	0.01	0.053	1	CSCL1	CD52
STAT6.12	0.006129	-0.22882	0.01	0.053	1	CSCL1	STAT6
GTF2IRD2.	0.00618	-0.12489	0.194	0.115	1	CSCL1	GTF2IRD2
TBC1D15.1	0.006182	-0.15849	0.264	0.162	1	CSCL1	TBC1D15
SLC29A3.7	0.006217	-0.18343	0.005	0.045	1	CSCL1	SLC29A3
JPH4.9	0.006232	-0.18125	0.015	0.061	1	CSCL1	JPH4
BACE1.7	0.006248	-0.10162	0.194	0.117	1	CSCL1	BACE1
HNRNPK.8	0.006293	-0.1338	1	0.785	1	CSCL1	HNRNPK
NDRG2.8	0.006315	-0.55524	0.338	0.359	1	CSCL1	NDRG2
PRKCH.9	0.006404	-0.208	0.005	0.044	1	CSCL1	PRKCH
RASGRP2.7	0.006452	-0.18852	0.01	0.052	1	CSCL1	RASGRP2
GRINA.7	0.006476	-0.17705	0.766	0.431	1	CSCL1	GRINA
GBP2.9	0.006539	-0.54586	0.154	0.209	1	CSCL1	GBP2
GRASP.10	0.006548	-0.23402	0.01	0.052	1	CSCL1	GRASP
IFI27L2.5	0.006548	-0.57821	0.552	0.47	1	CSCL1	IFI27L2
RASSF5.11	0.006552	-0.37714	0.065	0.12	1	CSCL1	RASSF5
SDS.12	0.00666	-0.3171	0.015	0.059	1	CSCL1	SDS
HOXA9.8	0.006673	-0.12208	0	0.035	1	CSCL1	HOXA9
IRF5.12	0.00673	-0.23509	0.015	0.06	1	CSCL1	IRF5
HSPA6.7	0.006764	-0.41884	0.045	0.1	1	CSCL1	HSPA6
RALB.9	0.006767	-0.16483	0.254	0.155	1	CSCL1	RALB
USP36.8	0.006818	-0.13755	0.224	0.137	1	CSCL1	USP36
ETV3.10	0.00683	-0.11132	0.134	0.075	1	CSCL1	ETV3
CD7.9	0.006884	-0.2622	0.005	0.044	1	CSCL1	CD7
ADAM8.10	0.006889	-0.18904	0.005	0.044	1	CSCL1	ADAM8
ICAM2.11	0.006956	-0.17359	0	0.035	1	CSCL1	ICAM2
CAPN3.9	0.00703	-0.29665	0.005	0.044	1	CSCL1	CAPN3
ACSL5.11	0.007102	-0.14466	0	0.035	1	CSCL1	ACSL5
TAL1.8	0.007102	-0.17608	0	0.035	1	CSCL1	TAL1
TNF.9	0.007109	-0.21986	0.005	0.044	1	CSCL1	TNF
SLC25A3.5	0.007139	-0.18246	0.975	0.742	1	CSCL1	SLC25A3
NDUFA7.8	0.007342	-0.37761	0.005	0.043	1	CSCL1	NDUFA7
PIAS1.6	0.007395	-0.19824	0.254	0.157	1	CSCL1	PIAS1
SMAD7.7	0.007403	-0.13856	0	0.034	1	CSCL1	SMAD7
CNDP1.10	0.007403	-0.26782	0	0.034	1	CSCL1	CNDP1
TFRC.10	0.007455	-0.44092	0.154	0.21	1	CSCL1	TFRC
UGCG.5	0.007467	-0.13528	0.254	0.156	1	CSCL1	UGCG
ZNF467.9	0.00748	-0.1307	0	0.034	1	CSCL1	ZNF467
MIR7-3HG.	0.007558	-0.17922	0	0.034	1	CSCL1	MIR7-3HG
TMC8.10	0.007572	-0.18003	0.005	0.043	1	CSCL1	TMC8
DENND1C.1	0.007637	-0.16186	0	0.034	1	CSCL1	DENND1C
NFE2L2.8	0.007684	-0.11731	0.816	0.462	1	CSCL1	NFE2L2
CCDC91.6	0.007736	-0.17035	0.308	0.195	1	CSCL1	CCDC91
DPEP2.10	0.007798	-0.1735	0	0.034	1	CSCL1	DPEP2
CD63.11	0.007807	-0.30181	0.975	0.924	1	CSCL1	CD63
DERA.6	0.007847	-0.22326	0.393	0.249	1	CSCL1	DERA



SPINT1.11	0.007879	-0.13087	0	0.034	1	CSCL1	SPINT1
RBM23.4	0.007901	-0.23756	0.418	0.262	1	CSCL1	RBM23
LONP2.7	0.007929	-0.16184	0.388	0.246	1	CSCL1	LONP2
ATP6V1H.4	0.007979	-0.25735	0.527	0.319	1	CSCL1	ATP6V1H
BEX2.11	0.00799	-0.50658	0.209	0.258	1	CSCL1	BEX2
GBP1.7	0.008025	-0.17227	0.239	0.152	1	CSCL1	GBP1
RP11-161M	0.008129	-0.22174	0.269	0.165	1	CSCL1	RP11-161M6.2
ABR.7	0.00814	-0.16328	0.234	0.144	1	CSCL1	ABR
GBGT1.11	0.008177	-0.17604	0.01	0.051	1	CSCL1	GBGT1
MPEG1.10	0.008232	-0.15802	0.005	0.043	1	CSCL1	MPEG1
NINJ1.12	0.008274	-0.61206	0.542	0.45	1	CSCL1	NINJ1
UQCRC2.5	0.008281	-0.12335	0.861	0.507	1	CSCL1	UQCRC2
CBWD5.4	0.008292	-0.15694	0.199	0.12	1	CSCL1	CBWD5
MMP14.9	0.008302	-0.2082	0.348	0.22	1	CSCL1	MMP14
TXNIP.7	0.008332	-0.2341	0.741	0.441	1	CSCL1	TXNIP
MAN2B1.8	0.008453	-0.1021	0.119	0.066	1	CSCL1	MAN2B1
FAM13A.4	0.008471	-0.12076	0.164	0.097	1	CSCL1	FAM13A
KCNN4.8	0.008474	-0.12281	0	0.033	1	CSCL1	KCNN4
DDX18.4	0.008551	-0.13714	0.831	0.495	1	CSCL1	DDX18
ATP5E.9	0.008561	-0.18145	0.995	0.912	1	CSCL1	ATP5E
ACSM5.7	0.008563	-0.17017	0	0.033	1	CSCL1	ACSM5
CNOT6L.3	0.008565	-0.10936	0.179	0.107	1	CSCL1	CNOT6L
CYB5A.7	0.00862	-0.26656	0.557	0.338	1	CSCL1	CYB5A
CLEC9A.1C	0.008652	-0.21253	0	0.033	1	CSCL1	CLEC9A
LTB.7	0.008743	-0.1935	0	0.033	1	CSCL1	LTB
GREM1.4	0.008743	-0.279	0	0.033	1	CSCL1	GREM1
ST3GAL6.1	0.00885	-0.37871	0.06	0.112	1	CSCL1	ST3GAL6
SYNDIG1.9	0.00888	-0.28273	0.04	0.09	1	CSCL1	SYNDIG1
CPED1.9	0.008926	-0.14319	0	0.033	1	CSCL1	CPED1
SP140L.8	0.008932	-0.13449	0.134	0.077	1	CSCL1	SP140L
BDH2.5	0.00899	-0.1897	0.224	0.14	1	CSCL1	BDH2
PLBD1.12	0.009041	-0.31541	0.045	0.095	1	CSCL1	PLBD1
TLR4.10	0.009158	-0.17616	0.005	0.042	1	CSCL1	TLR4
PEPD.3	0.009297	-0.21058	0.736	0.424	1	CSCL1	PEPD
DICER1.3	0.009322	-0.1465	0.274	0.173	1	CSCL1	DICER1
CELF2.12	0.009338	-0.26828	0.637	0.379	1	CSCL1	CELF2
C1QTNF4.9	0.009389	-0.15547	0.015	0.057	1	CSCL1	C1QTNF4
SEP15.5	0.00939	-0.27276	0.905	0.652	1	CSCL1	15-Sep
WIPF1.12	0.009451	-0.28355	0.353	0.217	1	CSCL1	WIPF1
IL2RA.10	0.009502	-0.23461	0	0.032	1	CSCL1	IL2RA
ROB03.3	0.009636	-0.14659	0.189	0.115	1	CSCL1	ROB03
ZCCHC6.1C	0.009648	-0.17666	0.219	0.134	1	CSCL1	ZCCHC6
MFSD7.10	0.009701	-0.11905	0	0.032	1	CSCL1	MFSD7
TP53TG1.5	0.00975	-0.25742	0.308	0.195	1	CSCL1	TP53TG1
COR01B.1C	0.009815	-0.22982	0.597	0.357	1	CSCL1	COR01B
OTOA.9	0.009905	-0.13671	0	0.032	1	CSCL1	OTOA
GNG7.11	0.009941	-0.29013	0.478	0.296	1	CSCL1	GNG7
UBE2C.13	0	1.686765	0.737	0.092	0	CSCL2	UBE2C
TOP2A.12	0	1.6532	0.702	0.061	0	CSCL2	TOP2A
NUSAP1.12	0	1.578214	0.726	0.079	0	CSCL2	NUSAP1
PBK.13	0	1.559586	0.704	0.048	0	CSCL2	PBK

CENPF. 12	0	1.491724	0.656	0.079	0	CSCL2	CENPF
BIRC5. 13	0	1.448877	0.7	0.081	0	CSCL2	BIRC5
UBE2T. 12	0	1.443938	0.737	0.102	0	CSCL2	UBE2T
RRM2. 12	0	1.344805	0.589	0.041	0	CSCL2	RRM2
MAD2L1. 9	0	1.335075	0.733	0.104	0	CSCL2	MAD2L1
CDK1. 10	0	1.324925	0.625	0.075	0	CSCL2	CDK1
KIAA0101.	0	1.287579	0.667	0.095	0	CSCL2	KIAA0101
FAM64A. 13	0	1.275822	0.561	0.049	0	CSCL2	FAM64A
CENPU. 11	0	1.270843	0.678	0.082	0	CSCL2	CENPU
SGOL1. 11	0	1.217085	0.583	0.036	0	CSCL2	SGOL1
NUF2. 13	0	1.156642	0.517	0.044	0	CSCL2	NUF2
SPC25. 11	0	1.149141	0.503	0.044	0	CSCL2	SPC25
MKI67. 12	0	1.118242	0.486	0.046	0	CSCL2	MKI67
AURKB. 12	0	1.118086	0.466	0.032	0	CSCL2	AURKB
ORC6. 9	0	1.067909	0.592	0.071	0	CSCL2	ORC6
HJURP. 11	0	0.98655	0.377	0.026	0	CSCL2	HJURP
CKAP2L. 12	0	0.980957	0.428	0.03	0	CSCL2	CKAP2L
CDT1. 8	0	0.952533	0.477	0.044	0	CSCL2	CDT1
CDCA5. 9	0	0.880308	0.404	0.031	0	CSCL2	CDCA5
PKMYT1. 7	0	0.84117	0.426	0.027	0	CSCL2	PKMYT1
ESCO2. 3	0	0.777612	0.364	0.021	0	CSCL2	ESCO2
FOXM1. 9	#####	0.89038	0.428	0.037	#####	CSCL2	FOXM1
CDC45. 5	#####	0.758057	0.347	0.023	#####	CSCL2	CDC45
KIFC1. 10	#####	0.929065	0.453	0.043	#####	CSCL2	KIFC1
XRCC2. 3	#####	0.792321	0.375	0.028	#####	CSCL2	XRCC2
TYMS. 10	#####	1.263509	0.724	0.138	#####	CSCL2	TYMS
TPX2. 12	#####	1.170757	0.532	0.064	#####	CSCL2	TPX2
ZWINT. 9	#####	1.041917	0.57	0.073	#####	CSCL2	ZWINT
NCAPH. 4	#####	0.766442	0.342	0.023	#####	CSCL2	NCAPH
PRC1. 12	#####	1.186119	0.543	0.068	#####	CSCL2	PRC1
CLSPN. 8	#####	0.914131	0.457	0.046	#####	CSCL2	CLSPN
GTSE1. 9	#####	0.941738	0.435	0.042	#####	CSCL2	GTSE1
CCNA2. 11	#####	0.977092	0.428	0.041	#####	CSCL2	CCNA2
CENPK. 9	#####	1.036296	0.57	0.08	#####	CSCL2	CENPK
ASF1B. 9	#####	0.915383	0.444	0.045	#####	CSCL2	ASF1B
NDC80. 10	#####	1.003497	0.391	0.034	#####	CSCL2	NDC80
CENPM. 12	#####	0.980968	0.492	0.057	#####	CSCL2	CENPM
SMC4. 10	#####	1.325333	0.786	0.189	#####	CSCL2	SMC4
C21orf58.	#####	0.79247	0.402	0.039	#####	CSCL2	C21orf58
CENPH. 8	#####	1.035456	0.625	0.106	#####	CSCL2	CENPH
MXD3. 11	#####	0.928525	0.435	0.048	#####	CSCL2	MXD3
GINS2. 8	#####	1.045428	0.545	0.082	#####	CSCL2	GINS2
MELK. 8	#####	0.817307	0.366	0.033	#####	CSCL2	MELK
DTL. 1	#####	0.59147	0.26	0.015	#####	CSCL2	DTL
NCAPG. 10	#####	0.785331	0.342	0.029	#####	CSCL2	NCAPG
CCNB2. 11	#####	1.08401	0.428	0.049	#####	CSCL2	CCNB2
FAM111B. 1	#####	0.628435	0.272	0.017	#####	CSCL2	FAM111B
KIF15. 2	#####	0.66527	0.3	0.023	#####	CSCL2	KIF15
E2F1. 7	#####	0.786775	0.386	0.041	#####	CSCL2	E2F1
ATAD2. 8	#####	0.865257	0.453	0.061	#####	CSCL2	ATAD2
RAD51. 2	#####	0.590919	0.269	0.018	#####	CSCL2	RAD51

CDCA8.10	#####	0.889598	0.318	0.028	#####	CSCL2	CDCA8
RAD51AP1.	#####	0.848664	0.417	0.052	#####	CSCL2	RAD51AP1
EZH2.12	#####	1.022874	0.638	0.134	#####	CSCL2	EZH2
MND1.6	#####	0.710032	0.336	0.033	#####	CSCL2	MND1
CDKN3.12	#####	1.207832	0.49	0.076	#####	CSCL2	CDKN3
SGOL2.11	#####	1.035777	0.481	0.074	#####	CSCL2	SGOL2
MYBL2.9	#####	0.721296	0.333	0.033	#####	CSCL2	MYBL2
ECT2.9	#####	0.810595	0.351	0.037	#####	CSCL2	ECT2
SPC24.10	#####	0.81768	0.349	0.037	#####	CSCL2	SPC24
ASPM.12	#####	0.906343	0.34	0.035	#####	CSCL2	ASPM
LMNB1.11	#####	1.039316	0.618	0.131	#####	CSCL2	LMNB1
SKA3.2	#####	0.583066	0.294	0.026	#####	CSCL2	SKA3
KIF2C.11	#####	0.804429	0.322	0.032	#####	CSCL2	KIF2C
E2F2.1	#####	0.364529	0.155	0.005	#####	CSCL2	E2F2
PTTG1.11	#####	1.348007	0.74	0.21	#####	CSCL2	PTTG1
SMC2.9	#####	1.029302	0.693	0.18	#####	CSCL2	SMC2
HMGB2.12	#####	1.084286	0.951	0.476	#####	CSCL2	HMGB2
CENPN.9	#####	0.922244	0.461	0.072	#####	CSCL2	CENPN
TK1.10	#####	0.793082	0.417	0.057	#####	CSCL2	TK1
CDC6.2	#####	0.613091	0.276	0.024	#####	CSCL2	CDC6
CDCA3.11	#####	0.964471	0.347	0.04	#####	CSCL2	CDCA3
ZNF367.2	#####	0.5423	0.252	0.02	#####	CSCL2	ZNF367
HELLS.5	#####	0.770698	0.382	0.051	#####	CSCL2	HELLS
EXO1.2	#####	0.414819	0.185	0.01	#####	CSCL2	EXO1
WDR62.1	#####	0.490392	0.227	0.017	#####	CSCL2	WDR62
MCM10.2	#####	0.423791	0.216	0.015	#####	CSCL2	MCM10
HES6.11	#####	1.117565	0.779	0.266	#####	CSCL2	HES6
MCM2.4	#####	0.737401	0.377	0.053	#####	CSCL2	MCM2
RFC3.7	#####	0.803654	0.442	0.073	#####	CSCL2	RFC3
FBXO5.7	#####	0.910089	0.455	0.082	#####	CSCL2	FBXO5
SPAG5.7	#####	0.716398	0.302	0.034	#####	CSCL2	SPAG5
CENPE.11	#####	0.947231	0.338	0.044	#####	CSCL2	CENPE
TACC3.9	#####	0.802928	0.411	0.064	#####	CSCL2	TACC3
RAD54L.2	#####	0.392064	0.185	0.012	#####	CSCL2	RAD54L
PSMC3IP.9	#####	0.735722	0.384	0.058	#####	CSCL2	PSMC3IP
MCM7.12	#####	1.061216	0.711	0.236	#####	CSCL2	MCM7
HMGB3.12	#####	1.019201	0.766	0.259	#####	CSCL2	HMGB3
RACGAP1.6	#####	0.865534	0.415	0.07	#####	CSCL2	RACGAP1
WDR76.3	#####	0.662533	0.329	0.043	#####	CSCL2	WDR76
FANCI.7	#####	0.625435	0.302	0.036	#####	CSCL2	FANCI
H2AFX.9	#####	1.027276	0.664	0.201	#####	CSCL2	H2AFX
NEK2.8	#####	0.731227	0.252	0.025	#####	CSCL2	NEK2
FAM83D.4	#####	0.721985	0.258	0.026	#####	CSCL2	FAM83D
MCM4.10	#####	0.800945	0.442	0.082	#####	CSCL2	MCM4
FBLN1.11	#####	0.764913	0.428	0.071	#####	CSCL2	FBLN1
CHEK1.6	#####	0.727936	0.404	0.067	#####	CSCL2	CHEK1
AC004381.	#####	0.524615	0.225	0.019	#####	CSCL2	AC004381.6
ASCL1.11	#####	0.927806	0.638	0.167	#####	CSCL2	ASCL1
RNASEH2A.	#####	0.938247	0.662	0.193	#####	CSCL2	RNASEH2A
FEN1.6	#####	0.905244	0.532	0.12	#####	CSCL2	FEN1
CCNB1.11	#####	1.130568	0.426	0.077	#####	CSCL2	CCNB1

KIF23. 8	#####	0. 6808	0. 274	0. 03	#####	CSCL2	KIF23
GGH. 10	#####	0. 942199	0. 74	0. 244	#####	CSCL2	GGH
CDCA4. 8	#####	0. 817969	0. 419	0. 075	#####	CSCL2	CDCA4
CDC20. 10	#####	1. 034455	0. 366	0. 056	#####	CSCL2	CDC20
CASC5. 2	#####	0. 514744	0. 236	0. 022	#####	CSCL2	CASC5
OIP5. 6	#####	0. 675808	0. 278	0. 032	#####	CSCL2	OIP5
TMSB15A. 1	#####	0. 894156	0. 62	0. 161	#####	CSCL2	TMSB15A
CCNE2. 9	#####	0. 703958	0. 338	0. 047	#####	CSCL2	CCNE2
CHAF1A. 7	#####	0. 735028	0. 417	0. 076	#####	CSCL2	CHAF1A
CENPA. 11	#####	0. 799963	0. 302	0. 039	#####	CSCL2	CENPA
NMU. 1	#####	0. 661295	0. 225	0. 021	#####	CSCL2	NMU
TRIP13. 3	#####	0. 560154	0. 291	0. 036	#####	CSCL2	TRIP13
HIST1H4C.	#####	1. 119486	0. 83	0. 408	#####	CSCL2	HIST1H4C
RTKN2. 1	#####	0. 536287	0. 247	0. 026	#####	CSCL2	RTKN2
DHFR. 9	#####	0. 8871	0. 536	0. 135	#####	CSCL2	DHFR
CDC25C. 2	#####	0. 531101	0. 194	0. 015	#####	CSCL2	CDC25C
RFC4. 9	#####	0. 849268	0. 558	0. 14	#####	CSCL2	RFC4
TMPO. 11	#####	0. 856579	0. 625	0. 176	#####	CSCL2	TMPO
CKAP2. 10	#####	1. 010304	0. 574	0. 153	#####	CSCL2	CKAP2
TENM3. 1	#####	0. 411045	0. 196	0. 016	#####	CSCL2	TENM3
GMNN. 10	#####	0. 809875	0. 594	0. 16	#####	CSCL2	GMNN
FANCD2. 2	#####	0. 525651	0. 254	0. 028	#####	CSCL2	FANCD2
DBF4. 10	#####	0. 871753	0. 481	0. 106	#####	CSCL2	DBF4
BEST3. 10	#####	0. 821407	0. 408	0. 074	#####	CSCL2	BEST3
KIF4A. 3	#####	0. 6155	0. 241	0. 026	#####	CSCL2	KIF4A
SHCBP1. 9	#####	0. 651645	0. 307	0. 043	#####	CSCL2	SHCBP1
SKA1. 2	#####	0. 610622	0. 221	0. 022	#####	CSCL2	SKA1
KIF20A. 2	#####	0. 544117	0. 212	0. 02	#####	CSCL2	KIF20A
TROAP. 11	#####	0. 723344	0. 283	0. 037	#####	CSCL2	TROAP
TIMELESS.	#####	0. 657239	0. 331	0. 051	#####	CSCL2	TIMELESS
C16orf59.	#####	0. 582202	0. 276	0. 035	#####	CSCL2	C16orf59
POC1A. 8	#####	0. 698887	0. 313	0. 046	#####	CSCL2	POC1A
PHGDH. 11	#####	0. 857833	0. 629	0. 182	#####	CSCL2	PHGDH
PCNA. 9	#####	0. 934202	0. 737	0. 298	#####	CSCL2	PCNA
VIPR2. 11	#####	0. 708537	0. 393	0. 07	#####	CSCL2	VIPR2
PCSK2. 8	#####	0. 477839	0. 21	0. 02	#####	CSCL2	PCSK2
DLGAP5. 11	#####	0. 66685	0. 238	0. 027	#####	CSCL2	DLGAP5
TTK. 2	#####	0. 636373	0. 205	0. 02	#####	CSCL2	TTK
BUB1. 7	#####	0. 713951	0. 254	0. 032	#####	CSCL2	BUB1
SHD. 11	#####	0. 721419	0. 497	0. 111	#####	CSCL2	SHD
H2AFZ. 6	#####	0. 629537	0. 974	0. 73	#####	CSCL2	H2AFZ
TUBB. 11	#####	0. 568065	0. 993	0. 762	#####	CSCL2	TUBB
NCAPG2. 6	#####	0. 566288	0. 325	0. 053	#####	CSCL2	NCAPG2
H2AFV. 10	#####	0. 784448	0. 881	0. 508	#####	CSCL2	H2AFV
STMN1. 12	#####	0. 745392	0. 993	0. 616	#####	CSCL2	STMN1
ARHGAP11E	#####	0. 528362	0. 247	0. 03	#####	CSCL2	ARHGAP11B
ARHGAP11A	#####	0. 600762	0. 245	0. 03	#####	CSCL2	ARHGAP11A
MCM3. 7	#####	0. 791562	0. 501	0. 128	#####	CSCL2	MCM3
FANCA. 4	#####	0. 579774	0. 309	0. 048	#####	CSCL2	FANCA
DEPDC1B. 4	#####	0. 540164	0. 234	0. 028	#####	CSCL2	DEPDC1B
CENPO. 2	#####	0. 5259	0. 26	0. 035	#####	CSCL2	CENPO

CKS2.12	#####	0.916885	0.79	0.349	#####	CSCL2	CKS2
CNPY1.11	#####	0.607132	0.36	0.066	#####	CSCL2	CNPY1
BARD1.9	#####	0.796376	0.501	0.132	#####	CSCL2	BARD1
RP11-676J	#####	0.456912	0.216	0.024	#####	CSCL2	RP11-676J15.1
TCF19.3	#####	0.567362	0.272	0.039	#####	CSCL2	TCF19
C19orf48.	#####	0.838992	0.618	0.211	#####	CSCL2	C19orf48
CDC25A.1	#####	0.367953	0.177	0.016	#####	CSCL2	CDC25A
KIF18B.2	#####	0.365319	0.177	0.016	#####	CSCL2	KIF18B
ATAD5.6	#####	0.643064	0.344	0.064	#####	CSCL2	ATAD5
CDCA7L.8	#####	0.739278	0.499	0.135	#####	CSCL2	CDCA7L
TUBA1B.8	#####	0.463481	1	0.891	#####	CSCL2	TUBA1B
DSN1.6	#####	0.683211	0.397	0.088	#####	CSCL2	DSN1
CDCA2.2	#####	0.500014	0.208	0.024	#####	CSCL2	CDCA2
BRCA2.5	#####	0.527692	0.26	0.037	#####	CSCL2	BRCA2
CCDC34.9	#####	0.881675	0.523	0.153	#####	CSCL2	CCDC34
BUB1B.2	#####	0.435713	0.185	0.019	#####	CSCL2	BUB1B
VRK1.5	#####	0.661629	0.402	0.089	#####	CSCL2	VRK1
DIAPH3.2	#####	0.481335	0.21	0.025	#####	CSCL2	DIAPH3
BRCA1.3	#####	0.530687	0.285	0.047	#####	CSCL2	BRCA1
DEK.9	#####	0.761564	0.799	0.451	#####	CSCL2	DEK
DTYMK.12	#####	0.805735	0.724	0.314	#####	CSCL2	DTYMK
ASRGL1.11	#####	0.75017	0.574	0.186	#####	CSCL2	ASRGL1
RMI2.2	#####	0.467974	0.23	0.031	#####	CSCL2	RMI2
RRM1.9	#####	0.765784	0.545	0.171	1.16E-99	CSCL2	RRM1
CEP152.2	#####	0.420643	0.208	0.025	2.58E-99	CSCL2	CEP152
CKB.13	#####	0.695544	0.954	0.567	2.91E-99	CSCL2	CKB
HMGB1.7	#####	0.396336	0.987	0.856	4.62E-98	CSCL2	HMGB1
SYNE2.12	#####	0.690726	0.53	0.16	1.89E-97	CSCL2	SYNE2
SOX2.13	#####	0.742581	0.848	0.413	6.98E-97	CSCL2	SOX2
CEP135.6	#####	0.740491	0.336	0.07	1.27E-96	CSCL2	CEP135
LMO1.11	#####	0.649131	0.331	0.064	3.20E-96	CSCL2	LMO1
EME1.2	#####	0.371079	0.177	0.019	4.47E-96	CSCL2	EME1
CENPW.9	#####	0.694941	0.428	0.105	6.03E-96	CSCL2	CENPW
B4GALNT1.	1.39E-99	0.910351	0.464	0.13	2.08E-95	CSCL2	B4GALNT1
CDK2.7	7.25E-99	0.666193	0.344	0.073	1.08E-94	CSCL2	CDK2
NUDT1.6	7.96E-99	0.697406	0.757	0.334	1.19E-94	CSCL2	NUDT1
RANBP1.12	8.36E-99	0.730231	0.901	0.565	1.25E-94	CSCL2	RANBP1
GLCCI1.11	7.75E-98	0.693009	0.492	0.138	1.16E-93	CSCL2	GLCCI1
UBE2S.10	1.80E-97	1.003244	0.704	0.33	2.68E-93	CSCL2	UBE2S
MMS22L.4	1.83E-97	0.534389	0.296	0.054	2.74E-93	CSCL2	MMS22L
RASL11B.1	9.93E-97	0.611975	0.272	0.045	1.48E-92	CSCL2	RASL11B
KIF11.2	1.34E-96	0.430216	0.192	0.023	2.01E-92	CSCL2	KIF11
DSEL.13	2.71E-96	0.799828	0.592	0.21	4.05E-92	CSCL2	DSEL
LIG1.3	2.82E-95	0.569241	0.313	0.062	4.21E-91	CSCL2	LIG1
NPC2.12	5.17E-95	-1.38852	0.263	0.709	7.73E-91	CSCL2	NPC2
TFAP2B.8	9.60E-95	0.38311	0.19	0.023	1.44E-90	CSCL2	TFAP2B
E2F8.2	1.57E-94	0.295752	0.115	0.008	2.35E-90	CSCL2	E2F8
TUBB2B.12	1.46E-93	0.619787	0.965	0.538	2.19E-89	CSCL2	TUBB2B
RFC5.5	7.13E-93	0.595376	0.351	0.079	1.07E-88	CSCL2	RFC5
PLK4.2	1.74E-92	0.364903	0.17	0.019	2.60E-88	CSCL2	PLK4
MCM6.3	1.88E-92	0.637368	0.355	0.082	2.81E-88	CSCL2	MCM6

PITX2.3	5.45E-92	0.357547	0.185	0.022	8.15E-88	CSCL2	PITX2
POLA2.3	5.71E-92	0.454143	0.258	0.044	8.53E-88	CSCL2	POLA2
NPY.1	2.24E-91	0.477034	0.15	0.015	3.35E-87	CSCL2	NPY
RPA3.8	1.29E-90	0.709207	0.733	0.327	1.93E-86	CSCL2	RPA3
S100A11.1	2.67E-90	-1.36477	0.225	0.674	3.99E-86	CSCL2	S100A11
DNAJC9.7	7.29E-90	0.637098	0.492	0.149	1.09E-85	CSCL2	DNAJC9
KIAA1524.8	7.77E-90	0.570382	0.247	0.042	1.31E-85	CSCL2	KIAA1524
PSIP1.10	3.36E-89	0.760262	0.744	0.369	5.01E-85	CSCL2	PSIP1
CDKN2C.9	5.64E-88	0.855562	0.642	0.268	8.43E-84	CSCL2	CDKN2C
APOLD1.5	6.15E-88	0.568272	0.243	0.041	9.19E-84	CSCL2	APOLD1
ZNF273.11	6.39E-88	0.537226	0.336	0.074	9.55E-84	CSCL2	ZNF273
PLK1.10	1.25E-87	0.828985	0.258	0.046	1.86E-83	CSCL2	PLK1
TMEM100.1	2.30E-87	0.501926	0.353	0.078	3.43E-83	CSCL2	TMEM100
CENPV.12	2.58E-86	0.716603	0.611	0.241	3.85E-82	CSCL2	CENPV
KLHL23.11	2.71E-86	0.66425	0.481	0.148	4.05E-82	CSCL2	KLHL23
RP11-849I	3.17E-86	0.667733	0.428	0.12	4.74E-82	CSCL2	RP11-849I19.1
GSX1.1	4.72E-86	0.343371	0.155	0.016	7.06E-82	CSCL2	GSX1
NFIB.11	9.69E-85	0.687403	0.779	0.362	1.45E-80	CSCL2	NFIB
NEURL1B.2	1.35E-84	0.41809	0.183	0.024	2.02E-80	CSCL2	NEURL1B
CDKN2A.7	2.01E-84	0.778363	0.366	0.092	3.00E-80	CSCL2	CDKN2A
HMMR.8	3.08E-84	0.566404	0.214	0.033	4.60E-80	CSCL2	HMMR
PARPBP.3	9.65E-84	0.512935	0.23	0.038	1.44E-79	CSCL2	PARPBP
AGAP2-AS1	1.18E-83	0.761846	0.349	0.085	1.76E-79	CSCL2	AGAP2-AS1
KPNA2.9	1.37E-83	0.833607	0.711	0.341	2.04E-79	CSCL2	KPNA2
STIL.2	2.35E-83	0.31471	0.139	0.014	3.52E-79	CSCL2	STIL
SFRP2.1	3.57E-83	0.21182	0.091	0.005	5.33E-79	CSCL2	SFRP2
HOXA10.12	4.51E-83	0.539784	0.316	0.068	6.75E-79	CSCL2	HOXA10
XRCC6BP1.9	7.07E-82	0.627024	0.313	0.071	1.45E-77	CSCL2	XRCC6BP1
ZWILCH.6	1.08E-81	0.515986	0.305	0.066	1.61E-77	CSCL2	ZWILCH
NUP107.11	1.11E-81	0.928551	0.543	0.21	1.66E-77	CSCL2	NUP107
CCND2.13	3.11E-81	0.751476	0.671	0.313	4.64E-77	CSCL2	CCND2
CKS1B.8	3.20E-81	0.79746	0.6	0.245	4.78E-77	CSCL2	CKS1B
CCDC150.1	5.49E-81	0.298599	0.141	0.015	8.21E-77	CSCL2	CCDC150
YEATS4.1C	5.94E-81	0.947572	0.576	0.238	8.88E-77	CSCL2	YEATS4
DLL3.11	7.27E-81	0.669082	0.455	0.131	1.09E-76	CSCL2	DLL3
PRIM1.8	9.79E-81	0.563062	0.318	0.072	1.46E-76	CSCL2	PRIM1
MIS18A.7	1.08E-80	0.590821	0.369	0.095	1.62E-76	CSCL2	MIS18A
HOXB2.9	1.11E-80	0.541595	0.329	0.074	1.67E-76	CSCL2	HOXB2
LRR1.6	1.35E-80	0.623254	0.327	0.077	2.02E-76	CSCL2	LRR1
NASP.7	3.13E-80	0.655873	0.751	0.395	4.68E-76	CSCL2	NASP
BCAN.13	3.33E-80	0.771661	0.634	0.261	4.98E-76	CSCL2	BCAN
OLIG2.12	3.72E-80	0.673947	0.501	0.165	5.55E-76	CSCL2	OLIG2
CCNF.5	7.84E-80	0.442098	0.199	0.03	1.17E-75	CSCL2	CCNF
WDR34.9	2.91E-79	0.706735	0.523	0.194	4.35E-75	CSCL2	WDR34
DEPDC1.5	4.75E-79	0.503348	0.194	0.029	7.10E-75	CSCL2	DEPDC1
KIF18A.1	9.52E-79	0.322939	0.163	0.021	1.42E-74	CSCL2	KIF18A
GINS1.6	1.62E-78	0.527128	0.245	0.047	2.42E-74	CSCL2	GINS1
AC009506.2	4.4E-78	0.522583	0.313	0.071	3.64E-74	CSCL2	AC009506.1
HIST1H1D.5	9.2E-78	0.466438	0.166	0.021	8.85E-74	CSCL2	HIST1H1D
TEX30.7	7.24E-78	0.645356	0.468	0.153	1.08E-73	CSCL2	TEX30
CRNDE.8	7.41E-78	0.724591	0.479	0.167	1.11E-73	CSCL2	CRNDE

ZNF680.1C	1.97E-77	0.629252	0.486	0.161	2.94E-73	CSCL2	ZNF680
ODC1.12	2.13E-77	0.69787	0.709	0.381	3.18E-73	CSCL2	ODC1
SEZ6.11	4.01E-77	0.717001	0.419	0.128	5.99E-73	CSCL2	SEZ6
MTFR2.2	7.06E-77	0.363819	0.135	0.014	1.06E-72	CSCL2	MTFR2
USP1.10	9.84E-77	0.647334	0.594	0.245	1.47E-72	CSCL2	USP1
DLL1.7	3.01E-76	0.511654	0.291	0.062	4.49E-72	CSCL2	DLL1
TSPAN12.1	3.73E-76	0.652185	0.384	0.11	5.57E-72	CSCL2	TSPAN12
RFC2.6	1.62E-75	0.657654	0.578	0.228	2.43E-71	CSCL2	RFC2
LHFPL3.13	1.87E-75	0.682565	0.38	0.109	2.80E-71	CSCL2	LHFPL3
SAT1.11	4.15E-75	-0.92338	0.563	0.812	6.20E-71	CSCL2	SAT1
KIF20B.9	5.42E-75	0.583926	0.325	0.078	8.10E-71	CSCL2	KIF20B
ETV1.13	2.56E-74	0.811364	0.552	0.232	3.83E-70	CSCL2	ETV1
HMG2.4	2.95E-74	0.649334	0.843	0.623	4.41E-70	CSCL2	HMG2
RAD21.11	3.49E-74	0.674746	0.711	0.352	5.21E-70	CSCL2	RAD21
RECQL4.2	4.20E-74	0.379712	0.177	0.026	6.27E-70	CSCL2	RECQL4
GINS3.2	6.10E-74	0.342548	0.188	0.029	9.12E-70	CSCL2	GINS3
KIF22.8	1.10E-73	0.599707	0.521	0.184	1.64E-69	CSCL2	KIF22
YBX1.9	1.12E-73	0.41671	0.943	0.756	1.68E-69	CSCL2	YBX1
TMEM237.1	4.59E-73	0.589673	0.492	0.174	6.86E-69	CSCL2	TMEM237
MCM8.2	4.65E-73	0.3918	0.201	0.034	6.95E-69	CSCL2	MCM8
NRXN1.11	5.72E-73	0.543749	0.486	0.15	8.56E-69	CSCL2	NRXN1
NUCKS1.8	1.03E-72	0.526923	0.901	0.626	1.54E-68	CSCL2	NUCKS1
TRAIIP.2	1.26E-72	0.352695	0.177	0.026	1.88E-68	CSCL2	TRAIIP
HOXA2.11	1.27E-72	0.412127	0.294	0.063	1.91E-68	CSCL2	HOXA2
C5orf34.2	1.37E-72	0.399514	0.15	0.019	2.04E-68	CSCL2	C5orf34
SAPCD2.8	1.67E-72	0.592263	0.243	0.049	2.49E-68	CSCL2	SAPCD2
KNSTRN.7	4.40E-72	0.651938	0.298	0.07	6.57E-68	CSCL2	KNSTRN
FXD6.13	6.38E-72	0.632017	0.852	0.445	9.53E-68	CSCL2	FXD6
PEG10.9	1.92E-71	0.532586	0.355	0.092	2.86E-67	CSCL2	PEG10
WHSC1.9	3.04E-71	0.598367	0.433	0.142	4.54E-67	CSCL2	WHSC1
ZNF738.11	3.39E-71	0.564899	0.422	0.133	5.06E-67	CSCL2	ZNF738
AC002454.1	1.12E-70	0.320455	0.121	0.012	1.67E-66	CSCL2	AC002454.1
CDK6.10	1.23E-70	0.737951	0.506	0.193	1.83E-66	CSCL2	CDK6
HAUS8.5	2.13E-70	0.545762	0.305	0.074	3.18E-66	CSCL2	HAUS8
LRRN1.10	2.24E-70	0.570126	0.353	0.096	3.34E-66	CSCL2	LRRN1
ITGB3BP.9	3.01E-70	0.633733	0.415	0.132	4.49E-66	CSCL2	ITGB3BP
KIF14.2	4.83E-70	0.431449	0.166	0.024	7.22E-66	CSCL2	KIF14
NEAT1.9	7.18E-70	-0.79804	0.499	0.773	1.07E-65	CSCL2	NEAT1
BMP7.13	1.07E-69	0.625242	0.446	0.155	1.60E-65	CSCL2	BMP7
ZNF92.10	2.64E-69	0.531129	0.428	0.135	3.95E-65	CSCL2	ZNF92
HIRIP3.7	2.90E-69	0.611832	0.45	0.154	4.33E-65	CSCL2	HIRIP3
DNMT1.11	3.09E-69	0.717347	0.6	0.274	4.61E-65	CSCL2	DNMT1
PTPRZ1.13	6.33E-69	0.623884	0.755	0.369	9.46E-65	CSCL2	PTPRZ1
MPPED2.1C	1.61E-68	0.507426	0.316	0.08	2.41E-64	CSCL2	MPPED2
CBX5.11	2.47E-68	0.600472	0.664	0.331	3.68E-64	CSCL2	CBX5
HOXA9.9	2.61E-68	0.355099	0.183	0.029	3.90E-64	CSCL2	HOXA9
CHAF1B.1	2.86E-68	0.372475	0.192	0.032	4.27E-64	CSCL2	CHAF1B
ANP32E.11	3.13E-68	0.76018	0.576	0.255	4.68E-64	CSCL2	ANP32E
PRIM2.2	3.63E-68	0.434343	0.238	0.048	5.42E-64	CSCL2	PRIM2
MAGI1.10	5.61E-68	0.579928	0.503	0.185	8.38E-64	CSCL2	MAGI1
SH3BGRL3.1	1.12E-67	-0.7798	0.55	0.786	1.68E-63	CSCL2	SH3BGRL3

MNS1.8	4.81E-67	0.55822	0.276	0.066	7.20E-63	CSCL2	MNS1
ARL6IP6.7	6.36E-67	0.62286	0.605	0.268	9.51E-63	CSCL2	ARL6IP6
HAT1.8	1.14E-66	0.591466	0.634	0.283	1.71E-62	CSCL2	HAT1
NFIA.11	1.37E-66	0.590699	0.731	0.365	2.04E-62	CSCL2	NFIA
CTSB.10	1.90E-66	-0.89057	0.525	0.766	2.85E-62	CSCL2	CTSB
SGCB.10	2.21E-66	0.6737	0.645	0.313	3.30E-62	CSCL2	SGCB
ACYP1.8	3.13E-66	0.622063	0.459	0.165	4.68E-62	CSCL2	ACYP1
ARHGAP33.	3.35E-66	0.474885	0.296	0.073	5.01E-62	CSCL2	ARHGAP33
OLFM1.11	3.90E-66	0.572121	0.426	0.14	5.84E-62	CSCL2	OLFM1
AC004540.	4.73E-66	0.507158	0.389	0.112	7.07E-62	CSCL2	AC004540.4
AURKA.10	7.43E-66	0.76813	0.283	0.069	1.11E-61	CSCL2	AURKA
CBX2.8	1.55E-65	0.431243	0.258	0.059	2.31E-61	CSCL2	CBX2
CBX3.10	2.51E-65	0.525345	0.823	0.543	3.75E-61	CSCL2	CBX3
LSM5.8	3.24E-65	0.543212	0.812	0.495	4.84E-61	CSCL2	LSM5
TMSB15B.1	4.25E-65	0.633148	0.468	0.17	6.34E-61	CSCL2	TMSB15B
INSM1.12	7.66E-65	0.578993	0.36	0.107	1.15E-60	CSCL2	INSM1
PARP2.8	1.15E-64	0.526617	0.353	0.101	1.72E-60	CSCL2	PARP2
FCGRT.12	2.15E-64	-1.16361	0.161	0.566	3.22E-60	CSCL2	FCGRT
HLA-DRB1.	2.30E-64	-1.4482	0.179	0.547	3.44E-60	CSCL2	HLA-DRB1
MZT1.7	2.91E-64	0.704716	0.565	0.243	4.34E-60	CSCL2	MZT1
SKA2.11	3.54E-64	0.666022	0.618	0.294	5.29E-60	CSCL2	SKA2
PAFAH1B3.	5.06E-64	0.593606	0.751	0.411	7.56E-60	CSCL2	PAFAH1B3
GINS4.3	1.07E-63	0.386305	0.203	0.038	1.60E-59	CSCL2	GINS4
GPSM2.10	1.27E-63	0.671859	0.453	0.166	1.90E-59	CSCL2	GPSM2
ELAVL4.11	2.50E-63	0.538121	0.501	0.166	3.73E-59	CSCL2	ELAVL4
PDGFRA.12	5.76E-63	0.804196	0.397	0.138	8.60E-59	CSCL2	PDGFRA
RHOBTB3.1	7.37E-63	0.579489	0.737	0.395	1.10E-58	CSCL2	RHOBTB3
PHF19.9	7.59E-63	0.624408	0.377	0.119	1.13E-58	CSCL2	PHF19
CDC7.3	8.88E-63	0.348184	0.192	0.035	1.33E-58	CSCL2	CDC7
NCAPD2.6	9.18E-63	0.428261	0.247	0.056	1.37E-58	CSCL2	NCAPD2
SOX4.11	1.07E-62	0.619786	0.792	0.431	1.60E-58	CSCL2	SOX4
GNG4.12	1.19E-62	0.577707	0.353	0.106	1.79E-58	CSCL2	GNG4
SOX8.11	1.34E-62	0.561966	0.466	0.166	2.00E-58	CSCL2	SOX8
HOXB4.1	1.58E-62	0.271911	0.143	0.019	2.36E-58	CSCL2	HOXB4
RBMX.9	3.55E-62	0.499825	0.843	0.555	5.31E-58	CSCL2	RBMX
CENPP.4	4.48E-62	0.464005	0.212	0.042	6.69E-58	CSCL2	CENPP
AVIL.9	4.67E-62	0.552362	0.302	0.08	6.98E-58	CSCL2	AVIL
SCRG1.11	6.50E-62	0.548987	0.689	0.332	9.71E-58	CSCL2	SCRG1
TUBB4B.7	6.60E-62	0.646455	0.795	0.48	9.86E-58	CSCL2	TUBB4B
CDK4.6	1.03E-61	0.751185	0.748	0.473	1.54E-57	CSCL2	CDK4
C1QTNF2.1	1.41E-61	0.2773	0.13	0.017	2.10E-57	CSCL2	C1QTNF2
TMEM97.1C	2.57E-61	0.586038	0.439	0.161	3.84E-57	CSCL2	TMEM97
SOX11.12	2.90E-61	0.589797	0.609	0.259	4.33E-57	CSCL2	SOX11
DPF1.10	4.26E-61	0.580166	0.395	0.13	6.36E-57	CSCL2	DPF1
GSN.12	5.03E-61	-1.12582	0.124	0.525	7.51E-57	CSCL2	GSN
LSM4.8	6.51E-61	0.518714	0.837	0.549	9.73E-57	CSCL2	LSM4
HNRNPA2B1	1.29E-60	0.292726	0.958	0.841	1.93E-56	CSCL2	HNRNPA2B1
SAE1.8	1.70E-60	0.732957	0.57	0.261	2.54E-56	CSCL2	SAE1
MAD2L2.1C	1.73E-60	0.579015	0.715	0.379	2.58E-56	CSCL2	MAD2L2
CNTLN.2	2.19E-60	0.467822	0.331	0.095	3.27E-56	CSCL2	CNTLN
ATP6VOE1.	5.82E-60	-0.71956	0.554	0.769	8.70E-56	CSCL2	ATP6VOE1



MARCKSL1.	6.	52E-60	0.514483	0.865	0.532	9.74E-56	CSCL2	MARCKSL1
HIST1H2BH	6.	92E-60	0.373669	0.137	0.019	1.03E-55	CSCL2	HIST1H2BH
RP11-620J	1.	61E-59	0.800368	0.547	0.258	2.41E-55	CSCL2	RP11-620J15.3
SPP1.	10	2.53E-59	-0.78689	0.713	0.859	3.79E-55	CSCL2	SPP1
TOX3.	10	4.72E-59	0.382472	0.258	0.06	7.05E-55	CSCL2	TOX3
CCDC15.	1	5.94E-59	0.353796	0.17	0.029	8.88E-55	CSCL2	CCDC15
GPR1.	2	6.59E-59	0.267755	0.143	0.021	9.85E-55	CSCL2	GPR1
DUT.	11	8.97E-59	0.584763	0.731	0.444	1.34E-54	CSCL2	DUT
POLE2.	1	1.33E-58	0.322281	0.17	0.029	1.99E-54	CSCL2	POLE2
LMNB2.	10	1.44E-58	0.560317	0.342	0.108	2.16E-54	CSCL2	LMNB2
C14orf80.	2.	80E-58	0.416209	0.245	0.058	4.19E-54	CSCL2	C14orf80
ZIC1.	10	4.06E-58	0.569281	0.336	0.105	6.07E-54	CSCL2	ZIC1
OLIG1.	12	9.55E-58	0.556114	0.468	0.168	1.43E-53	CSCL2	OLIG1
GPC2.	13	1.10E-57	0.466884	0.457	0.156	1.65E-53	CSCL2	GPC2
DGKB.	4	1.52E-57	0.31127	0.166	0.028	2.27E-53	CSCL2	DGKB
ARPC1B.	13	4.15E-57	-1.13142	0.194	0.544	6.20E-53	CSCL2	ARPC1B
SRSF10.	7	4.38E-57	0.540586	0.536	0.228	6.55E-53	CSCL2	SRSF10
DRAXIN.	12	4.85E-57	0.560678	0.402	0.142	7.24E-53	CSCL2	DRAXIN
RHEB.	7	6.20E-57	0.4823	0.879	0.628	9.26E-53	CSCL2	RHEB
CENPJ.	7	1.33E-56	0.387646	0.245	0.058	1.98E-52	CSCL2	CENPJ
RAB3IP.	9	1.47E-56	0.661371	0.534	0.235	2.19E-52	CSCL2	RAB3IP
POU4F1.	2	1.52E-56	0.26442	0.139	0.02	2.27E-52	CSCL2	POU4F1
ZNF726.	1	1.62E-56	0.324179	0.146	0.023	2.42E-52	CSCL2	ZNF726
PRR11.	5	2.72E-56	0.461689	0.238	0.057	4.07E-52	CSCL2	PRR11
FIGNL1.	5	4.11E-56	0.400007	0.199	0.04	6.14E-52	CSCL2	FIGNL1
FAM111A.	8	4.95E-56	0.541324	0.331	0.1	7.39E-52	CSCL2	FAM111A
TMEM106C.	9.	74E-56	0.552482	0.556	0.255	1.46E-51	CSCL2	TMEM106C
FANCG.	4	1.35E-55	0.394442	0.238	0.057	2.02E-51	CSCL2	FANCG
SCD5.	12	1.98E-55	0.564292	0.698	0.382	2.97E-51	CSCL2	SCD5
HOXB3.	6	2.06E-55	0.263839	0.163	0.028	3.08E-51	CSCL2	HOXB3
HOXA3.	11	2.52E-55	0.348752	0.225	0.049	3.76E-51	CSCL2	HOXA3
HLA-DPA1.	2.	93E-55	-1.23026	0.208	0.546	4.39E-51	CSCL2	HLA-DPA1
ILF2.	9	3.12E-55	0.474739	0.854	0.563	4.66E-51	CSCL2	ILF2
LIN9.	1	7.36E-55	0.270695	0.148	0.024	1.10E-50	CSCL2	LIN9
TUBG1.	10	9.08E-55	0.581167	0.51	0.222	1.36E-50	CSCL2	TUBG1
FANCL.	7	1.40E-54	0.468774	0.389	0.133	2.09E-50	CSCL2	FANCL
MARCH9.	1C	4.70E-54	0.684607	0.391	0.145	7.03E-50	CSCL2	9-Mar
KHDRBS1.	1	1.55E-53	0.537079	0.777	0.474	2.32E-49	CSCL2	KHDRBS1
CD68.	13	1.61E-53	-1.31415	0.102	0.455	2.40E-49	CSCL2	CD68
HLA-DRB5.	1.	90E-53	-1.54944	0.055	0.413	2.85E-49	CSCL2	HLA-DRB5
SGCE.	9	2.15E-53	0.29415	0.417	0.135	3.22E-49	CSCL2	SGCE
WDHD1.	2	2.57E-53	0.346111	0.166	0.031	3.84E-49	CSCL2	WDHD1
HOXC11.	1	5.09E-53	0.22345	0.108	0.013	7.60E-49	CSCL2	HOXC11
TSPO.	12	5.71E-53	-0.909	0.294	0.607	8.53E-49	CSCL2	TSPO
PSAP.	10	1.31E-52	-0.57895	0.651	0.825	1.96E-48	CSCL2	PSAP
RP11-277F	1.	43E-52	0.45671	0.243	0.06	2.13E-48	CSCL2	RP11-277P12.20
HLA-C.	8	1.95E-52	-0.52576	0.536	0.814	2.91E-48	CSCL2	HLA-C
ANLN.	12	2.00E-52	0.275225	0.236	0.055	2.99E-48	CSCL2	ANLN
IFITM3.	6	2.62E-52	-1.00908	0.139	0.517	3.92E-48	CSCL2	IFITM3
DDX39A.	8	3.48E-52	0.587501	0.691	0.38	5.20E-48	CSCL2	DDX39A
AUNIP.	1	6.44E-52	0.276906	0.088	0.009	9.62E-48	CSCL2	AUNIP

SLC35E3.1	7.98E-52	0.675847	0.437	0.177	1.19E-47	CSCL2	SLC35E3
EYA1.1	1.10E-51	0.242577	0.139	0.022	1.65E-47	CSCL2	EYA1
MCM5.10	1.70E-51	0.48351	0.395	0.14	2.54E-47	CSCL2	MCM5
MEST.12	2.81E-51	0.563098	0.68	0.375	4.20E-47	CSCL2	MEST
HLA-DRA.1	2.98E-51	-1.07415	0.395	0.643	4.46E-47	CSCL2	HLA-DRA
FAM181B.1	3.47E-51	0.571691	0.477	0.192	5.18E-47	CSCL2	FAM181B
CCDC14.1C	4.13E-51	0.505367	0.499	0.216	6.17E-47	CSCL2	CCDC14
HLA-B.10	5.19E-51	-0.50288	0.656	0.859	7.76E-47	CSCL2	HLA-B
SPDL1.6	9.10E-51	0.462229	0.232	0.058	1.36E-46	CSCL2	SPDL1
HMGXB4.6	1.04E-50	0.524877	0.49	0.212	1.55E-46	CSCL2	HMGXB4
SRGN.13	1.04E-50	-1.26447	0.192	0.511	1.55E-46	CSCL2	SRGN
NELL2.9	1.44E-50	0.404034	0.318	0.097	2.15E-46	CSCL2	NELL2
NOL4.9	2.88E-50	0.395014	0.234	0.058	4.30E-46	CSCL2	NOL4
HMGN1.8	3.44E-50	0.39715	0.874	0.656	5.14E-46	CSCL2	HMGN1
CD44.9	4.95E-50	-1.22077	0.049	0.396	7.40E-46	CSCL2	CD44
PAQR4.11	5.07E-50	0.507383	0.406	0.154	7.57E-46	CSCL2	PAQR4
H1FX.12	5.81E-50	0.594611	0.658	0.374	8.68E-46	CSCL2	H1FX
CD74.12	6.25E-50	-0.8576	0.605	0.757	9.33E-46	CSCL2	CD74
HIST1H1B.7	7.00E-50	0.228328	0.075	0.007	1.05E-45	CSCL2	HIST1H1B
LAPTM5.13	7.31E-50	-1.29791	0.11	0.449	1.09E-45	CSCL2	LAPTM5
ZNF138.9	8.07E-50	0.444024	0.384	0.136	1.21E-45	CSCL2	ZNF138
MYL12A.11	9.97E-50	-0.97085	0.236	0.556	1.49E-45	CSCL2	MYL12A
C7orf55-L	1.03E-49	0.51617	0.631	0.327	1.54E-45	CSCL2	C7orf55-LUC7L2
HLA-A.10	1.12E-49	-0.44792	0.742	0.902	1.68E-45	CSCL2	HLA-A
ZNF714.7	1.43E-49	0.5095	0.307	0.095	2.14E-45	CSCL2	ZNF714
A2M.11	1.51E-49	-1.17732	0.139	0.477	2.26E-45	CSCL2	A2M
GRIK2.2	1.84E-49	0.262646	0.152	0.027	2.76E-45	CSCL2	GRIK2
CD63.12	2.21E-49	-0.4519	0.839	0.928	3.30E-45	CSCL2	CD63
C2orf80.1	3.59E-49	0.490055	0.333	0.11	5.36E-45	CSCL2	C2orf80
GRN.11	3.63E-49	-0.88707	0.283	0.582	5.42E-45	CSCL2	GRN
CA10.7	4.63E-49	0.263816	0.152	0.027	6.92E-45	CSCL2	CA10
NOVA1.13	4.70E-49	0.486706	0.808	0.466	7.02E-45	CSCL2	NOVA1
YWHAQ.11	6.41E-49	0.419913	0.876	0.634	9.58E-45	CSCL2	YWHAQ
EGFR.12	6.70E-49	0.650777	0.594	0.288	1.00E-44	CSCL2	EGFR
NKAIN4.8	7.12E-49	0.442158	0.309	0.093	1.06E-44	CSCL2	NKAIN4
PFN2.9	8.12E-49	0.4838	0.731	0.422	1.21E-44	CSCL2	PFN2
CNTFR.10	9.28E-49	0.441388	0.353	0.121	1.39E-44	CSCL2	CNTFR
MSH6.8	9.53E-49	0.463515	0.344	0.118	1.42E-44	CSCL2	MSH6
HNRNPD.11	1.09E-48	0.508051	0.68	0.404	1.62E-44	CSCL2	HNRNPD
AC016700.1	1.25E-48	0.256371	0.152	0.027	1.87E-44	CSCL2	AC016700.5
RNASEH2B.1	1.53E-48	0.510488	0.508	0.228	2.28E-44	CSCL2	RNASEH2B
ANP32B.11	1.78E-48	0.52667	0.728	0.438	2.66E-44	CSCL2	ANP32B
C1QC.13	2.34E-48	-1.29503	0.212	0.513	3.50E-44	CSCL2	C1QC
CARHSP1.9	3.66E-48	0.46549	0.704	0.412	5.48E-44	CSCL2	CARHSP1
IGFBP2.11	4.16E-48	0.563923	0.735	0.359	6.22E-44	CSCL2	IGFBP2
C4orf46.4	4.93E-48	0.370624	0.252	0.068	7.37E-44	CSCL2	C4orf46
DDX11.2	5.70E-48	0.33091	0.199	0.046	8.52E-44	CSCL2	DDX11
CTPS1.8	6.87E-48	0.419946	0.307	0.098	1.03E-43	CSCL2	CTPS1
AIF1L.11	8.37E-48	0.485134	0.331	0.104	1.25E-43	CSCL2	AIF1L
TYROBP.13	1.25E-47	-1.32241	0.157	0.472	1.87E-43	CSCL2	TYROBP
C1QB.13	1.53E-47	-1.13858	0.313	0.58	2.29E-43	CSCL2	C1QB

ELAVL2.12	2.16E-47	0.381416	0.265	0.072	3.22E-43	CSCL2	ELAVL2
DSCC1.7	2.23E-47	0.418296	0.214	0.053	3.33E-43	CSCL2	DSCC1
SMARCA4.1	2.90E-47	0.490916	0.653	0.349	4.33E-43	CSCL2	SMARCA4
POLE.1	3.25E-47	0.224715	0.135	0.023	4.85E-43	CSCL2	POLE
RP11-571M	4.18E-47	0.221777	0.141	0.024	6.25E-43	CSCL2	RP11-571M6.17
TUBA1A.1C	4.97E-47	0.304867	0.985	0.8	7.42E-43	CSCL2	TUBA1A
BTG3.10	6.31E-47	0.516055	0.664	0.359	9.43E-43	CSCL2	BTG3
SRSF3.3	9.56E-47	0.334025	0.921	0.721	1.43E-42	CSCL2	SRSF3
HLA-E.13	1.08E-46	-0.7049	0.252	0.61	1.61E-42	CSCL2	HLA-E
FTL.13	2.25E-46	-0.39881	0.969	0.995	3.36E-42	CSCL2	FTL
POLD4.10	2.62E-46	-0.94942	0.099	0.434	3.91E-42	CSCL2	POLD4
ELN.10	2.65E-46	0.384948	0.313	0.1	3.95E-42	CSCL2	ELN
MSH2.8	2.94E-46	0.461154	0.32	0.108	4.40E-42	CSCL2	MSH2
HLA-DPB1.3	4.45E-46	-1.19114	0.212	0.506	5.16E-42	CSCL2	HLA-DPB1
UBE2E3.11	4.34E-46	0.465671	0.74	0.449	6.49E-42	CSCL2	UBE2E3
CD14.13	4.90E-46	-1.31363	0.104	0.421	7.32E-42	CSCL2	CD14
CIT.2	5.03E-46	0.27522	0.152	0.029	7.52E-42	CSCL2	CIT
CLGN.5	1.08E-45	0.317924	0.159	0.031	1.61E-41	CSCL2	CLGN
MGME1.5	1.71E-45	0.478883	0.369	0.139	2.55E-41	CSCL2	MGME1
CDCA7.10	2.00E-45	0.451583	0.336	0.114	2.99E-41	CSCL2	CDCA7
TONSL	2.06E-45	0.246009	0.121	0.019	3.08E-41	CSCL2	TONSL
SSRP1.11	2.10E-45	0.517104	0.625	0.344	3.14E-41	CSCL2	SSRP1
AIF1.13	2.14E-45	-1.31121	0.108	0.423	3.19E-41	CSCL2	AIF1
CHTF18.2	2.23E-45	0.318393	0.185	0.042	3.34E-41	CSCL2	CHTF18
C1orf61.1	3.45E-45	0.421369	0.845	0.522	5.15E-41	CSCL2	C1orf61
PAICS.12	3.54E-45	0.588611	0.561	0.298	5.29E-41	CSCL2	PAICS
CENPL.3	3.60E-45	0.374997	0.194	0.046	5.38E-41	CSCL2	CENPL
DBN1.12	4.42E-45	0.464986	0.6	0.3	6.60E-41	CSCL2	DBN1
EMILIN3.7	5.52E-45	0.360082	0.146	0.027	8.24E-41	CSCL2	EMILIN3
RNASSET2.1	6.68E-45	-1.06221	0.188	0.495	9.98E-41	CSCL2	RNASSET2
AGAP2.7	6.75E-45	0.327869	0.205	0.05	1.01E-40	CSCL2	AGAP2
RMI1.4	7.07E-45	0.421557	0.212	0.054	1.06E-40	CSCL2	RMI1
CRMP1.11	7.36E-45	0.451123	0.563	0.253	1.10E-40	CSCL2	CRMP1
CAPG.13	8.56E-45	-1.12205	0.106	0.427	1.28E-40	CSCL2	CAPG
FANCC	1.06E-44	0.230625	0.117	0.018	1.58E-40	CSCL2	FANCC
ALOX5AP.1	1.26E-44	-1.32141	0.102	0.411	1.89E-40	CSCL2	ALOX5AP
SFPQ.9	1.73E-44	0.45318	0.788	0.532	2.59E-40	CSCL2	SFPQ
RAD1.7	1.86E-44	0.537802	0.415	0.169	2.78E-40	CSCL2	RAD1
RBBP8.6	2.44E-44	0.410312	0.254	0.076	3.64E-40	CSCL2	RBBP8
CHI3L1.11	2.89E-44	-1.36882	0.236	0.536	4.32E-40	CSCL2	CHI3L1
HNRNPAB.1	3.13E-44	0.499723	0.649	0.387	4.67E-40	CSCL2	HNRNPAB
RFTN2.11	3.55E-44	0.421344	0.342	0.119	5.30E-40	CSCL2	RFTN2
SRSF2.11	4.33E-44	0.397565	0.812	0.597	6.48E-40	CSCL2	SRSF2
CXCL16.11	4.82E-44	-0.95511	0.141	0.466	7.20E-40	CSCL2	CXCL16
RGS10.13	5.27E-44	-1.21904	0.038	0.354	7.88E-40	CSCL2	RGS10
VSIG4.13	6.19E-44	-1.3126	0.062	0.377	9.25E-40	CSCL2	VSIG4
ARHGDIB.1	7.15E-44	-1.26544	0.071	0.384	1.07E-39	CSCL2	ARHGDIB
MEX3B.9	7.65E-44	0.325896	0.219	0.056	1.14E-39	CSCL2	MEX3B
CDKN2D.1C	9.06E-44	0.588126	0.382	0.151	1.35E-39	CSCL2	CDKN2D
CTSL.13	9.43E-44	-0.91374	0.223	0.536	1.41E-39	CSCL2	CTSL
GLUL.9	1.14E-43	-0.63573	0.64	0.792	1.71E-39	CSCL2	GLUL

POLD3.4	1.26E-43	0.430105	0.278	0.089	1.88E-39	CSCL2	POLD3
CCDC18.9	1.44E-43	0.419403	0.245	0.07	2.15E-39	CSCL2	CCDC18
EXOSC8.11	1.49E-43	0.487232	0.563	0.278	2.22E-39	CSCL2	EXOSC8
ARHGFEF25.1	1.61E-43	0.388175	0.221	0.059	2.41E-39	CSCL2	ARHGFEF25
CEP55.2	2.25E-43	0.355101	0.137	0.025	3.36E-39	CSCL2	CEP55
HNRNPR.7	2.62E-43	0.435501	0.762	0.51	3.91E-39	CSCL2	HNRNPR
VAMP8.13	2.67E-43	-1.26315	0.044	0.355	4.00E-39	CSCL2	VAMP8
HOTAIR.1	2.89E-43	0.15701	0.091	0.011	4.31E-39	CSCL2	HOTAIR
NONO.12	3.13E-43	0.477725	0.72	0.444	4.68E-39	CSCL2	NONO
HDAC2.11	4.38E-43	0.472813	0.715	0.437	6.54E-39	CSCL2	HDAC2
CTSS.13	4.47E-43	-1.17629	0.053	0.366	6.69E-39	CSCL2	CTSS
CPXM1.12	4.48E-43	0.442979	0.325	0.116	6.70E-39	CSCL2	CPXM1
C17orf53.4	4.65E-43	0.20144	0.102	0.015	6.94E-39	CSCL2	C17orf53
TMPO-AS1.4	4.84E-43	0.290358	0.139	0.026	7.23E-39	CSCL2	TMPO-AS1
C1orf162.5	5.07E-43	-1.29088	0.026	0.334	7.57E-39	CSCL2	C1orf162
WEE1.9	5.17E-43	0.459303	0.362	0.141	7.73E-39	CSCL2	WEE1
SLC30A3.1	5.78E-43	0.182295	0.091	0.012	8.63E-39	CSCL2	SLC30A3
NEDD1.2	6.79E-43	0.339511	0.258	0.078	1.02E-38	CSCL2	NEDD1
HOXA10-AS	7.88E-43	0.155934	0.079	0.009	1.18E-38	CSCL2	HOXA10-AS
TMEM98.1C	1.00E-42	0.403286	0.494	0.225	1.50E-38	CSCL2	TMEM98
RCC1.5	1.04E-42	0.432582	0.285	0.092	1.56E-38	CSCL2	RCC1
RGS1.13	1.11E-42	-1.27667	0.174	0.458	1.65E-38	CSCL2	RGS1
CSE1L.10	1.28E-42	0.519326	0.468	0.213	1.91E-38	CSCL2	CSE1L
HLA-DQA1.1	1.56E-42	-1.3458	0.013	0.318	2.33E-38	CSCL2	HLA-DQA1
MLLT11.1C	1.60E-42	0.469625	0.762	0.441	2.39E-38	CSCL2	MLLT11
HLA-DMA.1	1.78E-42	-1.22033	0.124	0.42	2.66E-38	CSCL2	HLA-DMA
CCT2.7	2.30E-42	0.569342	0.773	0.536	3.43E-38	CSCL2	CCT2
S100A6.11	2.36E-42	-0.83222	0.395	0.653	3.53E-38	CSCL2	S100A6
CBX1.10	2.36E-42	0.482246	0.638	0.356	3.53E-38	CSCL2	CBX1
LGALS3.1C	2.47E-42	-1.11386	0.185	0.493	3.69E-38	CSCL2	LGALS3
KCTD16.1	2.56E-42	0.22074	0.102	0.015	3.83E-38	CSCL2	KCTD16
PCDHB7.9	2.81E-42	0.32279	0.234	0.064	4.20E-38	CSCL2	PCDHB7
NCAPD3.2	2.82E-42	0.418182	0.252	0.076	4.22E-38	CSCL2	NCAPD3
HLA-DQB1.3	3.05E-42	-1.23671	0.031	0.337	4.56E-38	CSCL2	HLA-DQB1
PHYHIPL.9	3.13E-42	0.423364	0.437	0.175	4.67E-38	CSCL2	PHYHIPL
PLTP.10	3.14E-42	-1.03971	0.172	0.482	4.69E-38	CSCL2	PLTP
MEX3A.11	4.63E-42	0.467638	0.413	0.169	6.93E-38	CSCL2	MEX3A
TMEM176B.6	6.85E-42	-1.18283	0.055	0.364	1.02E-37	CSCL2	TMEM176B
SLITRK2.6	9.72E-42	0.251919	0.148	0.03	1.45E-37	CSCL2	SLITRK2
KNTC1.2	1.14E-41	0.286787	0.117	0.02	1.71E-37	CSCL2	KNTC1
ERCC6L.1	1.49E-41	0.154471	0.051	0.004	2.23E-37	CSCL2	ERCC6L
RAD18.2	1.63E-41	0.372176	0.199	0.051	2.43E-37	CSCL2	RAD18
TCF4.13	1.83E-41	0.428018	0.808	0.512	2.74E-37	CSCL2	TCF4
TFAP2A.9	3.84E-41	0.239974	0.155	0.032	5.73E-37	CSCL2	TFAP2A
FAM72D.2	5.54E-41	0.190726	0.099	0.015	8.28E-37	CSCL2	FAM72D
NCAPH2.6	6.28E-41	0.42359	0.329	0.122	9.38E-37	CSCL2	NCAPH2
BAZ1B.12	6.65E-41	0.482723	0.547	0.288	9.94E-37	CSCL2	BAZ1B
GLIPR1.11	7.28E-41	-1.02011	0.042	0.346	1.09E-36	CSCL2	GLIPR1
ANXA2.10	8.64E-41	-0.80298	0.208	0.526	1.29E-36	CSCL2	ANXA2
MZT2B.9	8.91E-41	0.447261	0.817	0.584	1.33E-36	CSCL2	MZT2B
GMFG.13	9.10E-41	-1.18068	0.013	0.309	1.36E-36	CSCL2	GMFG

FCGR3A.13	9.89E-41	-1.27729	0.057	0.353	1.48E-36	CSCL2	FCGR3A
SLC16A3.1	1.25E-40	-0.99659	0.031	0.332	1.87E-36	CSCL2	SLC16A3
FCER1G.13	1.32E-40	-1.24827	0.177	0.452	1.97E-36	CSCL2	FCER1G
TREM2.13	1.36E-40	-1.29836	0.068	0.362	2.04E-36	CSCL2	TREM2
CD53.13	1.44E-40	-1.19378	0.029	0.327	2.16E-36	CSCL2	CD53
C2orf69.1	1.53E-40	0.47095	0.419	0.185	2.28E-36	CSCL2	C2orf69
DSCAM.8	1.56E-40	0.31987	0.236	0.068	2.33E-36	CSCL2	DSCAM
LRRC17.9	1.82E-40	0.406371	0.232	0.068	2.72E-36	CSCL2	LRRC17
HSP90AA1.2	0.08E-40	0.229906	0.974	0.885	3.10E-36	CSCL2	HSP90AA1
ZBTB20.11	2.28E-40	0.448591	0.678	0.374	3.40E-36	CSCL2	ZBTB20
SRRT.9	2.31E-40	0.453062	0.459	0.207	3.44E-36	CSCL2	SRRT
SALL3.6	2.65E-40	0.293907	0.161	0.036	3.95E-36	CSCL2	SALL3
PODXL2.12	2.80E-40	0.489132	0.578	0.297	4.18E-36	CSCL2	PODXL2
C1QA.13	3.23E-40	-1.09302	0.305	0.546	4.83E-36	CSCL2	C1QA
TSFM.10	3.38E-40	0.626646	0.501	0.267	5.05E-36	CSCL2	TSFM
MAP2.13	6.00E-40	0.43066	0.627	0.326	8.97E-36	CSCL2	MAP2
SOD2.9	6.50E-40	-1.0027	0.278	0.546	9.72E-36	CSCL2	SOD2
VAMP5.8	7.87E-40	-0.957	0.099	0.409	1.18E-35	CSCL2	VAMP5
MBD6.8	9.26E-40	0.578905	0.338	0.131	1.38E-35	CSCL2	MBD6
RAN.9	1.04E-39	0.294267	0.918	0.75	1.56E-35	CSCL2	RAN
HNRNPA1.5	1.13E-39	0.216209	0.967	0.874	1.69E-35	CSCL2	HNRNPA1
PARP1.8	1.23E-39	0.43067	0.72	0.462	1.84E-35	CSCL2	PARP1
ING3.7	1.71E-39	0.400494	0.415	0.175	2.55E-35	CSCL2	ING3
PBX1.11	1.89E-39	0.472141	0.446	0.205	2.82E-35	CSCL2	PBX1
HLA-DMB.1	2.27E-39	-1.2163	0.04	0.332	3.40E-35	CSCL2	HLA-DMB
ZNF682.8	2.48E-39	0.353634	0.234	0.07	3.70E-35	CSCL2	ZNF682
CRISPLD1.3	3.22E-39	0.456439	0.256	0.083	4.81E-35	CSCL2	CRISPLD1
H2AFY.9	3.90E-39	0.402608	0.821	0.598	5.83E-35	CSCL2	H2AFY
HOXA7.10	4.18E-39	0.330992	0.291	0.094	6.25E-35	CSCL2	HOXA7
C3.12	4.34E-39	-1.14589	0.135	0.412	6.48E-35	CSCL2	C3
CASP2.5	4.57E-39	0.348294	0.278	0.093	6.83E-35	CSCL2	CASP2
ZNF724P.1	5.62E-39	0.333766	0.139	0.029	8.40E-35	CSCL2	ZNF724P
RHN01.7	6.25E-39	0.520802	0.419	0.186	9.34E-35	CSCL2	RHN01
GPX1.13	6.37E-39	-0.51671	0.742	0.816	9.52E-35	CSCL2	GPX1
ZFP36.10	6.99E-39	-0.83232	0.318	0.583	1.04E-34	CSCL2	ZFP36
ZNF428.13	7.91E-39	0.411241	0.81	0.534	1.18E-34	CSCL2	ZNF428
HEY1.11	8.05E-39	0.537494	0.49	0.237	1.20E-34	CSCL2	HEY1
CD37.13	8.53E-39	-1.1764	0.026	0.312	1.28E-34	CSCL2	CD37
SUB1.9	1.27E-38	0.274095	0.923	0.75	1.90E-34	CSCL2	SUB1
NREP.11	1.42E-38	0.461344	0.536	0.262	2.12E-34	CSCL2	NREP
RAD54B.1	1.43E-38	0.229647	0.126	0.024	2.14E-34	CSCL2	RAD54B
KPNB1.11	1.73E-38	0.437326	0.706	0.437	2.59E-34	CSCL2	KPNB1
CRTAC1.2	1.98E-38	0.245167	0.113	0.019	2.97E-34	CSCL2	CRTAC1
CPVL.13	2.29E-38	-1.10473	0.073	0.36	3.42E-34	CSCL2	CPVL
FPR1.13	2.64E-38	-1.21376	0.013	0.295	3.95E-34	CSCL2	FPR1
PHF14.11	3.01E-38	0.419442	0.691	0.412	4.50E-34	CSCL2	PHF14
GADD45G.1	3.13E-38	0.461388	0.525	0.245	4.68E-34	CSCL2	GADD45G
NT5DC2.9	3.19E-38	0.461324	0.369	0.156	4.77E-34	CSCL2	NT5DC2
RBP1.11	3.24E-38	0.381162	0.77	0.447	4.83E-34	CSCL2	RBP1
SUPT16H.9	4.00E-38	0.440882	0.492	0.239	5.98E-34	CSCL2	SUPT16H
HERPUD1.1	4.79E-38	-0.73084	0.426	0.651	7.15E-34	CSCL2	HERPUD1

EXOSC9.3	5.01E-38	0.436495	0.358	0.141	7.49E-34	CSCL2	EXOSC9
TRIM36.12	5.15E-38	0.439147	0.4	0.173	7.70E-34	CSCL2	TRIM36
SERPINA1.	5.54E-38	-1.13584	0.029	0.31	8.28E-34	CSCL2	SERPINA1
SET.9	6.35E-38	0.397378	0.784	0.552	9.50E-34	CSCL2	SET
CENPT.9	7.82E-38	0.448911	0.413	0.181	1.17E-33	CSCL2	CENPT
BST2.12	9.24E-38	-0.66284	0.155	0.499	1.38E-33	CSCL2	BST2
CEP72.1	9.84E-38	0.327954	0.099	0.016	1.47E-33	CSCL2	CEP72
SMC3.8	1.03E-37	0.480144	0.53	0.276	1.54E-33	CSCL2	SMC3
ZNF43.11	1.19E-37	0.45357	0.331	0.13	1.78E-33	CSCL2	ZNF43
ZNF85.5	1.56E-37	0.339926	0.247	0.078	2.34E-33	CSCL2	ZNF85
HNRNPA0.1	1.57E-37	0.37943	0.841	0.633	2.35E-33	CSCL2	HNRNPA0
LST1.13	1.76E-37	-1.16191	0.044	0.323	2.63E-33	CSCL2	LST1
CTSD.11	2.23E-37	-0.72503	0.442	0.647	3.34E-33	CSCL2	CTSD
LY86.13	2.55E-37	-1.18603	0.026	0.303	3.80E-33	CSCL2	LY86
MFAP4.7	2.95E-37	0.315486	0.185	0.049	4.40E-33	CSCL2	MFAP4
CALM3.10	2.96E-37	0.443923	0.821	0.583	4.43E-33	CSCL2	CALM3
PROM1.1	3.16E-37	0.22118	0.119	0.022	4.72E-33	CSCL2	PROM1
B2M.11	3.19E-37	-0.30117	0.947	0.971	4.77E-33	CSCL2	B2M
SNRPG.7	3.28E-37	0.324152	0.848	0.631	4.90E-33	CSCL2	SNRPG
CCDC167.8	3.63E-37	0.439794	0.634	0.373	5.42E-33	CSCL2	CCDC167
ATP1A3.11	3.80E-37	0.393376	0.32	0.113	5.68E-33	CSCL2	ATP1A3
GPM6A.11	3.93E-37	0.366836	0.806	0.492	5.88E-33	CSCL2	GPM6A
MDK.12	4.07E-37	0.319621	0.79	0.479	6.09E-33	CSCL2	MDK
NCAM1.12	4.88E-37	0.432955	0.603	0.325	7.30E-33	CSCL2	NCAM1
MS4A7.13	5.70E-37	-1.20291	0.068	0.343	8.51E-33	CSCL2	MS4A7
TCEAL2.1C	7.01E-37	0.410072	0.419	0.17	1.05E-32	CSCL2	TCEAL2
JADE1.5	7.79E-37	0.464039	0.311	0.116	1.16E-32	CSCL2	JADE1
CHD7.10	7.87E-37	0.45145	0.536	0.279	1.18E-32	CSCL2	CHD7
PAX6.9	8.27E-37	0.417768	0.23	0.072	1.24E-32	CSCL2	PAX6
ITGB2.13	1.28E-36	-1.1322	0.062	0.334	1.92E-32	CSCL2	ITGB2
FUS.5	1.41E-36	0.356522	0.848	0.635	2.11E-32	CSCL2	FUS
SCG3.13	1.53E-36	0.441138	0.534	0.256	2.29E-32	CSCL2	SCG3
ARL6IP5.7	1.75E-36	-0.61068	0.43	0.659	2.62E-32	CSCL2	ARL6IP5
PTTG2.1	2.01E-36	0.183179	0.053	0.005	3.01E-32	CSCL2	PTTG2
APRT.9	2.19E-36	-0.75074	0.276	0.541	3.28E-32	CSCL2	APRT
LIPA.11	2.32E-36	-0.89534	0.062	0.345	3.47E-32	CSCL2	LIPA
PXMP2.11	2.40E-36	0.523155	0.437	0.214	3.59E-32	CSCL2	PXMP2
HNRNPM.1C	2.54E-36	0.431128	0.766	0.534	3.79E-32	CSCL2	HNRNPM
PLA2G16.9	2.84E-36	-0.86899	0.124	0.415	4.24E-32	CSCL2	PLA2G16
NAMPT.12	3.09E-36	-1.02669	0.172	0.448	4.62E-32	CSCL2	NAMPT
APBB2.10	3.15E-36	0.387435	0.291	0.105	4.70E-32	CSCL2	APBB2
POP7.10	3.53E-36	0.396324	0.647	0.384	5.28E-32	CSCL2	POP7
ZEB1.12	3.54E-36	0.49657	0.402	0.184	5.29E-32	CSCL2	ZEB1
NOSTRIN	4.41E-36	0.114732	0.046	0.003	6.60E-32	CSCL2	NOSTRIN
SGK1.13	4.74E-36	-0.9265	0.168	0.448	7.08E-32	CSCL2	SGK1
HCLS1.13	4.93E-36	-1.05791	0.026	0.301	7.37E-32	CSCL2	HCLS1
XRCC5.11	5.24E-36	0.378897	0.773	0.552	7.83E-32	CSCL2	XRCC5
PAX3.1	5.62E-36	0.165271	0.084	0.012	8.40E-32	CSCL2	PAX3
PRR13.9	5.68E-36	-0.74221	0.289	0.553	8.49E-32	CSCL2	PRR13
CEP78.10	6.83E-36	0.40561	0.289	0.107	1.02E-31	CSCL2	CEP78
S100A4.13	7.70E-36	-1.14464	0.033	0.306	1.15E-31	CSCL2	S100A4

CACNA2D1. 8.	0.01E-36	0.21995	0.13	0.026	1.20E-31	CSCL2	CACNA2D1
MS4A6A. 13	8.53E-36	-1.22093	0.084	0.351	1.28E-31	CSCL2	MS4A6A
NXPH1. 12	9.44E-36	0.462828	0.327	0.128	1.41E-31	CSCL2	NXPH1
ARPC3. 11	9.61E-36	-0.46116	0.717	0.808	1.44E-31	CSCL2	ARPC3
FCGR2A. 13	1.23E-35	-1.08112	0.029	0.299	1.84E-31	CSCL2	FCGR2A
COL9A1. 1	1.51E-35	0.137366	0.075	0.01	2.26E-31	CSCL2	COL9A1
DTX3. 8	2.54E-35	0.630975	0.464	0.247	3.80E-31	CSCL2	DTX3
PPM1G. 12	2.78E-35	0.431684	0.66	0.409	4.16E-31	CSCL2	PPM1G
RNASE6. 13	3.05E-35	-1.09715	0.02	0.285	4.55E-31	CSCL2	RNASE6
AMPH. 1	3.19E-35	0.198837	0.108	0.019	4.76E-31	CSCL2	AMPH
TBC1D31. 1	3.35E-35	0.318606	0.137	0.03	5.00E-31	CSCL2	TBC1D31
PRTFDC1. 8	3.35E-35	0.364452	0.327	0.127	5.01E-31	CSCL2	PRTFDC1
PIP4K2C. 7	4.11E-35	0.419447	0.283	0.102	6.15E-31	CSCL2	PIP4K2C
PYCARD. 13	4.51E-35	-0.9756	0.026	0.295	6.74E-31	CSCL2	PYCARD
GLRX. 12	5.64E-35	-0.90171	0.119	0.399	8.43E-31	CSCL2	GLRX
SERPINE2. 5	7.7E-35	0.485608	0.539	0.283	8.63E-31	CSCL2	SERPINE2
SERF2. 9	6.08E-35	-0.38496	0.857	0.897	9.09E-31	CSCL2	SERF2
FAM161A. 7	6.31E-35	0.396597	0.278	0.101	9.43E-31	CSCL2	FAM161A
HCST. 13	6.78E-35	-1.13952	0.031	0.294	1.01E-30	CSCL2	HCST
BLVRB. 9	7.08E-35	-0.8738	0.099	0.385	1.06E-30	CSCL2	BLVRB
SNRPB. 8	8.84E-35	0.374313	0.821	0.568	1.32E-30	CSCL2	SNRPB
RHOG. 12	9.31E-35	-0.90037	0.148	0.42	1.39E-30	CSCL2	RHOG
MS4A4A. 13	9.89E-35	-1.15244	0.033	0.296	1.48E-30	CSCL2	MS4A4A
NETO2. 9	1.02E-34	0.479944	0.358	0.153	1.53E-30	CSCL2	NETO2
SERPINB1. 1	2.3E-34	-1.03751	0.015	0.277	1.83E-30	CSCL2	SERPINB1
NKX2-2. 11	1.77E-34	0.38601	0.353	0.139	2.64E-30	CSCL2	NKX2-2
CTSC. 13	1.84E-34	-1.00468	0.128	0.394	2.76E-30	CSCL2	CTSC
FANCB. 2	1.92E-34	0.19465	0.106	0.019	2.87E-30	CSCL2	FANCB
VBP1. 9	2.33E-34	0.355979	0.751	0.476	3.48E-30	CSCL2	VBP1
NGFRAP1. 1	2.87E-34	0.281523	0.923	0.633	4.28E-30	CSCL2	NGFRAP1
CYBA. 13	3.99E-34	-1.0384	0.163	0.414	5.96E-30	CSCL2	CYBA
SCPEP1. 11	5.20E-34	-0.93567	0.091	0.357	7.76E-30	CSCL2	SCPEP1
PHIP. 8	5.26E-34	0.443787	0.572	0.322	7.85E-30	CSCL2	PHIP
CIB1. 11	6.32E-34	-0.73547	0.245	0.502	9.45E-30	CSCL2	CIB1
DCX. 13	7.79E-34	0.375288	0.444	0.195	1.16E-29	CSCL2	DCX
BUB3. 6	9.01E-34	0.430159	0.554	0.298	1.35E-29	CSCL2	BUB3
GAS1. 13	9.42E-34	0.551169	0.329	0.137	1.41E-29	CSCL2	GAS1
IL17RB. 9	1.07E-33	0.357623	0.161	0.041	1.59E-29	CSCL2	IL17RB
AMOTL2. 8	1.18E-33	0.255158	0.236	0.075	1.77E-29	CSCL2	AMOTL2
POU3F2. 11	1.34E-33	0.491777	0.439	0.207	2.01E-29	CSCL2	POU3F2
SLC16A14. 1	6.8E-33	0.238552	0.121	0.025	2.51E-29	CSCL2	SLC16A14
RAC1. 6	2.23E-33	0.288391	0.916	0.736	3.34E-29	CSCL2	RAC1
ASAH1. 11	2.29E-33	-0.67569	0.472	0.659	3.42E-29	CSCL2	ASAH1
C3orf70. 1	2.62E-33	0.401799	0.263	0.094	3.92E-29	CSCL2	C3orf70
ZNF704. 11	2.87E-33	0.393102	0.302	0.116	4.29E-29	CSCL2	ZNF704
CSF1R. 13	4.04E-33	-1.03361	0.024	0.278	6.03E-29	CSCL2	CSF1R
ILF3. 9	4.05E-33	0.389985	0.656	0.402	6.05E-29	CSCL2	ILF3
TIMP1. 10	4.49E-33	-0.77127	0.411	0.629	6.71E-29	CSCL2	TIMP1
TSPAN13. 1	6.13E-33	0.407212	0.563	0.288	9.16E-29	CSCL2	TSPAN13
NUP35. 7	6.26E-33	0.368872	0.283	0.105	9.36E-29	CSCL2	NUP35
CMC2. 8	8.79E-33	0.39926	0.539	0.296	1.31E-28	CSCL2	CMC2

SAC3D1.11	8.99E-33	0.488271	0.36	0.162	1.34E-28	CSCL2	SAC3D1
CXCR4.10	9.16E-33	-0.88883	0.13	0.399	1.37E-28	CSCL2	CXCR4
RP11-118F	9.86E-33	0.181443	0.075	0.01	1.47E-28	CSCL2	RP11-118F19.1
PSAT1.12	1.03E-32	0.432489	0.422	0.194	1.54E-28	CSCL2	PSAT1
SMC1A.4	1.23E-32	0.421017	0.43	0.209	1.83E-28	CSCL2	SMC1A
ZNF711.1C	1.33E-32	0.373754	0.331	0.134	1.99E-28	CSCL2	ZNF711
CEBPB.11	1.95E-32	-0.69543	0.177	0.445	2.91E-28	CSCL2	CEBPB
NPPA.9	2.38E-32	0.294466	0.119	0.025	3.55E-28	CSCL2	NPPA
TP73	2.51E-32	0.265226	0.126	0.028	3.76E-28	CSCL2	TP73
FXD5.13	3.05E-32	-0.98012	0.091	0.35	4.55E-28	CSCL2	FXD5
SYNGR2.12	3.46E-32	-0.83746	0.079	0.338	5.17E-28	CSCL2	SYNGR2
SPSB4.11	3.60E-32	0.292611	0.183	0.054	5.38E-28	CSCL2	SPSB4
SNRPE.10	3.70E-32	0.336934	0.808	0.57	5.53E-28	CSCL2	SNRPE
ATP6VOB.1	4.02E-32	-0.43695	0.724	0.801	6.00E-28	CSCL2	ATP6VOB
RAC3.12	4.68E-32	0.412305	0.382	0.175	6.99E-28	CSCL2	RAC3
C4orf27.8	4.76E-32	0.371285	0.558	0.309	7.11E-28	CSCL2	C4orf27
CTSH.13	4.91E-32	-0.93599	0.051	0.305	7.33E-28	CSCL2	CTSH
NTM.10	4.91E-32	0.340651	0.289	0.104	7.34E-28	CSCL2	NTM
CENPQ.4	5.13E-32	0.334836	0.256	0.092	7.67E-28	CSCL2	CENPQ
BCHE.10	5.64E-32	0.468958	0.389	0.178	8.43E-28	CSCL2	BCHE
MEIS1.10	5.94E-32	0.304968	0.236	0.081	8.88E-28	CSCL2	MEIS1
IFITM2.13	6.69E-32	-0.92236	0.038	0.293	1.00E-27	CSCL2	IFITM2
IQGAP3.2	7.89E-32	0.214715	0.077	0.011	1.18E-27	CSCL2	IQGAP3
GPSM3.13	8.96E-32	-1.01284	0.026	0.272	1.34E-27	CSCL2	GPSM3
CSTB.11	8.99E-32	-0.54352	0.536	0.696	1.34E-27	CSCL2	CSTB
CTA-384D8	9.63E-32	0.202565	0.11	0.022	1.44E-27	CSCL2	CTA-384D8.36
PPIA.6	1.01E-31	0.179305	0.969	0.871	1.51E-27	CSCL2	PPIA
CD163.13	1.15E-31	-1.06578	0.04	0.285	1.73E-27	CSCL2	CD163
C10orf54.	1.21E-31	-1.02848	0.051	0.298	1.81E-27	CSCL2	C10orf54
ZNF3.8	1.27E-31	0.390656	0.419	0.197	1.90E-27	CSCL2	ZNF3
CHRDL1.3	1.31E-31	0.28059	0.141	0.035	1.96E-27	CSCL2	CHRDL1
TRA2B.9	2.28E-31	0.343751	0.744	0.532	3.41E-27	CSCL2	TRA2B
PLAUR.13	2.41E-31	-1.07792	0.135	0.376	3.60E-27	CSCL2	PLAUR
RFWD3.4	2.77E-31	0.375111	0.181	0.053	4.14E-27	CSCL2	RFWD3
RBBP4.6	3.15E-31	0.385022	0.651	0.422	4.70E-27	CSCL2	RBBP4
SUMO2.8	4.93E-31	0.205936	0.936	0.817	7.37E-27	CSCL2	SUMO2
METTL1.8	5.36E-31	0.483984	0.325	0.14	8.00E-27	CSCL2	METTL1
SESTD1.8	5.46E-31	0.399428	0.349	0.151	8.16E-27	CSCL2	SESTD1
CRB1.7	5.62E-31	0.256863	0.203	0.062	8.40E-27	CSCL2	CRB1
FCGR1A.13	6.04E-31	-1.04632	0.026	0.268	9.03E-27	CSCL2	FCGR1A
LSM3.3	6.31E-31	0.314907	0.784	0.551	9.43E-27	CSCL2	LSM3
GSTK1.10	6.81E-31	-0.72013	0.302	0.539	1.02E-26	CSCL2	GSTK1
MPHOSPH9.	7.84E-31	0.398526	0.283	0.11	1.17E-26	CSCL2	MPHOSPH9
BEX1.11	8.19E-31	0.370304	0.627	0.34	1.22E-26	CSCL2	BEX1
MEIS2.11	8.60E-31	0.354271	0.424	0.194	1.29E-26	CSCL2	MEIS2
SAMSN1.13	9.39E-31	-0.9738	0.022	0.261	1.40E-26	CSCL2	SAMSN1
SRI.10	9.83E-31	0.241767	0.905	0.722	1.47E-26	CSCL2	SRI
SPATS2.11	1.05E-30	0.413037	0.477	0.25	1.56E-26	CSCL2	SPATS2
GRIA2.11	1.09E-30	0.401242	0.422	0.203	1.63E-26	CSCL2	GRIA2
CACNA1A.1	1.17E-30	0.289829	0.256	0.089	1.74E-26	CSCL2	CACNA1A
CD99.7	1.46E-30	-0.63115	0.457	0.645	2.18E-26	CSCL2	CD99



HNRNPUL1.	1.	67E-30	0.375301	0.609	0.375	2.50E-26	CSCL2	HNRNPUL1
GEN1.	1.	78E-30	0.198131	0.106	0.021	2.66E-26	CSCL2	GEN1
CCNE1.	1.	18E-30	0.262912	0.117	0.026	3.26E-26	CSCL2	CCNE1
LAPTM4B.	1.	3.06E-30	0.417194	0.567	0.322	4.58E-26	CSCL2	LAPTM4B
EGR1.	9.	3.84E-30	0.42429	0.695	0.488	5.73E-26	CSCL2	EGR1
TPGS2.	6.	4.02E-30	0.433346	0.567	0.329	6.01E-26	CSCL2	TPGS2
MDM2.	7.	4.98E-30	0.603769	0.389	0.199	7.45E-26	CSCL2	MDM2
CHAC2.	2.	5.06E-30	0.232227	0.155	0.041	7.55E-26	CSCL2	CHAC2
HN1.	8.	5.46E-30	0.33586	0.876	0.667	8.16E-26	CSCL2	HN1
ACAT2.	10.	5.66E-30	0.440863	0.49	0.269	8.45E-26	CSCL2	ACAT2
FAM212B.	1.	5.88E-30	0.300541	0.254	0.093	8.79E-26	CSCL2	FAM212B
THEMIS2.	1.	6.05E-30	-0.87053	0.018	0.251	9.04E-26	CSCL2	THEMIS2
ZNF107.	1.	9.09E-30	0.264581	0.139	0.035	1.36E-25	CSCL2	ZNF107
ABAT.	12.	9.30E-30	0.364976	0.347	0.152	1.39E-25	CSCL2	ABAT
CBR3.	8.	9.48E-30	0.419484	0.258	0.099	1.42E-25	CSCL2	CBR3
KIF5A.	10.	1.04E-29	0.39122	0.289	0.115	1.55E-25	CSCL2	KIF5A
SLC11A1.	1.	1.09E-29	-0.94773	0.075	0.314	1.63E-25	CSCL2	SLC11A1
NUP62.	7.	1.22E-29	0.329899	0.455	0.228	1.82E-25	CSCL2	NUP62
SDC1.	7.	1.30E-29	0.290595	0.157	0.044	1.95E-25	CSCL2	SDC1
HNRNPH3.	1.	1.37E-29	0.37102	0.664	0.437	2.04E-25	CSCL2	HNRNPH3
LBR.	9.	1.52E-29	0.422827	0.439	0.224	2.27E-25	CSCL2	LBR
IL13RA1.	1.	1.75E-29	-0.73344	0.024	0.258	2.62E-25	CSCL2	IL13RA1
PSPC1.	10.	1.97E-29	0.404253	0.415	0.203	2.94E-25	CSCL2	PSPC1
TMEM35.	10.	2.01E-29	0.299906	0.245	0.085	3.00E-25	CSCL2	TMEM35
ACTL6A.	9.	2.07E-29	0.380117	0.472	0.249	3.10E-25	CSCL2	ACTL6A
C3AR1.	13.	2.11E-29	-0.98961	0.018	0.247	3.15E-25	CSCL2	C3AR1
CREM.	11.	2.13E-29	-0.71065	0.159	0.416	3.19E-25	CSCL2	CREM
SRPK2.	9.	2.27E-29	0.409463	0.647	0.401	3.40E-25	CSCL2	SRPK2
CPSF6.	8.	2.28E-29	0.406105	0.543	0.321	3.40E-25	CSCL2	CPSF6
LILRB4.	13.	2.53E-29	-0.97602	0.031	0.264	3.79E-25	CSCL2	LILRB4
TBXAS1.	13.	2.62E-29	-0.8975	0.02	0.25	3.92E-25	CSCL2	TBXAS1
TIA1.	13.	2.91E-29	0.368801	0.459	0.24	4.34E-25	CSCL2	TIA1
XP01.	5.	2.94E-29	0.392962	0.468	0.25	4.40E-25	CSCL2	XP01
LRRCC1.	8.	2.99E-29	0.394359	0.305	0.129	4.47E-25	CSCL2	LRRCC1
ZC4H2.	7.	3.59E-29	0.288078	0.168	0.048	5.37E-25	CSCL2	ZC4H2
ZFPM2.	6.	3.79E-29	0.244473	0.115	0.025	5.67E-25	CSCL2	ZFPM2
HNRNPA1L2.	3.	3.86E-29	0.421546	0.397	0.193	5.77E-25	CSCL2	HNRNPA1L2
SF3B3.	6.	3.91E-29	0.364397	0.386	0.182	5.84E-25	CSCL2	SF3B3
FIP1L1.	8.	4.01E-29	0.443708	0.501	0.288	6.00E-25	CSCL2	FIP1L1
CLIC1.	9.	4.42E-29	-0.54002	0.419	0.631	6.61E-25	CSCL2	CLIC1
HMOX1.	13.	4.74E-29	-0.97609	0.068	0.304	7.08E-25	CSCL2	HMOX1
MTHFD1.	8.	5.03E-29	0.424244	0.373	0.18	7.52E-25	CSCL2	MTHFD1
LIMA1.	12.	5.51E-29	0.429442	0.541	0.309	8.24E-25	CSCL2	LIMA1
S100A10.	1.	7.07E-29	-0.66246	0.3	0.554	1.06E-24	CSCL2	S100A10
GPR183.	13.	7.72E-29	-1.06159	0.066	0.299	1.15E-24	CSCL2	GPR183
HAVCR2.	13.	7.80E-29	-0.96236	0.015	0.24	1.17E-24	CSCL2	HAVCR2
CDH24.	2.	8.66E-29	0.222764	0.126	0.03	1.29E-24	CSCL2	CDH24
GPR34.	13.	1.04E-28	-1.0354	0.046	0.276	1.55E-24	CSCL2	GPR34
CLOCK.	8.	1.13E-28	0.429239	0.291	0.122	1.68E-24	CSCL2	CLOCK
DNASE2.	9.	1.22E-28	-0.67907	0.146	0.393	1.82E-24	CSCL2	DNASE2
SEPT2.	6.	1.27E-28	0.29264	0.775	0.573	1.90E-24	CSCL2	2-Sep

CEP85	1. 38E-28	0. 172439	0. 108	0. 023	2. 06E-24	CSCL2	CEP85
MIS18BP1.	1. 52E-28	0. 374327	0. 331	0. 139	2. 27E-24	CSCL2	MIS18BP1
SUV39H1. 2	1. 52E-28	0. 240001	0. 128	0. 031	2. 27E-24	CSCL2	SUV39H1
E2F7. 1	1. 55E-28	0. 134149	0. 071	0. 011	2. 32E-24	CSCL2	E2F7
CHCHD3. 8	1. 57E-28	0. 362717	0. 589	0. 36	2. 34E-24	CSCL2	CHCHD3
TPP1. 10	1. 57E-28	-0. 6908	0. 086	0. 332	2. 34E-24	CSCL2	TPP1
SRSF1. 7	1. 60E-28	0. 335153	0. 627	0. 388	2. 40E-24	CSCL2	SRSF1
CAMKK1	1. 91E-28	0. 214332	0. 102	0. 021	2. 86E-24	CSCL2	CAMKK1
SCFD2. 4	2. 00E-28	0. 326266	0. 23	0. 082	2. 99E-24	CSCL2	SCFD2
GRID2. 5	2. 21E-28	0. 248936	0. 152	0. 042	3. 30E-24	CSCL2	GRID2
ADAM22. 9	2. 74E-28	0. 311558	0. 185	0. 058	4. 09E-24	CSCL2	ADAM22
MASTL. 4	2. 77E-28	0. 401879	0. 132	0. 033	4. 14E-24	CSCL2	MASTL
FSCN1. 10	3. 20E-28	0. 371569	0. 709	0. 496	4. 78E-24	CSCL2	FSCN1
PPAT. 10	3. 32E-28	0. 485701	0. 305	0. 137	4. 96E-24	CSCL2	PPAT
ADORA3. 13	3. 52E-28	-0. 9691	0. 044	0. 269	5. 25E-24	CSCL2	ADORA3
FAM221A. 1	3. 53E-28	0. 29813	0. 375	0. 17	5. 27E-24	CSCL2	FAM221A
HOXC9. 12	3. 54E-28	0. 287429	0. 232	0. 079	5. 29E-24	CSCL2	HOXC9
KCNAB3	3. 68E-28	0. 211078	0. 119	0. 028	5. 50E-24	CSCL2	KCNAB3
RIF1. 10	3. 81E-28	0. 400101	0. 417	0. 212	5. 69E-24	CSCL2	RIF1
RPA2. 5	3. 82E-28	0. 3829	0. 545	0. 31	5. 71E-24	CSCL2	RPA2
RUVBL2. 8	4. 05E-28	0. 459635	0. 534	0. 309	6. 06E-24	CSCL2	RUVBL2
NRCAM. 12	4. 37E-28	0. 36007	0. 481	0. 261	6. 53E-24	CSCL2	NRCAM
DCLRE1B. 3	4. 77E-28	0. 267418	0. 17	0. 051	7. 12E-24	CSCL2	DCLRE1B
OSTF1. 11	4. 82E-28	-0. 83687	0. 068	0. 3	7. 20E-24	CSCL2	OSTF1
MARCKS. 1C	5. 60E-28	0. 324585	0. 81	0. 589	8. 37E-24	CSCL2	MARCKS
DCTN2. 7	6. 13E-28	0. 494778	0. 664	0. 501	9. 17E-24	CSCL2	DCTN2
NUDT10. 8	6. 13E-28	0. 210037	0. 161	0. 046	9. 17E-24	CSCL2	NUDT10
KIF21A. 13	6. 75E-28	0. 470319	0. 517	0. 294	1. 01E-23	CSCL2	KIF21A
RNF219. 6	7. 17E-28	0. 360042	0. 272	0. 108	1. 07E-23	CSCL2	RNF219
OXCT1. 8	7. 34E-28	0. 465774	0. 313	0. 141	1. 10E-23	CSCL2	OXCT1
PCDH11X. 2	7. 97E-28	0. 232191	0. 106	0. 023	1. 19E-23	CSCL2	PCDH11X
CCT6A. 7	9. 66E-28	0. 316098	0. 77	0. 567	1. 44E-23	CSCL2	CCT6A
EMP3. 12	9. 98E-28	-0. 64056	0. 194	0. 459	1. 49E-23	CSCL2	EMP3
OLR1. 13	9. 98E-28	-0. 96891	0. 038	0. 259	1. 49E-23	CSCL2	OLR1
HNRNPA3. 6	1. 08E-27	0. 320398	0. 757	0. 546	1. 62E-23	CSCL2	HNRNPA3
BRIX1. 10	1. 16E-27	0. 381704	0. 461	0. 245	1. 74E-23	CSCL2	BRIX1
MAGED1. 11	1. 19E-27	0. 353225	0. 578	0. 335	1. 78E-23	CSCL2	MAGED1
NT5C3A. 1C	1. 30E-27	0. 352043	0. 517	0. 285	1. 95E-23	CSCL2	NT5C3A
NAP1L4. 1C	1. 64E-27	0. 366776	0. 62	0. 395	2. 45E-23	CSCL2	NAP1L4
PCDHB16. 1	1. 67E-27	0. 337093	0. 307	0. 133	2. 50E-23	CSCL2	PCDHB16
SNRPA. 6	1. 70E-27	0. 360499	0. 459	0. 244	2. 54E-23	CSCL2	SNRPA
MVP. 7	1. 78E-27	-0. 65728	0. 015	0. 234	2. 65E-23	CSCL2	MVP
RNPS1. 6	1. 81E-27	0. 313708	0. 746	0. 526	2. 70E-23	CSCL2	RNPS1
LGALS9. 13	1. 81E-27	-0. 88996	0. 029	0. 249	2. 70E-23	CSCL2	LGALS9
SOX1. 1	2. 01E-27	0. 151304	0. 075	0. 012	3. 01E-23	CSCL2	SOX1
KIAA1841. 2	0. 7E-27	0. 228622	0. 19	0. 061	3. 09E-23	CSCL2	KIAA1841
EFNB1. 7	2. 09E-27	0. 283954	0. 243	0. 09	3. 13E-23	CSCL2	EFNB1
TMEM219. 1	2. 13E-27	-0. 58925	0. 342	0. 569	3. 18E-23	CSCL2	TMEM219
RAB20. 11	2. 20E-27	-0. 81031	0. 024	0. 245	3. 29E-23	CSCL2	RAB20
ZNF184. 2	2. 38E-27	0. 218155	0. 159	0. 045	3. 56E-23	CSCL2	ZNF184
ZNF530. 6	2. 43E-27	0. 323314	0. 174	0. 055	3. 63E-23	CSCL2	ZNF530

STOM.11	2.71E-27	-0.73928	0.035	0.26	4.05E-23	CSCL2	STOM
TRIB2.13	2.80E-27	0.422201	0.475	0.254	4.18E-23	CSCL2	TRIB2
PTOV1.12	3.25E-27	0.370425	0.675	0.429	4.86E-23	CSCL2	PTOV1
CADM2.10	3.32E-27	0.321925	0.391	0.18	4.96E-23	CSCL2	CADM2
CCT5.10	3.35E-27	0.336058	0.713	0.473	5.01E-23	CSCL2	CCT5
C5AR1.12	4.27E-27	-0.93617	0.029	0.246	6.38E-23	CSCL2	C5AR1
KIRREL3.3	4.40E-27	0.16888	0.108	0.024	6.57E-23	CSCL2	KIRREL3
NFIX.12	4.89E-27	0.361391	0.558	0.323	7.30E-23	CSCL2	NFIX
SPI1.13	6.18E-27	-0.845	0.031	0.247	9.24E-23	CSCL2	SPI1
B3GALT2.6	6.26E-27	0.212388	0.126	0.031	9.35E-23	CSCL2	B3GALT2
LDHB.8	6.69E-27	0.242183	0.943	0.772	1.00E-22	CSCL2	LDHB
UBTF.10	6.96E-27	0.404102	0.417	0.219	1.04E-22	CSCL2	UBTF
EWSR1.5	7.15E-27	0.345775	0.682	0.456	1.07E-22	CSCL2	EWSR1
ZDHHC22.8	8.57E-27	0.229838	0.143	0.039	1.28E-22	CSCL2	ZDHHC22
SEPT7.12	9.00E-27	0.292077	0.907	0.695	1.34E-22	CSCL2	7-Sep
MYEF2.11	9.83E-27	0.455066	0.373	0.186	1.47E-22	CSCL2	MYEF2
HHIP-AS1.	9.84E-27	0.147673	0.088	0.017	1.47E-22	CSCL2	HHIP-AS1
UBA2.10	9.90E-27	0.423243	0.572	0.349	1.48E-22	CSCL2	UBA2
MIS12.8	1.05E-26	0.344968	0.307	0.135	1.57E-22	CSCL2	MIS12
RAP1A.11	1.15E-26	-0.63134	0.309	0.524	1.71E-22	CSCL2	RAP1A
TSPAN7.9	1.26E-26	0.314074	0.545	0.301	1.89E-22	CSCL2	TSPAN7
ZNF300.1C	1.27E-26	0.270572	0.194	0.064	1.89E-22	CSCL2	ZNF300
ARC.9	1.28E-26	0.361274	0.415	0.2	1.91E-22	CSCL2	ARC
CASP4.11	1.43E-26	-0.77157	0.022	0.236	2.13E-22	CSCL2	CASP4
ACOT7.10	1.46E-26	0.416546	0.422	0.219	2.19E-22	CSCL2	ACOT7
PPM1D.4	1.47E-26	0.311725	0.236	0.089	2.20E-22	CSCL2	PPM1D
SIX1.9	1.54E-26	0.253752	0.17	0.052	2.30E-22	CSCL2	SIX1
LNX1.8	1.54E-26	0.316008	0.192	0.064	2.31E-22	CSCL2	LNX1
FGF9.11	1.69E-26	0.19913	0.161	0.046	2.52E-22	CSCL2	FGF9
ABI2.11	1.70E-26	0.381106	0.583	0.353	2.54E-22	CSCL2	ABI2
IFI30.13	1.71E-26	-0.91662	0.018	0.227	2.56E-22	CSCL2	IFI30
NOTCH1.7	1.92E-26	0.361045	0.258	0.105	2.87E-22	CSCL2	NOTCH1
KLRC2.11	2.21E-26	0.320471	0.267	0.103	3.31E-22	CSCL2	KLRC2
TUBGCP3.3	2.40E-26	0.284928	0.254	0.099	3.59E-22	CSCL2	TUBGCP3
DIRAS2.1C	2.89E-26	0.285398	0.181	0.058	4.31E-22	CSCL2	DIRAS2
CLU.11	3.11E-26	-0.54927	0.702	0.786	4.65E-22	CSCL2	CLU
HYLS1.2	3.54E-26	0.327938	0.128	0.033	5.29E-22	CSCL2	HYLS1
RILPL2.11	3.64E-26	-0.80516	0.049	0.267	5.44E-22	CSCL2	RILPL2
POMZP3.8	3.74E-26	0.297338	0.221	0.081	5.59E-22	CSCL2	POMZP3
BORA.2	3.77E-26	0.285903	0.115	0.028	5.63E-22	CSCL2	BORA
AES.12	4.02E-26	0.353111	0.636	0.401	6.01E-22	CSCL2	AES
TGFB1.12	4.41E-26	-0.65414	0.038	0.253	6.60E-22	CSCL2	TGFB1
SMOC1.7	4.60E-26	0.214316	0.124	0.031	6.88E-22	CSCL2	SMOC1
IPO9.9	5.10E-26	0.358349	0.426	0.224	7.62E-22	CSCL2	IPO9
THSD7A.11	5.52E-26	0.277375	0.325	0.135	8.25E-22	CSCL2	THSD7A
RNF182.8	5.80E-26	0.255813	0.152	0.045	8.66E-22	CSCL2	RNF182
C18orf54.	6.08E-26	0.177065	0.086	0.017	9.09E-22	CSCL2	C18orf54
TAGLN3.11	6.14E-26	0.310157	0.393	0.18	9.18E-22	CSCL2	TAGLN3
RNF168.7	6.28E-26	0.295969	0.32	0.141	9.38E-22	CSCL2	RNF168
MEG3.10	6.73E-26	0.306212	0.552	0.295	1.01E-21	CSCL2	MEG3
HAUS1.3	7.29E-26	0.369814	0.428	0.223	1.09E-21	CSCL2	HAUS1

RCN2.12	7.62E-26	0.349119	0.713	0.457	1.14E-21	CSCL2	RCN2
ANXA1.10	7.63E-26	-0.67947	0.168	0.42	1.14E-21	CSCL2	ANXA1
RARRES2.1	7.95E-26	0.177401	0.338	0.142	1.19E-21	CSCL2	RARRES2
RAD51C.9	7.96E-26	0.386509	0.464	0.259	1.19E-21	CSCL2	RAD51C
NAE1.9	8.31E-26	0.360495	0.552	0.332	1.24E-21	CSCL2	NAE1
ING2.7	9.07E-26	0.372404	0.391	0.199	1.35E-21	CSCL2	ING2
ZNF519.4	1.02E-25	0.281638	0.137	0.038	1.53E-21	CSCL2	ZNF519
TPRKB.9	1.07E-25	0.332654	0.581	0.355	1.61E-21	CSCL2	TPRKB
ZNF462.11	1.08E-25	0.338865	0.353	0.17	1.62E-21	CSCL2	ZNF462
CKAP5.11	1.09E-25	0.44707	0.318	0.15	1.62E-21	CSCL2	CKAP5
CALU.11	1.18E-25	0.315512	0.62	0.394	1.76E-21	CSCL2	CALU
PNN.10	1.34E-25	0.350058	0.614	0.393	2.00E-21	CSCL2	PNN
CDC25B.1C	1.43E-25	0.52552	0.366	0.187	2.13E-21	CSCL2	CDC25B
NRM.5	1.46E-25	0.321133	0.214	0.079	2.18E-21	CSCL2	NRM
TP53.5	1.47E-25	0.299938	0.265	0.108	2.19E-21	CSCL2	TP53
CDC5L.8	1.53E-25	0.403758	0.479	0.273	2.28E-21	CSCL2	CDC5L
SNRNP200.1	1.55E-25	0.317486	0.494	0.276	2.32E-21	CSCL2	SNRNP200
LY96.12	1.57E-25	-0.64846	0.022	0.231	2.35E-21	CSCL2	LY96
RND3.11	1.62E-25	0.363959	0.45	0.234	2.42E-21	CSCL2	RND3
GYPC.11	1.82E-25	-0.68055	0.091	0.318	2.71E-21	CSCL2	GYPC
NLGN1.11	1.84E-25	0.370777	0.296	0.131	2.74E-21	CSCL2	NLGN1
PSMC3.6	2.28E-25	0.303996	0.748	0.521	3.40E-21	CSCL2	PSMC3
APOC2.12	2.34E-25	-1.0238	0	0.197	3.50E-21	CSCL2	APOC2
PTBP2.10	2.41E-25	0.309674	0.254	0.1	3.60E-21	CSCL2	PTBP2
APOC1.12	2.46E-25	-0.91434	0.382	0.521	3.68E-21	CSCL2	APOC1
KIAA1549.2	2.53E-25	0.26755	0.234	0.088	3.78E-21	CSCL2	KIAA1549
PDS5B.8	2.73E-25	0.336713	0.34	0.16	4.09E-21	CSCL2	PDS5B
TMBIM1.1C	2.78E-25	-0.64613	0.038	0.253	4.16E-21	CSCL2	TMBIM1
SNRPD1.6	3.10E-25	0.285474	0.77	0.555	4.64E-21	CSCL2	SNRPD1
CHD9.6	3.12E-25	0.356626	0.66	0.459	4.66E-21	CSCL2	CHD9
CD86.13	3.26E-25	-0.87282	0.018	0.221	4.87E-21	CSCL2	CD86
SUGP2.9	3.37E-25	0.4318	0.433	0.239	5.04E-21	CSCL2	SUGP2
EVI2B.13	3.84E-25	-0.85382	0.011	0.21	5.74E-21	CSCL2	EVI2B
CTSZ.13	4.20E-25	-0.82785	0.055	0.264	6.27E-21	CSCL2	CTSZ
PTMS.12	4.77E-25	0.370484	0.79	0.544	7.12E-21	CSCL2	PTMS
CHN1.12	4.79E-25	0.40056	0.404	0.208	7.16E-21	CSCL2	CHN1
KLHDC8A.1	5.18E-25	0.437585	0.446	0.242	7.73E-21	CSCL2	KLHDC8A
STMN3.11	5.30E-25	0.344145	0.525	0.298	7.92E-21	CSCL2	STMN3
UBL7-AS1.5	5.88E-25	0.266855	0.163	0.052	8.79E-21	CSCL2	UBL7-AS1
DHRS2.6	6.94E-25	0.293462	0.026	0.002	1.04E-20	CSCL2	DHRS2
POLD2.10	7.45E-25	0.283175	0.642	0.412	1.11E-20	CSCL2	POLD2
OLFML3.12	7.48E-25	-0.83806	0.029	0.234	1.12E-20	CSCL2	OLFML3
CD300A.13	7.84E-25	-0.80926	0.004	0.199	1.17E-20	CSCL2	CD300A
KIAA1211.8	7.70E-25	0.175655	0.099	0.022	1.30E-20	CSCL2	KIAA1211
TYMP.13	9.11E-25	-0.82709	0.104	0.315	1.36E-20	CSCL2	TYMP
CSF2RA.12	1.01E-24	-0.87686	0.013	0.21	1.50E-20	CSCL2	CSF2RA
TCP1.9	1.08E-24	0.301569	0.733	0.514	1.61E-20	CSCL2	TCP1
C14orf132.1	1.09E-24	0.225544	0.234	0.086	1.63E-20	CSCL2	C14orf132
CORO1A.13	1.15E-24	-0.8829	0.181	0.38	1.72E-20	CSCL2	CORO1A
GAA.12	1.23E-24	-0.65387	0.108	0.328	1.84E-20	CSCL2	GAA
TUSC1.8	1.25E-24	0.235062	0.208	0.073	1.87E-20	CSCL2	TUSC1

TTY14.1	1.26E-24	0.138144	0.086	0.017	1.89E-20	CSCL2	TTY14
LANCL2.11	1.27E-24	0.418905	0.325	0.145	1.89E-20	CSCL2	LANCL2
MFSD1.13	1.39E-24	-0.73997	0.135	0.352	2.08E-20	CSCL2	MFSD1
PLIN2.11	1.39E-24	-0.96725	0.143	0.35	2.08E-20	CSCL2	PLIN2
ASF1A.10	1.49E-24	0.389694	0.424	0.227	2.23E-20	CSCL2	ASF1A
SPIN4	1.61E-24	0.176689	0.086	0.018	2.41E-20	CSCL2	SPIN4
SLC16A9.7	1.72E-24	0.233494	0.146	0.044	2.57E-20	CSCL2	SLC16A9
IFNGR1.12	1.77E-24	-0.71636	0.238	0.445	2.64E-20	CSCL2	IFNGR1
BRD7.9	2.35E-24	0.355051	0.446	0.246	3.51E-20	CSCL2	BRD7
CD320.11	2.56E-24	0.404457	0.532	0.309	3.83E-20	CSCL2	CD320
USP46.10	2.71E-24	0.410495	0.287	0.131	4.05E-20	CSCL2	USP46
TM4SF1.13	2.83E-24	0.275696	0.258	0.107	4.23E-20	CSCL2	TM4SF1
CTNNAL1.1	3.08E-24	0.388676	0.302	0.141	4.60E-20	CSCL2	CTNNAL1
HTATSF1.7	3.61E-24	0.36078	0.477	0.266	5.40E-20	CSCL2	HTATSF1
UBXN2A.9	3.89E-24	0.310207	0.36	0.18	5.81E-20	CSCL2	UBXN2A
U2AF1.6	3.99E-24	0.284292	0.812	0.624	5.96E-20	CSCL2	U2AF1
SNCAIP.12	4.26E-24	0.290638	0.212	0.08	6.37E-20	CSCL2	SNCAIP
MAGOHB.8	5.15E-24	0.429956	0.422	0.23	7.69E-20	CSCL2	MAGOHB
PGP.7	5.46E-24	0.390872	0.397	0.212	8.15E-20	CSCL2	PGP
GNG11.5	5.68E-24	0.180738	0.126	0.034	8.48E-20	CSCL2	GNG11
PPIH.6	5.80E-24	0.310603	0.419	0.22	8.67E-20	CSCL2	PPIH
EPS8.5	5.93E-24	0.306233	0.285	0.12	8.86E-20	CSCL2	EPS8
CCP110.9	6.57E-24	0.299163	0.276	0.118	9.82E-20	CSCL2	CCP110
CDKN1B.11	7.97E-24	0.34977	0.464	0.251	1.19E-19	CSCL2	CDKN1B
TUBB2A.12	8.61E-24	0.340343	0.746	0.467	1.29E-19	CSCL2	TUBB2A
DCLRE1C.6	1.01E-23	0.332316	0.28	0.124	1.50E-19	CSCL2	DCLRE1C
PTPRC.13	1.01E-23	-0.78462	0.018	0.211	1.51E-19	CSCL2	PTPRC
RGS2.11	1.02E-23	-0.83584	0.276	0.452	1.53E-19	CSCL2	RGS2
RARRES3.7	1.05E-23	-0.83967	0.046	0.251	1.56E-19	CSCL2	RARRES3
GNB2.10	1.09E-23	0.29901	0.746	0.562	1.63E-19	CSCL2	GNB2
G2E3.3	1.10E-23	0.442425	0.241	0.099	1.65E-19	CSCL2	G2E3
FOXRED2.4	1.41E-23	0.266316	0.205	0.078	2.11E-19	CSCL2	FOXRED2
SERPING1.1	1.45E-23	-1.05573	0.042	0.242	2.16E-19	CSCL2	SERPING1
RP11-332H	1.52E-23	0.324555	0.274	0.121	2.27E-19	CSCL2	RP11-332H14.2
IL18.13	1.59E-23	-0.80368	0.011	0.2	2.38E-19	CSCL2	IL18
ZNF100.3	1.61E-23	0.237076	0.181	0.062	2.41E-19	CSCL2	ZNF100
TDP1.3	1.62E-23	0.258643	0.168	0.055	2.42E-19	CSCL2	TDP1
CDH10.1	1.62E-23	0.19495	0.108	0.027	2.43E-19	CSCL2	CDH10
KLHL7.10	1.67E-23	0.334845	0.477	0.271	2.50E-19	CSCL2	KLHL7
EMC9.5	1.73E-23	0.471388	0.338	0.171	2.59E-19	CSCL2	EMC9
LAIR1.13	1.86E-23	-0.84574	0.042	0.238	2.77E-19	CSCL2	LAIR1
GMCL1.7	1.90E-23	0.322724	0.32	0.152	2.85E-19	CSCL2	GMCL1
PLXDC2.13	1.91E-23	-0.78233	0.024	0.217	2.85E-19	CSCL2	PLXDC2
SUZ12.7	2.02E-23	0.369307	0.362	0.188	3.03E-19	CSCL2	SUZ12
RPA1.3	2.46E-23	0.330009	0.428	0.232	3.68E-19	CSCL2	RPA1
CTDSP2.7	2.63E-23	0.484597	0.442	0.27	3.93E-19	CSCL2	CTDSP2
UNG.7	2.79E-23	0.346703	0.265	0.116	4.17E-19	CSCL2	UNG
PGRMC1.1C	2.86E-23	0.337231	0.653	0.439	4.27E-19	CSCL2	PGRMC1
NUPR1.11	2.86E-23	-0.7053	0.11	0.332	4.28E-19	CSCL2	NUPR1
SDCBP.10	2.89E-23	-0.42811	0.618	0.733	4.32E-19	CSCL2	SDCBP
PTPRS.13	3.76E-23	0.36481	0.45	0.25	5.62E-19	CSCL2	PTPRS

C7orf50.7	4.42E-23	0.300524	0.706	0.5	6.60E-19	CSCL2	C7orf50
TSPAN3.11	4.97E-23	0.330105	0.662	0.451	7.43E-19	CSCL2	TSPAN3
RASSF4.12	5.02E-23	-0.65686	0.121	0.338	7.50E-19	CSCL2	RASSF4
DHRS7.11	5.98E-23	-0.63266	0.395	0.563	8.93E-19	CSCL2	DHRS7
GJC1.8	6.02E-23	0.298659	0.17	0.059	8.99E-19	CSCL2	GJC1
CACYBP.7	6.03E-23	0.29539	0.711	0.498	9.02E-19	CSCL2	CACYBP
PFDN5.10	6.30E-23	-0.29834	0.85	0.885	9.42E-19	CSCL2	PFDN5
C4orf3.8	6.44E-23	-0.49097	0.523	0.651	9.63E-19	CSCL2	C4orf3
POLR2B.9	6.67E-23	0.433382	0.435	0.255	9.96E-19	CSCL2	POLR2B
PAXIP1-AS	6.82E-23	0.336534	0.318	0.152	1.02E-18	CSCL2	PAXIP1-AS1
SEZ6L.11	7.08E-23	0.37031	0.289	0.129	1.06E-18	CSCL2	SEZ6L
AFF3.7	7.38E-23	0.23596	0.155	0.048	1.10E-18	CSCL2	AFF3
MTSS1.8	7.76E-23	0.2506	0.417	0.205	1.16E-18	CSCL2	MTSS1
HAUS5.3	8.04E-23	0.251437	0.174	0.06	1.20E-18	CSCL2	HAUS5
TMEM179.2	8.19E-23	0.172712	0.099	0.023	1.22E-18	CSCL2	TMEM179
MEOX2.11	8.72E-23	0.272491	0.199	0.074	1.30E-18	CSCL2	MEOX2
SQSTM1.8	8.77E-23	-0.49664	0.366	0.53	1.31E-18	CSCL2	SQSTM1
TRAF4.12	8.82E-23	0.381698	0.461	0.261	1.32E-18	CSCL2	TRAF4
SMIM18.11	9.36E-23	0.244616	0.172	0.056	1.40E-18	CSCL2	SMIM18
MYOT.1	9.36E-23	0.136141	0.057	0.009	1.40E-18	CSCL2	MYOT
ELAVL3.13	9.61E-23	0.338949	0.519	0.302	1.44E-18	CSCL2	ELAVL3
ANXA2R.12	1.00E-22	0.292173	0.311	0.146	1.50E-18	CSCL2	ANXA2R
TNFAIP6.9	1.10E-22	0.424014	0.249	0.104	1.64E-18	CSCL2	TNFAIP6
MYL6B.12	1.22E-22	0.331632	0.667	0.433	1.82E-18	CSCL2	MYL6B
MNDA.13	1.23E-22	-0.77597	0.004	0.184	1.84E-18	CSCL2	MNDA
CYBB.13	1.27E-22	-0.77185	0.015	0.199	1.90E-18	CSCL2	CYBB
ZNF75A.10	1.32E-22	0.308308	0.391	0.207	1.97E-18	CSCL2	ZNF75A
CXXC4.10	1.40E-22	0.234844	0.199	0.073	2.10E-18	CSCL2	CXXC4
MYO10.12	1.42E-22	0.374108	0.366	0.187	2.12E-18	CSCL2	MYO10
NOP56.8	1.42E-22	0.317162	0.62	0.405	2.12E-18	CSCL2	NOP56
TNPO3.5	1.51E-22	0.353737	0.296	0.136	2.26E-18	CSCL2	TNPO3
NRGN.2	1.54E-22	0.201356	0.126	0.036	2.30E-18	CSCL2	NRGN
GRIA4.10	1.55E-22	0.28146	0.28	0.123	2.31E-18	CSCL2	GRIA4
SF3A2.8	1.58E-22	0.314927	0.446	0.252	2.36E-18	CSCL2	SF3A2
SP100.11	1.58E-22	-0.65277	0.086	0.295	2.36E-18	CSCL2	SP100
GSTO1.10	1.63E-22	-0.6087	0.254	0.464	2.44E-18	CSCL2	GSTO1
VWCE	1.67E-22	0.142732	0.086	0.019	2.49E-18	CSCL2	VWCE
GGCT.9	1.86E-22	0.243228	0.592	0.378	2.78E-18	CSCL2	GGCT
WRAP53.2	1.95E-22	0.277642	0.21	0.081	2.92E-18	CSCL2	WRAP53
LAMP2.8	2.08E-22	-0.60052	0.276	0.479	3.11E-18	CSCL2	LAMP2
AP001347.2	2.13E-22	0.225784	0.097	0.023	3.18E-18	CSCL2	AP001347.6
TNFRSF1A.2	2.32E-22	-0.50324	0.172	0.38	3.46E-18	CSCL2	TNFRSF1A
CTDSPL2.5	2.33E-22	0.295544	0.245	0.104	3.48E-18	CSCL2	CTDSPL2
KCTD12.13	2.34E-22	-0.62085	0.046	0.244	3.50E-18	CSCL2	KCTD12
IER2.11	2.48E-22	0.344107	0.735	0.61	3.70E-18	CSCL2	IER2
SLBP.8	2.53E-22	0.387265	0.488	0.304	3.79E-18	CSCL2	SLBP
CTCF.8	2.73E-22	0.384136	0.32	0.157	4.08E-18	CSCL2	CTCF
KCND2.5	2.81E-22	0.169619	0.119	0.032	4.20E-18	CSCL2	KCND2
TGFBI.13	3.00E-22	-0.77717	0.026	0.212	4.48E-18	CSCL2	TGFBI
ALDH7A1.8	3.26E-22	0.358687	0.461	0.268	4.87E-18	CSCL2	ALDH7A1
EFS.9	3.38E-22	0.25792	0.241	0.1	5.05E-18	CSCL2	EFS

EIF2AK1.1	3.68E-22	0.351835	0.53	0.324	5.49E-18	CSCL2	EIF2AK1
ST6GAL2.7	3.72E-22	0.208081	0.121	0.034	5.56E-18	CSCL2	ST6GAL2
CAPZB.12	3.93E-22	-0.45185	0.605	0.705	5.88E-18	CSCL2	CAPZB
NOP58.10	4.37E-22	0.335951	0.488	0.284	6.53E-18	CSCL2	NOP58
UNC93B1.1	4.68E-22	-0.60073	0.024	0.208	6.99E-18	CSCL2	UNC93B1
PBRM1.9	5.04E-22	0.355446	0.422	0.232	7.53E-18	CSCL2	PBRM1
CD164.11	5.35E-22	-0.48252	0.289	0.498	7.99E-18	CSCL2	CD164
C1orf54.1	5.45E-22	-0.69328	0.042	0.233	8.15E-18	CSCL2	C1orf54
DPYSL4.13	5.87E-22	0.331491	0.307	0.148	8.77E-18	CSCL2	DPYSL4
BAZ2B.8	5.96E-22	0.331051	0.517	0.312	8.91E-18	CSCL2	BAZ2B
PRDX5.8	6.92E-22	-0.41044	0.651	0.746	1.03E-17	CSCL2	PRDX5
TOP3A.3	6.97E-22	0.259348	0.214	0.085	1.04E-17	CSCL2	TOP3A
CYSTM1.11	6.98E-22	-0.57029	0.121	0.333	1.04E-17	CSCL2	CYSTM1
RBBP7.9	7.82E-22	0.286854	0.627	0.416	1.17E-17	CSCL2	RBBP7
PCSK1N.12	7.87E-22	0.299143	0.693	0.409	1.18E-17	CSCL2	PCSK1N
CHCHD10.1	9.42E-22	-0.50577	0.181	0.389	1.41E-17	CSCL2	CHCHD10
CDC42BPA.9	9.96E-22	0.371078	0.34	0.172	1.49E-17	CSCL2	CDC42BPA
PKIA.12	1.01E-21	0.231282	0.227	0.088	1.50E-17	CSCL2	PKIA
CD81.10	1.01E-21	-0.65455	0.245	0.446	1.51E-17	CSCL2	CD81
CREG1.12	1.02E-21	-0.61474	0.104	0.305	1.53E-17	CSCL2	CREG1
XRCC3.2	1.05E-21	0.224026	0.113	0.031	1.58E-17	CSCL2	XRCC3
IFI35.11	1.10E-21	-0.55587	0.042	0.239	1.64E-17	CSCL2	IFI35
CDH2.12	1.23E-21	0.394126	0.475	0.277	1.84E-17	CSCL2	CDH2
BHLHE41.9	1.27E-21	-0.57123	0.029	0.215	1.90E-17	CSCL2	BHLHE41
PTBP1.9	1.30E-21	0.339413	0.51	0.316	1.95E-17	CSCL2	PTBP1
TRIM24.12	1.33E-21	0.328531	0.358	0.185	1.98E-17	CSCL2	TRIM24
BRD8.8	1.34E-21	0.35773	0.318	0.156	2.00E-17	CSCL2	BRD8
GRIK3.8	1.41E-21	0.23334	0.135	0.041	2.11E-17	CSCL2	GRIK3
ELF1.11	1.51E-21	-0.67973	0.06	0.251	2.26E-17	CSCL2	ELF1
FARSB.9	1.56E-21	0.334349	0.413	0.225	2.33E-17	CSCL2	FARSB
HNRNPU.8	1.56E-21	0.29809	0.724	0.522	2.33E-17	CSCL2	HNRNPU
MFI2-AS1.1	1.61E-21	0.318224	0.185	0.071	2.40E-17	CSCL2	MFI2-AS1
ING5.6	1.66E-21	0.248885	0.254	0.111	2.48E-17	CSCL2	ING5
ABI3.13	1.71E-21	-0.75818	0.02	0.197	2.55E-17	CSCL2	ABI3
HLA-DQA2.1	1.81E-21	-0.97055	0.007	0.179	2.70E-17	CSCL2	HLA-DQA2
SPOCD1.1C	1.85E-21	-0.85393	0.04	0.225	2.76E-17	CSCL2	SPOCD1
RP11-1275	1.87E-21	0.186048	0.166	0.056	2.79E-17	CSCL2	RP11-1275H24.1
PLCXD1.1	1.96E-21	0.216432	0.148	0.048	2.92E-17	CSCL2	PLCXD1
PPDPF.9	1.96E-21	0.212464	0.879	0.704	2.93E-17	CSCL2	PPDPF
TRIM28.9	2.07E-21	0.327396	0.426	0.243	3.09E-17	CSCL2	TRIM28
YWHAE.11	2.26E-21	0.231493	0.916	0.746	3.37E-17	CSCL2	YWHAE
SLITRK1.2	2.33E-21	0.119844	0.086	0.019	3.49E-17	CSCL2	SLITRK1
KBTBD2.4	2.35E-21	0.281171	0.252	0.109	3.50E-17	CSCL2	KBTBD2
LRRC4.4	2.36E-21	0.183673	0.137	0.041	3.53E-17	CSCL2	LRRC4
ZIK1.5	2.60E-21	0.203843	0.148	0.048	3.88E-17	CSCL2	ZIK1
LINC00844	2.62E-21	0.244676	0.245	0.101	3.91E-17	CSCL2	LINC00844
ACAP3.11	2.66E-21	0.325258	0.386	0.209	3.98E-17	CSCL2	ACAP3
RALY.7	2.69E-21	0.322998	0.68	0.447	4.03E-17	CSCL2	RALY
MAP3K8.13	2.71E-21	-0.72276	0.015	0.19	4.05E-17	CSCL2	MAP3K8
MGST2.12	2.76E-21	-0.73556	0.071	0.261	4.13E-17	CSCL2	MGST2
WBP5.9	2.96E-21	0.208914	0.717	0.494	4.42E-17	CSCL2	WBP5

FRS2.8	3.09E-21	0.406407	0.241	0.106	4.62E-17	CSCL2	FRS2
LRP4.9	3.22E-21	0.193264	0.161	0.055	4.81E-17	CSCL2	LRP4
GLRX5.10	3.32E-21	0.436031	0.477	0.289	4.97E-17	CSCL2	GLRX5
SPINT2.13	3.93E-21	-0.69443	0.042	0.223	5.88E-17	CSCL2	SPINT2
SASS6.4	3.99E-21	0.272698	0.163	0.057	5.97E-17	CSCL2	SASS6
TMEM176A.4	4.22E-21	-0.80055	0.051	0.234	6.30E-17	CSCL2	TMEM176A
FCGBP.12	4.27E-21	-0.93493	0.055	0.236	6.38E-17	CSCL2	FCGBP
SLCO2B1.1	4.66E-21	-0.8173	0.046	0.228	6.97E-17	CSCL2	SLCO2B1
GBP2.10	4.68E-21	-0.56804	0.031	0.215	7.00E-17	CSCL2	GBP2
ZNF114	4.92E-21	0.15295	0.084	0.019	7.36E-17	CSCL2	ZNF114
TCF12.12	4.97E-21	0.385644	0.47	0.276	7.43E-17	CSCL2	TCF12
HP1BP3.11	5.13E-21	0.369773	0.634	0.434	7.66E-17	CSCL2	HP1BP3
C12orf57.5	5.64E-21	0.245829	0.742	0.528	8.43E-17	CSCL2	C12orf57
CLEC7A.13	6.70E-21	-0.71279	0.011	0.182	1.00E-16	CSCL2	CLEC7A
CDK5RAP2.7	1.6E-21	0.297933	0.247	0.107	1.07E-16	CSCL2	CDK5RAP2
RAB32.12	8.09E-21	-0.49698	0.057	0.246	1.21E-16	CSCL2	RAB32
PRADC1.1C	8.98E-21	0.36626	0.384	0.21	1.34E-16	CSCL2	PRADC1
ENOPH1.11	9.01E-21	0.323627	0.585	0.381	1.35E-16	CSCL2	ENOPH1
ZNF326.9	9.95E-21	0.355254	0.417	0.241	1.49E-16	CSCL2	ZNF326
S100A9.13	1.02E-20	-0.94154	0.051	0.231	1.52E-16	CSCL2	S100A9
SLC7A7.13	1.04E-20	-0.69942	0.011	0.181	1.55E-16	CSCL2	SLC7A7
FAM26F.13	1.08E-20	-0.64886	0.007	0.173	1.62E-16	CSCL2	FAM26F
CSPG5.11	1.09E-20	0.360039	0.241	0.103	1.62E-16	CSCL2	CSPG5
SMARCC1.1	1.14E-20	0.356435	0.426	0.248	1.70E-16	CSCL2	SMARCC1
SLA.13	1.15E-20	-0.76337	0.033	0.209	1.73E-16	CSCL2	SLA
WHSC1L1.1	1.21E-20	0.322011	0.565	0.365	1.81E-16	CSCL2	WHSC1L1
ERV3-1.12	1.25E-20	0.263552	0.455	0.253	1.86E-16	CSCL2	ERV3-1
FAM3C.12	1.32E-20	0.359187	0.62	0.429	1.97E-16	CSCL2	FAM3C
RQCD1.4	1.39E-20	0.318139	0.349	0.181	2.08E-16	CSCL2	RQCD1
ZNF625.4	1.43E-20	0.198374	0.141	0.046	2.13E-16	CSCL2	ZNF625
HNRNPDL.7	1.44E-20	0.152416	0.901	0.793	2.14E-16	CSCL2	HNRNPDL
ZNF232.9	1.62E-20	0.321724	0.192	0.075	2.42E-16	CSCL2	ZNF232
TPR.9	1.66E-20	0.307642	0.603	0.397	2.48E-16	CSCL2	TPR
TRAPPC1.6	1.72E-20	-0.46219	0.475	0.621	2.57E-16	CSCL2	TRAPPC1
RAF1.10	1.74E-20	0.306555	0.455	0.27	2.60E-16	CSCL2	RAF1
ADD2.10	1.77E-20	0.266599	0.208	0.083	2.64E-16	CSCL2	ADD2
CPSF4.7	1.84E-20	0.307004	0.358	0.189	2.75E-16	CSCL2	CPSF4
TCERG1.8	1.85E-20	0.310721	0.369	0.198	2.77E-16	CSCL2	TCERG1
BHLHE40.1	1.90E-20	-0.50351	0.024	0.2	2.83E-16	CSCL2	BHLHE40
ILKAP.8	1.93E-20	0.297977	0.4	0.222	2.88E-16	CSCL2	ILKAP
MAPK10.11	2.13E-20	0.265763	0.362	0.188	3.19E-16	CSCL2	MAPK10
COPS6.7	2.16E-20	0.216513	0.795	0.596	3.23E-16	CSCL2	COPS6
SRSF7.4	2.17E-20	0.223892	0.764	0.584	3.24E-16	CSCL2	SRSF7
HAUS3.4	2.19E-20	0.226902	0.203	0.079	3.27E-16	CSCL2	HAUS3
VEZF1.12	2.21E-20	0.301693	0.415	0.231	3.30E-16	CSCL2	VEZF1
RDX.12	2.22E-20	0.302652	0.709	0.482	3.32E-16	CSCL2	RDX
RP11-161M	2.25E-20	0.28668	0.327	0.16	3.37E-16	CSCL2	RP11-161M6.2
PGAP1.12	2.37E-20	0.353073	0.34	0.177	3.55E-16	CSCL2	PGAP1
PSMD1.7	2.37E-20	0.339497	0.508	0.315	3.55E-16	CSCL2	PSMD1
LMO7.2	2.38E-20	0.266575	0.119	0.035	3.56E-16	CSCL2	LMO7
USP11.10	2.39E-20	0.361319	0.554	0.344	3.57E-16	CSCL2	USP11



TTF1.6	2.58E-20	0.32551	0.364	0.197	3.85E-16	CSCL2	TTF1
ASIC4.11	2.61E-20	0.214709	0.3	0.133	3.90E-16	CSCL2	ASIC4
HNRNPH1.7	2.77E-20	0.358923	0.625	0.45	4.14E-16	CSCL2	HNRNPH1
CTC-260E6	2.87E-20	0.197528	0.088	0.021	4.30E-16	CSCL2	CTC-260E6.6
PHTF2.4	2.90E-20	0.258574	0.214	0.086	4.34E-16	CSCL2	PHTF2
TOPBP1.8	3.09E-20	0.29763	0.212	0.088	4.62E-16	CSCL2	TOPBP1
Clorf106	3.21E-20	0.129178	0.073	0.015	4.80E-16	CSCL2	Clorf106
ZNF430.8	3.22E-20	0.294928	0.353	0.183	4.81E-16	CSCL2	ZNF430
AXL.12	3.35E-20	-0.67071	0.018	0.187	5.01E-16	CSCL2	AXL
FGL2.13	3.53E-20	-0.71197	0.015	0.183	5.28E-16	CSCL2	FGL2
CHRNA5.1	3.66E-20	0.176694	0.099	0.026	5.47E-16	CSCL2	CHRNA5
PRR4.11	3.83E-20	0.299714	0.386	0.21	5.72E-16	CSCL2	PRR4
ENAH.12	3.84E-20	0.335963	0.437	0.257	5.75E-16	CSCL2	ENAH
MSR1.13	3.94E-20	-0.70962	0.018	0.186	5.88E-16	CSCL2	MSR1
ARL6IP1.7	4.08E-20	0.287342	0.868	0.737	6.10E-16	CSCL2	ARL6IP1
PLEK.13	4.09E-20	-0.75045	0.015	0.181	6.12E-16	CSCL2	PLEK
CLIP2.10	4.24E-20	0.261682	0.336	0.17	6.34E-16	CSCL2	CLIP2
SEP15.6	4.33E-20	-0.44402	0.543	0.661	6.48E-16	CSCL2	15-Sep
HSPD1.10	4.65E-20	0.235619	0.77	0.608	6.95E-16	CSCL2	HSPD1
REV1.6	4.65E-20	0.28916	0.322	0.161	6.95E-16	CSCL2	REV1
ADAP2.13	4.66E-20	-0.69289	0.022	0.19	6.96E-16	CSCL2	ADAP2
LAT2.13	4.74E-20	-0.76168	0.038	0.209	7.08E-16	CSCL2	LAT2
LIN52	4.79E-20	0.223098	0.155	0.054	7.16E-16	CSCL2	LIN52
MZT2A.10	5.51E-20	0.303354	0.623	0.405	8.23E-16	CSCL2	MZT2A
DLX1.12	6.59E-20	0.243024	0.256	0.109	9.84E-16	CSCL2	DLX1
CRABP1.1	6.97E-20	0.32095	0.053	0.009	1.04E-15	CSCL2	CRABP1
RSBN1L.10	7.19E-20	0.262458	0.556	0.347	1.08E-15	CSCL2	RSBN1L
EBF1.2	7.46E-20	0.119598	0.068	0.014	1.12E-15	CSCL2	EBF1
CHI3L2.8	7.91E-20	-1.20881	0.02	0.187	1.18E-15	CSCL2	CHI3L2
GTF2I.11	8.31E-20	0.311999	0.6	0.42	1.24E-15	CSCL2	GTF2I
PRKDC.9	8.95E-20	0.331975	0.461	0.285	1.34E-15	CSCL2	PRKDC
REC8.6	9.56E-20	0.266184	0.19	0.073	1.43E-15	CSCL2	REC8
TMED10.6	9.83E-20	-0.48161	0.475	0.619	1.47E-15	CSCL2	TMED10
SAAL1.7	1.05E-19	0.317856	0.265	0.122	1.57E-15	CSCL2	SAAL1
LRRC4C.8	1.06E-19	0.217741	0.219	0.09	1.58E-15	CSCL2	LRRC4C
GLI3	1.11E-19	0.180418	0.095	0.025	1.65E-15	CSCL2	GLI3
ID2.10	1.13E-19	-0.49721	0.541	0.659	1.69E-15	CSCL2	ID2
FOLR2.13	1.17E-19	-0.9162	0.02	0.184	1.74E-15	CSCL2	FOLR2
KCNQ10T1.1	1.17E-19	0.325309	0.466	0.271	1.75E-15	CSCL2	KCNQ10T1
HBEGF.13	1.22E-19	-0.67169	0.046	0.222	1.82E-15	CSCL2	HBEGF
CELF5.12	1.26E-19	0.195843	0.219	0.086	1.89E-15	CSCL2	CELF5
FCGR1B.12	1.32E-19	-0.75038	0.009	0.169	1.98E-15	CSCL2	FCGR1B
DPP7.10	1.36E-19	-0.47098	0.285	0.474	2.03E-15	CSCL2	DPP7
HIST2H2AC	1.36E-19	0.28226	0.152	0.054	2.04E-15	CSCL2	HIST2H2AC
COMMD6.7	1.41E-19	-0.36422	0.7	0.779	2.10E-15	CSCL2	COMMD6
DHPS.9	1.43E-19	0.279255	0.647	0.439	2.13E-15	CSCL2	DHPS
BCL7A.10	1.46E-19	0.271915	0.298	0.144	2.19E-15	CSCL2	BCL7A
KAT7.7	1.48E-19	0.274533	0.291	0.142	2.20E-15	CSCL2	KAT7
NMT2.9	1.48E-19	0.258281	0.219	0.093	2.21E-15	CSCL2	NMT2
PSPH.12	1.54E-19	0.27781	0.305	0.151	2.30E-15	CSCL2	PSPH
VSTM2L.1	1.58E-19	0.127871	0.057	0.01	2.37E-15	CSCL2	VSTM2L

NKD1. 3	1. 81E-19	0. 180436	0. 11	0. 031	2. 71E-15	CSCL2	NKD1
MATR3. 12	1. 86E-19	0. 31422	0. 673	0. 479	2. 79E-15	CSCL2	MATR3
IER3. 13	1. 89E-19	-0. 7729	0. 073	0. 248	2. 82E-15	CSCL2	IER3
TSC22D1. 1	1. 90E-19	0. 269227	0. 777	0. 501	2. 85E-15	CSCL2	TSC22D1
KMT2A. 12	2. 00E-19	0. 314125	0. 404	0. 229	2. 99E-15	CSCL2	KMT2A
C16orf87. 2	2. 04E-19	0. 262045	0. 369	0. 198	3. 04E-15	CSCL2	C16orf87
SIGIRR. 9	2. 08E-19	-0. 4959	0. 031	0. 203	3. 11E-15	CSCL2	SIGIRR
NEK6. 9	2. 10E-19	-0. 50579	0. 106	0. 297	3. 14E-15	CSCL2	NEK6
RNF149. 13	2. 11E-19	-0. 63635	0. 095	0. 278	3. 15E-15	CSCL2	RNF149
GOLM1. 12	2. 23E-19	0. 320194	0. 512	0. 308	3. 33E-15	CSCL2	GOLM1
RP5-1177M	2. 23E-19	0. 202851	0. 132	0. 041	3. 33E-15	CSCL2	RP5-1177M21. 1
SFT2D1. 12	2. 26E-19	-0. 5677	0. 358	0. 507	3. 38E-15	CSCL2	SFT2D1
LIMS1. 12	2. 28E-19	-0. 58992	0. 278	0. 446	3. 40E-15	CSCL2	LIMS1
HEXA. 11	2. 28E-19	-0. 54943	0. 201	0. 397	3. 40E-15	CSCL2	HEXA
HCK. 13	2. 29E-19	-0. 65947	0. 013	0. 173	3. 43E-15	CSCL2	HCK
HIGD2A. 9	2. 42E-19	-0. 44487	0. 479	0. 624	3. 62E-15	CSCL2	HIGD2A
SIAH1. 9	2. 51E-19	0. 300217	0. 4	0. 222	3. 75E-15	CSCL2	SIAH1
POU3F3. 12	2. 52E-19	0. 288779	0. 3	0. 148	3. 76E-15	CSCL2	POU3F3
IGSF6. 13	2. 82E-19	-0. 70509	0. 004	0. 159	4. 21E-15	CSCL2	IGSF6
EVI2A. 12	3. 07E-19	-0. 78776	0. 057	0. 23	4. 58E-15	CSCL2	EVI2A
EN2. 2	3. 26E-19	0. 13275	0. 088	0. 022	4. 87E-15	CSCL2	EN2
RIMKLB. 9	3. 39E-19	0. 262381	0. 298	0. 145	5. 07E-15	CSCL2	RIMKLB
MBOAT2. 12	3. 59E-19	0. 396053	0. 329	0. 176	5. 36E-15	CSCL2	MBOAT2
CHEK2. 6	3. 65E-19	0. 215821	0. 137	0. 045	5. 46E-15	CSCL2	CHEK2
FUBP1. 12	3. 75E-19	0. 318147	0. 393	0. 218	5. 61E-15	CSCL2	FUBP1
EFCAB2. 4	3. 78E-19	0. 275599	0. 219	0. 092	5. 65E-15	CSCL2	EFCAB2
NDE1. 7	4. 02E-19	0. 289403	0. 227	0. 1	6. 00E-15	CSCL2	NDE1
MYH10. 10	4. 15E-19	0. 307916	0. 296	0. 147	6. 20E-15	CSCL2	MYH10
FKBP2. 6	4. 40E-19	-0. 44098	0. 433	0. 596	6. 57E-15	CSCL2	FKBP2
HDGF. 7	4. 61E-19	0. 425601	0. 428	0. 267	6. 89E-15	CSCL2	HDGF
ARPC1A. 9	4. 64E-19	0. 20414	0. 751	0. 55	6. 93E-15	CSCL2	ARPC1A
KLF12. 9	4. 77E-19	0. 223523	0. 199	0. 08	7. 12E-15	CSCL2	KLF12
LTC4S. 13	4. 80E-19	-0. 6705	0. 015	0. 174	7. 17E-15	CSCL2	LTC4S
SLC38A1. 9	4. 82E-19	0. 250766	0. 296	0. 135	7. 21E-15	CSCL2	SLC38A1
TMEM150A. 4	4. 99E-19	-0. 45522	0. 002	0. 155	7. 46E-15	CSCL2	TMEM150A
SEPT10. 5	5. 16E-19	0. 285822	0. 245	0. 112	7. 71E-15	CSCL2	10-Sep
BCAP31. 7	5. 60E-19	-0. 45853	0. 479	0. 624	8. 37E-15	CSCL2	BCAP31
CEP70. 8	6. 08E-19	0. 376083	0. 214	0. 093	9. 09E-15	CSCL2	CEP70
GPANK1. 6	6. 62E-19	0. 286976	0. 344	0. 187	9. 89E-15	CSCL2	GPANK1
TNFSF13B. 6	6. 64E-19	-0. 67161	0. 042	0. 21	9. 93E-15	CSCL2	TNFSF13B
RNASE2. 13	6. 81E-19	-0. 7455	0. 009	0. 164	1. 02E-14	CSCL2	RNASE2
SELT. 6	6. 84E-19	-0. 41895	0. 539	0. 664	1. 02E-14	CSCL2	SELT
FYB. 13	7. 31E-19	-0. 73854	0. 06	0. 229	1. 09E-14	CSCL2	FYB
PDAP1. 9	7. 50E-19	0. 224725	0. 72	0. 528	1. 12E-14	CSCL2	PDAP1
TFPI. 7	7. 75E-19	0. 231703	0. 146	0. 05	1. 16E-14	CSCL2	TFPI
NIF3L1. 4	8. 15E-19	0. 282781	0. 252	0. 115	1. 22E-14	CSCL2	NIF3L1
LINC01094	8. 24E-19	-0. 66733	0. 007	0. 16	1. 23E-14	CSCL2	LINC01094
SRP9. 7	8. 59E-19	0. 225045	0. 863	0. 674	1. 28E-14	CSCL2	SRP9
SMARCB1. 1	8. 71E-19	0. 284474	0. 611	0. 406	1. 30E-14	CSCL2	SMARCB1
NOM1. 7	8. 79E-19	0. 273692	0. 243	0. 111	1. 31E-14	CSCL2	NOM1
COA1. 7	9. 05E-19	0. 24512	0. 587	0. 389	1. 35E-14	CSCL2	COA1

CD83.12	9.49E-19	-0.83487	0.13	0.301	1.42E-14	CSCL2	CD83
BEND5.9	9.64E-19	0.210766	0.278	0.131	1.44E-14	CSCL2	BEND5
FABP7.11	9.82E-19	0.332502	0.62	0.374	1.47E-14	CSCL2	FABP7
GADD45B.9	1.03E-18	-0.62723	0.34	0.496	1.54E-14	CSCL2	GADD45B
RIC3.9	1.11E-18	0.220017	0.406	0.224	1.67E-14	CSCL2	RIC3
RPAIN.10	1.13E-18	0.248291	0.698	0.477	1.70E-14	CSCL2	RPAIN
SERPINF1.1	1.14E-18	-0.70223	0.06	0.231	1.71E-14	CSCL2	SERPINF1
PARVG.13	1.19E-18	-0.66999	0.013	0.168	1.77E-14	CSCL2	PARVG
S100A8.13	1.28E-18	-0.89427	0.031	0.191	1.92E-14	CSCL2	S100A8
COPG2.8	1.31E-18	0.24294	0.245	0.112	1.96E-14	CSCL2	COPG2
MED30.8	1.36E-18	0.322733	0.426	0.247	2.03E-14	CSCL2	MED30
WIPI1.9	1.39E-18	-0.53104	0.029	0.192	2.07E-14	CSCL2	WIPI1
MFGE8.9	1.45E-18	0.33692	0.34	0.184	2.17E-14	CSCL2	MFGE8
POLE3.5	1.45E-18	0.278754	0.419	0.24	2.17E-14	CSCL2	POLE3
ALDOA.9	1.50E-18	-0.26409	0.808	0.847	2.24E-14	CSCL2	ALDOA
CASP1.11	1.51E-18	-0.51061	0.055	0.233	2.25E-14	CSCL2	CASP1
HOXB8.2	1.51E-18	0.116224	0.073	0.016	2.25E-14	CSCL2	HOXB8
CADM4.11	1.59E-18	0.294303	0.433	0.257	2.37E-14	CSCL2	CADM4
SLC31A2.1	1.60E-18	-0.67246	0.035	0.199	2.39E-14	CSCL2	SLC31A2
TAF15.9	1.60E-18	0.35748	0.439	0.267	2.39E-14	CSCL2	TAF15
FADS1.9	1.61E-18	0.281807	0.377	0.211	2.40E-14	CSCL2	FADS1
B3GAT2.6	1.61E-18	0.231843	0.194	0.078	2.40E-14	CSCL2	B3GAT2
ANXA11.12	1.62E-18	-0.44648	0.049	0.223	2.42E-14	CSCL2	ANXA11
TM6SF1.13	1.62E-18	-0.70596	0.011	0.164	2.42E-14	CSCL2	TM6SF1
LRRC47.1C	1.62E-18	0.329698	0.377	0.21	2.43E-14	CSCL2	LRRC47
PTGES3.4	1.67E-18	0.211478	0.87	0.713	2.49E-14	CSCL2	PTGES3
SCLT1.5	1.68E-18	0.187067	0.17	0.064	2.51E-14	CSCL2	SCLT1
CALM2.9	1.73E-18	0.10723	0.976	0.931	2.59E-14	CSCL2	CALM2
CPQ.10	1.87E-18	-0.56487	0.024	0.184	2.80E-14	CSCL2	CPQ
RANGAP1.6	1.93E-18	0.238842	0.223	0.098	2.88E-14	CSCL2	RANGAP1
ATP10B.3	2.11E-18	0.13349	0.091	0.023	3.15E-14	CSCL2	ATP10B
FDPS.8	2.15E-18	0.292377	0.618	0.408	3.21E-14	CSCL2	FDPS
C7orf55.1	2.23E-18	0.26802	0.623	0.415	3.33E-14	CSCL2	C7orf55
MMP24-AS1	2.24E-18	-0.4964	0.137	0.319	3.35E-14	CSCL2	MMP24-AS1
WAS.13	2.25E-18	-0.6625	0.024	0.18	3.37E-14	CSCL2	WAS
DONSON.5	2.26E-18	0.256378	0.188	0.077	3.38E-14	CSCL2	DONSON
PPP1CC.9	2.37E-18	0.367029	0.62	0.438	3.54E-14	CSCL2	PPP1CC
RFC1.8	2.45E-18	0.288786	0.437	0.27	3.66E-14	CSCL2	RFC1
FERMT3.13	2.45E-18	-0.63395	0.018	0.172	3.66E-14	CSCL2	FERMT3
GDI1.12	2.61E-18	0.292281	0.689	0.478	3.89E-14	CSCL2	GDI1
NNAT.12	2.61E-18	0.430692	0.36	0.189	3.90E-14	CSCL2	NNAT
SNRNP40.5	2.68E-18	0.286982	0.51	0.322	4.00E-14	CSCL2	SNRNP40
SEPP1.9	2.86E-18	-0.9639	0.168	0.335	4.28E-14	CSCL2	SEPP1
CSF3R.12	3.01E-18	-0.67468	0.009	0.158	4.50E-14	CSCL2	CSF3R
CTTNBP2.9	3.08E-18	0.184214	0.283	0.131	4.60E-14	CSCL2	CTTNBP2
RBL1.3	3.10E-18	0.188373	0.135	0.046	4.63E-14	CSCL2	RBL1
IL1B.12	3.10E-18	-0.78185	0.062	0.228	4.63E-14	CSCL2	IL1B
POLR2D.5	3.14E-18	0.318696	0.269	0.133	4.70E-14	CSCL2	POLR2D
ZNF131.9	3.14E-18	0.279239	0.4	0.225	4.70E-14	CSCL2	ZNF131
PFKFB3.11	3.18E-18	-0.55883	0.077	0.251	4.75E-14	CSCL2	PFKFB3
SIGLEC10.3	3.32E-18	-0.64699	0.015	0.168	4.96E-14	CSCL2	SIGLEC10

ATP6V0E2.	3.	36E-18	0.314223	0.673	0.444	5.02E-14	CSCL2	ATP6V0E2
TMEM205.	1	3.50E-18	-0.50482	0.342	0.502	5.24E-14	CSCL2	TMEM205
ZNF212.	7	4.00E-18	0.243107	0.168	0.064	5.98E-14	CSCL2	ZNF212
SNRNP70.	9	4.04E-18	0.306385	0.66	0.468	6.03E-14	CSCL2	SNRNP70
LCP1.	12	4.04E-18	-0.60576	0.002	0.148	6.03E-14	CSCL2	LCP1
HPCA.	9	4.17E-18	0.242399	0.155	0.056	6.23E-14	CSCL2	HPCA
KNOP1.	10	4.27E-18	0.269954	0.424	0.253	6.38E-14	CSCL2	KNOP1
HAUS6.	5	4.44E-18	0.262911	0.201	0.084	6.64E-14	CSCL2	HAUS6
FBX043.	1	4.61E-18	0.122957	0.049	0.008	6.89E-14	CSCL2	FBX043
RUVBL1.	9	4.69E-18	0.252048	0.437	0.259	7.01E-14	CSCL2	RUVBL1
AAAS.	5	4.86E-18	0.331557	0.336	0.18	7.27E-14	CSCL2	AAAS
LRRTM2.	11	4.96E-18	0.272473	0.221	0.098	7.42E-14	CSCL2	LRRTM2
PSMB8.	8	4.97E-18	-0.40264	0.221	0.423	7.43E-14	CSCL2	PSMB8
DAZAP1.	5	5.05E-18	0.343563	0.391	0.225	7.55E-14	CSCL2	DAZAP1
STXBP2.	13	5.07E-18	-0.64398	0.024	0.179	7.58E-14	CSCL2	STXBP2
SLC2A5.	13	5.15E-18	-0.75011	0.022	0.176	7.69E-14	CSCL2	SLC2A5
CEP41.	5	5.19E-18	0.288171	0.291	0.145	7.75E-14	CSCL2	CEP41
FXYD7.	11	5.32E-18	0.259667	0.188	0.073	7.96E-14	CSCL2	FXYD7
SMTN.	2	5.39E-18	0.227328	0.106	0.031	8.05E-14	CSCL2	SMTN
NR4A2.	13	5.42E-18	-0.79018	0.095	0.258	8.10E-14	CSCL2	NR4A2
ZNF302.	11	5.50E-18	0.171943	0.506	0.307	8.23E-14	CSCL2	ZNF302
OLA1.	6	5.88E-18	0.250673	0.691	0.48	8.79E-14	CSCL2	OLA1
LINC00461	6.	09E-18	0.263022	0.521	0.312	9.11E-14	CSCL2	LINC00461
CSTF3.	10	6.55E-18	0.331825	0.435	0.26	9.80E-14	CSCL2	CSTF3
ACP1.	7	6.69E-18	0.285675	0.689	0.491	1.00E-13	CSCL2	ACP1
SERPINB6.	6.	72E-18	-0.43451	0.313	0.484	1.00E-13	CSCL2	SERPINB6
TAGLN2.	11	6.76E-18	-0.309	0.285	0.524	1.01E-13	CSCL2	TAGLN2
SH3BP4.	4	6.93E-18	0.211749	0.181	0.073	1.04E-13	CSCL2	SH3BP4
DHX9.	8	7.16E-18	0.296395	0.444	0.272	1.07E-13	CSCL2	DHX9
DCTN3.	6	8.27E-18	0.301678	0.693	0.509	1.24E-13	CSCL2	DCTN3
PLD4.	13	8.29E-18	-0.67474	0.011	0.159	1.24E-13	CSCL2	PLD4
FEZ1.	12	8.52E-18	0.254762	0.662	0.42	1.27E-13	CSCL2	FEZ1
PHACTR3.	1	8.74E-18	0.200711	0.188	0.073	1.31E-13	CSCL2	PHACTR3
LYN.	13	9.12E-18	-0.51449	0.024	0.18	1.36E-13	CSCL2	LYN
MGAT1.	11	9.21E-18	-0.57986	0.188	0.364	1.38E-13	CSCL2	MGAT1
EXOG.	10	9.23E-18	0.279321	0.291	0.151	1.38E-13	CSCL2	EXOG
SLC37A3.	8	9.46E-18	0.253288	0.26	0.124	1.41E-13	CSCL2	SLC37A3
STAB1.	12	9.60E-18	-0.69535	0.018	0.167	1.43E-13	CSCL2	STAB1
ENTPD1.	13	9.70E-18	-0.63971	0.018	0.168	1.45E-13	CSCL2	ENTPD1
LAMTOR1.	6	9.82E-18	-0.3862	0.565	0.658	1.47E-13	CSCL2	LAMTOR1
IRF8.	13	1.01E-17	-0.6383	0.015	0.164	1.52E-13	CSCL2	IRF8
JUN.	8	1.03E-17	0.299938	0.819	0.666	1.54E-13	CSCL2	JUN
FUCA1.	10	1.04E-17	-0.54681	0.06	0.226	1.55E-13	CSCL2	FUCA1
TLN1.	11	1.10E-17	-0.48483	0.11	0.292	1.64E-13	CSCL2	TLN1
TTF2.	4	1.15E-17	0.175664	0.161	0.061	1.72E-13	CSCL2	TTF2
ATP5E.	10	1.19E-17	-0.22645	0.896	0.915	1.78E-13	CSCL2	ATP5E
F13A1.	10	1.21E-17	-0.82137	0.015	0.165	1.82E-13	CSCL2	F13A1
TREM1.	12	1.28E-17	-0.79112	0.02	0.17	1.92E-13	CSCL2	TREM1
TNFRSF1B.	1.	31E-17	-0.55467	0.035	0.194	1.95E-13	CSCL2	TNFRSF1B
TMEM161B-	1.	34E-17	0.286541	0.468	0.282	2.00E-13	CSCL2	TMEM161B-AS1
RP3-525N1	1.	34E-17	0.216098	0.294	0.144	2.01E-13	CSCL2	RP3-525N10.2

OAZ1. 9	1. 35E-17	-0. 20164	0. 936	0. 926	2. 02E-13	CSCL2	OAZ1
SELM. 10	1. 36E-17	-0. 48231	0. 033	0. 195	2. 03E-13	CSCL2	SELM
FAXC. 10	1. 36E-17	0. 226257	0. 196	0. 081	2. 03E-13	CSCL2	FAXC
CD4. 13	1. 36E-17	-0. 61232	0. 013	0. 161	2. 04E-13	CSCL2	CD4
PSMD14. 9	1. 37E-17	0. 274274	0. 66	0. 459	2. 05E-13	CSCL2	PSMD14
POLD1. 2	1. 39E-17	0. 187727	0. 148	0. 053	2. 08E-13	CSCL2	POLD1
CCDC77. 3	1. 45E-17	0. 239688	0. 148	0. 054	2. 16E-13	CSCL2	CCDC77
RHOC. 9	1. 45E-17	-0. 43097	0. 386	0. 539	2. 17E-13	CSCL2	RHOC
HOXB5. 2	1. 46E-17	0. 113863	0. 064	0. 013	2. 18E-13	CSCL2	HOXB5
LSP1. 13	1. 49E-17	-0. 72414	0. 022	0. 172	2. 23E-13	CSCL2	LSP1
ARMC1. 9	1. 50E-17	0. 295102	0. 435	0. 257	2. 25E-13	CSCL2	ARMC1
CYTH2. 11	1. 63E-17	0. 346207	0. 508	0. 334	2. 44E-13	CSCL2	CYTH2
CEP128. 2	1. 67E-17	0. 151802	0. 073	0. 017	2. 50E-13	CSCL2	CEP128
STRIP2. 1	1. 68E-17	0. 146321	0. 075	0. 018	2. 51E-13	CSCL2	STRIP2
ZNF274. 6	1. 71E-17	0. 220352	0. 236	0. 106	2. 56E-13	CSCL2	ZNF274
SNCA. 13	1. 77E-17	-0. 66195	0. 007	0. 15	2. 65E-13	CSCL2	SNCA
TOE1. 1	1. 91E-17	0. 269701	0. 168	0. 065	2. 85E-13	CSCL2	TOE1
CCNG2. 10	1. 98E-17	0. 271971	0. 338	0. 175	2. 95E-13	CSCL2	CCNG2
RNF165. 10	2. 06E-17	0. 204956	0. 166	0. 064	3. 08E-13	CSCL2	RNF165
SOCS3. 12	2. 07E-17	-0. 4677	0. 17	0. 356	3. 09E-13	CSCL2	SOCS3
AP4M1. 10	2. 12E-17	0. 283818	0. 344	0. 187	3. 17E-13	CSCL2	AP4M1
ICAM1. 9	2. 15E-17	-0. 54747	0. 02	0. 17	3. 22E-13	CSCL2	ICAM1
PCDHB10. 1	2. 22E-17	0. 217882	0. 223	0. 097	3. 31E-13	CSCL2	PCDHB10
ZBED1. 6	2. 23E-17	0. 239179	0. 272	0. 134	3. 33E-13	CSCL2	ZBED1
COL20A1. 1	2. 33E-17	0. 137242	0. 068	0. 015	3. 48E-13	CSCL2	COL20A1
NUP88. 6	2. 33E-17	0. 271113	0. 254	0. 123	3. 48E-13	CSCL2	NUP88
NDUFA1. 6	2. 41E-17	-0. 35991	0. 664	0. 726	3. 60E-13	CSCL2	NDUFA1
SULF1. 1	2. 48E-17	0. 134339	0. 071	0. 016	3. 71E-13	CSCL2	SULF1
MYL12B. 10	2. 51E-17	-0. 34865	0. 675	0. 729	3. 76E-13	CSCL2	MYL12B
SLC2A3. 11	2. 53E-17	-0. 63064	0. 091	0. 261	3. 78E-13	CSCL2	SLC2A3
KCTD15. 5	2. 58E-17	0. 186068	0. 126	0. 042	3. 86E-13	CSCL2	KCTD15
NBEAL1. 9	2. 63E-17	-0. 56239	0. 525	0. 67	3. 93E-13	CSCL2	NBEAL1
SDSL. 10	2. 63E-17	-0. 43915	0. 033	0. 193	3. 94E-13	CSCL2	SDSL
LYZ. 13	2. 65E-17	-0. 73731	0. 055	0. 212	3. 97E-13	CSCL2	LYZ
NCL. 8	2. 68E-17	0. 277294	0. 726	0. 548	4. 01E-13	CSCL2	NCL
CEP57L1. 8	2. 85E-17	0. 288529	0. 227	0. 106	4. 26E-13	CSCL2	CEP57L1
ANAPC16. 9	2. 88E-17	-0. 53386	0. 364	0. 532	4. 30E-13	CSCL2	ANAPC16
COX20. 8	3. 10E-17	0. 274818	0. 649	0. 452	4. 63E-13	CSCL2	COX20
NUP93. 5	3. 41E-17	0. 250873	0. 327	0. 176	5. 09E-13	CSCL2	NUP93
SCAMP2. 12	3. 43E-17	-0. 62925	0. 214	0. 381	5. 13E-13	CSCL2	SCAMP2
STRA13. 5	3. 56E-17	0. 230107	0. 647	0. 443	5. 32E-13	CSCL2	STRA13
EXOC1. 8	3. 57E-17	0. 370383	0. 4	0. 243	5. 34E-13	CSCL2	EXOC1
SRPK1. 8	3. 58E-17	0. 314349	0. 305	0. 16	5. 35E-13	CSCL2	SRPK1
IGLON5. 8	3. 61E-17	0. 138471	0. 132	0. 044	5. 40E-13	CSCL2	IGLON5
RBM4. 9	3. 77E-17	0. 216772	0. 38	0. 213	5. 64E-13	CSCL2	RBM4
HNRNPK. 9	3. 79E-17	0. 149273	0. 905	0. 784	5. 66E-13	CSCL2	HNRNPK
INTS7. 2	3. 82E-17	0. 196618	0. 15	0. 055	5. 71E-13	CSCL2	INTS7
PILRB. 7	3. 83E-17	0. 269674	0. 302	0. 155	5. 72E-13	CSCL2	PILRB
RP9. 10	4. 00E-17	0. 238795	0. 325	0. 173	5. 97E-13	CSCL2	RP9
CMTM7. 12	4. 00E-17	-0. 54179	0. 022	0. 17	5. 98E-13	CSCL2	CMTM7
SNRPF. 8	4. 42E-17	0. 231089	0. 72	0. 54	6. 61E-13	CSCL2	SNRPF

FAM213A.1	4.43E-17	0.222981	0.556	0.376	6.62E-13	CSCL2	FAM213A
FUT9.2	4.53E-17	0.110837	0.066	0.015	6.77E-13	CSCL2	FUT9
NAV2.9	4.56E-17	0.279952	0.241	0.113	6.82E-13	CSCL2	NAV2
MYO1F.13	4.60E-17	-0.64033	0.038	0.19	6.87E-13	CSCL2	MYO1F
FCGR2B.13	4.61E-17	-0.71468	0.009	0.149	6.89E-13	CSCL2	FCGR2B
CARD16.11	4.61E-17	-0.48627	0.064	0.236	6.90E-13	CSCL2	CARD16
PPP5C.9	4.66E-17	0.300982	0.316	0.171	6.97E-13	CSCL2	PPP5C
NFYB.7	4.78E-17	0.262791	0.327	0.178	7.14E-13	CSCL2	NFYB
SQRDL.13	4.88E-17	-0.58243	0.02	0.166	7.30E-13	CSCL2	SQRDL
CHIC2.6	5.00E-17	0.375895	0.389	0.238	7.47E-13	CSCL2	CHIC2
ATXN10.7	5.10E-17	0.232423	0.609	0.413	7.62E-13	CSCL2	ATXN10
AC004540.	5.21E-17	0.214788	0.185	0.075	7.79E-13	CSCL2	AC004540.5
CHCHD2.8	5.25E-17	0.103793	0.951	0.877	7.85E-13	CSCL2	CHCHD2
STX4.8	5.28E-17	-0.5444	0.143	0.321	7.89E-13	CSCL2	STX4
ZP3.4	5.30E-17	0.189682	0.17	0.067	7.92E-13	CSCL2	ZP3
CCDC74A.8	5.42E-17	0.214544	0.13	0.045	8.09E-13	CSCL2	CCDC74A
POLH.1	5.58E-17	0.196877	0.117	0.038	8.34E-13	CSCL2	POLH
CACNG4.8	5.76E-17	0.192592	0.132	0.046	8.61E-13	CSCL2	CACNG4
IQGAP1.10	5.92E-17	-0.43633	0.088	0.259	8.85E-13	CSCL2	IQGAP1
NUP160.7	6.10E-17	0.212712	0.305	0.156	9.11E-13	CSCL2	NUP160
RUNX1.11	6.11E-17	-0.46313	0.04	0.196	9.13E-13	CSCL2	RUNX1
HOXB7.5	6.13E-17	0.144315	0.157	0.057	9.17E-13	CSCL2	HOXB7
BCS1L.7	6.32E-17	0.24359	0.307	0.16	9.44E-13	CSCL2	BCS1L
RHBDF2.13	6.51E-17	-0.6236	0.033	0.183	9.73E-13	CSCL2	RHBDF2
PASK	7.08E-17	0.100192	0.062	0.013	1.06E-12	CSCL2	PASK
IDH2.8	7.23E-17	0.311792	0.596	0.42	1.08E-12	CSCL2	IDH2
SORL1.11	7.25E-17	-0.60646	0.071	0.233	1.08E-12	CSCL2	SORL1
IFI27L1.9	7.26E-17	0.318809	0.327	0.18	1.08E-12	CSCL2	IFI27L1
PTPRE.9	7.34E-17	-0.56245	0.108	0.276	1.10E-12	CSCL2	PTPRE
NCF4.13	7.58E-17	-0.64919	0.011	0.151	1.13E-12	CSCL2	NCF4
RP11-637A	7.98E-17	0.108706	0.06	0.012	1.19E-12	CSCL2	RP11-637A17.2
MT1X.10	7.99E-17	-0.71071	0.439	0.583	1.19E-12	CSCL2	MT1X
LRRC1.9	8.07E-17	0.225615	0.168	0.066	1.21E-12	CSCL2	LRRC1
CYP27B1.1	8.12E-17	0.105524	0.055	0.011	1.21E-12	CSCL2	CYP27B1
CCL2.6	8.13E-17	-0.84367	0.071	0.232	1.22E-12	CSCL2	CCL2
RPRML	8.18E-17	0.18478	0.051	0.009	1.22E-12	CSCL2	RPRML
WSCD1.11	8.31E-17	0.288331	0.256	0.126	1.24E-12	CSCL2	WSCD1
ADCY1.1	8.42E-17	0.142991	0.073	0.017	1.26E-12	CSCL2	ADCY1
FYN.11	8.75E-17	0.270129	0.51	0.319	1.31E-12	CSCL2	FYN
TTC3.11	8.93E-17	0.247787	0.726	0.508	1.33E-12	CSCL2	TTC3
DPP6.9	8.95E-17	0.262319	0.3	0.156	1.34E-12	CSCL2	DPP6
DLX6.12	9.29E-17	0.208499	0.148	0.053	1.39E-12	CSCL2	DLX6
DNMT3B	9.40E-17	0.122208	0.051	0.009	1.40E-12	CSCL2	DNMT3B
UPP1.12	9.46E-17	-0.46234	0.088	0.261	1.41E-12	CSCL2	UPP1
CYCS.5	9.51E-17	0.164683	0.881	0.728	1.42E-12	CSCL2	CYCS
SLC20A1.4	9.82E-17	0.256867	0.325	0.172	1.47E-12	CSCL2	SLC20A1
CEBPD.9	1.01E-16	-0.40899	0.283	0.466	1.50E-12	CSCL2	CEBPD
TNR.9	1.02E-16	0.205477	0.143	0.051	1.53E-12	CSCL2	TNR
SCIN.13	1.06E-16	-0.72144	0.015	0.156	1.59E-12	CSCL2	SCIN
RP11-553L	1.16E-16	0.287493	0.377	0.22	1.73E-12	CSCL2	RP11-553L6.5
PCM1.9	1.17E-16	0.287139	0.497	0.317	1.74E-12	CSCL2	PCM1

FHL1.13	1.27E-16	0.29909	0.543	0.349	1.90E-12	CSCL2	FHL1
BLM.7	1.33E-16	0.222185	0.181	0.076	1.99E-12	CSCL2	BLM
ANTXR1.7	1.44E-16	0.267703	0.196	0.086	2.16E-12	CSCL2	ANTXR1
HOXA-AS2.	1.45E-16	0.150235	0.11	0.034	2.17E-12	CSCL2	HOXA-AS2
SOX15.9	1.46E-16	0.257515	0.168	0.066	2.18E-12	CSCL2	SOX15
ARSE	1.48E-16	0.124181	0.057	0.012	2.21E-12	CSCL2	ARSE
ISG15.10	1.53E-16	-0.38225	0.17	0.364	2.29E-12	CSCL2	ISG15
DLX5.12	1.54E-16	0.209142	0.294	0.138	2.30E-12	CSCL2	DLX5
ARID2.5	1.62E-16	0.219409	0.216	0.098	2.42E-12	CSCL2	ARID2
USP53.12	1.63E-16	-0.55706	0.009	0.146	2.43E-12	CSCL2	USP53
FERMT1.8	1.67E-16	0.207934	0.132	0.046	2.50E-12	CSCL2	FERMT1
PGBD1.7	1.72E-16	0.207492	0.166	0.067	2.57E-12	CSCL2	PGBD1
REV3L.9	1.80E-16	0.295572	0.355	0.203	2.69E-12	CSCL2	REV3L
LIN54.2	1.81E-16	0.18304	0.11	0.035	2.70E-12	CSCL2	LIN54
PTPN6.13	1.84E-16	-0.59533	0.024	0.167	2.74E-12	CSCL2	PTPN6
POLR2J3.1	1.85E-16	0.228762	0.508	0.332	2.76E-12	CSCL2	POLR2J3
PIK3IP1.1	1.88E-16	-0.57996	0.022	0.166	2.81E-12	CSCL2	PIK3IP1
PLSCR1.11	1.99E-16	-0.63082	0.199	0.366	2.97E-12	CSCL2	PLSCR1
NT5C3B.12	2.05E-16	0.28655	0.51	0.324	3.06E-12	CSCL2	NT5C3B
GIMAP4.13	2.16E-16	-0.65477	0.015	0.155	3.23E-12	CSCL2	GIMAP4
IGF2BP3.1	2.22E-16	0.280948	0.219	0.103	3.32E-12	CSCL2	IGF2BP3
CNTROB.3	2.31E-16	0.252848	0.17	0.07	3.46E-12	CSCL2	CNTROB
GSDMD.12	2.39E-16	-0.46784	0.038	0.191	3.58E-12	CSCL2	GSDMD
ARHGAP18.	2.59E-16	-0.5681	0.031	0.178	3.87E-12	CSCL2	ARHGAP18
NFIC.7	2.67E-16	0.257862	0.638	0.426	3.99E-12	CSCL2	NFIC
LNX1-AS1.	2.72E-16	0.116636	0.053	0.01	4.07E-12	CSCL2	LNX1-AS1
ALOX5.13	2.78E-16	-0.57154	0.009	0.144	4.16E-12	CSCL2	ALOX5
FAM210B.1	2.87E-16	0.330517	0.426	0.264	4.29E-12	CSCL2	FAM210B
KMT2E.10	3.07E-16	0.222356	0.726	0.53	4.58E-12	CSCL2	KMT2E
CORO1C.8	3.24E-16	0.281983	0.554	0.366	4.85E-12	CSCL2	CORO1C
C8orf46.9	3.44E-16	0.247979	0.274	0.134	5.15E-12	CSCL2	C8orf46
ONECUT2.8	3.45E-16	0.149344	0.121	0.04	5.16E-12	CSCL2	ONECUT2
USP37.3	3.49E-16	0.202105	0.159	0.063	5.22E-12	CSCL2	USP37
ZC3H8.7	3.57E-16	0.231341	0.276	0.142	5.34E-12	CSCL2	ZC3H8
BIN1.11	3.71E-16	-0.60619	0.21	0.367	5.54E-12	CSCL2	BIN1
PILRA.12	3.72E-16	-0.69169	0.029	0.17	5.55E-12	CSCL2	PILRA
GPR137B.9	3.73E-16	-0.39954	0.073	0.236	5.57E-12	CSCL2	GPR137B
NME3.6	3.84E-16	-0.4635	0.26	0.423	5.73E-12	CSCL2	NME3
RP11-436K	4.09E-16	0.178792	0.095	0.028	6.12E-12	CSCL2	RP11-436K8.1
INCENP.2	4.14E-16	0.127326	0.084	0.023	6.18E-12	CSCL2	INCENP
CAMK2N2.2	4.18E-16	0.16285	0.084	0.023	6.24E-12	CSCL2	CAMK2N2
FUOM.12	4.24E-16	-0.53725	0.011	0.146	6.34E-12	CSCL2	FUOM
UBR7.6	4.28E-16	0.316258	0.234	0.112	6.40E-12	CSCL2	UBR7
PCDH7	4.36E-16	0.11905	0.06	0.013	6.52E-12	CSCL2	PCDH7
TPM3.11	4.55E-16	-0.40415	0.43	0.563	6.80E-12	CSCL2	TPM3
APBB1IP.1	4.63E-16	-0.58057	0.022	0.162	6.92E-12	CSCL2	APBB1IP
NME1.11	4.67E-16	0.228696	0.779	0.559	6.97E-12	CSCL2	NME1
HN1L.8	4.67E-16	0.278616	0.28	0.147	6.98E-12	CSCL2	HN1L
HLTF.11	4.78E-16	0.268874	0.309	0.168	7.15E-12	CSCL2	HLTF
CDKN2AIP.	4.91E-16	0.23678	0.28	0.142	7.34E-12	CSCL2	CDKN2AIP
CSR2.11	4.99E-16	0.104354	0.514	0.293	7.45E-12	CSCL2	CSR2

CBS. 11	5. 09E-16	0. 304604	0. 285	0. 152	7. 61E-12	CSCL2	CBS
NFKBIA. 12	5. 14E-16	-0. 48787	0. 366	0. 505	7. 67E-12	CSCL2	NFKBIA
NAA38. 5	5. 33E-16	0. 144395	0. 651	0. 464	7. 97E-12	CSCL2	NAA38
ETS2. 13	5. 35E-16	-0. 5902	0. 062	0. 213	8. 00E-12	CSCL2	ETS2
TWF2. 13	5. 39E-16	-0. 4853	0. 174	0. 347	8. 06E-12	CSCL2	TWF2
ODF2. 7	5. 42E-16	0. 396457	0. 252	0. 127	8. 10E-12	CSCL2	ODF2
RBM10. 8	5. 65E-16	0. 28497	0. 342	0. 197	8. 44E-12	CSCL2	RBM10
C19orf57	5. 67E-16	0. 176695	0. 097	0. 029	8. 47E-12	CSCL2	C19orf57
SPATA33. 9	6. 01E-16	0. 291704	0. 269	0. 141	8. 98E-12	CSCL2	SPATA33
SP3. 8	6. 18E-16	0. 239703	0. 36	0. 204	9. 24E-12	CSCL2	SP3
CDKAL1. 4	6. 41E-16	0. 21446	0. 201	0. 089	9. 58E-12	CSCL2	CDKAL1
RP11-398K	6. 48E-16	0. 216409	0. 172	0. 072	9. 68E-12	CSCL2	RP11-398K22. 12
HMG5. 4	6. 48E-16	0. 268725	0. 196	0. 086	9. 68E-12	CSCL2	HMG5
PYGL. 11	6. 60E-16	-0. 50572	0. 046	0. 198	9. 87E-12	CSCL2	PYGL
SERPINB9. 6	6. 68E-16	-0. 56314	0. 015	0. 152	9. 99E-12	CSCL2	SERPINB9
CHAMP1. 7	6. 95E-16	0. 294953	0. 245	0. 124	1. 04E-11	CSCL2	CHAMP1
THOP1. 10	7. 24E-16	0. 305482	0. 34	0. 196	1. 08E-11	CSCL2	THOP1
ZFP36L1. 7	7. 30E-16	-0. 48447	0. 428	0. 565	1. 09E-11	CSCL2	ZFP36L1
PPCS. 9	7. 30E-16	-0. 51079	0. 155	0. 327	1. 09E-11	CSCL2	PPCS
AGTRAP. 9	7. 34E-16	-0. 58141	0. 119	0. 288	1. 10E-11	CSCL2	AGTRAP
EXOC5. 6	7. 76E-16	0. 305798	0. 316	0. 174	1. 16E-11	CSCL2	EXOC5
APOBEC3B. 7	7. 77E-16	0. 320003	0. 099	0. 031	1. 16E-11	CSCL2	APOBEC3B
UPF3A. 12	7. 79E-16	0. 259082	0. 517	0. 338	1. 16E-11	CSCL2	UPF3A
GPNMB. 12	8. 29E-16	-0. 69659	0. 057	0. 206	1. 24E-11	CSCL2	GPNMB
ZC3H18. 7	8. 53E-16	0. 255494	0. 287	0. 151	1. 27E-11	CSCL2	ZC3H18
HSF2. 8	8. 59E-16	0. 276873	0. 236	0. 113	1. 28E-11	CSCL2	HSF2
FADS2. 10	8. 73E-16	0. 250744	0. 258	0. 132	1. 31E-11	CSCL2	FADS2
CYC1. 11	8. 80E-16	0. 296237	0. 735	0. 532	1. 31E-11	CSCL2	CYC1
PPP1R9A. 1	8. 82E-16	0. 175163	0. 17	0. 067	1. 32E-11	CSCL2	PPP1R9A
NIN. 3	9. 30E-16	0. 251543	0. 247	0. 123	1. 39E-11	CSCL2	NIN
KCNQ2. 12	9. 88E-16	0. 301047	0. 362	0. 209	1. 48E-11	CSCL2	KCNQ2
PIGX. 10	9. 91E-16	0. 303456	0. 402	0. 247	1. 48E-11	CSCL2	PIGX
DHRS3. 10	9. 96E-16	-0. 48788	0. 031	0. 177	1. 49E-11	CSCL2	DHRS3
NOA1. 7	1. 01E-15	0. 298952	0. 267	0. 138	1. 51E-11	CSCL2	NOA1
STAG1. 3	1. 01E-15	0. 235853	0. 247	0. 123	1. 52E-11	CSCL2	STAG1
ZNF22. 10	1. 07E-15	0. 228637	0. 437	0. 269	1. 60E-11	CSCL2	ZNF22
FKBP1A. 7	1. 10E-15	-0. 29547	0. 682	0. 7	1. 64E-11	CSCL2	FKBP1A
CTNNB1. 4	1. 12E-15	0. 249077	0. 459	0. 29	1. 68E-11	CSCL2	CTNNB1
PIN1. 7	1. 22E-15	0. 264526	0. 731	0. 529	1. 83E-11	CSCL2	PIN1
MSN. 12	1. 26E-15	-0. 48784	0. 21	0. 382	1. 88E-11	CSCL2	MSN
SOGA1. 11	1. 27E-15	0. 302571	0. 283	0. 15	1. 89E-11	CSCL2	SOGA1
CD59. 8	1. 28E-15	-0. 46395	0. 408	0. 559	1. 91E-11	CSCL2	CD59
USP13. 7	1. 30E-15	0. 272183	0. 163	0. 068	1. 95E-11	CSCL2	USP13
PIK3R3. 1C	1. 38E-15	0. 17165	0. 258	0. 127	2. 06E-11	CSCL2	PIK3R3
CD302. 11	1. 38E-15	-0. 60215	0. 062	0. 21	2. 07E-11	CSCL2	CD302
BRD3. 11	1. 40E-15	0. 270404	0. 437	0. 268	2. 10E-11	CSCL2	BRD3
ITGB8. 11	1. 53E-15	0. 271911	0. 393	0. 233	2. 28E-11	CSCL2	ITGB8
TFDP1. 8	1. 55E-15	0. 334337	0. 325	0. 186	2. 32E-11	CSCL2	TFDP1
CCDC138. 2	1. 60E-15	0. 176848	0. 128	0. 046	2. 39E-11	CSCL2	CCDC138
CALD1. 11	1. 65E-15	0. 215419	0. 62	0. 411	2. 47E-11	CSCL2	CALD1
PTCH1. 4	1. 67E-15	0. 170717	0. 13	0. 047	2. 49E-11	CSCL2	PTCH1



MAPKAPK3.	1.	69E-15	-0.42471	0.033	0.176	2.52E-11	CSCL2	MAPKAPK3
DMTF1.	7.	76E-15	0.226261	0.276	0.143	2.63E-11	CSCL2	DMTF1
EPB41.	3.	81E-15	0.168393	0.148	0.056	2.71E-11	CSCL2	EPB41
ZC2HC1A.	1.	85E-15	0.274487	0.364	0.204	2.77E-11	CSCL2	ZC2HC1A
METRN.	13.	87E-15	0.285934	0.479	0.287	2.79E-11	CSCL2	METRN
PID1.	8.	98E-15	0.221133	0.236	0.112	2.96E-11	CSCL2	PID1
CCAR2.	5.	01E-15	0.222682	0.274	0.141	3.00E-11	CSCL2	CCAR2
THAP10.	1.	03E-15	0.186883	0.117	0.04	3.04E-11	CSCL2	THAP10
ADAM28.	12.	05E-15	-0.6275	0.015	0.146	3.07E-11	CSCL2	ADAM28
HNRNPLL.	6.	06E-15	0.279624	0.327	0.185	3.08E-11	CSCL2	HNRNPLL
GUCY1B3.	1.	13E-15	0.166193	0.077	0.021	3.18E-11	CSCL2	GUCY1B3
NUP155.	1.	22E-15	0.225691	0.155	0.062	3.32E-11	CSCL2	NUP155
GPR65.	13.	32E-15	-0.49685	0.009	0.138	3.47E-11	CSCL2	GPR65
KDEL2.	2.	35E-15	0.232197	0.168	0.071	3.52E-11	CSCL2	KDEL2
ANXA4.	10.	46E-15	-0.48008	0.051	0.2	3.67E-11	CSCL2	ANXA4
ARID1A.	8.	54E-15	0.283504	0.386	0.236	3.79E-11	CSCL2	ARID1A
C19orf43.	2.	64E-15	0.249944	0.843	0.666	3.94E-11	CSCL2	C19orf43
NUP205.	3.	79E-15	0.191808	0.148	0.058	4.17E-11	CSCL2	NUP205
LGALS3BP.	2.	81E-15	-0.39115	0.283	0.456	4.20E-11	CSCL2	LGALS3BP
CSNK1E.	11.	83E-15	0.234483	0.472	0.299	4.24E-11	CSCL2	CSNK1E
CEP57.	8.	89E-15	0.280079	0.377	0.224	4.32E-11	CSCL2	CEP57
RENBP.	12.	00E-15	-0.49038	0.011	0.14	4.48E-11	CSCL2	RENBP
SNRPD3.	9.	05E-15	0.274686	0.585	0.407	4.55E-11	CSCL2	SNRPD3
UPF3B.	9.	08E-15	0.262159	0.406	0.245	4.60E-11	CSCL2	UPF3B
DAAM1.	8.	15E-15	0.276988	0.393	0.235	4.70E-11	CSCL2	DAAM1
EXOSC2.	3.	17E-15	0.207174	0.196	0.089	4.73E-11	CSCL2	EXOSC2
CRIP2.	10.	20E-15	0.239369	0.49	0.307	4.78E-11	CSCL2	CRIP2
NME4.	10.	33E-15	0.281403	0.57	0.374	4.97E-11	CSCL2	NME4
CFD.	12.	34E-15	-0.61667	0.026	0.161	5.00E-11	CSCL2	CFD
CSTA.	13.	64E-15	-0.50164	0.007	0.133	5.44E-11	CSCL2	CSTA
LRP10.	7.	76E-15	-0.39673	0.095	0.258	5.62E-11	CSCL2	LRP10
COPS8.	11.	25E-15	0.212578	0.662	0.462	6.35E-11	CSCL2	COPS8
SEPT6.	10.	27E-15	-0.46012	0.033	0.171	6.38E-11	CSCL2	6-Sep
DUSP3.	6.	33E-15	-0.34524	0.038	0.181	6.47E-11	CSCL2	DUSP3
UBE2I.	7.	51E-15	0.208292	0.737	0.57	6.73E-11	CSCL2	UBE2I
CEP76.	2.	78E-15	0.197424	0.119	0.042	7.14E-11	CSCL2	CEP76
TTL.	5.	87E-15	0.216837	0.232	0.113	7.28E-11	CSCL2	TTL
NEU4.	9.	98E-15	0.248655	0.152	0.06	7.44E-11	CSCL2	NEU4
ELL2.	11.	05E-15	-0.50213	0.053	0.198	7.55E-11	CSCL2	ELL2
CDH13.	5.	34E-15	0.217463	0.135	0.05	7.98E-11	CSCL2	CDH13
NPL.	12.	34E-15	-0.62895	0.062	0.206	7.98E-11	CSCL2	NPL
BAALC.	12.	64E-15	0.325708	0.528	0.338	8.43E-11	CSCL2	BAALC
DDAH1.	10.	75E-15	0.260272	0.238	0.12	8.59E-11	CSCL2	DDAH1
CCZ1.	9.	83E-15	0.262246	0.512	0.344	8.71E-11	CSCL2	CCZ1
ANKRD6.	3.	84E-15	0.177023	0.124	0.045	8.73E-11	CSCL2	ANKRD6
ZNF681.	4.	86E-15	0.187705	0.113	0.038	8.76E-11	CSCL2	ZNF681
TRIM13.	8.	15E-15	0.237173	0.404	0.243	9.20E-11	CSCL2	TRIM13
NAA16.	5.	23E-15	0.217147	0.236	0.117	9.32E-11	CSCL2	NAA16
CCT4.	6.	35E-15	0.208362	0.728	0.553	9.49E-11	CSCL2	CCT4
IL10RA.	13.	63E-15	-0.54922	0.015	0.143	9.91E-11	CSCL2	IL10RA
SMAD9.	8.	67E-15	0.197749	0.163	0.067	9.97E-11	CSCL2	SMAD9

DCP2. 7	6. 72E-15	0. 274238	0. 276	0. 145	1. 00E-10	CSCL2	DCP2
TSPAN11. 1	6. 78E-15	0. 117178	0. 075	0. 02	1. 01E-10	CSCL2	TSPAN11
SMARCD1. 1	6. 94E-15	0. 267751	0. 353	0. 209	1. 04E-10	CSCL2	SMARCD1
KIF5B. 9	6. 96E-15	0. 268791	0. 687	0. 505	1. 04E-10	CSCL2	KIF5B
GNB5. 9	7. 12E-15	0. 270645	0. 216	0. 106	1. 06E-10	CSCL2	GNB5
GPM6B. 12	7. 19E-15	0. 139638	0. 892	0. 608	1. 08E-10	CSCL2	GPM6B
ZNF93. 4	7. 43E-15	0. 204103	0. 139	0. 054	1. 11E-10	CSCL2	ZNF93
GSTA4. 11	7. 49E-15	0. 202827	0. 461	0. 283	1. 12E-10	CSCL2	GSTA4
SIL1. 9	7. 58E-15	-0. 48309	0. 102	0. 261	1. 13E-10	CSCL2	SIL1
PTGS1. 12	7. 59E-15	-0. 45442	0. 026	0. 162	1. 13E-10	CSCL2	PTGS1
PA2G4. 4	7. 67E-15	0. 235336	0. 693	0. 533	1. 15E-10	CSCL2	PA2G4
C6orf1. 3	7. 72E-15	-0. 47663	0. 201	0. 367	1. 15E-10	CSCL2	C6orf1
C5orf38. 4	7. 83E-15	0. 134087	0. 095	0. 029	1. 17E-10	CSCL2	C5orf38
FILIP1L. 1	7. 98E-15	-0. 41586	0. 022	0. 154	1. 19E-10	CSCL2	FILIP1L
PIF1. 7	8. 37E-15	0. 371952	0. 126	0. 048	1. 25E-10	CSCL2	PIF1
PDK4. 12	8. 52E-15	-0. 65747	0. 04	0. 175	1. 27E-10	CSCL2	PDK4
E2F3. 4	8. 95E-15	0. 242284	0. 183	0. 082	1. 34E-10	CSCL2	E2F3
SLPI. 10	9. 01E-15	-1. 22556	0. 024	0. 155	1. 35E-10	CSCL2	SLPI
APBA2. 13	1. 05E-14	0. 255191	0. 347	0. 201	1. 57E-10	CSCL2	APBA2
RNH1. 7	1. 07E-14	-0. 453	0. 442	0. 542	1. 60E-10	CSCL2	RNH1
RFXAP. 6	1. 08E-14	0. 204136	0. 199	0. 091	1. 62E-10	CSCL2	RFXAP
C16orf45. 1	1. 08E-14	0. 277999	0. 488	0. 311	1. 62E-10	CSCL2	C16orf45
ASXL3. 3	1. 08E-14	0. 137648	0. 093	0. 028	1. 62E-10	CSCL2	ASXL3
PQLC3. 12	1. 10E-14	-0. 37893	0. 046	0. 19	1. 65E-10	CSCL2	PQLC3
ERH. 7	1. 13E-14	0. 157047	0. 848	0. 708	1. 69E-10	CSCL2	ERH
BPGM. 8	1. 16E-14	0. 254146	0. 382	0. 228	1. 74E-10	CSCL2	BPGM
CH25H. 9	1. 16E-14	-0. 70642	0. 022	0. 152	1. 74E-10	CSCL2	CH25H
SYNC. 9	1. 18E-14	0. 33913	0. 302	0. 171	1. 76E-10	CSCL2	SYNC
CAST. 10	1. 18E-14	-0. 42802	0. 161	0. 325	1. 76E-10	CSCL2	CAST
GLO1. 10	1. 18E-14	0. 254367	0. 576	0. 404	1. 77E-10	CSCL2	GLO1
ATCAY. 10	1. 19E-14	0. 237555	0. 241	0. 116	1. 78E-10	CSCL2	ATCAY
ZBTB18. 5	1. 19E-14	0. 184838	0. 13	0. 049	1. 78E-10	CSCL2	ZBTB18
TERF1. 7	1. 22E-14	0. 243337	0. 486	0. 317	1. 82E-10	CSCL2	TERF1
LMO4. 13	1. 22E-14	0. 229502	0. 667	0. 47	1. 83E-10	CSCL2	LMO4
VMO1. 12	1. 24E-14	-0. 60302	0. 031	0. 165	1. 85E-10	CSCL2	VMO1
NRP2. 10	1. 24E-14	-0. 36748	0. 075	0. 227	1. 85E-10	CSCL2	NRP2
AOAH. 12	1. 24E-14	-0. 55491	0. 007	0. 128	1. 86E-10	CSCL2	AOAH
ARID5B. 9	1. 25E-14	-0. 53165	0. 205	0. 361	1. 87E-10	CSCL2	ARID5B
PSMB10. 10	1. 25E-14	-0. 53229	0. 108	0. 261	1. 87E-10	CSCL2	PSMB10
NAB1. 7	1. 37E-14	0. 223698	0. 241	0. 121	2. 04E-10	CSCL2	NAB1
MSI1. 11	1. 41E-14	0. 266035	0. 252	0. 13	2. 11E-10	CSCL2	MSI1
ZNF649. 10	1. 42E-14	0. 217794	0. 188	0. 086	2. 13E-10	CSCL2	ZNF649
FAM105A. 1	1. 46E-14	-0. 5371	0. 033	0. 168	2. 18E-10	CSCL2	FAM105A
RAMP1. 10	1. 51E-14	0. 161182	0. 605	0. 404	2. 25E-10	CSCL2	RAMP1
LACTB. 13	1. 52E-14	-0. 38363	0. 035	0. 171	2. 27E-10	CSCL2	LACTB
DUSP23. 12	1. 52E-14	-0. 44309	0. 049	0. 193	2. 28E-10	CSCL2	DUSP23
OSM. 12	1. 57E-14	-0. 65774	0. 022	0. 15	2. 34E-10	CSCL2	OSM
THRA. 9	1. 57E-14	0. 235265	0. 395	0. 233	2. 35E-10	CSCL2	THRA
RGS19. 12	1. 61E-14	-0. 48832	0. 124	0. 282	2. 40E-10	CSCL2	RGS19
LRRTM1. 2	1. 64E-14	0. 117045	0. 079	0. 022	2. 45E-10	CSCL2	LRRTM1
PTN. 11	1. 68E-14	0. 171445	0. 845	0. 607	2. 51E-10	CSCL2	PTN

REX02. 10	1. 69E-14	-0. 48577	0. 159	0. 325	2. 53E-10	CSCL2	REX02
PTAFR. 13	1. 71E-14	-0. 53267	0. 009	0. 13	2. 55E-10	CSCL2	PTAFR
POLR2F. 8	1. 73E-14	0. 183498	0. 704	0. 535	2. 59E-10	CSCL2	POLR2F
CD69. 10	1. 78E-14	-0. 70947	0. 029	0. 158	2. 66E-10	CSCL2	CD69
CCT7. 9	1. 79E-14	0. 223878	0. 693	0. 523	2. 67E-10	CSCL2	CCT7
ECI1. 8	1. 81E-14	0. 306958	0. 347	0. 208	2. 70E-10	CSCL2	ECI1
CAP1. 11	1. 81E-14	-0. 38835	0. 488	0. 596	2. 71E-10	CSCL2	CAP1
UCHL1. 11	2. 00E-14	0. 170766	0. 649	0. 428	2. 98E-10	CSCL2	UCHL1
GAS6. 11	2. 10E-14	-0. 46694	0. 066	0. 21	3. 13E-10	CSCL2	GAS6
EXOC4. 6	2. 17E-14	0. 201015	0. 294	0. 159	3. 25E-10	CSCL2	EXOC4
AC004951.	2. 29E-14	0. 223878	0. 28	0. 151	3. 42E-10	CSCL2	AC004951. 6
TRADD. 7	2. 31E-14	-0. 33373	0. 035	0. 173	3. 45E-10	CSCL2	TRADD
SIMC1. 2	2. 37E-14	0. 176018	0. 13	0. 05	3. 54E-10	CSCL2	SIMC1
DOCK8. 13	2. 38E-14	-0. 50328	0. 007	0. 125	3. 55E-10	CSCL2	DOCK8
PLAU. 11	2. 44E-14	-0. 38601	0. 033	0. 168	3. 64E-10	CSCL2	PLAU
NELFE. 3	2. 52E-14	0. 21153	0. 543	0. 37	3. 77E-10	CSCL2	NELFE
GNAS. 12	2. 60E-14	0. 276128	0. 837	0. 64	3. 88E-10	CSCL2	GNAS
COR01B. 11	2. 60E-14	-0. 51167	0. 216	0. 367	3. 89E-10	CSCL2	COR01B
STRN4. 8	2. 62E-14	0. 23244	0. 234	0. 119	3. 91E-10	CSCL2	STRN4
RBM14. 8	2. 63E-14	0. 250721	0. 322	0. 186	3. 92E-10	CSCL2	RBM14
ZDHHC12. 1	2. 65E-14	-0. 45164	0. 108	0. 267	3. 96E-10	CSCL2	ZDHHC12
GTPBP1. 5	2. 78E-14	0. 175709	0. 208	0. 097	4. 15E-10	CSCL2	GTPBP1
PHF11. 11	2. 81E-14	-0. 38899	0. 02	0. 147	4. 20E-10	CSCL2	PHF11
HIP1. 9	2. 84E-14	0. 182797	0. 3	0. 162	4. 25E-10	CSCL2	HIP1
KRIT1. 9	3. 02E-14	0. 251684	0. 355	0. 211	4. 52E-10	CSCL2	KRIT1
TAF6. 8	3. 18E-14	0. 288136	0. 371	0. 231	4. 76E-10	CSCL2	TAF6
ZBED5. 9	3. 34E-14	0. 252512	0. 309	0. 174	4. 99E-10	CSCL2	ZBED5
CA14. 10	3. 35E-14	0. 235426	0. 128	0. 048	5. 00E-10	CSCL2	CA14
ZNF280B	3. 38E-14	0. 127979	0. 095	0. 031	5. 05E-10	CSCL2	ZNF280B
CD151. 11	3. 47E-14	-0. 52172	0. 369	0. 487	5. 18E-10	CSCL2	CD151
GNA15. 13	3. 47E-14	-0. 4587	0	0. 113	5. 19E-10	CSCL2	GNA15
DNAJC4. 8	3. 51E-14	-0. 42026	0. 082	0. 234	5. 25E-10	CSCL2	DNAJC4
SYNCRIP. 1	3. 56E-14	0. 267322	0. 543	0. 377	5. 31E-10	CSCL2	SYNCRIP
ZNF829	3. 56E-14	0. 151236	0. 102	0. 034	5. 32E-10	CSCL2	ZNF829
FBX021. 8	3. 56E-14	0. 241275	0. 468	0. 302	5. 32E-10	CSCL2	FBX021
CD33. 13	3. 61E-14	-0. 54089	0. 007	0. 124	5. 40E-10	CSCL2	CD33
ADH5. 8	3. 61E-14	0. 204715	0. 563	0. 382	5. 40E-10	CSCL2	ADH5
ZNF620. 6	3. 74E-14	0. 174556	0. 141	0. 056	5. 59E-10	CSCL2	ZNF620
FAM19A5. 8	3. 77E-14	0. 175508	0. 121	0. 044	5. 63E-10	CSCL2	FAM19A5
LTF. 10	3. 86E-14	-1. 16875	0. 029	0. 156	5. 77E-10	CSCL2	LTF
IGFBP3. 11	3. 89E-14	-0. 57727	0. 057	0. 2	5. 81E-10	CSCL2	IGFBP3
SFMBT1. 2	3. 97E-14	0. 183308	0. 157	0. 066	5. 93E-10	CSCL2	SFMBT1
ACSL1. 12	3. 99E-14	-0. 5524	0. 088	0. 233	5. 96E-10	CSCL2	ACSL1
HNRNPL. 7	4. 06E-14	0. 21738	0. 417	0. 258	6. 06E-10	CSCL2	HNRNPL
FKBP8. 5	4. 11E-14	-0. 34327	0. 6	0. 648	6. 14E-10	CSCL2	FKBP8
HOXC-AS1.	4. 18E-14	0. 131992	0. 077	0. 022	6. 25E-10	CSCL2	HOXC-AS1
EIF4H. 6	4. 31E-14	0. 189714	0. 687	0. 535	6. 44E-10	CSCL2	EIF4H
TCTEX1D2.	4. 50E-14	0. 252842	0. 364	0. 222	6. 72E-10	CSCL2	TCTEX1D2
HSPE1. 9	4. 53E-14	0. 135209	0. 839	0. 725	6. 77E-10	CSCL2	HSPE1
ATP6V1F. 8	4. 56E-14	-0. 31382	0. 764	0. 803	6. 82E-10	CSCL2	ATP6V1F
RP11-196G	4. 58E-14	0. 127261	0. 057	0. 013	6. 84E-10	CSCL2	RP11-196G18. 23

TMEM173. 1	4. 74E-14	-0. 50781	0. 011	0. 131	7. 08E-10	CSCL2	TMEM173
LPCAT2. 13	4. 88E-14	-0. 51715	0. 026	0. 152	7. 29E-10	CSCL2	LPCAT2
AC011043. 5	1. 5E-14	0. 256897	0. 146	0. 059	7. 70E-10	CSCL2	AC011043. 1
IL1RAP. 8	5. 45E-14	-0. 3612	0. 033	0. 165	8. 15E-10	CSCL2	IL1RAP
COMMD4. 3	5. 53E-14	0. 245314	0. 459	0. 299	8. 26E-10	CSCL2	COMMD4
ZBTB8A. 9	5. 62E-14	0. 226761	0. 208	0. 099	8. 40E-10	CSCL2	ZBTB8A
RGMB. 10	5. 67E-14	0. 187458	0. 254	0. 127	8. 47E-10	CSCL2	RGMB
FUZ. 6	5. 73E-14	0. 345184	0. 278	0. 156	8. 56E-10	CSCL2	FUZ
KBTBD6. 8	5. 84E-14	0. 205129	0. 247	0. 127	8. 72E-10	CSCL2	KBTBD6
HIPK2. 10	5. 93E-14	0. 193916	0. 369	0. 215	8. 86E-10	CSCL2	HIPK2
P4HA1. 6	5. 97E-14	-0. 43477	0. 082	0. 23	8. 92E-10	CSCL2	P4HA1
NDC1. 2	6. 00E-14	0. 197612	0. 141	0. 057	8. 97E-10	CSCL2	NDC1
ELP6. 7	6. 12E-14	0. 225676	0. 351	0. 21	9. 15E-10	CSCL2	ELP6
ZNF146. 1C	6. 32E-14	0. 256829	0. 366	0. 222	9. 44E-10	CSCL2	ZNF146
ANAPC11. 8	6. 60E-14	0. 157877	0. 865	0. 721	9. 86E-10	CSCL2	ANAPC11
COQ7. 8	7. 03E-14	0. 229277	0. 32	0. 182	1. 05E-09	CSCL2	COQ7
MAGEF1. 12	7. 10E-14	0. 284512	0. 525	0. 357	1. 06E-09	CSCL2	MAGEF1
SSR4. 7	7. 11E-14	-0. 31733	0. 709	0. 765	1. 06E-09	CSCL2	SSR4
NANS. 11	7. 36E-14	-0. 48462	0. 208	0. 366	1. 10E-09	CSCL2	NANS
LITAF. 13	7. 39E-14	-0. 56884	0. 338	0. 464	1. 11E-09	CSCL2	LITAF
FBP1. 13	7. 80E-14	-0. 47676	0. 007	0. 121	1. 17E-09	CSCL2	FBP1
FTSJ2. 7	7. 89E-14	0. 206008	0. 38	0. 231	1. 18E-09	CSCL2	FTSJ2
PTGER4. 12	7. 98E-14	-0. 51002	0. 011	0. 128	1. 19E-09	CSCL2	PTGER4
DKC1. 6	8. 10E-14	0. 276636	0. 413	0. 26	1. 21E-09	CSCL2	DKC1
ZFP82. 9	8. 23E-14	0. 205388	0. 214	0. 105	1. 23E-09	CSCL2	ZFP82
NCALD. 9	9. 28E-14	0. 189375	0. 238	0. 12	1. 39E-09	CSCL2	NCALD
TFDP2. 6	9. 67E-14	0. 253261	0. 349	0. 207	1. 45E-09	CSCL2	TFDP2
CSRNP3. 1C	9. 85E-14	0. 178567	0. 205	0. 095	1. 47E-09	CSCL2	CSRNP3
FOSL2. 10	9. 88E-14	-0. 38995	0. 053	0. 191	1. 48E-09	CSCL2	FOSL2
CCSAP. 6	9. 89E-14	0. 27215	0. 201	0. 095	1. 48E-09	CSCL2	CCSAP
RCSL1. 12	9. 98E-14	-0. 51501	0. 009	0. 124	1. 49E-09	CSCL2	RCSL1
RBMXL1. 5	1. 04E-13	0. 255882	0. 272	0. 148	1. 56E-09	CSCL2	RBMXL1
C11orf96. 1	1. 05E-13	0. 187656	0. 256	0. 129	1. 56E-09	CSCL2	C11orf96
SLC26A10. 1	1. 05E-13	0. 115227	0. 077	0. 022	1. 57E-09	CSCL2	SLC26A10
KLF6. 11	1. 05E-13	-0. 4605	0. 428	0. 535	1. 57E-09	CSCL2	KLF6
PSME1. 10	1. 05E-13	-0. 37409	0. 446	0. 589	1. 58E-09	CSCL2	PSME1
FANCE	1. 07E-13	0. 133678	0. 086	0. 027	1. 59E-09	CSCL2	FANCE
FAH. 11	1. 08E-13	-0. 43082	0. 033	0. 163	1. 61E-09	CSCL2	FAH
CASC15. 9	1. 11E-13	0. 184557	0. 203	0. 095	1. 66E-09	CSCL2	CASC15
TIMM50. 4	1. 15E-13	0. 269516	0. 464	0. 304	1. 72E-09	CSCL2	TIMM50
NNT-AS1. 1	1. 16E-13	0. 257304	0. 358	0. 216	1. 73E-09	CSCL2	NNT-AS1
CTD-2035E	1. 23E-13	0. 13894	0. 102	0. 034	1. 84E-09	CSCL2	CTD-2035E11. 3
NCKAP1L. 1	1. 23E-13	-0. 51998	0. 011	0. 126	1. 84E-09	CSCL2	NCKAP1L
SMARCC2. 9	1. 26E-13	0. 218199	0. 415	0. 257	1. 89E-09	CSCL2	SMARCC2
PLD3. 6	1. 27E-13	-0. 42709	0. 424	0. 533	1. 89E-09	CSCL2	PLD3
TNFRSF12A	1. 28E-13	-0. 4379	0. 135	0. 293	1. 91E-09	CSCL2	TNFRSF12A
POT1. 3	1. 31E-13	0. 193741	0. 174	0. 078	1. 96E-09	CSCL2	POT1
ABHD14B. 8	1. 40E-13	-0. 42984	0. 049	0. 184	2. 09E-09	CSCL2	ABHD14B
TSPAN5. 12	1. 47E-13	0. 325265	0. 415	0. 256	2. 20E-09	CSCL2	TSPAN5
NSRP1. 5	1. 48E-13	0. 272675	0. 514	0. 35	2. 21E-09	CSCL2	NSRP1
DUOX1. 10	1. 48E-13	0. 151902	0. 148	0. 06	2. 21E-09	CSCL2	DUOX1

SRRM2.8	1.49E-13	0.214	0.695	0.526	2.23E-09	CSCL2	SRRM2
REEP5.9	1.51E-13	-0.36139	0.464	0.59	2.25E-09	CSCL2	REEP5
PPP2R1A.8	1.54E-13	0.228487	0.687	0.508	2.30E-09	CSCL2	PPP2R1A
ARPC2.11	1.57E-13	-0.24763	0.768	0.774	2.34E-09	CSCL2	ARPC2
RIN3.13	1.58E-13	-0.44031	0.007	0.12	2.36E-09	CSCL2	RIN3
ALKBH2.11	1.59E-13	0.228508	0.322	0.19	2.38E-09	CSCL2	ALKBH2
STX11.12	1.67E-13	-0.49836	0.007	0.119	2.49E-09	CSCL2	STX11
COPS3.6	1.68E-13	0.212629	0.534	0.362	2.50E-09	CSCL2	COPS3
TMEM179B.1	1.68E-13	-0.44148	0.267	0.419	2.51E-09	CSCL2	TMEM179B
SOX9.12	1.71E-13	0.287847	0.437	0.265	2.56E-09	CSCL2	SOX9
NKAIN3.12	1.90E-13	0.205201	0.236	0.12	2.84E-09	CSCL2	NKAIN3
ARHGAP24.1	1.93E-13	-0.54311	0.029	0.153	2.88E-09	CSCL2	ARHGAP24
SLC25A37.1	1.96E-13	-0.45751	0.159	0.316	2.94E-09	CSCL2	SLC25A37
PRPF4.2	2.10E-13	0.252816	0.296	0.169	3.13E-09	CSCL2	PRPF4
EN1.8	2.13E-13	0.155484	0.148	0.06	3.18E-09	CSCL2	EN1
SNAP25.11	2.17E-13	0.207262	0.269	0.137	3.24E-09	CSCL2	SNAP25
M6PR.13	2.23E-13	-0.48095	0.247	0.388	3.33E-09	CSCL2	M6PR
LINC00632.2	2.27E-13	0.220874	0.19	0.087	3.39E-09	CSCL2	LINC00632
NUDT15.3	2.29E-13	0.253298	0.21	0.103	3.42E-09	CSCL2	NUDT15
ICA1L.7	2.29E-13	0.205084	0.201	0.096	3.43E-09	CSCL2	ICA1L
TLK1.10	2.30E-13	0.2966	0.355	0.223	3.43E-09	CSCL2	TLK1
NCF1.13	2.38E-13	-0.47555	0.013	0.128	3.56E-09	CSCL2	NCF1
TGFBR2.11	2.39E-13	-0.39704	0.009	0.121	3.57E-09	CSCL2	TGFBR2
TNFAIP3.1	2.41E-13	-0.59211	0.042	0.168	3.60E-09	CSCL2	TNFAIP3
NRSN1.8	2.46E-13	0.180123	0.139	0.057	3.68E-09	CSCL2	NRSN1
ZNF441.3	2.59E-13	0.149763	0.115	0.042	3.88E-09	CSCL2	ZNF441
PGK1.9	2.64E-13	-0.3264	0.733	0.754	3.94E-09	CSCL2	PGK1
SKP2.1	2.71E-13	0.147845	0.132	0.053	4.05E-09	CSCL2	SKP2
C19orf60.2	2.77E-13	-0.34296	0.375	0.507	4.14E-09	CSCL2	C19orf60
MAP4K4.9	2.81E-13	0.140208	0.402	0.242	4.21E-09	CSCL2	MAP4K4
GAS2L3.8	2.83E-13	0.294529	0.15	0.065	4.22E-09	CSCL2	GAS2L3
RP11-552D4.1	2.83E-13	-0.61531	0.011	0.124	4.23E-09	CSCL2	RP11-552D4.1
CDKN2AIPNL.2	2.85E-13	0.246552	0.389	0.243	4.26E-09	CSCL2	CDKN2AIPNL
C19orf70.2	2.87E-13	-0.3482	0.486	0.582	4.29E-09	CSCL2	C19orf70
ZW10.2	2.99E-13	0.177528	0.141	0.058	4.46E-09	CSCL2	ZW10
EHMT2.10	3.01E-13	0.218247	0.331	0.195	4.49E-09	CSCL2	EHMT2
SMC04.13	3.06E-13	-0.46864	0.02	0.137	4.57E-09	CSCL2	SMC04
RNF13.8	3.06E-13	-0.44334	0.353	0.486	4.58E-09	CSCL2	RNF13
EPHB6.4	3.10E-13	0.160475	0.113	0.041	4.64E-09	CSCL2	EPHB6
NUDT16.13	3.15E-13	-0.45898	0.084	0.225	4.71E-09	CSCL2	NUDT16
STMN2.13	3.31E-13	0.143875	0.347	0.18	4.95E-09	CSCL2	STMN2
SNHG8.7	3.36E-13	-0.48159	0.327	0.474	5.02E-09	CSCL2	SNHG8
CHMP1B.8	3.50E-13	-0.474	0.302	0.443	5.22E-09	CSCL2	CHMP1B
FIGN.10	3.50E-13	0.198059	0.179	0.084	5.24E-09	CSCL2	FIGN
BCL7B.8	3.88E-13	0.212148	0.479	0.316	5.79E-09	CSCL2	BCL7B
ENG.13	3.89E-13	-0.51679	0.044	0.17	5.81E-09	CSCL2	ENG
DBF4B.1	3.92E-13	0.160482	0.097	0.033	5.86E-09	CSCL2	DBF4B
MKLN1.7	3.93E-13	0.242213	0.362	0.224	5.87E-09	CSCL2	MKLN1
COMMD2.7	4.26E-13	0.208902	0.442	0.283	6.37E-09	CSCL2	COMMD2
LPAR6.11	4.26E-13	-0.62684	0.108	0.243	6.37E-09	CSCL2	LPAR6
FAM110B.9	4.34E-13	0.215818	0.316	0.181	6.48E-09	CSCL2	FAM110B

GPR19.7	4.43E-13	0.176095	0.115	0.042	6.62E-09	CSCL2	GPR19
CENPC.3	4.46E-13	0.23415	0.212	0.104	6.66E-09	CSCL2	CENPC
PDHA1.6	4.48E-13	0.34265	0.442	0.297	6.69E-09	CSCL2	PDHA1
RAB5C.7	4.60E-13	-0.32572	0.605	0.655	6.88E-09	CSCL2	RAB5C
BCL2A1.13	4.64E-13	-0.52425	0.038	0.162	6.93E-09	CSCL2	BCL2A1
YAE1D1.9	4.66E-13	0.198467	0.283	0.155	6.97E-09	CSCL2	YAE1D1
ABCA1.7	4.73E-13	-0.39312	0.099	0.244	7.07E-09	CSCL2	ABCA1
FGF12.8	4.79E-13	0.207318	0.119	0.045	7.15E-09	CSCL2	FGF12
CREB5.12	4.80E-13	0.303466	0.371	0.229	7.18E-09	CSCL2	CREB5
C3orf14.8	4.81E-13	0.269095	0.402	0.259	7.19E-09	CSCL2	C3orf14
RRBP1.8	4.88E-13	-0.31764	0.155	0.303	7.30E-09	CSCL2	RRBP1
AKNAD1.1	5.11E-13	0.138025	0.077	0.023	7.63E-09	CSCL2	AKNAD1
MFF.7	5.11E-13	0.190071	0.649	0.483	7.64E-09	CSCL2	MFF
TLR2.13	5.17E-13	-0.48799	0.007	0.115	7.72E-09	CSCL2	TLR2
GPX3.12	5.52E-13	-0.51468	0.035	0.157	8.26E-09	CSCL2	GPX3
LRRC20.3	5.58E-13	0.149516	0.119	0.046	8.34E-09	CSCL2	LRRC20
SLC16A1.1	5.59E-13	0.193689	0.375	0.228	8.35E-09	CSCL2	SLC16A1
XRCC1.2	5.87E-13	0.239234	0.23	0.119	8.77E-09	CSCL2	XRCC1
PSMB5.8	5.87E-13	0.188249	0.781	0.587	8.77E-09	CSCL2	PSMB5
PDLIM3.1C	6.01E-13	0.153518	0.223	0.11	8.99E-09	CSCL2	PDLIM3
PATZ1.5	6.16E-13	0.166915	0.174	0.08	9.21E-09	CSCL2	PATZ1
PDZD4.9	6.62E-13	0.159921	0.117	0.044	9.89E-09	CSCL2	PDZD4
EIF1AY.11	6.71E-13	0.227493	0.298	0.173	1.00E-08	CSCL2	EIF1AY
TMBIM6.8	6.83E-13	-0.23614	0.823	0.839	1.02E-08	CSCL2	TMBIM6
MLH1.5	6.95E-13	0.301405	0.267	0.148	1.04E-08	CSCL2	MLH1
AC005618.6	6.98E-13	0.130382	0.11	0.04	1.04E-08	CSCL2	AC005618.6
KDELR2.6	7.02E-13	0.204455	0.709	0.563	1.05E-08	CSCL2	KDELR2
RSRC2.5	7.04E-13	0.240921	0.645	0.469	1.05E-08	CSCL2	RSRC2
ANKMY2.7	7.13E-13	0.161562	0.227	0.113	1.06E-08	CSCL2	ANKMY2
PJA1.9	7.29E-13	0.201996	0.325	0.187	1.09E-08	CSCL2	PJA1
S100A13.1	7.35E-13	-0.38682	0.143	0.302	1.10E-08	CSCL2	S100A13
C1S.10	7.65E-13	-0.64328	0.042	0.167	1.14E-08	CSCL2	C1S
RNASE1.1C	7.96E-13	-0.84353	0.051	0.174	1.19E-08	CSCL2	RNASE1
ITGB1.9	8.07E-13	-0.40091	0.256	0.391	1.21E-08	CSCL2	ITGB1
BIN2.12	8.14E-13	-0.4762	0.009	0.117	1.22E-08	CSCL2	BIN2
IPO5.8	8.29E-13	0.259528	0.342	0.211	1.24E-08	CSCL2	IPO5
C7orf49.7	8.37E-13	0.211475	0.336	0.202	1.25E-08	CSCL2	C7orf49
C9orf142.8	8.41E-13	0.228106	0.528	0.37	1.26E-08	CSCL2	C9orf142
CCL3.13	8.42E-13	-0.77602	0.344	0.425	1.26E-08	CSCL2	CCL3
ALKBH7.5	8.52E-13	-0.29089	0.34	0.477	1.27E-08	CSCL2	ALKBH7
HTRA2.7	8.61E-13	0.19613	0.36	0.219	1.29E-08	CSCL2	HTRA2
CIAPIN1.8	8.65E-13	0.233579	0.4	0.254	1.29E-08	CSCL2	CIAPIN1
CUX1.6	8.73E-13	0.233804	0.375	0.235	1.31E-08	CSCL2	CUX1
CYTH4.13	8.86E-13	-0.47954	0.009	0.116	1.32E-08	CSCL2	CYTH4
NAGA.11	8.91E-13	-0.49161	0.06	0.19	1.33E-08	CSCL2	NAGA
HOXD8.1	8.92E-13	0.103445	0.086	0.027	1.33E-08	CSCL2	HOXD8
SERTAD1.8	9.24E-13	-0.46592	0.168	0.322	1.38E-08	CSCL2	SERTAD1
KIAA1614.9	9.29E-13	0.169066	0.099	0.035	1.39E-08	CSCL2	KIAA1614
RBM47.12	9.37E-13	-0.35958	0.011	0.121	1.40E-08	CSCL2	RBM47
STARD4-AS	9.50E-13	0.231436	0.234	0.123	1.42E-08	CSCL2	STARD4-AS1
RALA.9	9.56E-13	0.245922	0.517	0.353	1.43E-08	CSCL2	RALA

RFX4.11	9.63E-13	0.259614	0.263	0.146	1.44E-08	CSCL2	RFX4
HOXD10.1	9.92E-13	0.127713	0.084	0.027	1.48E-08	CSCL2	HOXD10
SLC2A4RG.	9.95E-13	0.266383	0.227	0.122	1.49E-08	CSCL2	SLC2A4RG
CLDN10.9	9.95E-13	0.242585	0.13	0.052	1.49E-08	CSCL2	CLDN10
TBX5.2	9.99E-13	0.103961	0.051	0.012	1.49E-08	CSCL2	TBX5
TCIRG1.13	1.02E-12	-0.41763	0.018	0.13	1.52E-08	CSCL2	TCIRG1
NCF2.13	1.03E-12	-0.43	0.002	0.105	1.54E-08	CSCL2	NCF2
ZSCAN16.5	1.03E-12	0.17084	0.143	0.06	1.54E-08	CSCL2	ZSCAN16
CEBPZ.7	1.04E-12	0.168847	0.417	0.265	1.55E-08	CSCL2	CEBPZ
FAM162A.1	1.06E-12	-0.29418	0.227	0.408	1.58E-08	CSCL2	FAM162A
NUP50.7	1.06E-12	0.208559	0.221	0.113	1.58E-08	CSCL2	NUP50
C2.11	1.07E-12	-0.52876	0.011	0.119	1.59E-08	CSCL2	C2
GPRASP2.8	1.07E-12	0.157026	0.146	0.062	1.60E-08	CSCL2	GPRASP2
TMEM54.1C	1.09E-12	0.295092	0.318	0.19	1.63E-08	CSCL2	TMEM54
NUDT14.12	1.10E-12	-0.44203	0.066	0.197	1.64E-08	CSCL2	NUDT14
CNN3.11	1.13E-12	0.217172	0.728	0.458	1.69E-08	CSCL2	CNN3
BLMH.6	1.15E-12	0.278956	0.294	0.17	1.72E-08	CSCL2	BLMH
H3F3A.4	1.16E-12	0.116765	0.773	0.746	1.73E-08	CSCL2	H3F3A
PAK3.12	1.16E-12	0.156307	0.267	0.138	1.73E-08	CSCL2	PAK3
CNOT10.3	1.20E-12	0.187412	0.23	0.118	1.79E-08	CSCL2	CNOT10
IFT81.10	1.20E-12	0.265539	0.272	0.154	1.79E-08	CSCL2	IFT81
DHX15.7	1.20E-12	0.22732	0.38	0.239	1.80E-08	CSCL2	DHX15
PRPF38A.6	1.23E-12	0.216431	0.435	0.284	1.84E-08	CSCL2	PRPF38A
CHTOP.8	1.24E-12	0.25284	0.519	0.361	1.85E-08	CSCL2	CHTOP
SRP72.6	1.25E-12	0.273879	0.596	0.453	1.87E-08	CSCL2	SRP72
BCAR1.10	1.25E-12	0.215369	0.291	0.167	1.87E-08	CSCL2	BCAR1
C1R.13	1.26E-12	-0.60902	0.082	0.221	1.88E-08	CSCL2	C1R
SLC22A18.	1.27E-12	-0.34665	0.015	0.128	1.90E-08	CSCL2	SLC22A18
TPST2.11	1.28E-12	-0.36913	0.046	0.172	1.91E-08	CSCL2	TPST2
PCGF2.11	1.28E-12	0.217795	0.276	0.158	1.91E-08	CSCL2	PCGF2
QSOX1.10	1.30E-12	-0.32536	0.099	0.242	1.94E-08	CSCL2	QSOX1
DENND3.13	1.34E-12	-0.42865	0.002	0.104	2.00E-08	CSCL2	DENND3
CYTIP.12	1.35E-12	-0.51468	0.004	0.108	2.01E-08	CSCL2	CYTIP
MMP16.11	1.35E-12	0.220184	0.199	0.099	2.02E-08	CSCL2	MMP16
RPH3A.6	1.37E-12	0.133736	0.091	0.03	2.05E-08	CSCL2	RPH3A
SLN.9	1.38E-12	-0.63441	0.042	0.166	2.07E-08	CSCL2	SLN
SBK1.11	1.39E-12	0.184431	0.157	0.068	2.08E-08	CSCL2	SBK1
MGAT4A.13	1.41E-12	-0.55475	0.095	0.226	2.11E-08	CSCL2	MGAT4A
SP110.10	1.43E-12	-0.3496	0.066	0.203	2.13E-08	CSCL2	SP110
PPT1.10	1.43E-12	-0.42728	0.455	0.56	2.13E-08	CSCL2	PPT1
ADAT1.3	1.43E-12	0.197591	0.205	0.103	2.13E-08	CSCL2	ADAT1
HAMP.13	1.49E-12	-0.73656	0.046	0.165	2.22E-08	CSCL2	HAMP
GM2A.10	1.50E-12	-0.44102	0.031	0.148	2.24E-08	CSCL2	GM2A
LHFPL2.11	1.53E-12	-0.47627	0.044	0.165	2.28E-08	CSCL2	LHFPL2
DNER.10	1.56E-12	0.171447	0.455	0.273	2.32E-08	CSCL2	DNER
LAP3.10	1.59E-12	-0.39913	0.358	0.497	2.38E-08	CSCL2	LAP3
HYI.5	1.70E-12	0.236624	0.252	0.134	2.54E-08	CSCL2	HYI
TSR2.3	1.72E-12	0.214606	0.384	0.241	2.56E-08	CSCL2	TSR2
C22orf39.	1.72E-12	0.28018	0.393	0.254	2.57E-08	CSCL2	C22orf39
MAZ.10	1.78E-12	0.304126	0.38	0.245	2.66E-08	CSCL2	MAZ
SNRNP25.8	1.80E-12	0.213923	0.499	0.344	2.69E-08	CSCL2	SNRNP25

SFXN1. 8	1. 81E-12	0. 236179	0. 342	0. 212	2. 70E-08	CSCL2	SFXN1
SLC22A17.	1. 84E-12	0. 224389	0. 43	0. 278	2. 75E-08	CSCL2	SLC22A17
C1orf112.	1. 88E-12	0. 186594	0. 104	0. 038	2. 81E-08	CSCL2	C1orf112
NAPEPLD. 7	1. 91E-12	0. 190712	0. 194	0. 095	2. 86E-08	CSCL2	NAPEPLD
CNDP2. 11	1. 91E-12	-0. 4107	0. 305	0. 436	2. 86E-08	CSCL2	CNDP2
TSPAN31. 8	1. 94E-12	0. 348022	0. 408	0. 29	2. 89E-08	CSCL2	TSPAN31
CD84. 13	1. 99E-12	-0. 50083	0. 022	0. 133	2. 97E-08	CSCL2	CD84
DEPDC7. 1	2. 00E-12	0. 119846	0. 077	0. 024	2. 99E-08	CSCL2	DEPDC7
BAZ1A. 7	2. 01E-12	0. 225925	0. 464	0. 314	3. 00E-08	CSCL2	BAZ1A
RP5-1024C	2. 02E-12	0. 142306	0. 053	0. 013	3. 02E-08	CSCL2	RP5-1024C24. 1
NR2F2. 8	2. 03E-12	0. 185413	0. 113	0. 042	3. 03E-08	CSCL2	NR2F2
DDR1. 11	2. 06E-12	0. 236429	0. 488	0. 325	3. 08E-08	CSCL2	DDR1
TAPBP. 11	2. 10E-12	-0. 40245	0. 203	0. 348	3. 13E-08	CSCL2	TAPBP
OCIAD2. 12	2. 12E-12	-0. 58227	0. 243	0. 393	3. 17E-08	CSCL2	OCIAD2
PRDX6. 7	2. 14E-12	-0. 37873	0. 572	0. 626	3. 21E-08	CSCL2	PRDX6
MLLT4. 10	2. 18E-12	0. 266077	0. 276	0. 157	3. 26E-08	CSCL2	MLLT4
SLC39A6. 1	2. 23E-12	0. 208364	0. 472	0. 322	3. 33E-08	CSCL2	SLC39A6
VASP. 12	2. 23E-12	-0. 41437	0. 106	0. 245	3. 33E-08	CSCL2	VASP
CAHM. 11	2. 25E-12	0. 247216	0. 181	0. 088	3. 36E-08	CSCL2	CAHM
TRIM59. 2	2. 28E-12	0. 159997	0. 073	0. 022	3. 40E-08	CSCL2	TRIM59
ATL1. 8	2. 33E-12	0. 247095	0. 219	0. 112	3. 48E-08	CSCL2	ATL1
TRAF3IP2.	2. 34E-12	0. 224678	0. 19	0. 092	3. 50E-08	CSCL2	TRAF3IP2
RNF144B. 1	2. 44E-12	-0. 46672	0. 002	0. 102	3. 65E-08	CSCL2	RNF144B
RAE1. 8	2. 45E-12	0. 295862	0. 404	0. 262	3. 66E-08	CSCL2	RAE1
SIRPA. 10	2. 47E-12	-0. 43965	0. 113	0. 249	3. 69E-08	CSCL2	SIRPA
SEPT11. 11	2. 47E-12	0. 299394	0. 439	0. 297	3. 69E-08	CSCL2	11-Sep
PARVB. 12	2. 54E-12	-0. 36641	0. 046	0. 169	3. 80E-08	CSCL2	PARVB
ARHGAP4. 1	2. 58E-12	-0. 44126	0. 013	0. 12	3. 86E-08	CSCL2	ARHGAP4
YIF1A. 8	2. 62E-12	-0. 45775	0. 305	0. 429	3. 92E-08	CSCL2	YIF1A
GALNT13. 8	2. 71E-12	0. 160976	0. 11	0. 041	4. 05E-08	CSCL2	GALNT13
MEF2C. 12	2. 81E-12	-0. 56589	0. 157	0. 288	4. 19E-08	CSCL2	MEF2C
LUC7L3. 9	2. 85E-12	0. 204255	0. 695	0. 503	4. 26E-08	CSCL2	LUC7L3
ELOVL1. 7	2. 86E-12	-0. 45795	0. 097	0. 236	4. 28E-08	CSCL2	ELOVL1
KHSRP. 10	2. 98E-12	0. 222998	0. 369	0. 233	4. 45E-08	CSCL2	KHSRP
NCOA4. 12	2. 99E-12	-0. 436	0. 126	0. 268	4. 47E-08	CSCL2	NCOA4
AHI1. 5	3. 01E-12	0. 211007	0. 336	0. 2	4. 49E-08	CSCL2	AHI1
ATAD3A. 6	3. 13E-12	0. 230289	0. 26	0. 147	4. 68E-08	CSCL2	ATAD3A
KMT2C. 8	3. 17E-12	0. 191717	0. 406	0. 256	4. 74E-08	CSCL2	KMT2C
BCAP29. 6	3. 30E-12	0. 218032	0. 47	0. 311	4. 94E-08	CSCL2	BCAP29
ZNF384. 2	3. 45E-12	0. 10896	0. 143	0. 061	5. 15E-08	CSCL2	ZNF384
HLA-DQB2.	3. 48E-12	-0. 63497	0. 002	0. 101	5. 19E-08	CSCL2	HLA-DQB2
RNF181. 6	3. 48E-12	-0. 43265	0. 459	0. 558	5. 20E-08	CSCL2	RNF181
DAZAP2. 10	3. 52E-12	-0. 37748	0. 424	0. 541	5. 26E-08	CSCL2	DAZAP2
CEBPA. 12	3. 63E-12	-0. 40874	0. 007	0. 108	5. 42E-08	CSCL2	CEBPA
LRWD1. 9	3. 64E-12	0. 238135	0. 285	0. 166	5. 44E-08	CSCL2	LRWD1
PMP22. 11	3. 66E-12	-0. 4202	0. 302	0. 432	5. 47E-08	CSCL2	PMP22
SETD5. 12	3. 72E-12	0. 228611	0. 433	0. 283	5. 56E-08	CSCL2	SETD5
PBXIP1. 6	3. 76E-12	-0. 38894	0. 026	0. 139	5. 62E-08	CSCL2	PBXIP1
SMARCE1. 9	3. 88E-12	0. 201293	0. 528	0. 372	5. 80E-08	CSCL2	SMARCE1
GLDN. 12	3. 89E-12	-0. 41791	0. 002	0. 101	5. 81E-08	CSCL2	GLDN
LPAR5. 11	3. 96E-12	-0. 4433	0. 007	0. 107	5. 92E-08	CSCL2	LPAR5



C8orf33.9	3.98E-12	0.206658	0.461	0.313	5.94E-08	CSCL2	C8orf33
ZNF501.1	4.02E-12	0.138936	0.102	0.037	6.01E-08	CSCL2	ZNF501
FBXW7.8	4.06E-12	0.205459	0.232	0.123	6.07E-08	CSCL2	FBXW7
DDX23.5	4.21E-12	0.190595	0.272	0.154	6.29E-08	CSCL2	DDX23
KLHDC3.8	4.25E-12	0.204485	0.512	0.356	6.35E-08	CSCL2	KLHDC3
TMEM121.1	4.25E-12	0.249063	0.199	0.102	6.36E-08	CSCL2	TMEM121
TNFSF12.1	4.33E-12	-0.45513	0.066	0.19	6.47E-08	CSCL2	TNFSF12
LYPD6.1	4.34E-12	0.108946	0.068	0.02	6.48E-08	CSCL2	LYPD6
USP42.9	4.43E-12	0.181043	0.227	0.118	6.62E-08	CSCL2	USP42
ATOX1.7	4.46E-12	-0.34617	0.521	0.608	6.67E-08	CSCL2	ATOX1
SNAP23.12	4.49E-12	-0.39899	0.11	0.25	6.71E-08	CSCL2	SNAP23
EFHD1.7	4.56E-12	0.138212	0.135	0.055	6.81E-08	CSCL2	EFHD1
FMNL1.13	4.58E-12	-0.43786	0.02	0.128	6.84E-08	CSCL2	FMNL1
BZW1.6	4.74E-12	0.225631	0.7	0.532	7.08E-08	CSCL2	BZW1
ASNS.13	4.93E-12	0.206603	0.307	0.172	7.37E-08	CSCL2	ASNS
CFDP1.8	4.94E-12	0.151472	0.581	0.409	7.38E-08	CSCL2	CFDP1
HTATIP2.1	5.02E-12	-0.39891	0.035	0.151	7.51E-08	CSCL2	HTATIP2
CXCL14.8	5.06E-12	-0.53135	0.031	0.146	7.57E-08	CSCL2	CXCL14
LINC00152	5.40E-12	-0.31508	0.117	0.264	8.07E-08	CSCL2	LINC00152
DYNLT3.6	5.43E-12	-0.35062	0.152	0.3	8.12E-08	CSCL2	DYNLT3
GNG7.12	5.58E-12	-0.40891	0.157	0.305	8.33E-08	CSCL2	GNG7
SPTBN2.2	5.67E-12	0.115323	0.079	0.026	8.47E-08	CSCL2	SPTBN2
PDXK.11	5.81E-12	-0.41645	0.15	0.29	8.68E-08	CSCL2	PDXK
CLN6.8	5.81E-12	0.20672	0.236	0.125	8.68E-08	CSCL2	CLN6
TCEAL5.1C	6.01E-12	0.121535	0.234	0.116	8.98E-08	CSCL2	TCEAL5
GPT2.11	6.05E-12	0.182994	0.256	0.143	9.04E-08	CSCL2	GPT2
PSENN.9	6.23E-12	-0.45474	0.369	0.497	9.32E-08	CSCL2	PSENN
EID3	6.29E-12	0.142356	0.086	0.029	9.39E-08	CSCL2	EID3
BTBD17.1C	6.56E-12	0.143183	0.124	0.049	9.80E-08	CSCL2	BTBD17
KIAA0907	6.64E-12	0.228433	0.318	0.189	9.93E-08	CSCL2	KIAA0907
RNF213.12	6.69E-12	-0.42484	0.126	0.267	1.00E-07	CSCL2	RNF213
BOD1.12	6.76E-12	0.215847	0.446	0.297	1.01E-07	CSCL2	BOD1
SCO2.10	6.96E-12	-0.38108	0.082	0.216	1.04E-07	CSCL2	SCO2
UBE2V2.9	6.99E-12	0.172371	0.669	0.488	1.04E-07	CSCL2	UBE2V2
FRMD4B.12	7.03E-12	-0.49793	0.046	0.164	1.05E-07	CSCL2	FRMD4B
GARS.9	7.07E-12	0.233006	0.435	0.287	1.06E-07	CSCL2	GARS
ICOSLG.12	7.25E-12	-0.35411	0	0.095	1.08E-07	CSCL2	ICOSLG
SLC44A2.1	7.29E-12	0.220182	0.327	0.198	1.09E-07	CSCL2	SLC44A2
TMEM9B.3	7.40E-12	-0.38766	0.446	0.54	1.11E-07	CSCL2	TMEM9B
ZNF83.5	7.48E-12	0.246389	0.318	0.193	1.12E-07	CSCL2	ZNF83
HLA-F.12	7.52E-12	-0.48496	0.038	0.15	1.12E-07	CSCL2	HLA-F
SAA1.10	7.54E-12	-1.14465	0.018	0.123	1.13E-07	CSCL2	SAA1
MPP6.9	7.61E-12	0.190225	0.152	0.07	1.14E-07	CSCL2	MPP6
KDM1A.10	7.74E-12	0.196122	0.327	0.198	1.16E-07	CSCL2	KDM1A
PLBD1.13	7.97E-12	-0.36326	0.002	0.098	1.19E-07	CSCL2	PLBD1
CTNNA2.8	8.13E-12	0.16932	0.132	0.055	1.21E-07	CSCL2	CTNNA2
MIR22HG.1	8.14E-12	-0.38442	0.013	0.117	1.22E-07	CSCL2	MIR22HG
RBFOX2.11	8.19E-12	0.217877	0.347	0.211	1.22E-07	CSCL2	RBFOX2
GABARAP.1	8.24E-12	-0.56541	0.349	0.465	1.23E-07	CSCL2	GABARAP
TRIB1.7	8.24E-12	-0.43247	0.044	0.161	1.23E-07	CSCL2	TRIB1
GTF2IRD1	8.26E-12	0.188464	0.161	0.074	1.23E-07	CSCL2	GTF2IRD1

FAM60A.7	8.37E-12	0.216354	0.289	0.17	1.25E-07	CSCL2	FAM60A
ITGAE.5	8.51E-12	0.215507	0.519	0.359	1.27E-07	CSCL2	ITGAE
CPSF3.5	8.54E-12	0.2529	0.289	0.172	1.28E-07	CSCL2	CPSF3
OS9.4	8.57E-12	0.36255	0.607	0.533	1.28E-07	CSCL2	OS9
IDS.6	8.80E-12	-0.31768	0.23	0.374	1.31E-07	CSCL2	IDS
SPTLC2.12	8.85E-12	-0.49616	0.088	0.215	1.32E-07	CSCL2	SPTLC2
SELPLG.11	8.87E-12	-0.52783	0.02	0.125	1.33E-07	CSCL2	SELPLG
ZNF503.4	8.89E-12	0.190017	0.201	0.1	1.33E-07	CSCL2	ZNF503
EIF3B.7	9.23E-12	0.187055	0.377	0.242	1.38E-07	CSCL2	EIF3B
DCAF7.8	9.43E-12	0.298215	0.45	0.315	1.41E-07	CSCL2	DCAF7
CD58.13	9.50E-12	-0.40067	0.099	0.232	1.42E-07	CSCL2	CD58
BRAT1.7	9.65E-12	0.265028	0.3	0.179	1.44E-07	CSCL2	BRAT1
CCT3.8	9.70E-12	0.177547	0.748	0.571	1.45E-07	CSCL2	CCT3
CSRP1.9	9.76E-12	-0.34339	0.102	0.244	1.46E-07	CSCL2	CSRP1
RAC2.13	9.99E-12	-0.46611	0.018	0.123	1.49E-07	CSCL2	RAC2
PCMTD2.1C	1.00E-11	0.251416	0.349	0.222	1.50E-07	CSCL2	PCMTD2
GSX2.1	1.01E-11	0.136608	0.051	0.013	1.51E-07	CSCL2	GSX2
CA2.11	1.03E-11	-0.49644	0.097	0.231	1.54E-07	CSCL2	CA2
LAMTOR2.1	1.05E-11	-0.36429	0.494	0.59	1.57E-07	CSCL2	LAMTOR2
NUDT11.1C	1.07E-11	0.188265	0.232	0.122	1.60E-07	CSCL2	NUDT11
NSMCE4A.6	1.07E-11	0.229379	0.263	0.148	1.60E-07	CSCL2	NSMCE4A
HPS1.12	1.09E-11	-0.42303	0.013	0.115	1.63E-07	CSCL2	HPS1
ASNSD1.9	1.10E-11	0.199205	0.408	0.266	1.64E-07	CSCL2	ASNSD1
IMMP1L.11	1.11E-11	0.26164	0.355	0.227	1.66E-07	CSCL2	IMMP1L
TAGAP.13	1.11E-11	-0.48113	0.007	0.104	1.66E-07	CSCL2	TAGAP
ARID5A.9	1.12E-11	-0.41376	0.155	0.295	1.67E-07	CSCL2	ARID5A
NOL11.9	1.16E-11	0.163179	0.311	0.184	1.74E-07	CSCL2	NOL11
SKIV2L2.7	1.20E-11	0.24327	0.267	0.152	1.79E-07	CSCL2	SKIV2L2
KLF4.13	1.21E-11	-0.55671	0.091	0.211	1.81E-07	CSCL2	KLF4
HSPA1A.9	1.22E-11	0.269562	0.629	0.486	1.83E-07	CSCL2	HSPA1A
SIGLEC9.1	1.23E-11	-0.41212	0.002	0.096	1.84E-07	CSCL2	SIGLEC9
B4GALT1.1	1.28E-11	-0.45309	0.02	0.124	1.91E-07	CSCL2	B4GALT1
PICALM.13	1.30E-11	-0.40382	0.148	0.287	1.94E-07	CSCL2	PICALM
PTCD3.9	1.31E-11	0.280465	0.349	0.225	1.96E-07	CSCL2	PTCD3
SNX9.10	1.37E-11	-0.39896	0.071	0.194	2.04E-07	CSCL2	SNX9
TOPORS.8	1.39E-11	0.210324	0.298	0.174	2.08E-07	CSCL2	TOPORS
AHNAK.6	1.40E-11	-0.33751	0.018	0.122	2.10E-07	CSCL2	AHNAK
ELAVL1.8	1.42E-11	0.247902	0.488	0.338	2.12E-07	CSCL2	ELAVL1
SIPA1.12	1.42E-11	-0.38201	0.033	0.144	2.12E-07	CSCL2	SIPA1
GTDC1.2	1.42E-11	0.161053	0.192	0.095	2.12E-07	CSCL2	GTDC1
EIF5.5	1.43E-11	0.219318	0.799	0.644	2.14E-07	CSCL2	EIF5
CHST9.3	1.45E-11	0.170236	0.088	0.031	2.17E-07	CSCL2	CHST9
FAM110A.7	1.48E-11	0.215333	0.155	0.07	2.22E-07	CSCL2	FAM110A
ZNF423.1	1.48E-11	0.115567	0.062	0.017	2.22E-07	CSCL2	ZNF423
TSN.8	1.51E-11	0.185133	0.525	0.371	2.26E-07	CSCL2	TSN
ANKLE2.4	1.54E-11	0.174259	0.296	0.175	2.30E-07	CSCL2	ANKLE2
DCAF16.8	1.54E-11	0.189614	0.216	0.115	2.30E-07	CSCL2	DCAF16
LGALS1.1C	1.55E-11	-0.28819	0.62	0.707	2.31E-07	CSCL2	LGALS1
RP11-231C	1.55E-11	0.101188	0.046	0.011	2.32E-07	CSCL2	RP11-231C18.1
FOXG1.11	1.56E-11	0.267414	0.258	0.149	2.33E-07	CSCL2	FOXG1
PPM1B.7	1.56E-11	0.208746	0.446	0.295	2.33E-07	CSCL2	PPM1B

SRSF9.10	1.59E-11	0.242343	0.726	0.555	2.38E-07	CSCL2	SRSF9
PIK3R1.1C	1.61E-11	0.20884	0.459	0.301	2.40E-07	CSCL2	PIK3R1
ZNF567.5	1.66E-11	0.195345	0.185	0.092	2.49E-07	CSCL2	ZNF567
THAP5.7	1.70E-11	0.183841	0.296	0.174	2.54E-07	CSCL2	THAP5
TNC.12	1.70E-11	-0.38246	0.077	0.206	2.55E-07	CSCL2	TNC
PTTG1IP.6	1.71E-11	-0.35546	0.342	0.461	2.56E-07	CSCL2	PTTG1IP
TTC21B.3	1.72E-11	0.188101	0.11	0.043	2.56E-07	CSCL2	TTC21B
ALDH2.9	1.72E-11	-0.45158	0.249	0.376	2.58E-07	CSCL2	ALDH2
MT1E.11	1.74E-11	-0.53838	0.241	0.386	2.61E-07	CSCL2	MT1E
RNF112.3	1.76E-11	0.12646	0.095	0.034	2.63E-07	CSCL2	RNF112
TMEM160.1	1.76E-11	0.274473	0.616	0.46	2.64E-07	CSCL2	TMEM160
PPIG.4	1.81E-11	0.179615	0.678	0.523	2.70E-07	CSCL2	PPIG
SEPT5.2	1.81E-11	0.121462	0.086	0.03	2.70E-07	CSCL2	5-Sep
IP6K2.10	1.81E-11	0.157909	0.609	0.428	2.71E-07	CSCL2	IP6K2
PREX1.11	1.86E-11	-0.36553	0.091	0.223	2.78E-07	CSCL2	PREX1
MRC2.8	1.89E-11	-0.34446	0.06	0.178	2.83E-07	CSCL2	MRC2
TMEM119.1	1.94E-11	-0.49706	0.011	0.109	2.90E-07	CSCL2	TMEM119
TNFAIP8L2	1.96E-11	-0.41413	0.004	0.098	2.92E-07	CSCL2	TNFAIP8L2
MASP1.7	1.97E-11	0.10327	0.102	0.037	2.94E-07	CSCL2	MASP1
POLR2J.8	1.97E-11	0.112504	0.786	0.638	2.94E-07	CSCL2	POLR2J
ITPR2.11	1.97E-11	-0.29177	0.026	0.136	2.94E-07	CSCL2	ITPR2
SNTG1.10	1.98E-11	0.174245	0.263	0.149	2.95E-07	CSCL2	SNTG1
SYK.13	2.00E-11	-0.39332	0.011	0.11	2.98E-07	CSCL2	SYK
NUFIP1.7	2.08E-11	0.255937	0.21	0.111	3.11E-07	CSCL2	NUFIP1
NKTR.9	2.08E-11	0.180521	0.508	0.351	3.11E-07	CSCL2	NKTR
CD55.12	2.08E-11	-0.47961	0.02	0.122	3.11E-07	CSCL2	CD55
FAM49B.11	2.11E-11	-0.37596	0.411	0.51	3.16E-07	CSCL2	FAM49B
WDR83OS.6	2.15E-11	-0.31381	0.715	0.745	3.22E-07	CSCL2	WDR83OS
TNFRSF14.	2.17E-11	-0.42823	0.018	0.119	3.24E-07	CSCL2	TNFRSF14
PPP2R5E.1	2.18E-11	0.212652	0.373	0.242	3.26E-07	CSCL2	PPP2R5E
ARHGAP30.	2.20E-11	-0.39388	0.004	0.098	3.29E-07	CSCL2	ARHGAP30
TRIM38.1C	2.21E-11	-0.37715	0.007	0.102	3.30E-07	CSCL2	TRIM38
ITM2B.8	2.24E-11	-0.15778	0.834	0.798	3.34E-07	CSCL2	ITM2B
MCAM.4	2.32E-11	0.1328	0.104	0.04	3.47E-07	CSCL2	MCAM
HMHA1.13	2.33E-11	-0.42716	0.013	0.112	3.48E-07	CSCL2	HMHA1
YAF2.8	2.35E-11	0.179724	0.497	0.341	3.51E-07	CSCL2	YAF2
THBD.12	2.37E-11	-0.4243	0.004	0.098	3.54E-07	CSCL2	THBD
JAM3.9	2.38E-11	0.186655	0.256	0.145	3.56E-07	CSCL2	JAM3
MDC1.2	2.39E-11	0.195637	0.132	0.058	3.57E-07	CSCL2	MDC1
RASGEF1B.	2.40E-11	-0.47618	0.022	0.125	3.59E-07	CSCL2	RASGEF1B
CCNB1IP1.	2.42E-11	0.192255	0.28	0.16	3.61E-07	CSCL2	CCNB1IP1
HLA-DOA.1	2.56E-11	-0.41458	0.004	0.098	3.82E-07	CSCL2	HLA-DOA
HSPA4L.8	2.58E-11	0.168133	0.152	0.07	3.86E-07	CSCL2	HSPA4L
TCEAL7.11	2.64E-11	0.117534	0.457	0.296	3.94E-07	CSCL2	TCEAL7
SCN3A.10	2.64E-11	0.15844	0.152	0.069	3.94E-07	CSCL2	SCN3A
ZNF254.8	2.64E-11	0.176474	0.247	0.137	3.94E-07	CSCL2	ZNF254
MPDU1.4	2.67E-11	0.182036	0.461	0.311	3.99E-07	CSCL2	MPDU1
FBXL18.1	2.68E-11	0.116194	0.097	0.036	4.00E-07	CSCL2	FBXL18
ZNF713.4	2.70E-11	0.107176	0.113	0.044	4.03E-07	CSCL2	ZNF713
IMMT.6	2.70E-11	0.21562	0.435	0.297	4.03E-07	CSCL2	IMMT
BLVRA.11	2.76E-11	0.104931	0.501	0.333	4.13E-07	CSCL2	BLVRA

CTBS. 8	2. 78E-11	-0. 36803	0. 046	0. 16	4. 15E-07	CSCL2	CTBS
MUTYH. 2	2. 83E-11	0. 224387	0. 185	0. 093	4. 23E-07	CSCL2	MUTYH
GNAI2. 11	2. 87E-11	-0. 33566	0. 371	0. 487	4. 29E-07	CSCL2	GNAI2
ZHX2. 3	2. 92E-11	0. 163753	0. 117	0. 048	4. 37E-07	CSCL2	ZHX2
SLC50A1. 1	2. 96E-11	-0. 42747	0. 055	0. 172	4. 43E-07	CSCL2	SLC50A1
WBP11. 4	2. 98E-11	0. 150405	0. 435	0. 285	4. 45E-07	CSCL2	WBP11
YPEL5. 5	3. 06E-11	-0. 46016	0. 333	0. 457	4. 57E-07	CSCL2	YPEL5
ABHD3. 9	3. 08E-11	0. 237762	0. 3	0. 178	4. 60E-07	CSCL2	ABHD3
SH3BP5. 1C	3. 11E-11	-0. 31527	0. 079	0. 206	4. 65E-07	CSCL2	SH3BP5
MKRN1. 11	3. 14E-11	0. 204598	0. 57	0. 402	4. 70E-07	CSCL2	MKRN1
ZSCAN21. 8	3. 15E-11	0. 150278	0. 194	0. 098	4. 71E-07	CSCL2	ZSCAN21
FKBPL. 6	3. 15E-11	0. 204921	0. 139	0. 062	4. 71E-07	CSCL2	FKBPL
ARRB2. 12	3. 18E-11	-0. 52359	0. 287	0. 405	4. 75E-07	CSCL2	ARRB2
PADI2. 11	3. 25E-11	-0. 4669	0. 033	0. 139	4. 86E-07	CSCL2	PADI2
ZNF821. 11	3. 27E-11	0. 195725	0. 276	0. 159	4. 88E-07	CSCL2	ZNF821
PSRC1. 10	3. 31E-11	0. 334199	0. 384	0. 259	4. 95E-07	CSCL2	PSRC1
PCDH17. 11	3. 34E-11	0. 290525	0. 302	0. 187	4. 99E-07	CSCL2	PCDH17
TFPT. 9	3. 37E-11	-0. 41237	0. 179	0. 313	5. 03E-07	CSCL2	TFPT
ZNF670. 2	3. 40E-11	0. 110707	0. 113	0. 045	5. 08E-07	CSCL2	ZNF670
RNF157. 11	3. 43E-11	0. 205446	0. 234	0. 13	5. 13E-07	CSCL2	RNF157
PRDX2. 11	3. 44E-11	0. 128542	0. 883	0. 694	5. 14E-07	CSCL2	PRDX2
EBI3. 12	3. 50E-11	-0. 43989	0. 007	0. 1	5. 24E-07	CSCL2	EBI3
VIM. 11	3. 53E-11	-0. 24199	0. 565	0. 667	5. 27E-07	CSCL2	VIM
LMO2. 6	3. 62E-11	-0. 27139	0. 051	0. 169	5. 41E-07	CSCL2	LMO2
MANBA. 12	3. 65E-11	-0. 38012	0. 022	0. 125	5. 45E-07	CSCL2	MANBA
MAGI2. 10	3. 72E-11	0. 216367	0. 199	0. 101	5. 56E-07	CSCL2	MAGI2
LPXN. 12	3. 73E-11	-0. 42314	0. 015	0. 114	5. 58E-07	CSCL2	LPXN
UBE2L6. 7	3. 74E-11	-0. 39529	0. 355	0. 478	5. 59E-07	CSCL2	UBE2L6
RTN3. 10	3. 74E-11	0. 144594	0. 792	0. 649	5. 60E-07	CSCL2	RTN3
ETHE1. 6	3. 80E-11	-0. 44275	0. 159	0. 294	5. 69E-07	CSCL2	ETHE1
NUP85. 6	3. 83E-11	0. 201921	0. 221	0. 119	5. 72E-07	CSCL2	NUP85
POLR2H. 9	3. 85E-11	0. 214249	0. 464	0. 317	5. 76E-07	CSCL2	POLR2H
TLE2. 11	3. 91E-11	0. 249349	0. 177	0. 087	5. 84E-07	CSCL2	TLE2
ADIPOR1. 8	3. 95E-11	-0. 38891	0. 247	0. 385	5. 90E-07	CSCL2	ADIPOR1
LRRC25. 13	3. 95E-11	-0. 40317	0. 004	0. 096	5. 91E-07	CSCL2	LRRC25
DUSP2. 12	4. 07E-11	-0. 45599	0. 015	0. 114	6. 08E-07	CSCL2	DUSP2
MAP2K3. 11	4. 07E-11	-0. 33488	0. 071	0. 194	6. 08E-07	CSCL2	MAP2K3
KHDC1. 9	4. 19E-11	0. 166931	0. 139	0. 061	6. 27E-07	CSCL2	KHDC1
RNF130. 11	4. 22E-11	-0. 36473	0. 353	0. 467	6. 30E-07	CSCL2	RNF130
HIST1H2AC	4. 22E-11	-0. 17694	0. 053	0. 171	6. 30E-07	CSCL2	HIST1H2AC
VDAC3. 8	4. 33E-11	0. 190907	0. 62	0. 458	6. 47E-07	CSCL2	VDAC3
KLHL22. 5	4. 39E-11	0. 167326	0. 172	0. 084	6. 56E-07	CSCL2	KLHL22
FAM122B. 4	4. 42E-11	0. 1963	0. 19	0. 096	6. 61E-07	CSCL2	FAM122B
PLEC. 10	4. 43E-11	-0. 33235	0. 068	0. 191	6. 62E-07	CSCL2	PLEC
RASSF5. 12	4. 48E-11	-0. 3864	0. 022	0. 123	6. 69E-07	CSCL2	RASSF5
LSM14A. 8	4. 51E-11	0. 255775	0. 536	0. 375	6. 73E-07	CSCL2	LSM14A
LYST. 6	4. 61E-11	-0. 28707	0. 042	0. 154	6. 89E-07	CSCL2	LYST
SUSD3. 12	4. 66E-11	-0. 43642	0. 007	0. 099	6. 96E-07	CSCL2	SUSD3
SNRPA1. 8	4. 70E-11	0. 128345	0. 437	0. 289	7. 03E-07	CSCL2	SNRPA1
TRA2A. 7	4. 75E-11	0. 200628	0. 477	0. 338	7. 10E-07	CSCL2	TRA2A
CDH20. 2	4. 76E-11	0. 101599	0. 062	0. 018	7. 11E-07	CSCL2	CDH20

TFAP4. 2	5. 05E-11	0. 152416	0. 121	0. 051	7. 54E-07	CSCL2	TFAP4
FKBP4. 8	5. 13E-11	0. 209359	0. 461	0. 315	7. 66E-07	CSCL2	FKBP4
SPHK1. 10	5. 23E-11	-0. 27238	0. 013	0. 11	7. 82E-07	CSCL2	SPHK1
TEAD2. 11	5. 30E-11	0. 221796	0. 172	0. 087	7. 92E-07	CSCL2	TEAD2
GDAP1L1. 1	5. 32E-11	0. 159188	0. 196	0. 097	7. 95E-07	CSCL2	GDAP1L1
WWTR1. 13	5. 33E-11	-0. 32727	0. 051	0. 164	7. 96E-07	CSCL2	WWTR1
PRPSAP1. 1	5. 43E-11	0. 250691	0. 439	0. 301	8. 12E-07	CSCL2	PRPSAP1
SMAP2. 10	5. 52E-11	-0. 48702	0. 119	0. 241	8. 24E-07	CSCL2	SMAP2
ABCC3. 6	5. 64E-11	-0. 33828	0. 009	0. 103	8. 43E-07	CSCL2	ABCC3
LCP2. 13	5. 85E-11	-0. 43793	0. 02	0. 119	8. 75E-07	CSCL2	LCP2
ZNF253. 8	5. 95E-11	0. 167373	0. 166	0. 08	8. 89E-07	CSCL2	ZNF253
SPECC1. 12	5. 98E-11	0. 222327	0. 428	0. 291	8. 94E-07	CSCL2	SPECC1
MEF2A. 12	5. 99E-11	-0. 44707	0. 097	0. 22	8. 95E-07	CSCL2	MEF2A
POLA1	6. 28E-11	0. 125976	0. 088	0. 032	9. 39E-07	CSCL2	POLA1
POLE4. 9	6. 46E-11	0. 183517	0. 424	0. 279	9. 65E-07	CSCL2	POLE4
MDFI. 10	6. 47E-11	0. 215881	0. 17	0. 084	9. 67E-07	CSCL2	MDFI
MTF2. 8	6. 50E-11	0. 215581	0. 382	0. 249	9. 72E-07	CSCL2	MTF2
DRAP1. 2	6. 53E-11	-0. 26671	0. 656	0. 675	9. 76E-07	CSCL2	DRAP1
ASAP2. 9	6. 57E-11	0. 217223	0. 179	0. 092	9. 83E-07	CSCL2	ASAP2
ANXA6. 5	6. 60E-11	0. 235341	0. 296	0. 18	9. 86E-07	CSCL2	ANXA6
AKR1A1. 9	6. 62E-11	-0. 41536	0. 384	0. 502	9. 89E-07	CSCL2	AKR1A1
DDX56. 8	6. 71E-11	0. 231371	0. 382	0. 252	1. 00E-06	CSCL2	DDX56
STK25. 11	6. 82E-11	0. 229283	0. 428	0. 297	1. 02E-06	CSCL2	STK25
LDHA. 8	6. 89E-11	-0. 29475	0. 773	0. 766	1. 03E-06	CSCL2	LDHA
TMC6. 13	6. 90E-11	-0. 41181	0. 018	0. 115	1. 03E-06	CSCL2	TMC6
NNMT. 10	6. 91E-11	-0. 3934	0. 049	0. 162	1. 03E-06	CSCL2	NNMT
CISD3. 11	6. 95E-11	-0. 35225	0. 126	0. 259	1. 04E-06	CSCL2	CISD3
TTI1. 7	6. 98E-11	0. 171422	0. 183	0. 093	1. 04E-06	CSCL2	TTI1
ZNF286A. 7	7. 13E-11	0. 124767	0. 13	0. 056	1. 07E-06	CSCL2	ZNF286A
IRS2. 8	7. 13E-11	-0. 37907	0. 221	0. 353	1. 07E-06	CSCL2	IRS2
SF1. 7	7. 30E-11	0. 165802	0. 656	0. 501	1. 09E-06	CSCL2	SF1
ACIN1. 9	7. 44E-11	0. 20524	0. 395	0. 26	1. 11E-06	CSCL2	ACIN1
RRAS. 5	7. 52E-11	-0. 23947	0. 013	0. 11	1. 12E-06	CSCL2	RRAS
PNRC1. 10	7. 57E-11	-0. 31301	0. 442	0. 544	1. 13E-06	CSCL2	PNRC1
CXCL2. 10	7. 66E-11	-0. 49579	0. 002	0. 09	1. 14E-06	CSCL2	CXCL2
FN3KRP. 5	7. 81E-11	0. 194472	0. 344	0. 216	1. 17E-06	CSCL2	FN3KRP
ENO1. 7	7. 85E-11	-0. 18055	0. 808	0. 794	1. 17E-06	CSCL2	ENO1
KCNMA1. 9	7. 91E-11	-0. 32814	0. 038	0. 147	1. 18E-06	CSCL2	KCNMA1
DDX55. 6	8. 02E-11	0. 217047	0. 212	0. 114	1. 20E-06	CSCL2	DDX55
AC004158. 8	8. 03E-11	0. 184128	0. 219	0. 119	1. 20E-06	CSCL2	AC004158. 3
GPR75-ASE	8. 08E-11	0. 242619	0. 168	0. 083	1. 21E-06	CSCL2	GPR75-ASB3
EVL. 7	8. 11E-11	-0. 49315	0. 23	0. 357	1. 21E-06	CSCL2	EVL
CEP192. 1	8. 16E-11	0. 103481	0. 099	0. 038	1. 22E-06	CSCL2	CEP192
AGPAT2. 11	8. 16E-11	-0. 29402	0. 064	0. 184	1. 22E-06	CSCL2	AGPAT2
SIVA1. 6	8. 26E-11	0. 196358	0. 634	0. 479	1. 23E-06	CSCL2	SIVA1
MARCH2. 1C	8. 28E-11	-0. 32977	0. 108	0. 238	1. 24E-06	CSCL2	2-Mar
LG MN. 11	8. 48E-11	-0. 42733	0. 221	0. 356	1. 27E-06	CSCL2	LG MN
UFD1L. 7	8. 48E-11	0. 227449	0. 461	0. 325	1. 27E-06	CSCL2	UFD1L
VAMP3. 9	8. 53E-11	-0. 40402	0. 219	0. 353	1. 27E-06	CSCL2	VAMP3
ARID4A. 7	8. 55E-11	0. 169765	0. 413	0. 269	1. 28E-06	CSCL2	ARID4A
DCUN1D4. 6	8. 58E-11	0. 171356	0. 188	0. 096	1. 28E-06	CSCL2	DCUN1D4

ARHGEF7.1	8.80E-11	0.163861	0.272	0.153	1.32E-06	CSCL2	ARHGEF7
ACO05076.	8.81E-11	0.199743	0.091	0.033	1.32E-06	CSCL2	ACO05076.5
PLIN3.9	8.84E-11	-0.29616	0.216	0.364	1.32E-06	CSCL2	PLIN3
COTL1.11	8.84E-11	-0.32496	0.402	0.514	1.32E-06	CSCL2	COTL1
NFKBID.11	8.86E-11	-0.46922	0.04	0.144	1.32E-06	CSCL2	NFKBID
RORB.7	9.31E-11	0.226651	0.095	0.035	1.39E-06	CSCL2	RORB
PRDM1.12	9.33E-11	-0.40132	0.011	0.103	1.39E-06	CSCL2	PRDM1
MAD1L1.6	9.34E-11	0.132774	0.269	0.152	1.40E-06	CSCL2	MAD1L1
PPP1R15A.	9.40E-11	-0.41768	0.369	0.471	1.40E-06	CSCL2	PPP1R15A
FAHD2A.6	9.44E-11	0.201892	0.28	0.168	1.41E-06	CSCL2	FAHD2A
ORAI3.9	9.55E-11	-0.31424	0.038	0.145	1.43E-06	CSCL2	ORAI3
CCR1.12	9.59E-11	-0.36374	0	0.085	1.43E-06	CSCL2	CCR1
ALYREF.11	9.68E-11	0.266131	0.241	0.142	1.45E-06	CSCL2	ALYREF
SUN1.9	9.87E-11	0.238499	0.325	0.203	1.47E-06	CSCL2	SUN1
ISG20.7	9.89E-11	-0.41156	0.024	0.126	1.48E-06	CSCL2	ISG20
RPS6KA1.1	1.01E-10	-0.43742	0.033	0.135	1.51E-06	CSCL2	RPS6KA1
GPATCH8.9	1.01E-10	0.175038	0.439	0.298	1.51E-06	CSCL2	GPATCH8
CLEC5A.12	1.02E-10	-0.46902	0.011	0.103	1.52E-06	CSCL2	CLEC5A
A1BG.5	1.03E-10	-0.37322	0.17	0.304	1.54E-06	CSCL2	A1BG
ANXA7.9	1.03E-10	-0.32449	0.208	0.344	1.54E-06	CSCL2	ANXA7
SPOCK2.1C	1.04E-10	-0.25733	0.035	0.143	1.56E-06	CSCL2	SPOCK2
REPIN1.12	1.05E-10	0.224426	0.402	0.269	1.57E-06	CSCL2	REPIN1
WDR90.1	1.06E-10	0.112824	0.084	0.03	1.58E-06	CSCL2	WDR90
MPHOSPH1C	1.08E-10	0.166898	0.364	0.233	1.61E-06	CSCL2	MPHOSPH10
DAB2.12	1.09E-10	-0.53452	0.049	0.154	1.62E-06	CSCL2	DAB2
SOX5.10	1.13E-10	0.211112	0.17	0.085	1.69E-06	CSCL2	SOX5
PARP9.7	1.16E-10	-0.26868	0.057	0.174	1.74E-06	CSCL2	PARP9
PRPF3.3	1.16E-10	0.139898	0.21	0.111	1.74E-06	CSCL2	PRPF3
GTF2IRD2E	1.19E-10	0.154913	0.241	0.133	1.77E-06	CSCL2	GTF2IRD2B
BUD31.9	1.20E-10	0.110996	0.779	0.622	1.79E-06	CSCL2	BUD31
C1orf35.1	1.20E-10	0.227947	0.389	0.258	1.80E-06	CSCL2	C1orf35
HSPA1B.8	1.22E-10	0.266627	0.536	0.405	1.83E-06	CSCL2	HSPA1B
LUC7L.8	1.25E-10	0.187306	0.371	0.24	1.86E-06	CSCL2	LUC7L
PARP14.9	1.25E-10	-0.29303	0.049	0.161	1.87E-06	CSCL2	PARP14
GRINA.8	1.26E-10	-0.3832	0.329	0.441	1.88E-06	CSCL2	GRINA
METTL21B.	1.27E-10	0.158846	0.137	0.062	1.89E-06	CSCL2	METTL21B
ATF3.11	1.28E-10	-0.41608	0.183	0.307	1.91E-06	CSCL2	ATF3
NDRG1.8	1.29E-10	-0.51059	0.062	0.176	1.92E-06	CSCL2	NDRG1
P2RY13.11	1.29E-10	-0.46337	0.002	0.088	1.93E-06	CSCL2	P2RY13
MKNK1.12	1.30E-10	-0.47151	0.062	0.175	1.94E-06	CSCL2	MKNK1
ATP6AP2.8	1.30E-10	-0.32188	0.607	0.658	1.94E-06	CSCL2	ATP6AP2
PHACTR4.7	1.30E-10	0.222293	0.316	0.197	1.95E-06	CSCL2	PHACTR4
CTSA.12	1.34E-10	-0.33763	0.278	0.404	2.00E-06	CSCL2	CTSA
MIR497HG.	1.37E-10	0.135813	0.141	0.064	2.04E-06	CSCL2	MIR497HG
HOXC10.9	1.39E-10	0.125855	0.121	0.051	2.07E-06	CSCL2	HOXC10
FBXO32.1C	1.39E-10	-0.42585	0.049	0.158	2.08E-06	CSCL2	FBXO32
LINC01116	1.39E-10	0.164495	0.232	0.129	2.08E-06	CSCL2	LINC01116
NINJ1.13	1.44E-10	-0.50939	0.364	0.455	2.14E-06	CSCL2	NINJ1
CCDC88A.1	1.45E-10	0.17469	0.556	0.411	2.17E-06	CSCL2	CCDC88A
UBE2R2.8	1.45E-10	0.210251	0.415	0.281	2.17E-06	CSCL2	UBE2R2
CX3CR1.12	1.48E-10	-0.47951	0.013	0.105	2.22E-06	CSCL2	CX3CR1

RSF1.9	1.54E-10	0.168162	0.572	0.411	2.30E-06	CSCL2	RSF1
HADH.5	1.54E-10	0.147074	0.325	0.203	2.30E-06	CSCL2	HADH
LILRB1.13	1.57E-10	-0.37779	0.007	0.095	2.34E-06	CSCL2	LILRB1
DTNA.11	1.59E-10	-0.41835	0.13	0.258	2.38E-06	CSCL2	DTNA
FAM195A.8	1.60E-10	-0.22842	0.124	0.259	2.39E-06	CSCL2	FAM195A
DEF6.13	1.61E-10	-0.3577	0.007	0.095	2.40E-06	CSCL2	DEF6
LSM2.8	1.61E-10	0.170212	0.609	0.441	2.41E-06	CSCL2	LSM2
C1orf123.	1.61E-10	0.201973	0.483	0.335	2.41E-06	CSCL2	C1orf123
VPS4A.7	1.62E-10	0.190897	0.439	0.302	2.42E-06	CSCL2	VPS4A
LILRA2.13	1.65E-10	-0.40607	0.002	0.087	2.47E-06	CSCL2	LILRA2
TRAP1.10	1.67E-10	0.223165	0.382	0.253	2.49E-06	CSCL2	TRAP1
CCER2.11	1.71E-10	0.156838	0.124	0.052	2.56E-06	CSCL2	CCER2
RP11-182L	1.81E-10	0.138204	0.143	0.066	2.71E-06	CSCL2	RP11-182L21.6
GNAI1.10	1.82E-10	0.158021	0.199	0.101	2.72E-06	CSCL2	GNAI1
UCK1.4	1.82E-10	0.193011	0.296	0.18	2.72E-06	CSCL2	UCK1
FKBP3.6	1.85E-10	0.171018	0.64	0.47	2.76E-06	CSCL2	FKBP3
MYCN.2	1.86E-10	0.102674	0.064	0.02	2.78E-06	CSCL2	MYCN
GDAP1.11	1.86E-10	0.243421	0.258	0.147	2.78E-06	CSCL2	GDAP1
RNF7.5	1.87E-10	-0.37526	0.448	0.535	2.79E-06	CSCL2	RNF7
XRN2.7	1.89E-10	0.21449	0.605	0.452	2.83E-06	CSCL2	XRN2
C1orf109.	1.92E-10	0.201977	0.227	0.128	2.87E-06	CSCL2	C1orf109
MERTK.11	1.93E-10	-0.41132	0.029	0.128	2.88E-06	CSCL2	MERTK
NLGN3.11	1.94E-10	0.203675	0.203	0.11	2.89E-06	CSCL2	NLGN3
ALKBH4.9	1.94E-10	0.199883	0.309	0.194	2.90E-06	CSCL2	ALKBH4
ZNF512.8	1.94E-10	0.214885	0.219	0.12	2.90E-06	CSCL2	ZNF512
INTS1.3	1.99E-10	0.131733	0.17	0.084	2.97E-06	CSCL2	INTS1
PRDX1.10	1.99E-10	-0.25838	0.795	0.809	2.98E-06	CSCL2	PRDX1
DYNC1LI2.	2.00E-10	0.220438	0.488	0.339	2.99E-06	CSCL2	DYNC1LI2
NUCB2.8	2.04E-10	0.221683	0.486	0.341	3.05E-06	CSCL2	NUCB2
TSEN15.8	2.09E-10	0.226702	0.351	0.228	3.12E-06	CSCL2	TSEN15
SHKBP1.10	2.09E-10	-0.30597	0.115	0.242	3.12E-06	CSCL2	SHKBP1
ROM1.10	2.12E-10	-0.29514	0.02	0.117	3.16E-06	CSCL2	ROM1
GTF3C5.9	2.14E-10	0.223273	0.296	0.182	3.20E-06	CSCL2	GTF3C5
CCL4L2.11	2.16E-10	-0.64524	0.004	0.09	3.24E-06	CSCL2	CCL4L2
NRBF2.8	2.20E-10	-0.37921	0.15	0.276	3.29E-06	CSCL2	NRBF2
SPIRE2.1	2.22E-10	0.117993	0.093	0.035	3.32E-06	CSCL2	SPIRE2
PLK3.9	2.25E-10	-0.45738	0.126	0.245	3.36E-06	CSCL2	PLK3
DAXX.6	2.32E-10	0.221109	0.316	0.199	3.47E-06	CSCL2	DAXX
HOXA5.8	2.33E-10	0.113108	0.132	0.057	3.48E-06	CSCL2	HOXA5
RSU1.7	2.34E-10	-0.4384	0.148	0.274	3.50E-06	CSCL2	RSU1
PCGF6	2.34E-10	0.159573	0.155	0.074	3.50E-06	CSCL2	PCGF6
ST3GAL5.7	2.38E-10	0.226171	0.305	0.186	3.56E-06	CSCL2	ST3GAL5
ZDHHC24.7	2.42E-10	-0.22012	0.071	0.192	3.62E-06	CSCL2	ZDHHC24
FAM129A.8	2.48E-10	-0.31268	0.04	0.144	3.70E-06	CSCL2	FAM129A
PSMB9.11	2.54E-10	-0.2404	0.247	0.411	3.80E-06	CSCL2	PSMB9
LSM10.2	2.55E-10	-0.34534	0.289	0.418	3.81E-06	CSCL2	LSM10
GART.6	2.55E-10	0.16766	0.313	0.195	3.82E-06	CSCL2	GART
C7orf26.9	2.58E-10	0.185612	0.265	0.153	3.86E-06	CSCL2	C7orf26
CPSF1.1	2.61E-10	0.17987	0.168	0.083	3.90E-06	CSCL2	CPSF1
IL6R.13	2.61E-10	-0.34688	0.004	0.089	3.91E-06	CSCL2	IL6R
ANKRD36.6	2.72E-10	0.202266	0.298	0.181	4.06E-06	CSCL2	ANKRD36

SAT2.7	2.72E-10	-0.38456	0.528	0.588	4.07E-06	CSCL2	SAT2
MAP1B.10	2.73E-10	0.137931	0.751	0.525	4.08E-06	CSCL2	MAP1B
FAM171B.9	2.74E-10	0.188707	0.201	0.107	4.09E-06	CSCL2	FAM171B
SFI1	2.75E-10	0.160432	0.121	0.053	4.11E-06	CSCL2	SFI1
PEPD.4	2.76E-10	-0.40943	0.318	0.433	4.12E-06	CSCL2	PEPD
DNAJC2.9	2.80E-10	0.209627	0.422	0.293	4.18E-06	CSCL2	DNAJC2
OST4.7	2.84E-10	-0.25009	0.762	0.781	4.25E-06	CSCL2	OST4
COX14.8	2.98E-10	-0.39404	0.347	0.464	4.46E-06	CSCL2	COX14
ABCF1.9	3.00E-10	0.234989	0.404	0.279	4.48E-06	CSCL2	ABCF1
SQLE.10	3.01E-10	0.288533	0.362	0.244	4.50E-06	CSCL2	SQLE
CCRL2.12	3.02E-10	-0.40496	0.007	0.092	4.51E-06	CSCL2	CCRL2
FNBP1L.12	3.11E-10	0.219664	0.298	0.18	4.65E-06	CSCL2	FNBP1L
LRRC57.2	3.13E-10	0.109056	0.135	0.061	4.68E-06	CSCL2	LRRC57
MRFAP1.1C	3.14E-10	0.13578	0.815	0.665	4.69E-06	CSCL2	MRFAP1
CCAR1.5	3.26E-10	0.175255	0.373	0.245	4.87E-06	CSCL2	CCAR1
SCML1.7	3.29E-10	0.162755	0.181	0.09	4.92E-06	CSCL2	SCML1
C6orf15.8	3.29E-10	0.42635	0.075	0.026	4.92E-06	CSCL2	C6orf15
APOE.11	3.30E-10	-0.28251	0.698	0.685	4.93E-06	CSCL2	APOE
SRSF12.1C	3.35E-10	0.16733	0.146	0.07	5.01E-06	CSCL2	SRSF12
TROVE2.1C	3.40E-10	0.199353	0.585	0.427	5.08E-06	CSCL2	TROVE2
LYL1.13	3.45E-10	-0.34406	0.002	0.084	5.15E-06	CSCL2	LYL1
TOMM40.1C	3.45E-10	0.236183	0.461	0.322	5.15E-06	CSCL2	TOMM40
MGST1.10	3.49E-10	-0.83127	0.046	0.149	5.21E-06	CSCL2	MGST1
ZNF219.3	3.50E-10	0.138008	0.137	0.063	5.24E-06	CSCL2	ZNF219
PSMG3.10	3.52E-10	0.164767	0.457	0.322	5.26E-06	CSCL2	PSMG3
ARHGEF39.	3.56E-10	0.116824	0.06	0.018	5.32E-06	CSCL2	ARHGEF39
WASF2.10	3.56E-10	-0.30142	0.313	0.443	5.32E-06	CSCL2	WASF2
CYFIP1.11	3.59E-10	-0.40926	0.163	0.288	5.37E-06	CSCL2	CYFIP1
HUNK	3.76E-10	0.12499	0.073	0.025	5.61E-06	CSCL2	HUNK
AKAP13.11	3.76E-10	-0.42188	0.21	0.33	5.62E-06	CSCL2	AKAP13
PSMA4.5	3.86E-10	0.193759	0.702	0.531	5.76E-06	CSCL2	PSMA4
RP11-1114	3.92E-10	0.157254	0.163	0.081	5.86E-06	CSCL2	RP11-1114A5.4
NR4A3.12	3.93E-10	-0.52781	0.053	0.155	5.88E-06	CSCL2	NR4A3
PRPF40A.8	3.95E-10	0.180458	0.609	0.444	5.91E-06	CSCL2	PRPF40A
EPB41L3.1	3.97E-10	-0.39727	0.018	0.109	5.94E-06	CSCL2	EPB41L3
SH3BP1.12	4.05E-10	-0.32878	0.022	0.115	6.05E-06	CSCL2	SH3BP1
STARD7.8	4.05E-10	0.193945	0.446	0.311	6.05E-06	CSCL2	STARD7
KDM6B.10	4.06E-10	-0.40719	0.108	0.227	6.07E-06	CSCL2	KDM6B
NFATC2IP.	4.06E-10	0.203756	0.265	0.158	6.07E-06	CSCL2	NFATC2IP
TGS1.5	4.14E-10	0.180379	0.263	0.156	6.18E-06	CSCL2	TGS1
CAT.10	4.17E-10	-0.45958	0.188	0.309	6.22E-06	CSCL2	CAT
LAMTOR4.5	4.20E-10	-0.26995	0.757	0.764	6.27E-06	CSCL2	LAMTOR4
AGAP3.7	4.23E-10	0.157038	0.185	0.096	6.32E-06	CSCL2	AGAP3
CTPS2.2	4.27E-10	0.123147	0.108	0.045	6.39E-06	CSCL2	CTPS2
EIF1.10	4.27E-10	-0.20944	0.969	0.974	6.39E-06	CSCL2	EIF1
KYNU.13	4.31E-10	-0.37325	0.004	0.087	6.44E-06	CSCL2	KYNU
RP11-698N	4.32E-10	0.171188	0.124	0.055	6.45E-06	CSCL2	RP11-698N11.2
CNOT7.9	4.37E-10	0.197011	0.506	0.363	6.54E-06	CSCL2	CNOT7
GEMIN2.6	4.43E-10	0.152693	0.199	0.107	6.62E-06	CSCL2	GEMIN2
ZNF677.8	4.45E-10	0.158445	0.311	0.193	6.64E-06	CSCL2	ZNF677
F2R.13	4.49E-10	0.233327	0.272	0.165	6.72E-06	CSCL2	F2R



ORC5. 7	4. 56E-10	0. 140463	0. 188	0. 096	6. 81E-06	CSCL2	ORC5
ARMC6. 7	4. 57E-10	0. 280759	0. 258	0. 157	6. 84E-06	CSCL2	ARMC6
ZNF638. 8	4. 63E-10	0. 14127	0. 377	0. 246	6. 91E-06	CSCL2	ZNF638
FOXRED1. 4	4. 70E-10	0. 229483	0. 192	0. 103	7. 02E-06	CSCL2	FOXRED1
VCPKMT. 2	4. 71E-10	0. 166836	0. 143	0. 067	7. 04E-06	CSCL2	VCPKMT
RRP7A. 8	4. 84E-10	0. 121184	0. 419	0. 282	7. 23E-06	CSCL2	RRP7A
LPCAT1. 6	4. 88E-10	0. 199834	0. 291	0. 177	7. 30E-06	CSCL2	LPCAT1
HSPH1. 8	5. 07E-10	0. 210843	0. 494	0. 355	7. 58E-06	CSCL2	HSPH1
APOBEC3G. 5	5. 22E-10	-0. 3659	0. 026	0. 122	7. 80E-06	CSCL2	APOBEC3G
SYS1. 5	5. 24E-10	-0. 3143	0. 119	0. 245	7. 82E-06	CSCL2	SYS1
LNP1. 4	5. 24E-10	0. 11092	0. 079	0. 028	7. 83E-06	CSCL2	LNP1
LCORL. 3	5. 24E-10	0. 192336	0. 181	0. 094	7. 84E-06	CSCL2	LCORL
SH2B2. 9	5. 30E-10	0. 176516	0. 196	0. 105	7. 92E-06	CSCL2	SH2B2
METTL2B. 5	5. 33E-10	0. 198922	0. 307	0. 194	7. 96E-06	CSCL2	METTL2B
PPIB. 7	5. 39E-10	-0. 29117	0. 691	0. 725	8. 06E-06	CSCL2	PPIB
TMEM134. 8	5. 45E-10	-0. 37022	0. 188	0. 314	8. 15E-06	CSCL2	TMEM134
ZNF775. 1C	5. 51E-10	0. 157083	0. 177	0. 091	8. 24E-06	CSCL2	ZNF775
EIF4EBP1. 5	5. 52E-10	0. 19591	0. 572	0. 421	8. 24E-06	CSCL2	EIF4EBP1
FZD3. 10	5. 54E-10	0. 259892	0. 406	0. 271	8. 28E-06	CSCL2	FZD3
NOP10. 11	5. 58E-10	-0. 31201	0. 572	0. 608	8. 34E-06	CSCL2	NOP10
ATP1A1. 6	5. 63E-10	-0. 30156	0. 366	0. 477	8. 42E-06	CSCL2	ATP1A1
STEAP3. 9	5. 66E-10	-0. 3999	0. 06	0. 166	8. 46E-06	CSCL2	STEAP3
ITGAX. 12	5. 69E-10	-0. 38315	0. 009	0. 094	8. 50E-06	CSCL2	ITGAX
C10orf11. 5	5. 70E-10	-0. 33913	0. 015	0. 104	8. 52E-06	CSCL2	C10orf11
ODF3B. 12	5. 82E-10	-0. 3221	0. 011	0. 097	8. 70E-06	CSCL2	ODF3B
CDK16. 7	5. 84E-10	0. 23021	0. 349	0. 23	8. 73E-06	CSCL2	CDK16
IL10RB. 13	5. 90E-10	-0. 44418	0. 128	0. 248	8. 82E-06	CSCL2	IL10RB
PRMT6. 5	6. 06E-10	0. 18293	0. 172	0. 089	9. 06E-06	CSCL2	PRMT6
TSHZ1. 7	6. 08E-10	0. 18375	0. 148	0. 071	9. 09E-06	CSCL2	TSHZ1
ATP5EP2. 9	6. 13E-10	-0. 54345	0. 34	0. 451	9. 17E-06	CSCL2	ATP5EP2
ATP6AP1. 9	6. 23E-10	-0. 30913	0. 4	0. 496	9. 31E-06	CSCL2	ATP6AP1
CA12. 12	6. 37E-10	-0. 17782	0. 038	0. 14	9. 51E-06	CSCL2	CA12
DDX39B. 2	6. 40E-10	0. 181551	0. 196	0. 106	9. 56E-06	CSCL2	DDX39B
MTRNR2L8. 6	6. 44E-10	-0. 68173	0. 084	0. 195	9. 63E-06	CSCL2	MTRNR2L8
RNF126. 9	6. 46E-10	0. 251728	0. 415	0. 286	9. 65E-06	CSCL2	RNF126
IL10. 13	6. 46E-10	-0. 50861	0. 02	0. 11	9. 66E-06	CSCL2	IL10
IRF2BPL. 1	6. 50E-10	0. 201211	0. 355	0. 237	9. 72E-06	CSCL2	IRF2BPL
FUNDC2. 5	6. 51E-10	0. 139576	0. 558	0. 396	9. 73E-06	CSCL2	FUNDC2
CYTL1. 12	6. 59E-10	-0. 48008	0. 022	0. 114	9. 85E-06	CSCL2	CYTL1
CNTRL. 9	6. 60E-10	0. 148105	0. 212	0. 115	9. 86E-06	CSCL2	CNTRL
RP11-111M	6. 61E-10	0. 208407	0. 177	0. 092	9. 88E-06	CSCL2	RP11-111M2. 3
TKT. 7	6. 85E-10	-0. 32756	0. 413	0. 512	1. 02E-05	CSCL2	TKT
PKM. 8	6. 90E-10	-0. 24651	0. 781	0. 77	1. 03E-05	CSCL2	PKM
DGCR8. 4	6. 98E-10	0. 167548	0. 159	0. 079	1. 04E-05	CSCL2	DGCR8
NNT. 5	7. 09E-10	0. 199666	0. 232	0. 133	1. 06E-05	CSCL2	NNT
ARHGAP9. 1	7. 55E-10	-0. 33599	0. 007	0. 089	1. 13E-05	CSCL2	ARHGAP9
MGP. 11	7. 57E-10	-0. 8194	0. 018	0. 107	1. 13E-05	CSCL2	MGP
EGR2. 9	7. 61E-10	-0. 42011	0. 084	0. 196	1. 14E-05	CSCL2	EGR2
NES. 13	7. 75E-10	0. 19493	0. 435	0. 269	1. 16E-05	CSCL2	NES
ZYX. 12	7. 75E-10	-0. 37055	0. 298	0. 406	1. 16E-05	CSCL2	ZYX
TRAF3IP2-	7. 83E-10	0. 173219	0. 155	0. 077	1. 17E-05	CSCL2	TRAF3IP2-AS1

CDC23.6	7.98E-10	0.229813	0.214	0.121	1.19E-05	CSCL2	CDC23
TRMU.5	8.00E-10	0.199981	0.225	0.128	1.19E-05	CSCL2	TRMU
NABP1.11	8.16E-10	-0.44079	0.033	0.128	1.22E-05	CSCL2	NABP1
DYNLL2.12	8.25E-10	0.210329	0.316	0.201	1.23E-05	CSCL2	DYNLL2
MED19.8	8.27E-10	0.24222	0.402	0.276	1.24E-05	CSCL2	MED19
SPAG16.11	8.31E-10	0.196319	0.426	0.291	1.24E-05	CSCL2	SPAG16
HCFC1.5	8.56E-10	0.195807	0.236	0.138	1.28E-05	CSCL2	HCFC1
SCMH1.6	8.82E-10	0.200288	0.152	0.076	1.32E-05	CSCL2	SCMH1
ACD.6	8.83E-10	0.152279	0.272	0.164	1.32E-05	CSCL2	ACD
PSMB7.6	9.04E-10	0.158016	0.786	0.634	1.35E-05	CSCL2	PSMB7
ICAM3.9	9.14E-10	-0.25768	0.015	0.104	1.37E-05	CSCL2	ICAM3
AFAP1L2.1	9.16E-10	0.101286	0.055	0.016	1.37E-05	CSCL2	AFAP1L2
CHERP.7	9.35E-10	0.184412	0.272	0.164	1.40E-05	CSCL2	CHERP
VAV1.13	9.39E-10	-0.31416	0	0.077	1.40E-05	CSCL2	VAV1
FH.7	9.47E-10	0.186818	0.342	0.221	1.41E-05	CSCL2	FH
RMND5B.6	9.63E-10	0.196298	0.265	0.16	1.44E-05	CSCL2	RMND5B
ANKRD36C.9	9.65E-10	0.266731	0.265	0.158	1.44E-05	CSCL2	ANKRD36C
HPGDS.12	9.75E-10	-0.40268	0.009	0.092	1.46E-05	CSCL2	HPGDS
CACNA2D4.9	9.85E-10	-0.34834	0	0.077	1.47E-05	CSCL2	CACNA2D4
SLC1A3.11	9.89E-10	-0.33599	0.38	0.481	1.48E-05	CSCL2	SLC1A3
RBM23.5	1.00E-09	0.123959	0.395	0.259	1.50E-05	CSCL2	RBM23
CCS.5	1.01E-09	-0.40597	0.141	0.265	1.51E-05	CSCL2	CCS
SRSF4.9	1.02E-09	0.215912	0.486	0.355	1.53E-05	CSCL2	SRSF4
COX4I1.7	1.04E-09	-0.21296	0.903	0.911	1.55E-05	CSCL2	COX4I1
DOCK2.13	1.04E-09	-0.34116	0.002	0.08	1.55E-05	CSCL2	DOCK2
MIR181A1HG.1	1.06E-09	0.153158	0.203	0.109	1.58E-05	CSCL2	MIR181A1HG
DENND2A.8	1.07E-09	0.185857	0.174	0.091	1.61E-05	CSCL2	DENND2A
HNMT.12	1.08E-09	-0.49167	0.11	0.223	1.61E-05	CSCL2	HNMT
ANAPC5.7	1.08E-09	0.127567	0.543	0.39	1.62E-05	CSCL2	ANAPC5
GHITM.9	1.13E-09	-0.38176	0.428	0.527	1.68E-05	CSCL2	GHITM
CEP63.6	1.14E-09	0.218341	0.28	0.174	1.71E-05	CSCL2	CEP63
RHOH.12	1.15E-09	-0.38471	0.002	0.08	1.72E-05	CSCL2	RHOH
ZNF566.8	1.15E-09	0.135847	0.205	0.111	1.72E-05	CSCL2	ZNF566
ISOC1.6	1.17E-09	0.190842	0.267	0.16	1.75E-05	CSCL2	ISOC1
PABPN1.8	1.18E-09	0.154218	0.499	0.349	1.76E-05	CSCL2	PABPN1
RAB18.3	1.18E-09	-0.32431	0.274	0.403	1.76E-05	CSCL2	RAB18
GNS.10	1.20E-09	-0.2994	0.088	0.204	1.79E-05	CSCL2	GNS
RPS6KL1.9	1.21E-09	0.162649	0.185	0.097	1.81E-05	CSCL2	RPS6KL1
UQCR11.8	1.21E-09	-0.90144	0.026	0.118	1.82E-05	CSCL2	UQCR11
RAB23.3	1.22E-09	0.165736	0.108	0.047	1.82E-05	CSCL2	RAB23
GNG2.8	1.23E-09	0.126239	0.294	0.175	1.84E-05	CSCL2	GNG2
ENHO.12	1.24E-09	0.16647	0.249	0.146	1.85E-05	CSCL2	ENHO
NINJ2.12	1.24E-09	-0.42683	0.009	0.09	1.85E-05	CSCL2	NINJ2
RELB.7	1.24E-09	-0.21838	0.013	0.099	1.86E-05	CSCL2	RELB
NRXN2.12	1.25E-09	0.146578	0.21	0.113	1.87E-05	CSCL2	NRXN2
PRKCD.11	1.29E-09	-0.30112	0.004	0.083	1.92E-05	CSCL2	PRKCD
PON2.11	1.29E-09	0.158563	0.596	0.445	1.93E-05	CSCL2	PON2
TMEM39B.3	1.30E-09	0.146935	0.221	0.124	1.94E-05	CSCL2	TMEM39B
DDIT4.12	1.31E-09	-0.39006	0.302	0.413	1.96E-05	CSCL2	DDIT4
CYB5R1.6	1.32E-09	-0.40092	0.141	0.263	1.97E-05	CSCL2	CYB5R1
SCLY	1.34E-09	0.110588	0.091	0.036	2.00E-05	CSCL2	SCLY

RAB34. 9	1. 34E-09	-0. 36355	0. 17	0. 288	2. 00E-05	CSCL2	RAB34
AP3B2. 2	1. 35E-09	0. 100028	0. 071	0. 024	2. 01E-05	CSCL2	AP3B2
CCM2. 5	1. 35E-09	0. 191057	0. 406	0. 279	2. 01E-05	CSCL2	CCM2
CNOT4. 8	1. 39E-09	0. 133318	0. 402	0. 267	2. 08E-05	CSCL2	CNOT4
EFR3A. 10	1. 40E-09	-0. 27945	0. 046	0. 146	2. 10E-05	CSCL2	EFR3A
NEUROD1. 7	1. 41E-09	0. 198945	0. 091	0. 036	2. 11E-05	CSCL2	NEUROD1
NUBP2. 8	1. 45E-09	0. 147067	0. 523	0. 376	2. 17E-05	CSCL2	NUBP2
FGR. 13	1. 51E-09	-0. 34676	0. 007	0. 086	2. 25E-05	CSCL2	FGR
MILR1. 12	1. 51E-09	-0. 38549	0. 015	0. 102	2. 25E-05	CSCL2	MILR1
BMP2K. 9	1. 54E-09	-0. 34108	0. 029	0. 12	2. 30E-05	CSCL2	BMP2K
MIR503HG	1. 58E-09	0. 126818	0. 068	0. 023	2. 36E-05	CSCL2	MIR503HG
UBTD2. 9	1. 59E-09	0. 186901	0. 188	0. 102	2. 38E-05	CSCL2	UBTD2
EPB41L2. 1	1. 59E-09	-0. 46857	0. 201	0. 315	2. 38E-05	CSCL2	EPB41L2
HNRNPC. 5	1. 62E-09	0. 136689	0. 823	0. 688	2. 42E-05	CSCL2	HNRNPC
FBL. 8	1. 63E-09	0. 173184	0. 521	0. 372	2. 44E-05	CSCL2	FBL
ATP6V1G1.	1. 67E-09	-0. 26913	0. 751	0. 754	2. 50E-05	CSCL2	ATP6V1G1
ARPP19. 8	1. 68E-09	0. 191926	0. 565	0. 42	2. 51E-05	CSCL2	ARPP19
OGFRL1. 11	1. 71E-09	-0. 41228	0. 079	0. 186	2. 55E-05	CSCL2	OGFRL1
MED27. 6	1. 72E-09	0. 256637	0. 245	0. 147	2. 57E-05	CSCL2	MED27
MAML2. 12	1. 73E-09	0. 159943	0. 307	0. 193	2. 58E-05	CSCL2	MAML2
SAMHD1. 11	1. 73E-09	-0. 41812	0. 108	0. 219	2. 59E-05	CSCL2	SAMHD1
MYH9. 12	1. 75E-09	-0. 38336	0. 084	0. 192	2. 61E-05	CSCL2	MYH9
CUL1. 5	1. 76E-09	0. 184246	0. 355	0. 23	2. 63E-05	CSCL2	CUL1
SP4. 2	1. 81E-09	0. 11324	0. 117	0. 051	2. 70E-05	CSCL2	SP4
H2AFJ. 13	1. 81E-09	-0. 35043	0. 139	0. 264	2. 70E-05	CSCL2	H2AFJ
STARD9. 1	1. 82E-09	0. 108499	0. 091	0. 036	2. 72E-05	CSCL2	STARD9
TM2D2. 3	1. 83E-09	-0. 43381	0. 221	0. 345	2. 74E-05	CSCL2	TM2D2
METTL21A.	1. 84E-09	0. 17622	0. 287	0. 179	2. 75E-05	CSCL2	METTL21A
CASC3. 8	1. 87E-09	0. 201041	0. 289	0. 181	2. 79E-05	CSCL2	CASC3
NEU1. 7	1. 87E-09	-0. 37411	0. 172	0. 297	2. 79E-05	CSCL2	NEU1
ITGAM. 13	1. 87E-09	-0. 29982	0. 002	0. 079	2. 80E-05	CSCL2	ITGAM
ANGPTL4. 8	2. 01E-09	-0. 42195	0. 018	0. 105	3. 00E-05	CSCL2	ANGPTL4
HSD17B11.	2. 02E-09	-0. 46868	0. 267	0. 381	3. 02E-05	CSCL2	HSD17B11
DRAM2. 11	2. 03E-09	-0. 49138	0. 23	0. 34	3. 03E-05	CSCL2	DRAM2
PPP1R18. 1	2. 04E-09	-0. 42208	0. 181	0. 297	3. 05E-05	CSCL2	PPP1R18
EED. 3	2. 05E-09	0. 139272	0. 179	0. 094	3. 06E-05	CSCL2	EED
PSMD6. 7	2. 05E-09	0. 154531	0. 49	0. 345	3. 07E-05	CSCL2	PSMD6
ABHD17B. 1	2. 06E-09	0. 150042	0. 219	0. 121	3. 07E-05	CSCL2	ABHD17B
PDE7B	2. 06E-09	0. 141375	0. 049	0. 014	3. 08E-05	CSCL2	PDE7B
CLN8. 9	2. 08E-09	-0. 49141	0. 161	0. 273	3. 11E-05	CSCL2	CLN8
SRSF6. 7	2. 18E-09	0. 208191	0. 479	0. 354	3. 25E-05	CSCL2	SRSF6
MMP14. 10	2. 18E-09	-0. 33794	0. 11	0. 226	3. 26E-05	CSCL2	MMP14
EI24. 10	2. 19E-09	0. 209764	0. 589	0. 427	3. 27E-05	CSCL2	EI24
TEX264. 5	2. 20E-09	-0. 40929	0. 278	0. 4	3. 29E-05	CSCL2	TEX264
PHC1. 6	2. 23E-09	0. 183331	0. 15	0. 075	3. 33E-05	CSCL2	PHC1
SUV39H2. 3	2. 29E-09	0. 209665	0. 126	0. 059	3. 43E-05	CSCL2	SUV39H2
SUCLG2. 9	2. 30E-09	-0. 33865	0. 13	0. 25	3. 43E-05	CSCL2	SUCLG2
CXXC5. 13	2. 33E-09	0. 224208	0. 534	0. 374	3. 49E-05	CSCL2	CXXC5
SLC39A4. 9	2. 35E-09	-0. 3047	0. 011	0. 093	3. 52E-05	CSCL2	SLC39A4
RP11-1094	2. 38E-09	0. 198228	0. 347	0. 23	3. 55E-05	CSCL2	RP11-1094M14. 11
SHC1. 7	2. 46E-09	-0. 25813	0. 038	0. 133	3. 68E-05	CSCL2	SHC1

HSPA13.11	2.49E-09	0.162777	0.309	0.195	3.72E-05	CSCL2	HSPA13
HOXC8.7	2.50E-09	0.117146	0.084	0.032	3.73E-05	CSCL2	HOXC8
UBN2.7	2.50E-09	0.143119	0.194	0.106	3.74E-05	CSCL2	UBN2
EIF5B.8	2.54E-09	0.100968	0.664	0.516	3.79E-05	CSCL2	EIF5B
DYNC1I1.1	2.62E-09	0.140413	0.194	0.101	3.92E-05	CSCL2	DYNC1I1
PALD1.12	2.63E-09	-0.38412	0.02	0.105	3.92E-05	CSCL2	PALD1
BDH2.6	2.66E-09	-0.33782	0.046	0.145	3.98E-05	CSCL2	BDH2
CERK.6	2.69E-09	0.146905	0.192	0.104	4.01E-05	CSCL2	CERK
CEP89.8	2.78E-09	0.263218	0.219	0.127	4.16E-05	CSCL2	CEP89
SMARCD3.1	2.81E-09	0.242329	0.338	0.227	4.19E-05	CSCL2	SMARCD3
SH3BGRL.9	2.82E-09	-0.3352	0.605	0.65	4.22E-05	CSCL2	SH3BGRL
GPR84.13	2.88E-09	-0.33774	0.002	0.076	4.30E-05	CSCL2	GPR84
RBM28.8	2.89E-09	0.15926	0.26	0.159	4.32E-05	CSCL2	RBM28
SMPD4.4	2.92E-09	0.181052	0.185	0.101	4.36E-05	CSCL2	SMPD4
PDE6D.9	2.92E-09	0.217123	0.294	0.185	4.36E-05	CSCL2	PDE6D
PDE7A.5	2.92E-09	0.123595	0.159	0.079	4.36E-05	CSCL2	PDE7A
AP5M1.3	2.92E-09	0.186703	0.252	0.152	4.37E-05	CSCL2	AP5M1
IGFBP4.6	2.95E-09	0.204782	0.132	0.063	4.41E-05	CSCL2	IGFBP4
PLXND1.9	3.03E-09	-0.32706	0.018	0.101	4.52E-05	CSCL2	PLXND1
NLGN4X.11	3.03E-09	0.241967	0.185	0.102	4.53E-05	CSCL2	NLGN4X
IRAK3.13	3.04E-09	-0.31655	0.002	0.076	4.54E-05	CSCL2	IRAK3
MOB4.8	3.08E-09	0.104958	0.521	0.366	4.60E-05	CSCL2	MOB4
GPRIN1.1	3.08E-09	0.159537	0.093	0.038	4.60E-05	CSCL2	GPRIN1
RABL6.8	3.08E-09	0.200145	0.355	0.242	4.60E-05	CSCL2	RABL6
KIAA0586.3	3.10E-09	0.189999	0.137	0.067	4.64E-05	CSCL2	KIAA0586
SSR3.11	3.13E-09	-0.38681	0.442	0.53	4.67E-05	CSCL2	SSR3
NSL1.7	3.26E-09	0.116832	0.481	0.341	4.87E-05	CSCL2	NSL1
ERI2.2	3.30E-09	0.136684	0.113	0.05	4.93E-05	CSCL2	ERI2
BZW2.8	3.36E-09	0.145485	0.404	0.265	5.02E-05	CSCL2	BZW2
SPRTN.6	3.37E-09	0.218	0.214	0.122	5.03E-05	CSCL2	SPRTN
BAIAP2.7	3.38E-09	-0.25139	0.088	0.202	5.05E-05	CSCL2	BAIAP2
CREB1.7	3.38E-09	0.197679	0.353	0.237	5.05E-05	CSCL2	CREB1
JOSD2.10	3.40E-09	-0.29468	0.212	0.34	5.08E-05	CSCL2	JOSD2
TMEM178A.3	3.41E-09	0.228554	0.203	0.115	5.10E-05	CSCL2	TMEM178A
LYRM7.8	3.41E-09	0.180995	0.311	0.197	5.10E-05	CSCL2	LYRM7
AASDH.6	3.43E-09	0.252712	0.258	0.16	5.12E-05	CSCL2	AASDH
NMRK1.9	3.47E-09	-0.39384	0.046	0.143	5.19E-05	CSCL2	NMRK1
PDCD5.10	3.55E-09	0.14257	0.7	0.533	5.31E-05	CSCL2	PDCD5
ST14.13	3.58E-09	-0.30249	0.002	0.076	5.35E-05	CSCL2	ST14
CREBL2.1C	3.62E-09	-0.36866	0.086	0.193	5.41E-05	CSCL2	CREBL2
TMEM60.7	3.77E-09	0.113217	0.369	0.242	5.63E-05	CSCL2	TMEM60
MAD2L1BP.3	3.77E-09	0.218578	0.256	0.156	5.63E-05	CSCL2	MAD2L1BP
LRRFIP1.1	3.87E-09	-0.42877	0.249	0.358	5.78E-05	CSCL2	LRRFIP1
ARHGEF2.1	3.88E-09	0.141256	0.422	0.283	5.79E-05	CSCL2	ARHGEF2
PAK4.7	3.90E-09	0.228333	0.199	0.112	5.82E-05	CSCL2	PAK4
PSMD2.8	3.93E-09	0.166397	0.6	0.456	5.87E-05	CSCL2	PSMD2
CHCHD7.11	3.97E-09	-0.39649	0.174	0.29	5.93E-05	CSCL2	CHCHD7
ZNF736.2	4.00E-09	0.133602	0.104	0.045	5.98E-05	CSCL2	ZNF736
GBP1.8	4.18E-09	-0.30362	0.055	0.158	6.25E-05	CSCL2	GBP1
TCEA2.12	4.26E-09	0.188574	0.53	0.362	6.37E-05	CSCL2	TCEA2
AADAT.7	4.29E-09	0.157539	0.11	0.049	6.41E-05	CSCL2	AADAT

RBAK-RBAK	4. 37E-09	0. 14131	0. 183	0. 098	6. 53E-05	CSCL2	RBAK-RBAKDN
APITD1.	7 4. 43E-09	0. 188825	0. 152	0. 079	6. 62E-05	CSCL2	APITD1
SAFB.	8 4. 43E-09	0. 20616	0. 408	0. 284	6. 62E-05	CSCL2	SAFB
SERINC3.	6 4. 45E-09	-0. 31616	0. 256	0. 369	6. 65E-05	CSCL2	SERINC3
UNC5B.	10 4. 49E-09	-0. 29225	0. 009	0. 087	6. 71E-05	CSCL2	UNC5B
S100A16.	1 4. 69E-09	-0. 30927	0. 181	0. 312	7. 01E-05	CSCL2	S100A16
DHRXS.	6 4. 71E-09	0. 216045	0. 342	0. 228	7. 03E-05	CSCL2	DHRXS
NDUFB6.	6 4. 75E-09	0. 165395	0. 649	0. 491	7. 10E-05	CSCL2	NDUFB6
KIAA1328	4. 78E-09	0. 106105	0. 13	0. 061	7. 14E-05	CSCL2	KIAA1328
PPP2R3B.	4 4. 80E-09	0. 173578	0. 132	0. 065	7. 17E-05	CSCL2	PPP2R3B
PSEN2.	6 4. 83E-09	-0. 22602	0. 026	0. 115	7. 22E-05	CSCL2	PSEN2
ATP5G2.	6 4. 83E-09	-0. 21906	0. 861	0. 87	7. 22E-05	CSCL2	ATP5G2
RNF5.	6 4. 95E-09	0. 15103	0. 532	0. 385	7. 40E-05	CSCL2	RNF5
CDKN1A.	1C 5. 05E-09	-0. 34388	0. 199	0. 312	7. 55E-05	CSCL2	CDKN1A
EPM2AIP1.	5. 05E-09	0. 17041	0. 307	0. 194	7. 55E-05	CSCL2	EPM2AIP1
HES4.	10 5. 09E-09	0. 292853	0. 287	0. 183	7. 61E-05	CSCL2	HES4
DERA.	7 5. 10E-09	0. 156384	0. 362	0. 247	7. 62E-05	CSCL2	DERA
SCIMP.	13 5. 26E-09	-0. 34055	0. 009	0. 086	7. 86E-05	CSCL2	SCIMP
YPEL1.	11 5. 40E-09	0. 155704	0. 17	0. 09	8. 07E-05	CSCL2	YPEL1
GAP43.	12 5. 42E-09	-0. 59166	0. 428	0. 468	8. 10E-05	CSCL2	GAP43
FGF1.	10 5. 45E-09	-0. 26984	0. 015	0. 097	8. 14E-05	CSCL2	FGF1
TTC9B.	12 5. 47E-09	0. 226705	0. 21	0. 117	8. 18E-05	CSCL2	TTC9B
PTK2B.	9 5. 48E-09	-0. 3165	0. 038	0. 131	8. 18E-05	CSCL2	PTK2B
GNPDA2.	7 5. 49E-09	0. 121056	0. 212	0. 121	8. 20E-05	CSCL2	GNPDA2
MED21.	6 5. 65E-09	0. 20859	0. 316	0. 206	8. 45E-05	CSCL2	MED21
BTK.	13 5. 75E-09	-0. 32533	0. 011	0. 089	8. 60E-05	CSCL2	BTK
ZBTB2.	5 5. 75E-09	0. 131205	0. 141	0. 069	8. 60E-05	CSCL2	ZBTB2
TMEM116.	4 5. 80E-09	0. 128052	0. 128	0. 06	8. 67E-05	CSCL2	TMEM116
THY1.	11 5. 84E-09	0. 142805	0. 373	0. 251	8. 73E-05	CSCL2	THY1
MKRN3.	7 5. 86E-09	0. 115524	0. 099	0. 042	8. 76E-05	CSCL2	MKRN3
BLNK.	11 5. 97E-09	-0. 34882	0	0. 07	8. 92E-05	CSCL2	BLNK
SNRNP27.	7 5. 99E-09	0. 149942	0. 477	0. 347	8. 96E-05	CSCL2	SNRNP27
UBL5.	7 6. 01E-09	-0. 21201	0. 826	0. 831	8. 99E-05	CSCL2	UBL5
CD48.	13 6. 05E-09	-0. 3742	0. 007	0. 081	9. 04E-05	CSCL2	CD48
NUDT22.	8 6. 23E-09	-0. 3456	0. 157	0. 274	9. 31E-05	CSCL2	NUDT22
CNIH2.	12 6. 29E-09	0. 252895	0. 212	0. 127	9. 40E-05	CSCL2	CNIH2
NSUN6.	4 6. 33E-09	0. 128942	0. 146	0. 072	9. 46E-05	CSCL2	NSUN6
PPP2R3C.	3 6. 45E-09	0. 194865	0. 424	0. 301	9. 64E-05	CSCL2	PPP2R3C
PLEKH02.	1 6. 47E-09	-0. 30456	0. 022	0. 105	9. 66E-05	CSCL2	PLEKH02
MYL6.	9 6. 56E-09	-0. 19457	0. 943	0. 942	9. 81E-05	CSCL2	MYL6
TMED3.	9 6. 60E-09	-0. 33934	0. 194	0. 313	9. 87E-05	CSCL2	TMED3
SERTAD2.	5 6. 61E-09	0. 151728	0. 208	0. 117	9. 88E-05	CSCL2	SERTAD2
PPIL1.	8 6. 70E-09	0. 20047	0. 296	0. 19	0. 0001	CSCL2	PPIL1
DCLK2.	12 6. 78E-09	0. 203454	0. 298	0. 192	0. 000101	CSCL2	DCLK2
HOPX.	12 6. 82E-09	-0. 39946	0. 163	0. 287	0. 000102	CSCL2	HOPX
TNFAIP2.	1 6. 83E-09	-0. 28086	0. 004	0. 078	0. 000102	CSCL2	TNFAIP2
PPP2R5D.	3 6. 90E-09	0. 135634	0. 143	0. 071	0. 000103	CSCL2	PPP2R5D
GYG1.	8 6. 97E-09	-0. 32913	0. 141	0. 259	0. 000104	CSCL2	GYG1
LRRN3.	10 7. 19E-09	0. 188869	0. 199	0. 11	0. 000107	CSCL2	LRRN3
CD93.	13 7. 24E-09	-0. 30172	0. 002	0. 073	0. 000108	CSCL2	CD93
STARD3NL.	7. 56E-09	0. 200997	0. 53	0. 392	0. 000113	CSCL2	STARD3NL

SRM.11	7.58E-09	0.220207	0.501	0.359	0.000113	CSCL2	SRM
ATAT1.12	7.60E-09	0.153217	0.417	0.283	0.000114	CSCL2	ATAT1
ARHGEF26.	7.64E-09	0.239179	0.208	0.122	0.000114	CSCL2	ARHGEF26
FGD4.12	7.74E-09	-0.39658	0.055	0.15	0.000116	CSCL2	FGD4
ADAM9.10	7.77E-09	-0.32023	0.221	0.334	0.000116	CSCL2	ADAM9
RB1.12	7.78E-09	-0.45244	0.201	0.309	0.000116	CSCL2	RB1
PITHD1.8	8.03E-09	0.296852	0.464	0.341	0.00012	CSCL2	PITHD1
DHRS4L2.6	8.17E-09	-0.26743	0.143	0.267	0.000122	CSCL2	DHRS4L2
GPAA1.6	8.18E-09	0.185655	0.528	0.388	0.000122	CSCL2	GPAA1
CREBZF.8	8.29E-09	0.173836	0.219	0.128	0.000124	CSCL2	CREBZF
XRCC6.3	8.33E-09	0.150681	0.682	0.552	0.000124	CSCL2	XRCC6
MUM1.11	8.39E-09	0.181073	0.494	0.359	0.000125	CSCL2	MUM1
STX7.10	8.47E-09	-0.39044	0.157	0.272	0.000127	CSCL2	STX7
INIP.6	8.60E-09	0.159724	0.3	0.193	0.000129	CSCL2	INIP
ABRACL.9	8.63E-09	-0.35814	0.194	0.309	0.000129	CSCL2	ABRACL
MPG.6	8.64E-09	-0.30929	0.227	0.35	0.000129	CSCL2	MPG
POLDIP3.6	8.75E-09	0.161122	0.285	0.182	0.000131	CSCL2	POLDIP3
PCBP2.6	8.83E-09	0.155712	0.801	0.657	0.000132	CSCL2	PCBP2
ADORA1.9	8.92E-09	-0.25245	0.035	0.125	0.000133	CSCL2	ADORA1
FNBP1.8	8.93E-09	-0.36025	0.152	0.267	0.000133	CSCL2	FNBP1
C1QL1.11	8.96E-09	0.263647	0.194	0.111	0.000134	CSCL2	C1QL1
PRKAR1B.8	9.07E-09	0.148085	0.216	0.124	0.000136	CSCL2	PRKAR1B
MX1.8	9.10E-09	-0.38968	0.035	0.123	0.000136	CSCL2	MX1
PCP4.9	9.15E-09	0.166039	0.091	0.037	0.000137	CSCL2	PCP4
GIMAP1.12	9.21E-09	-0.31585	0.004	0.076	0.000138	CSCL2	GIMAP1
AP1B1.11	9.26E-09	-0.46719	0.159	0.263	0.000138	CSCL2	AP1B1
TMEM109.1	9.45E-09	-0.44352	0.106	0.209	0.000141	CSCL2	TMEM109
DPYSL5.11	9.64E-09	0.179019	0.258	0.159	0.000144	CSCL2	DPYSL5
EIF5AL1.5	9.76E-09	0.142339	0.208	0.117	0.000146	CSCL2	EIF5AL1
DUSP1.10	9.81E-09	-0.3165	0.556	0.575	0.000147	CSCL2	DUSP1
RMND5A.6	1.01E-08	0.119535	0.212	0.119	0.000151	CSCL2	RMND5A
SEC61B.4	1.02E-08	-0.21443	0.726	0.737	0.000153	CSCL2	SEC61B
TMEM59.6	1.03E-08	-0.21444	0.779	0.786	0.000153	CSCL2	TMEM59
POMGNT2.1	1.04E-08	0.193613	0.227	0.137	0.000156	CSCL2	POMGNT2
ITGA5.9	1.06E-08	-0.27394	0.011	0.087	0.000158	CSCL2	ITGA5
BTN3A2.5	1.07E-08	-0.35642	0.055	0.151	0.00016	CSCL2	BTN3A2
ERICH1.8	1.08E-08	-0.38746	0.161	0.277	0.000161	CSCL2	ERICH1
METTL17.2	1.08E-08	0.139322	0.203	0.114	0.000162	CSCL2	METTL17
ENC1.12	1.09E-08	0.181463	0.34	0.22	0.000162	CSCL2	ENC1
NR2F1.9	1.10E-08	0.207405	0.258	0.162	0.000164	CSCL2	NR2F1
ZNF827.1C	1.12E-08	0.193613	0.194	0.111	0.000167	CSCL2	ZNF827
NCKAP1.1C	1.13E-08	0.234034	0.285	0.184	0.000168	CSCL2	NCKAP1
AREG.13	1.13E-08	-0.45748	0	0.067	0.000169	CSCL2	AREG
FAM133B.5	1.13E-08	0.122001	0.607	0.465	0.00017	CSCL2	FAM133B
SLC15A3.1	1.15E-08	-0.27451	0.002	0.071	0.000172	CSCL2	SLC15A3
CXorf21.1	1.16E-08	-0.34959	0.007	0.079	0.000173	CSCL2	CXorf21
ARHGAP15.	1.16E-08	-0.38241	0.02	0.1	0.000174	CSCL2	ARHGAP15
POLR2C.9	1.16E-08	0.149649	0.477	0.345	0.000174	CSCL2	POLR2C
YEATS2.1	1.18E-08	0.146361	0.132	0.065	0.000176	CSCL2	YEATS2
SOBP.10	1.18E-08	0.175931	0.221	0.131	0.000177	CSCL2	SOBP
ZNF281.7	1.20E-08	0.171031	0.287	0.181	0.000179	CSCL2	ZNF281

BNIP3L.6	1.20E-08	-0.32613	0.539	0.601	0.00018	CSCL2	BNIP3L
RNF180.12	1.21E-08	0.215467	0.26	0.164	0.00018	CSCL2	RNF180
FAM155A.3	1.26E-08	0.103232	0.073	0.027	0.000188	CSCL2	FAM155A
HSPA5.6	1.26E-08	-0.27723	0.607	0.659	0.000189	CSCL2	HSPA5
BUD13	1.27E-08	0.243958	0.152	0.08	0.00019	CSCL2	BUD13
SOWAHC.6	1.27E-08	0.13816	0.132	0.065	0.00019	CSCL2	SOWAHC
PAIP1.12	1.29E-08	0.195652	0.53	0.39	0.000192	CSCL2	PAIP1
RASGRP3.1	1.30E-08	-0.32008	0.002	0.071	0.000195	CSCL2	RASGRP3
EDEM2.7	1.31E-08	-0.28517	0.13	0.245	0.000196	CSCL2	EDEM2
ZNF136.8	1.35E-08	0.182091	0.174	0.094	0.000202	CSCL2	ZNF136
ELOVL5.6	1.36E-08	0.132393	0.446	0.319	0.000203	CSCL2	ELOVL5
SH3BP2.11	1.39E-08	-0.29571	0.049	0.142	0.000208	CSCL2	SH3BP2
DCTPP1.6	1.39E-08	0.167143	0.444	0.326	0.000208	CSCL2	DCTPP1
ZNF569.6	1.40E-08	0.167502	0.135	0.066	0.000209	CSCL2	ZNF569
PPP1R35.1	1.41E-08	0.182429	0.247	0.154	0.000211	CSCL2	PPP1R35
CD300C.13	1.42E-08	-0.30835	0.002	0.07	0.000212	CSCL2	CD300C
ZNF789.5	1.42E-08	0.116779	0.15	0.077	0.000213	CSCL2	ZNF789
ARRDC1.12	1.44E-08	-0.30628	0.046	0.138	0.000215	CSCL2	ARRDC1
CMSS1.9	1.44E-08	0.183579	0.404	0.285	0.000215	CSCL2	CMSS1
FHOD3.2	1.46E-08	0.127315	0.084	0.034	0.000218	CSCL2	FHOD3
RNF4.2	1.46E-08	0.200144	0.272	0.174	0.000219	CSCL2	RNF4
KIF2A.12	1.47E-08	0.204544	0.342	0.231	0.00022	CSCL2	KIF2A
COMT.9	1.48E-08	-0.32922	0.497	0.549	0.000221	CSCL2	COMT
NUP37.6	1.49E-08	0.172518	0.216	0.127	0.000223	CSCL2	NUP37
EMB.13	1.49E-08	-0.32548	0.007	0.078	0.000223	CSCL2	EMB
STX3.5	1.50E-08	-0.24599	0.007	0.078	0.000224	CSCL2	STX3
ST8SIA5.7	1.51E-08	0.17163	0.095	0.04	0.000226	CSCL2	ST8SIA5
SAP30.8	1.54E-08	0.231741	0.349	0.236	0.00023	CSCL2	SAP30
DOLPP1.7	1.54E-08	0.194017	0.179	0.098	0.00023	CSCL2	DOLPP1
ZKSCAN5.7	1.55E-08	0.104217	0.13	0.063	0.000231	CSCL2	ZKSCAN5
ACOT9.10	1.59E-08	-0.35093	0.084	0.186	0.000237	CSCL2	ACOT9
TMEM42.6	1.60E-08	-0.2313	0.064	0.165	0.000239	CSCL2	TMEM42
NEDD4L.8	1.62E-08	0.100823	0.199	0.109	0.000242	CSCL2	NEDD4L
INPP5D.13	1.62E-08	-0.37226	0.013	0.088	0.000243	CSCL2	INPP5D
IL1RN.11	1.63E-08	-0.34278	0.007	0.078	0.000243	CSCL2	IL1RN
MXRA7.10	1.63E-08	-0.25596	0.071	0.171	0.000243	CSCL2	MXRA7
MED25.4	1.67E-08	0.260065	0.203	0.12	0.000249	CSCL2	MED25
SASH3.13	1.68E-08	-0.32262	0.009	0.081	0.00025	CSCL2	SASH3
CECR1.11	1.70E-08	-0.30878	0.004	0.074	0.000253	CSCL2	CECR1
EVI5.6	1.70E-08	-0.2662	0.084	0.188	0.000254	CSCL2	EVI5
CASD1.8	1.71E-08	0.146502	0.146	0.074	0.000256	CSCL2	CASD1
LEPROT.3	1.71E-08	-0.28827	0.278	0.395	0.000256	CSCL2	LEPROT
POMP.7	1.72E-08	-0.18456	0.737	0.735	0.000256	CSCL2	POMP
ZNF431.2	1.75E-08	0.105638	0.157	0.081	0.000261	CSCL2	ZNF431
QSER1.9	1.75E-08	0.160688	0.199	0.115	0.000261	CSCL2	QSER1
ANXA5.7	1.78E-08	-0.21145	0.711	0.727	0.000266	CSCL2	ANXA5
BRD9.5	1.79E-08	0.196657	0.291	0.19	0.000268	CSCL2	BRD9
RILP.11	1.79E-08	-0.2396	0.024	0.106	0.000268	CSCL2	RILP
PPP4R1.4	1.85E-08	0.145792	0.192	0.109	0.000276	CSCL2	PPP4R1
BANF1.4	1.86E-08	0.119594	0.799	0.656	0.000277	CSCL2	BANF1
FNDC3B.8	1.86E-08	-0.26956	0.077	0.177	0.000278	CSCL2	FNDC3B

COMMD9.7	1.86E-08	-0.34616	0.194	0.314	0.000279	CSCL2	COMMD9
TPT1.10	1.88E-08	-0.22578	0.936	0.954	0.000282	CSCL2	TPT1
BCL7C.8	1.89E-08	0.310034	0.355	0.251	0.000282	CSCL2	BCL7C
SIGLEC7.1	1.92E-08	-0.31599	0.007	0.077	0.000287	CSCL2	SIGLEC7
MPST.8	1.95E-08	0.195643	0.424	0.301	0.000291	CSCL2	MPST
PPP1R14C.	2.01E-08	0.268103	0.119	0.058	0.0003	CSCL2	PPP1R14C
SPATA20.7	2.02E-08	-0.28724	0.044	0.134	0.000302	CSCL2	SPATA20
LHX2.11	2.06E-08	0.17204	0.216	0.126	0.000308	CSCL2	LHX2
CD40.13	2.07E-08	-0.25919	0.002	0.07	0.000309	CSCL2	CD40
KLHL13.12	2.07E-08	0.215181	0.172	0.096	0.000309	CSCL2	KLHL13
SLC25A25.	2.08E-08	0.219694	0.258	0.162	0.000311	CSCL2	SLC25A25
PTPN1.10	2.09E-08	-0.31587	0.128	0.236	0.000313	CSCL2	PTPN1
TAGLN.7	2.09E-08	-0.49442	0.004	0.073	0.000313	CSCL2	TAGLN
TARDBP.6	2.10E-08	0.159994	0.411	0.29	0.000313	CSCL2	TARDBP
MAT2A.7	2.13E-08	0.137789	0.519	0.378	0.000318	CSCL2	MAT2A
C19orf68.	2.17E-08	0.10314	0.091	0.038	0.000324	CSCL2	C19orf68
HRH1.11	2.17E-08	-0.2258	0.02	0.099	0.000324	CSCL2	HRH1
CCHCR1.4	2.18E-08	0.186023	0.141	0.073	0.000326	CSCL2	CCHCR1
EPHA4.10	2.18E-08	0.165385	0.15	0.079	0.000326	CSCL2	EPHA4
TULP3.8	2.21E-08	0.194399	0.208	0.122	0.00033	CSCL2	TULP3
MR1.10	2.23E-08	-0.28262	0.015	0.092	0.000333	CSCL2	MR1
TAF9B.9	2.24E-08	0.264002	0.227	0.141	0.000334	CSCL2	TAF9B
PNMA1.12	2.24E-08	0.192478	0.397	0.279	0.000335	CSCL2	PNMA1
HMG3.8	2.27E-08	0.142127	0.753	0.603	0.00034	CSCL2	HMG3
NUP54.7	2.27E-08	0.163248	0.276	0.174	0.00034	CSCL2	NUP54
ALMS1	2.31E-08	0.122598	0.099	0.044	0.000345	CSCL2	ALMS1
VCAN.8	2.32E-08	0.155099	0.362	0.241	0.000346	CSCL2	VCAN
NAAA.12	2.32E-08	-0.28824	0.046	0.137	0.000347	CSCL2	NAAA
NABP2.8	2.37E-08	0.191235	0.382	0.272	0.000354	CSCL2	NABP2
RTN4.11	2.38E-08	0.144426	0.823	0.695	0.000355	CSCL2	RTN4
U2SURP.6	2.39E-08	0.159503	0.494	0.364	0.000356	CSCL2	U2SURP
COL6A2.12	2.40E-08	-0.34066	0.071	0.166	0.000359	CSCL2	COL6A2
NDUFB11.5	2.48E-08	0.111095	0.839	0.731	0.000371	CSCL2	NDUFB11
SCAF4.4	2.51E-08	0.154202	0.23	0.137	0.000375	CSCL2	SCAF4
MORC4.4	2.56E-08	0.267869	0.119	0.058	0.000383	CSCL2	MORC4
USMG5.9	2.57E-08	-0.25585	0.578	0.622	0.000385	CSCL2	USMG5
CBX4.11	2.61E-08	0.116661	0.199	0.112	0.00039	CSCL2	CBX4
GOLIM4.9	2.61E-08	0.201151	0.444	0.322	0.00039	CSCL2	GOLIM4
GLOD4.6	2.63E-08	0.103739	0.523	0.384	0.000394	CSCL2	GLOD4
OSGEPL1.5	2.68E-08	0.126495	0.132	0.066	0.0004	CSCL2	OSGEPL1
EHD2.10	2.70E-08	-0.15428	0.011	0.084	0.000403	CSCL2	EHD2
HIST1H1E.	2.70E-08	0.101349	0.086	0.036	0.000404	CSCL2	HIST1H1E
C21orf62.	2.71E-08	-0.30999	0.066	0.161	0.000405	CSCL2	C21orf62
NUPL2.8	2.79E-08	0.15567	0.386	0.264	0.000418	CSCL2	NUPL2
YTHDC1.8	2.80E-08	0.21687	0.413	0.298	0.000418	CSCL2	YTHDC1
ATP6V1B2.	2.84E-08	-0.37626	0.325	0.412	0.000424	CSCL2	ATP6V1B2
TMEM169.8	2.84E-08	0.151111	0.117	0.056	0.000425	CSCL2	TMEM169
CHD3.8	2.85E-08	0.161606	0.199	0.112	0.000425	CSCL2	CHD3
ITGA3.10	2.87E-08	-0.19925	0.022	0.102	0.000429	CSCL2	ITGA3
DDX20.3	2.90E-08	0.177246	0.139	0.07	0.000433	CSCL2	DDX20
C5orf30.8	2.94E-08	0.135036	0.143	0.073	0.000439	CSCL2	C5orf30



OSCAR.13	3.08E-08	-0.27863	0.007	0.075	0.00046	CSCL2	OSCAR
SLC29A4.8	3.11E-08	0.122024	0.152	0.08	0.000465	CSCL2	SLC29A4
DPYD.11	3.12E-08	-0.29995	0.024	0.104	0.000466	CSCL2	DPYD
ZFR.9	3.15E-08	0.270982	0.415	0.301	0.000471	CSCL2	ZFR
CAMKMT.7	3.16E-08	0.16586	0.141	0.072	0.000473	CSCL2	CAMKMT
SH3TC1.12	3.24E-08	-0.29904	0.011	0.083	0.000485	CSCL2	SH3TC1
PDE9A.7	3.27E-08	0.102425	0.137	0.068	0.000488	CSCL2	PDE9A
RAD9A.2	3.28E-08	0.115798	0.221	0.132	0.00049	CSCL2	RAD9A
UBTD1.7	3.30E-08	-0.12865	0.031	0.115	0.000493	CSCL2	UBTD1
TRIM26.2	3.30E-08	0.130953	0.174	0.094	0.000493	CSCL2	TRIM26
TRAM1.10	3.30E-08	-0.34776	0.34	0.437	0.000494	CSCL2	TRAM1
SLC16A1-A	3.34E-08	0.223341	0.099	0.044	0.000498	CSCL2	SLC16A1-AS1
PMP2.12	3.34E-08	0.146603	0.497	0.344	0.000499	CSCL2	PMP2
ARRDC2.1C	3.39E-08	-0.31194	0.015	0.089	0.000506	CSCL2	ARRDC2
PPHLN1.7	3.45E-08	0.145678	0.49	0.361	0.000516	CSCL2	PPHLN1
PNPT1.7	3.47E-08	0.125165	0.3	0.193	0.000518	CSCL2	PNPT1
RP11-448A	3.51E-08	0.156943	0.163	0.089	0.000524	CSCL2	RP11-448A19.1
NAV1.9	3.51E-08	0.196952	0.252	0.159	0.000524	CSCL2	NAV1
MORF4L2.8	3.52E-08	0.199625	0.781	0.619	0.000526	CSCL2	MORF4L2
METAP1D.9	3.55E-08	0.143347	0.208	0.121	0.000531	CSCL2	METAP1D
AVPI1.8	3.58E-08	-0.3139	0.02	0.097	0.000535	CSCL2	AVPI1
NUP188.3	3.58E-08	0.170578	0.15	0.079	0.000535	CSCL2	NUP188
SYT1.12	3.62E-08	0.100697	0.183	0.096	0.000542	CSCL2	SYT1
MPP1.13	3.64E-08	-0.44088	0.108	0.204	0.000544	CSCL2	MPP1
PTRF.13	3.64E-08	-0.20443	0.086	0.189	0.000545	CSCL2	PTRF
ZNF667-AS	3.67E-08	0.14033	0.53	0.382	0.000549	CSCL2	ZNF667-AS1
GABPB1.6	3.70E-08	0.141358	0.185	0.104	0.000553	CSCL2	GABPB1
FAM76B.4	3.78E-08	0.16915	0.19	0.109	0.000565	CSCL2	FAM76B
SNN.12	3.79E-08	0.14809	0.338	0.221	0.000566	CSCL2	SNN
SWAP70.11	3.90E-08	-0.32179	0.121	0.226	0.000583	CSCL2	SWAP70
VCAM1.9	3.92E-08	-0.32588	0.007	0.075	0.000586	CSCL2	VCAM1
CHMP2A.6	3.98E-08	-0.28458	0.631	0.656	0.000595	CSCL2	CHMP2A
OTUD1.10	3.99E-08	-0.35409	0.024	0.101	0.000597	CSCL2	OTUD1
NUP133.2	4.01E-08	0.205329	0.166	0.091	0.000599	CSCL2	NUP133
NVL.7	4.04E-08	0.216386	0.185	0.105	0.000604	CSCL2	NVL
FGD5-AS1.	4.05E-08	0.212398	0.422	0.308	0.000605	CSCL2	FGD5-AS1
SCNN1A.5	4.05E-08	0.169777	0.108	0.049	0.000606	CSCL2	SCNN1A
TNPO2.9	4.06E-08	0.181137	0.272	0.176	0.000607	CSCL2	TNPO2
DNP1.7	4.12E-08	-0.26587	0.267	0.381	0.000616	CSCL2	DNP1
SH2B3.11	4.17E-08	-0.30169	0.031	0.112	0.000623	CSCL2	SH2B3
ZNF230.1	4.20E-08	0.159918	0.106	0.049	0.000628	CSCL2	ZNF230
RP11-127E	4.22E-08	0.106914	0.102	0.045	0.00063	CSCL2	RP11-127B20.3
EIF1AX.8	4.24E-08	0.141932	0.702	0.554	0.000633	CSCL2	EIF1AX
COPS7B.7	4.31E-08	0.140064	0.294	0.193	0.000644	CSCL2	COPS7B
VMP1.6	4.31E-08	-0.30716	0.393	0.475	0.000645	CSCL2	VMP1
RP11-536C	4.36E-08	0.118507	0.038	0.01	0.000651	CSCL2	RP11-536018.1
EPHB1.7	4.37E-08	0.109759	0.099	0.044	0.000653	CSCL2	EPHB1
USP5.6	4.37E-08	0.196994	0.325	0.22	0.000653	CSCL2	USP5
VEGFA.9	4.46E-08	-0.3355	0.115	0.22	0.000667	CSCL2	VEGFA
ARSJ.11	4.49E-08	-0.18212	0.042	0.128	0.000671	CSCL2	ARSJ
KIAA1586.	4.50E-08	0.163555	0.194	0.112	0.000673	CSCL2	KIAA1586

THAP7.5	4.51E-08	0.194058	0.305	0.206	0.000674	CSCL2	THAP7
RP11-395G	4.64E-08	-0.25857	0.082	0.181	0.000694	CSCL2	RP11-395G23.3
UQCRFS1.8	4.68E-08	0.257013	0.702	0.538	0.000699	CSCL2	UQCRFS1
TMED9.5	4.72E-08	-0.2175	0.682	0.689	0.000705	CSCL2	TMED9
METTL7B.9	4.79E-08	-0.26316	0.104	0.216	0.000716	CSCL2	METTL7B
SYPL1.6	4.81E-08	-0.4064	0.309	0.41	0.000719	CSCL2	SYPL1
KRT10.9	4.86E-08	0.172809	0.715	0.552	0.000726	CSCL2	KRT10
IL4R.12	4.86E-08	-0.28562	0.007	0.073	0.000726	CSCL2	IL4R
ABL2.11	4.86E-08	-0.44871	0.17	0.272	0.000727	CSCL2	ABL2
PHAX.9	4.87E-08	0.188367	0.419	0.301	0.000727	CSCL2	PHAX
SLAMF8.13	4.90E-08	-0.27114	0.002	0.066	0.000732	CSCL2	SLAMF8
CTD-2336C	4.99E-08	-0.27973	0.119	0.228	0.000745	CSCL2	CTD-233602.1
ATP6VOE2-	5.05E-08	0.141569	0.077	0.031	0.000755	CSCL2	ATP6VOE2-AS1
MXD4.6	5.07E-08	-0.27931	0.091	0.192	0.000758	CSCL2	MXD4
NSUN5.4	5.13E-08	0.128166	0.329	0.219	0.000767	CSCL2	NSUN5
U2AF2.6	5.18E-08	0.17025	0.362	0.253	0.000774	CSCL2	U2AF2
TAF7.11	5.18E-08	0.156406	0.711	0.547	0.000775	CSCL2	TAF7
SFXN3.5	5.21E-08	-0.25649	0.033	0.115	0.000778	CSCL2	SFXN3
NLRP3.12	5.21E-08	-0.3621	0.018	0.09	0.000779	CSCL2	NLRP3
USP39.6	5.27E-08	0.146277	0.28	0.181	0.000787	CSCL2	USP39
C2orf68.3	5.28E-08	0.147537	0.225	0.136	0.000789	CSCL2	C2orf68
RTF1.11	5.33E-08	0.169707	0.558	0.425	0.000797	CSCL2	RTF1
JDP2.12	5.35E-08	-0.29896	0.007	0.073	0.000799	CSCL2	JDP2
PPP2CA.7	5.40E-08	0.212151	0.611	0.474	0.000807	CSCL2	PPP2CA
MCL1.10	5.45E-08	-0.30573	0.541	0.601	0.000814	CSCL2	MCL1
SIGLEC8.1	5.46E-08	-0.34478	0.011	0.08	0.000816	CSCL2	SIGLEC8
CACNB3.7	5.61E-08	0.142292	0.119	0.058	0.000838	CSCL2	CACNB3
ZNF850	5.61E-08	0.113077	0.044	0.013	0.000838	CSCL2	ZNF850
FSD1.11	5.67E-08	0.19766	0.241	0.151	0.000847	CSCL2	FSD1
CAPN10-AS	5.74E-08	0.113874	0.086	0.036	0.000857	CSCL2	CAPN10-AS1
USP49.3	5.79E-08	0.129265	0.093	0.04	0.000865	CSCL2	USP49
NEK4	5.82E-08	0.142308	0.128	0.064	0.00087	CSCL2	NEK4
TRIM33.7	5.83E-08	0.213036	0.278	0.179	0.000871	CSCL2	TRIM33
ASPH.8	5.98E-08	0.243089	0.382	0.273	0.000894	CSCL2	ASPH
JAM2.13	6.04E-08	0.134097	0.366	0.248	0.000903	CSCL2	JAM2
CA8.11	6.27E-08	0.151653	0.113	0.053	0.000936	CSCL2	CA8
P2RX4.12	6.31E-08	-0.35564	0.086	0.18	0.000943	CSCL2	P2RX4
PRR3.6	6.41E-08	0.138999	0.177	0.1	0.000958	CSCL2	PRR3
SCCPDH.6	6.43E-08	0.179466	0.499	0.372	0.000961	CSCL2	SCCPDH
SLC8B1.12	6.45E-08	-0.2602	0.024	0.1	0.000963	CSCL2	SLC8B1
HIVEP3.9	6.48E-08	-0.20096	0.064	0.156	0.000969	CSCL2	HIVEP3
PLOD1.8	6.49E-08	-0.26097	0.093	0.195	0.000971	CSCL2	PLOD1
PLP2.10	6.59E-08	-0.29244	0.227	0.349	0.000985	CSCL2	PLP2
CDC42EP4.	6.61E-08	0.307604	0.296	0.197	0.000988	CSCL2	CDC42EP4
TMEM11.8	6.69E-08	0.149682	0.433	0.314	0.001	CSCL2	TMEM11
ZBTB10.6	6.72E-08	0.14	0.159	0.086	0.001004	CSCL2	ZBTB10
VPS13C.5	6.73E-08	-0.27596	0.082	0.178	0.001005	CSCL2	VPS13C
THBS1.10	6.84E-08	-0.3773	0.013	0.083	0.001022	CSCL2	THBS1
RNF145.6	6.93E-08	0.172062	0.501	0.372	0.001036	CSCL2	RNF145
CHST2.10	6.95E-08	-0.19662	0.051	0.139	0.001039	CSCL2	CHST2
CERS6.8	7.12E-08	0.16927	0.208	0.123	0.001064	CSCL2	CERS6

FANCM.1	7.13E-08	0.107901	0.062	0.023	0.001066	CSCL2	FANCM
RBM25.6	7.14E-08	0.117075	0.572	0.435	0.001067	CSCL2	RBM25
VANGL2.8	7.19E-08	0.10968	0.137	0.07	0.001074	CSCL2	VANGL2
HSBP1L1.8	7.24E-08	-0.19568	0.009	0.077	0.001081	CSCL2	HSBP1L1
DSE.13	7.35E-08	-0.32321	0.055	0.141	0.001098	CSCL2	DSE
THUMPD2.2	7.37E-08	0.208698	0.159	0.087	0.001101	CSCL2	THUMPD2
C19orf66.7	7.41E-08	-0.23265	0.143	0.26	0.001107	CSCL2	C19orf66
GSTM4.7	7.67E-08	-0.31608	0.106	0.209	0.001146	CSCL2	GSTM4
C20orf27.7	7.71E-08	-0.32194	0.265	0.364	0.001152	CSCL2	C20orf27
SYAP1.10	7.73E-08	-0.36257	0.287	0.391	0.001156	CSCL2	SYAP1
IL32.10	7.90E-08	-0.44735	0.026	0.103	0.00118	CSCL2	IL32
SLC1A5.11	7.98E-08	-0.28299	0.053	0.141	0.001192	CSCL2	SLC1A5
NXT1.7	8.04E-08	0.167283	0.437	0.312	0.001201	CSCL2	NXT1
EPAS1.8	8.04E-08	-0.25681	0.029	0.108	0.001202	CSCL2	EPAS1
CRYAB.12	8.07E-08	-0.69457	0.446	0.502	0.001206	CSCL2	CRYAB
ZC3HC1.9	8.10E-08	0.156788	0.203	0.121	0.001211	CSCL2	ZC3HC1
GCA.12	8.11E-08	-0.43492	0.199	0.303	0.001211	CSCL2	GCA
PROCR.11	8.27E-08	-0.28603	0.007	0.071	0.001235	CSCL2	PROCR
AUTS2.11	8.35E-08	0.171124	0.196	0.115	0.001248	CSCL2	AUTS2
IRF7.10	8.46E-08	-0.32229	0.073	0.164	0.001264	CSCL2	IRF7
IP07.6	8.52E-08	0.197015	0.307	0.208	0.001273	CSCL2	IP07
NUDCD2.8	8.64E-08	0.165009	0.517	0.396	0.001291	CSCL2	NUDCD2
FES.13	8.68E-08	-0.29979	0.013	0.082	0.001297	CSCL2	FES
CDC34.11	8.98E-08	0.235073	0.331	0.231	0.001342	CSCL2	CDC34
KARS.5	8.99E-08	0.114136	0.503	0.368	0.001344	CSCL2	KARS
TSC22D3.1	9.04E-08	-0.43718	0.393	0.459	0.001351	CSCL2	TSC22D3
ZNF180.1	9.05E-08	0.108894	0.088	0.038	0.001353	CSCL2	ZNF180
CARD9.13	9.05E-08	-0.25668	0.007	0.071	0.001353	CSCL2	CARD9
EEF1A2.3	9.10E-08	0.169877	0.084	0.036	0.001359	CSCL2	EEF1A2
TRIP6.11	9.18E-08	-0.27514	0.143	0.253	0.001372	CSCL2	TRIP6
ARAP1.9	9.31E-08	-0.31226	0.033	0.111	0.001391	CSCL2	ARAP1
SRSF11.6	9.32E-08	0.179537	0.669	0.534	0.001393	CSCL2	SRSF11
KLHL42.11	9.39E-08	0.214968	0.243	0.155	0.001403	CSCL2	KLHL42
SUPT20H.9	9.41E-08	0.168462	0.3	0.203	0.001406	CSCL2	SUPT20H
MAFB.11	9.49E-08	-0.44652	0.238	0.317	0.001418	CSCL2	MAFB
AC093673.9	9.78E-08	-0.26054	0.084	0.182	0.001461	CSCL2	AC093673.5
NIFK-AS1.9	9.78E-08	0.119875	0.157	0.085	0.001462	CSCL2	NIFK-AS1
STMN4.12	9.93E-08	0.154414	0.442	0.3	0.001484	CSCL2	STMN4
LINC00936.9	9.96E-08	-0.34254	0.057	0.144	0.001488	CSCL2	LINC00936
RNASEH1.9	1.00E-07	0.165303	0.329	0.225	0.001497	CSCL2	RNASEH1
GFM2.3	1.00E-07	0.193017	0.157	0.086	0.001499	CSCL2	GFM2
CASP3.7	1.01E-07	0.227314	0.291	0.193	0.001515	CSCL2	CASP3
CSTF2T.4	1.03E-07	0.178303	0.199	0.118	0.001534	CSCL2	CSTF2T
CDV3.8	1.04E-07	-0.24559	0.166	0.28	0.001552	CSCL2	CDV3
GSE1.10	1.04E-07	0.119715	0.163	0.088	0.001552	CSCL2	GSE1
OGG1.5	1.05E-07	0.155351	0.234	0.146	0.001566	CSCL2	OGG1
SSBP3.9	1.07E-07	0.169248	0.208	0.125	0.001596	CSCL2	SSBP3
ST6GALNAC4.1	1.08E-07	-0.19644	0.044	0.129	0.001618	CSCL2	ST6GALNAC4
IKZF1.12	1.08E-07	-0.27115	0.004	0.067	0.001619	CSCL2	IKZF1
MNAT1.9	1.09E-07	0.139135	0.285	0.189	0.001622	CSCL2	MNAT1
TMEM145.8	1.09E-07	0.106572	0.132	0.067	0.001631	CSCL2	TMEM145

ST8SIA4.1	1.10E-07	-0.3407	0.042	0.122	0.001637	CSCL2	ST8SIA4
PKN3.2	1.10E-07	0.104033	0.044	0.014	0.001646	CSCL2	PKN3
ZNF611.1	1.11E-07	0.135604	0.119	0.059	0.001656	CSCL2	ZNF611
TLR1.13	1.11E-07	-0.29035	0.007	0.07	0.001659	CSCL2	TLR1
RP11-488C	1.11E-07	0.131724	0.128	0.065	0.001661	CSCL2	RP11-488C13.5
CLASP2.12	1.12E-07	0.14358	0.302	0.193	0.001668	CSCL2	CLASP2
STAC3.13	1.12E-07	-0.27642	0.013	0.082	0.001681	CSCL2	STAC3
GLYR1.3	1.13E-07	0.150169	0.309	0.205	0.001686	CSCL2	GLYR1
LAMTOR5.5	1.14E-07	-0.25621	0.684	0.692	0.0017	CSCL2	LAMTOR5
NIFK.9	1.14E-07	0.122573	0.47	0.343	0.001709	CSCL2	NIFK
NUP43.2	1.16E-07	0.230476	0.148	0.08	0.001732	CSCL2	NUP43
PTPN4.9	1.17E-07	0.14493	0.177	0.099	0.001747	CSCL2	PTPN4
ARF5.4	1.17E-07	0.138991	0.651	0.524	0.001751	CSCL2	ARF5
CHURC1.6	1.19E-07	-0.34427	0.307	0.404	0.001774	CSCL2	CHURC1
BRMS1L.7	1.19E-07	0.148459	0.168	0.095	0.001774	CSCL2	BRMS1L
PMPCB.8	1.20E-07	0.116478	0.468	0.338	0.001794	CSCL2	PMPCB
CCDC159.3	1.21E-07	-0.29826	0.062	0.152	0.001813	CSCL2	CCDC159
ANKRD46.9	1.22E-07	0.115895	0.249	0.153	0.001816	CSCL2	ANKRD46
UQCRC2.6	1.23E-07	-0.26067	0.415	0.517	0.001832	CSCL2	UQCRC2
REEP1.11	1.24E-07	0.151119	0.148	0.078	0.001854	CSCL2	REEP1
SMO.8	1.25E-07	0.130211	0.104	0.049	0.001866	CSCL2	SMO
DDB1.3	1.25E-07	0.124475	0.413	0.285	0.001867	CSCL2	DDB1
GPR108.7	1.25E-07	-0.33835	0.163	0.27	0.001871	CSCL2	GPR108
PPIC.11	1.25E-07	-0.27766	0.091	0.187	0.001874	CSCL2	PPIC
GKAP1.9	1.26E-07	0.208956	0.157	0.087	0.001886	CSCL2	GKAP1
PYCR1.9	1.26E-07	0.193798	0.269	0.181	0.001887	CSCL2	PYCR1
RGMA.12	1.27E-07	0.18393	0.302	0.196	0.001893	CSCL2	RGMA
DDX42.8	1.28E-07	0.158901	0.316	0.214	0.001908	CSCL2	DDX42
SCD.12	1.29E-07	-0.4031	0.119	0.216	0.001927	CSCL2	SCD
C14orf93	1.29E-07	0.13694	0.088	0.039	0.001932	CSCL2	C14orf93
SART3.5	1.29E-07	0.153855	0.203	0.122	0.001934	CSCL2	SART3
COX7C.6	1.30E-07	-0.16255	0.898	0.885	0.001948	CSCL2	COX7C
ETF1.11	1.31E-07	-0.34856	0.247	0.349	0.001953	CSCL2	ETF1
LMO3.8	1.33E-07	0.118341	0.152	0.08	0.001988	CSCL2	LMO3
DNMT3A.4	1.33E-07	0.151173	0.172	0.098	0.00199	CSCL2	DNMT3A
GAPT.13	1.33E-07	-0.27344	0.002	0.062	0.001993	CSCL2	GAPT
MGMT.12	1.34E-07	-0.38065	0.066	0.155	0.002008	CSCL2	MGMT
KCNH2.9	1.35E-07	0.104423	0.128	0.064	0.002011	CSCL2	KCNH2
TMEM50A.7	1.35E-07	-0.28425	0.532	0.594	0.002018	CSCL2	TMEM50A
PTPN7.13	1.35E-07	-0.3094	0.013	0.081	0.002023	CSCL2	PTPN7
ZCCHC8.2	1.36E-07	0.135428	0.152	0.083	0.002037	CSCL2	ZCCHC8
ORMDL2.1C	1.37E-07	-0.40095	0.172	0.276	0.002042	CSCL2	ORMDL2
PHF21B.2	1.37E-07	0.126635	0.071	0.028	0.002053	CSCL2	PHF21B
PRPF19.3	1.38E-07	0.147678	0.355	0.249	0.002069	CSCL2	PRPF19
AAED1.9	1.40E-07	-0.29234	0.091	0.185	0.002093	CSCL2	AAED1
ZNF331.11	1.40E-07	-0.51919	0.234	0.319	0.002097	CSCL2	ZNF331
ERI3.9	1.42E-07	0.130139	0.49	0.364	0.002126	CSCL2	ERI3
PVRL2.9	1.43E-07	-0.28891	0.146	0.247	0.002133	CSCL2	PVRL2
POGZ.9	1.46E-07	0.180924	0.305	0.207	0.002179	CSCL2	POGZ
APOBEC3C.1	1.46E-07	-0.33576	0.049	0.131	0.002189	CSCL2	APOBEC3C
TMEM165.6	1.48E-07	0.237425	0.561	0.452	0.002207	CSCL2	TMEM165

DOK2.12	1.50E-07	-0.26223	0	0.058	0.002248	CSCL2	DOK2
WBP2.5	1.52E-07	-0.25473	0.355	0.456	0.00227	CSCL2	WBP2
PIGP.4	1.52E-07	-0.31711	0.128	0.234	0.002278	CSCL2	PIGP
SNHG10.7	1.53E-07	0.176454	0.161	0.091	0.00229	CSCL2	SNHG10
NR4A1.12	1.58E-07	-0.50365	0.194	0.276	0.002362	CSCL2	NR4A1
PELP1.7	1.64E-07	0.179575	0.234	0.147	0.002444	CSCL2	PELP1
TNFSF10.1	1.64E-07	-0.32413	0.011	0.077	0.002446	CSCL2	TNFSF10
WDR92.6	1.65E-07	0.155435	0.143	0.077	0.002467	CSCL2	WDR92
DDIT3.8	1.65E-07	0.237544	0.517	0.424	0.002473	CSCL2	DDIT3
ZNF420.8	1.66E-07	0.125512	0.181	0.104	0.002483	CSCL2	ZNF420
DOCK4.8	1.70E-07	-0.36026	0.077	0.165	0.002535	CSCL2	DOCK4
CXXC1.5	1.70E-07	0.170759	0.26	0.17	0.002545	CSCL2	CXXC1
BCLAF1.8	1.71E-07	0.163839	0.501	0.38	0.002549	CSCL2	BCLAF1
NMI.11	1.72E-07	-0.32581	0.091	0.186	0.002567	CSCL2	NMI
RP11-556E	1.73E-07	-0.27579	0	0.057	0.002583	CSCL2	RP11-556E13.1
UBE2E2.7	1.74E-07	0.112441	0.358	0.235	0.002594	CSCL2	UBE2E2
TRPV2.13	1.76E-07	-0.24447	0.002	0.061	0.002636	CSCL2	TRPV2
GCFC2.4	1.77E-07	0.203214	0.196	0.117	0.002649	CSCL2	GCFC2
PKNOX1.3	1.82E-07	0.137465	0.183	0.106	0.00272	CSCL2	PKNOX1
MFAP1.7	1.84E-07	0.182791	0.26	0.169	0.002745	CSCL2	MFAP1
TYRO3.10	1.85E-07	0.148999	0.181	0.106	0.00276	CSCL2	TYRO3
LRRC40.7	1.85E-07	0.148422	0.227	0.139	0.00277	CSCL2	LRRC40
NIPSNAP3A	1.87E-07	-0.32035	0.106	0.204	0.002792	CSCL2	NIPSNAP3A
SMC6.10	1.90E-07	0.203313	0.238	0.153	0.00284	CSCL2	SMC6
HERC2.5	1.92E-07	0.133901	0.28	0.184	0.002871	CSCL2	HERC2
FLII.9	1.92E-07	-0.29857	0.097	0.191	0.002873	CSCL2	FLII
PNMA2.11	1.92E-07	0.255035	0.216	0.136	0.002873	CSCL2	PNMA2
FHL3.7	1.93E-07	-0.19224	0.071	0.163	0.00288	CSCL2	FHL3
NOC2L.10	1.95E-07	0.12203	0.426	0.308	0.002915	CSCL2	NOC2L
FOSB.10	1.97E-07	-0.38866	0.316	0.395	0.002951	CSCL2	FOSB
ATXN80S.9	1.98E-07	-0.62518	0.015	0.082	0.002963	CSCL2	ATXN80S
HPSE.12	1.99E-07	-0.26571	0.002	0.061	0.002981	CSCL2	HPSE
CAPN1.8	2.00E-07	-0.24401	0.157	0.263	0.002991	CSCL2	CAPN1
CCDC112.1	2.02E-07	0.157257	0.369	0.256	0.003013	CSCL2	CCDC112
HEXB.12	2.02E-07	-0.18015	0.3	0.41	0.003016	CSCL2	HEXB
TTYH2.10	2.03E-07	-0.28739	0.04	0.118	0.003033	CSCL2	TTYH2
DPY30.9	2.09E-07	0.128245	0.636	0.49	0.00312	CSCL2	DPY30
COL6A1.12	2.09E-07	-0.32888	0.137	0.232	0.003129	CSCL2	COL6A1
ZFP1.6	2.10E-07	0.130263	0.126	0.064	0.00314	CSCL2	ZFP1
SNW1.2	2.12E-07	0.175017	0.464	0.349	0.003168	CSCL2	SNW1
TRMT112.7	2.12E-07	-0.27124	0.689	0.707	0.003171	CSCL2	TRMT112
SBNO1.9	2.13E-07	0.140559	0.371	0.261	0.003182	CSCL2	SBNO1
LHFP.12	2.14E-07	0.156092	0.34	0.227	0.0032	CSCL2	LHFP
ABCD3.8	2.15E-07	0.208459	0.285	0.192	0.00322	CSCL2	ABCD3
IGF1.11	2.26E-07	-0.30039	0.004	0.064	0.003373	CSCL2	IGF1
CNIH4.9	2.31E-07	0.196412	0.494	0.369	0.003448	CSCL2	CNIH4
THUMP3.7	2.32E-07	0.173947	0.278	0.19	0.003461	CSCL2	THUMP3
AGT.11	2.32E-07	-0.3752	0.124	0.224	0.003471	CSCL2	AGT
CLEC4E.11	2.34E-07	-0.33434	0.002	0.06	0.003492	CSCL2	CLEC4E
MCRS1.7	2.41E-07	0.179056	0.369	0.266	0.003601	CSCL2	MCRS1
SHF.2	2.43E-07	0.109812	0.091	0.041	0.003626	CSCL2	SHF

ZNF143.2	2.43E-07	0.130007	0.146	0.078	0.003637	CSCL2	ZNF143
SMPDL3A.1	2.44E-07	-0.3233	0.049	0.128	0.003644	CSCL2	SMPDL3A
LINCO0910	2.46E-07	0.107381	0.143	0.076	0.003675	CSCL2	LINCO0910
ANKRD22.1	2.48E-07	-0.29888	0.007	0.067	0.0037	CSCL2	ANKRD22
CLEC2B.13	2.48E-07	-0.54161	0.126	0.208	0.003704	CSCL2	CLEC2B
DMAP1.7	2.50E-07	0.155206	0.355	0.247	0.003743	CSCL2	DMAP1
HRAS.11	2.54E-07	0.217582	0.397	0.289	0.003801	CSCL2	HRAS
EIF2B4.6	2.55E-07	0.147307	0.28	0.184	0.003811	CSCL2	EIF2B4
LILRB2.13	2.56E-07	-0.25867	0	0.056	0.003828	CSCL2	LILRB2
RP11-563K	2.58E-07	0.145894	0.121	0.062	0.003858	CSCL2	RP11-563K23.1
ATP1B2.12	2.59E-07	-0.28335	0.139	0.237	0.003866	CSCL2	ATP1B2
TRRAP.1	2.62E-07	0.131855	0.15	0.082	0.003914	CSCL2	TRRAP
IL16.12	2.64E-07	-0.29829	0.009	0.071	0.003944	CSCL2	IL16
PLAC8.12	2.64E-07	-0.34775	0.009	0.07	0.003947	CSCL2	PLAC8
MAN1C1.4	2.66E-07	-0.15806	0.018	0.086	0.003979	CSCL2	MAN1C1
EVA1B.8	2.66E-07	-0.1605	0.044	0.126	0.003982	CSCL2	EVA1B
TADA2A.3	2.73E-07	0.142373	0.135	0.072	0.004073	CSCL2	TADA2A
RASAL3.12	2.73E-07	-0.24506	0.002	0.059	0.004079	CSCL2	RASAL3
SNHG15.6	2.73E-07	-0.31213	0.121	0.226	0.004084	CSCL2	SNHG15
ERP29.8	2.74E-07	-0.26796	0.565	0.613	0.004093	CSCL2	ERP29
ZNF250.5	2.77E-07	0.126586	0.146	0.078	0.004138	CSCL2	ZNF250
BOK.12	2.79E-07	-0.19374	0.013	0.078	0.004166	CSCL2	BOK
MYO1G.12	2.81E-07	-0.24455	0.004	0.063	0.004192	CSCL2	MYO1G
UBA7.10	2.86E-07	-0.3005	0.018	0.084	0.004281	CSCL2	UBA7
PIBF1.5	2.87E-07	0.149691	0.157	0.087	0.004293	CSCL2	PIBF1
NRROS.10	2.90E-07	-0.29732	0.009	0.07	0.004326	CSCL2	NRROS
C1QBP.10	2.91E-07	0.200948	0.704	0.548	0.004343	CSCL2	C1QBP
HNRNPUL2.2	2.91E-07	0.168567	0.247	0.159	0.004345	CSCL2	HNRNPUL2
NTHL1.7	2.94E-07	0.200573	0.272	0.184	0.004387	CSCL2	NTHL1
PHACTR2.8	2.94E-07	-0.17159	0.018	0.085	0.004399	CSCL2	PHACTR2
PIK3AP1.1	2.94E-07	-0.23849	0.007	0.067	0.004401	CSCL2	PIK3AP1
HSD3B7.8	2.99E-07	-0.245	0.013	0.078	0.004465	CSCL2	HSD3B7
ACTN1.10	3.01E-07	-0.29923	0.159	0.259	0.004503	CSCL2	ACTN1
JUNB.8	3.03E-07	-0.18461	0.664	0.726	0.004532	CSCL2	JUNB
ZNF814.7	3.06E-07	0.140247	0.199	0.119	0.004572	CSCL2	ZNF814
ALDH18A1.3	3.09E-07	0.164109	0.15	0.083	0.00462	CSCL2	ALDH18A1
FAM184A.6	3.12E-07	0.140234	0.102	0.049	0.004659	CSCL2	FAM184A
ADAM10.7	3.12E-07	-0.2954	0.093	0.187	0.00466	CSCL2	ADAM10
DUSP22.11	3.12E-07	-0.2858	0.038	0.114	0.004661	CSCL2	DUSP22
CCDC28A.1	3.15E-07	-0.31692	0.073	0.162	0.004706	CSCL2	CCDC28A
SPPL3.10	3.23E-07	0.129579	0.289	0.194	0.004823	CSCL2	SPPL3
TMEM18.5	3.26E-07	0.1789	0.3	0.204	0.004877	CSCL2	TMEM18
LRPAP1.8	3.26E-07	-0.2714	0.479	0.55	0.004878	CSCL2	LRPAP1
KBTBD7.7	3.27E-07	0.149412	0.152	0.084	0.004887	CSCL2	KBTBD7
TBCCD1.1	3.28E-07	0.119339	0.121	0.062	0.004897	CSCL2	TBCCD1
RGS18.13	3.38E-07	-0.24576	0	0.054	0.00505	CSCL2	RGS18
NELFCD.11	3.41E-07	0.151142	0.455	0.332	0.005103	CSCL2	NELFCD
FPR3.13	3.43E-07	-0.23303	0.002	0.058	0.005127	CSCL2	FPR3
HM13.4	3.46E-07	-0.27058	0.402	0.478	0.005177	CSCL2	HM13
EPHX1.7	3.48E-07	-0.34261	0.135	0.236	0.005202	CSCL2	EPHX1
KCNMB1.12	3.49E-07	-0.38918	0.033	0.105	0.005216	CSCL2	KCNMB1

RHOQ. 8	3. 50E-07	-0. 24735	0. 075	0. 165	0. 005234	CSCL2	RHOQ
SCAI. 6	3. 50E-07	0. 112636	0. 148	0. 08	0. 005237	CSCL2	SCAI
UBASH3B. 8	3. 54E-07	-0. 17018	0. 013	0. 078	0. 005286	CSCL2	UBASH3B
RBM15. 1	3. 60E-07	0. 12903	0. 099	0. 047	0. 005373	CSCL2	RBM15
PCGF5. 8	3. 63E-07	-0. 25139	0. 088	0. 183	0. 005419	CSCL2	PCGF5
IFNGR2. 11	3. 65E-07	-0. 32284	0. 307	0. 393	0. 005448	CSCL2	IFNGR2
SOAT1. 13	3. 65E-07	-0. 35765	0. 11	0. 201	0. 00546	CSCL2	SOAT1
TAF1A. 4	3. 66E-07	0. 112684	0. 11	0. 054	0. 005467	CSCL2	TAF1A
ARPC5. 11	3. 69E-07	-0. 2126	0. 678	0. 672	0. 005517	CSCL2	ARPC5
ATP2A2. 7	3. 71E-07	0. 154237	0. 38	0. 275	0. 00554	CSCL2	ATP2A2
ILK. 6	3. 71E-07	-0. 31507	0. 267	0. 369	0. 005546	CSCL2	ILK
SP140L. 9	3. 71E-07	-0. 26935	0. 015	0. 08	0. 005551	CSCL2	SP140L
WDR82. 7	3. 71E-07	0. 188883	0. 349	0. 25	0. 005551	CSCL2	WDR82
THAP9-AS1	3. 76E-07	0. 120087	0. 32	0. 217	0. 005616	CSCL2	THAP9-AS1
SLC25A11. 3	3. 77E-07	0. 169361	0. 541	0. 415	0. 005638	CSCL2	SLC25A11
RHOA. 10	3. 77E-07	-0. 22089	0. 766	0. 754	0. 00564	CSCL2	RHOA
GALNT2. 6	3. 79E-07	-0. 34063	0. 15	0. 247	0. 005666	CSCL2	GALNT2
CSPG4. 1	3. 80E-07	0. 102315	0. 071	0. 029	0. 005676	CSCL2	CSPG4
PAN2	3. 85E-07	0. 114284	0. 11	0. 054	0. 005756	CSCL2	PAN2
DENR. 8	3. 85E-07	0. 149889	0. 435	0. 316	0. 005759	CSCL2	DENR
MT1F. 11	4. 03E-07	-0. 33166	0. 205	0. 309	0. 006016	CSCL2	MT1F
HMGCL. 2	4. 03E-07	-0. 27338	0. 121	0. 222	0. 006029	CSCL2	HMGCL
AP001055. 4	4. 05E-07	-0. 33867	0. 018	0. 082	0. 00605	CSCL2	AP001055. 6
SIAH2. 6	4. 07E-07	0. 120953	0. 311	0. 206	0. 006077	CSCL2	SIAH2
PCBP1. 8	4. 14E-07	0. 133656	0. 687	0. 584	0. 006188	CSCL2	PCBP1
SFMBT2. 1C	4. 14E-07	-0. 31568	0. 015	0. 08	0. 006193	CSCL2	SFMBT2
CGGBP1. 5	4. 15E-07	0. 210145	0. 366	0. 266	0. 006199	CSCL2	CGGBP1
TFEB. 9	4. 15E-07	-0. 2287	0. 015	0. 08	0. 006201	CSCL2	TFEB
BATF3. 6	4. 15E-07	-0. 17431	0. 024	0. 095	0. 006201	CSCL2	BATF3
PTCD1. 2	4. 19E-07	0. 119381	0. 146	0. 079	0. 006263	CSCL2	PTCD1
RWDD4. 7	4. 20E-07	0. 162027	0. 32	0. 223	0. 006282	CSCL2	RWDD4
FAU. 10	4. 27E-07	-0. 22118	0. 951	0. 958	0. 006381	CSCL2	FAU
SDR39U1. 6	4. 31E-07	0. 166635	0. 375	0. 27	0. 006435	CSCL2	SDR39U1
RP11-544A	4. 32E-07	0. 12859	0. 148	0. 08	0. 006458	CSCL2	RP11-544A12. 8
ZNF669. 5	4. 32E-07	0. 111889	0. 166	0. 093	0. 006459	CSCL2	ZNF669
ZNF77	4. 39E-07	0. 109028	0. 086	0. 039	0. 006555	CSCL2	ZNF77
BDP1. 5	4. 43E-07	0. 187287	0. 34	0. 241	0. 006619	CSCL2	BDP1
DGUOK. 9	4. 46E-07	0. 111419	0. 656	0. 51	0. 006659	CSCL2	DGUOK
COX7A2L. 3	4. 55E-07	-0. 27731	0. 57	0. 614	0. 006795	CSCL2	COX7A2L
FRYL. 12	4. 56E-07	0. 1649	0. 274	0. 184	0. 006821	CSCL2	FRYL
ZNF793. 8	4. 58E-07	0. 15714	0. 181	0. 107	0. 006838	CSCL2	ZNF793
ERCC3. 4	4. 59E-07	0. 146861	0. 225	0. 141	0. 006853	CSCL2	ERCC3
PLS3. 11	4. 59E-07	-0. 17777	0. 128	0. 225	0. 006866	CSCL2	PLS3
GPHN. 7	4. 67E-07	0. 110108	0. 124	0. 064	0. 006978	CSCL2	GPHN
MAGEH1. 11	4. 73E-07	0. 103091	0. 435	0. 313	0. 007073	CSCL2	MAGEH1
TBCC. 11	4. 73E-07	0. 145928	0. 322	0. 217	0. 007076	CSCL2	TBCC
IRF3. 6	4. 77E-07	-0. 23833	0. 143	0. 248	0. 007134	CSCL2	IRF3
PRPSAP2. 7	4. 85E-07	0. 147533	0. 373	0. 262	0. 007243	CSCL2	PRPSAP2
CD9. 6	4. 86E-07	-0. 38735	0. 503	0. 568	0. 007263	CSCL2	CD9
EFCAB7. 6	4. 86E-07	0. 140925	0. 128	0. 067	0. 007268	CSCL2	EFCAB7
GNPTAB. 5	4. 90E-07	-0. 30256	0. 075	0. 159	0. 007329	CSCL2	GNPTAB

RP11-436C	4.95E-07	0.11692	0.044	0.014	0.007392	CSCL2	RP11-436D23.1
UBQLN2.1C	4.98E-07	0.12894	0.318	0.217	0.007438	CSCL2	UBQLN2
ECHDC2.8	5.00E-07	-0.19624	0.097	0.192	0.007474	CSCL2	ECHDC2
ZNF268.8	5.01E-07	0.119746	0.19	0.114	0.007482	CSCL2	ZNF268
LMBRD1.8	5.04E-07	-0.37993	0.126	0.22	0.007538	CSCL2	LMBRD1
VSIG10.3	5.13E-07	0.148132	0.117	0.06	0.00766	CSCL2	VSIG10
ARHGAP27.5	5.16E-07	-0.22612	0.002	0.057	0.007705	CSCL2	ARHGAP27
PHF5A.4	5.16E-07	0.122885	0.433	0.323	0.007713	CSCL2	PHF5A
UBE2D3.1C	5.17E-07	-0.20025	0.702	0.729	0.00772	CSCL2	UBE2D3
TOM1.10	5.17E-07	-0.29125	0.077	0.164	0.007723	CSCL2	TOM1
METRNL.1C	5.19E-07	-0.29218	0.02	0.085	0.00775	CSCL2	METRNL
TICAM1.3	5.20E-07	-0.20005	0.024	0.093	0.007765	CSCL2	TICAM1
PRKD3.5	5.23E-07	0.121094	0.23	0.143	0.007822	CSCL2	PRKD3
NBPF1.11	5.30E-07	0.208497	0.325	0.232	0.007919	CSCL2	NBPF1
SCAMP1.9	5.31E-07	0.200886	0.307	0.21	0.00794	CSCL2	SCAMP1
DCXR.6	5.32E-07	0.149458	0.57	0.448	0.00795	CSCL2	DCXR
DCAF6.7	5.32E-07	-0.22961	0.079	0.169	0.007952	CSCL2	DCAF6
TRIM41.2	5.33E-07	0.160325	0.166	0.096	0.007961	CSCL2	TRIM41
LSAMP.9	5.35E-07	0.123335	0.267	0.168	0.007991	CSCL2	LSAMP
UBQLN4.5	5.35E-07	0.197507	0.17	0.1	0.007998	CSCL2	UBQLN4
ZNF292.1C	5.41E-07	0.12836	0.366	0.26	0.008086	CSCL2	ZNF292
Clorf159.5	5.49E-07	0.135745	0.102	0.05	0.008203	CSCL2	Clorf159
MSRA.10	5.52E-07	0.126608	0.366	0.252	0.008246	CSCL2	MSRA
GLB1.10	5.53E-07	-0.3351	0.152	0.248	0.00826	CSCL2	GLB1
ZNF7.5	5.60E-07	0.143058	0.245	0.157	0.008369	CSCL2	ZNF7
FN1.11	5.61E-07	-0.41574	0.075	0.158	0.008377	CSCL2	FN1
GIMAP5.11	5.61E-07	-0.23618	0	0.053	0.008386	CSCL2	GIMAP5
CBY1.8	5.65E-07	0.1731	0.238	0.156	0.008441	CSCL2	CBY1
CEP97.8	5.72E-07	0.113605	0.137	0.073	0.008543	CSCL2	CEP97
YWHAG.9	5.80E-07	0.151426	0.508	0.386	0.008665	CSCL2	YWHAG
THOC2.7	5.81E-07	0.163218	0.411	0.299	0.008681	CSCL2	THOC2
MMP19.8	5.83E-07	-0.24962	0.004	0.06	0.008705	CSCL2	MMP19
ZNF766.5	5.85E-07	0.199423	0.199	0.123	0.008746	CSCL2	ZNF766
OBFC1.5	6.03E-07	-0.23449	0.022	0.089	0.009017	CSCL2	OBFC1
FGFR10P.4	6.04E-07	0.154126	0.141	0.078	0.009025	CSCL2	FGFR10P
PDCD7.8	6.07E-07	0.18099	0.309	0.217	0.009074	CSCL2	PDCD7
FAM69C.11	6.16E-07	-0.11275	0.015	0.079	0.009202	CSCL2	FAM69C
HSPB11.7	6.18E-07	0.17632	0.435	0.324	0.009238	CSCL2	HSPB11
OPHN1.9	6.20E-07	0.138868	0.13	0.069	0.009261	CSCL2	OPHN1
STAG2.4	6.21E-07	0.124162	0.342	0.239	0.00928	CSCL2	STAG2
GPRASP1.1	6.22E-07	0.105581	0.06	0.023	0.009299	CSCL2	GPRASP1
IGDCC3.12	6.23E-07	0.131664	0.117	0.06	0.009317	CSCL2	IGDCC3
UBN1.9	6.24E-07	0.149557	0.247	0.163	0.009323	CSCL2	UBN1
AMH.9	6.30E-07	0.157529	0.108	0.055	0.009411	CSCL2	AMH
NOL10.7	6.32E-07	0.162045	0.234	0.152	0.009442	CSCL2	NOL10
FBXL15.11	6.32E-07	-0.25681	0.106	0.199	0.009446	CSCL2	FBXL15
LHPP.8	6.32E-07	-0.37499	0.035	0.108	0.009446	CSCL2	LHPP
NOL3.10	6.47E-07	-0.29201	0.082	0.169	0.009668	CSCL2	NOL3
AASS.9	6.51E-07	0.133498	0.185	0.112	0.009735	CSCL2	AASS
SLC27A1.7	6.54E-07	-0.23018	0.077	0.163	0.009772	CSCL2	SLC27A1
CCL3L3.1C	6.64E-07	-0.64184	0.002	0.056	0.009926	CSCL2	CCL3L3



NGFR. 8	6. 65E-07	0. 130749	0. 079	0. 035	0. 009941	CSCL2	NGFR
SF3B4. 3	6. 68E-07	0. 126226	0. 428	0. 317	0. 009983	CSCL2	SF3B4
RAB4B. 7	6. 70E-07	-0. 28126	0. 163	0. 267	0. 010008	CSCL2	RAB4B
CLDN12. 13	6. 91E-07	0. 241061	0. 216	0. 135	0. 010322	CSCL2	CLDN12
BRK1. 4	6. 91E-07	-0. 16927	0. 788	0. 78	0. 01033	CSCL2	BRK1
DOK3. 12	6. 94E-07	-0. 21696	0. 009	0. 068	0. 01037	CSCL2	DOK3
SF3B1. 6	7. 00E-07	0. 131463	0. 558	0. 431	0. 010455	CSCL2	SF3B1
SREK1. 9	7. 01E-07	0. 198198	0. 422	0. 319	0. 010477	CSCL2	SREK1
CNOT8. 4	7. 08E-07	0. 167144	0. 269	0. 178	0. 010581	CSCL2	CNOT8
ZNF548. 4	7. 19E-07	0. 147138	0. 126	0. 066	0. 010745	CSCL2	ZNF548
MAPRE1. 6	7. 31E-07	0. 179457	0. 603	0. 472	0. 010923	CSCL2	MAPRE1
ZNF524. 7	7. 39E-07	-0. 20312	0. 097	0. 191	0. 01105	CSCL2	ZNF524
THOC3. 6	7. 40E-07	0. 117923	0. 254	0. 166	0. 011053	CSCL2	THOC3
CABLES2	7. 40E-07	0. 110368	0. 06	0. 023	0. 011057	CSCL2	CABLES2
RP13-1032	7. 41E-07	0. 173857	0. 137	0. 077	0. 011071	CSCL2	RP13-1032I1. 7
UQCRC1. 7	7. 49E-07	0. 138361	0. 627	0. 483	0. 011186	CSCL2	UQCRC1
GLIPR2. 11	7. 51E-07	-0. 24151	0. 168	0. 273	0. 011222	CSCL2	GLIPR2
ZNF853. 9	7. 54E-07	0. 126562	0. 095	0. 046	0. 011269	CSCL2	ZNF853
DTD1. 12	7. 64E-07	0. 145943	0. 521	0. 386	0. 011411	CSCL2	DTD1
NDUFS1. 9	7. 67E-07	0. 187426	0. 347	0. 251	0. 011468	CSCL2	NDUFS1
FAM49A. 8	7. 73E-07	-0. 30534	0. 088	0. 174	0. 011549	CSCL2	FAM49A
SDC2. 8	7. 76E-07	-0. 25147	0. 104	0. 196	0. 0116	CSCL2	SDC2
TMEM68. 8	7. 87E-07	0. 172065	0. 249	0. 164	0. 011755	CSCL2	TMEM68
NDUFB4. 4	7. 87E-07	-0. 19447	0. 658	0. 681	0. 011765	CSCL2	NDUFB4
ABR. 8	7. 93E-07	-0. 26415	0. 066	0. 148	0. 011857	CSCL2	ABR
UMPS. 7	7. 95E-07	0. 21574	0. 205	0. 13	0. 011875	CSCL2	UMPS
NKIRAS2. 7	7. 95E-07	0. 121939	0. 362	0. 259	0. 011881	CSCL2	NKIRAS2
TRIM44. 1C	8. 04E-07	0. 166299	0. 389	0. 283	0. 012016	CSCL2	TRIM44
MEPCE. 3	8. 10E-07	0. 148929	0. 201	0. 125	0. 012111	CSCL2	MEPCE
FZR1. 7	8. 16E-07	0. 219668	0. 232	0. 152	0. 01219	CSCL2	FZR1
TMEM144. 8	8. 26E-07	-0. 42938	0. 018	0. 08	0. 012343	CSCL2	TMEM144
TAX1BP3. 9	8. 29E-07	-0. 38736	0. 3	0. 385	0. 012387	CSCL2	TAX1BP3
PNKD. 8	8. 30E-07	0. 123007	0. 589	0. 452	0. 012403	CSCL2	PNKD
IWS1. 8	8. 36E-07	0. 1738	0. 3	0. 209	0. 012496	CSCL2	IWS1
NFKBIZ. 11	8. 40E-07	-0. 30001	0. 093	0. 178	0. 01255	CSCL2	NFKBIZ
ECHS1. 7	8. 41E-07	-0. 28031	0. 36	0. 437	0. 012573	CSCL2	ECHS1
CSTF1. 4	8. 52E-07	0. 137625	0. 203	0. 127	0. 012738	CSCL2	CSTF1
NSD1. 6	8. 72E-07	0. 159355	0. 325	0. 229	0. 013024	CSCL2	NSD1
GTF2IRD2. 8	8. 76E-07	0. 112787	0. 19	0. 113	0. 01309	CSCL2	GTF2IRD2
FAM20C. 1C	8. 81E-07	-0. 29844	0. 132	0. 227	0. 013165	CSCL2	FAM20C
TRMT10C. 8	8. 90E-07	0. 114128	0. 347	0. 246	0. 013306	CSCL2	TRMT10C
DCAF15. 4	9. 07E-07	0. 143625	0. 179	0. 107	0. 013554	CSCL2	DCAF15
MX2. 13	9. 09E-07	-0. 26914	0. 009	0. 066	0. 013579	CSCL2	MX2
REEP6. 1	9. 23E-07	-0. 13452	0. 02	0. 085	0. 013794	CSCL2	REEP6
BIRC3. 7	9. 34E-07	-0. 2965	0. 009	0. 066	0. 013963	CSCL2	BIRC3
EMC8. 8	9. 38E-07	0. 213823	0. 373	0. 268	0. 014012	CSCL2	EMC8
BBOX1. 12	9. 44E-07	-0. 20633	0. 057	0. 141	0. 0141	CSCL2	BBOX1
ABHD8. 8	9. 51E-07	-0. 17668	0. 064	0. 148	0. 01421	CSCL2	ABHD8
URGCP. 7	9. 57E-07	0. 168322	0. 188	0. 113	0. 014297	CSCL2	URGCP
ZC3H7A. 7	9. 61E-07	0. 143445	0. 23	0. 146	0. 014367	CSCL2	ZC3H7A
ACBD6. 8	9. 64E-07	0. 194812	0. 371	0. 273	0. 014405	CSCL2	ACBD6

CYLD. 8	9. 70E-07	-0. 31203	0. 084	0. 168	0. 014494	CSCL2	CYLD
GMPS. 7	9. 77E-07	0. 176954	0. 267	0. 181	0. 014603	CSCL2	GMPS
ITGB5. 8	9. 80E-07	-0. 21733	0. 004	0. 058	0. 01465	CSCL2	ITGB5
PRPF38B. 7	9. 91E-07	0. 15545	0. 554	0. 43	0. 014805	CSCL2	PRPF38B
POM121. 5	1. 00E-06	0. 137614	0. 236	0. 154	0. 014945	CSCL2	POM121
TMEM63A. 7	1. 00E-06	-0. 2404	0. 013	0. 073	0. 015003	CSCL2	TMEM63A
PDS5A. 3	1. 01E-06	0. 143959	0. 236	0. 155	0. 015125	CSCL2	PDS5A
PRRC2A. 7	1. 02E-06	0. 171779	0. 336	0. 239	0. 015309	CSCL2	PRRC2A
YWHAH. 11	1. 03E-06	0. 159789	0. 72	0. 559	0. 01534	CSCL2	YWHAH
PCNXL4. 2	1. 03E-06	0. 112506	0. 194	0. 12	0. 015442	CSCL2	PCNXL4
PRCC. 8	1. 04E-06	0. 177976	0. 402	0. 299	0. 015549	CSCL2	PRCC
GNGT2. 13	1. 04E-06	-0. 23158	0. 002	0. 054	0. 015569	CSCL2	GNGT2
ERAL1. 7	1. 04E-06	0. 13646	0. 336	0. 237	0. 015577	CSCL2	ERAL1
RBM7. 4	1. 05E-06	-0. 26453	0. 148	0. 247	0. 015622	CSCL2	RBM7
SNAPIN. 4	1. 05E-06	0. 124925	0. 488	0. 372	0. 01565	CSCL2	SNAPIN
TRAF3IP3. 1	1. 05E-06	-0. 26009	0. 002	0. 054	0. 0157	CSCL2	TRAF3IP3
FIZ1. 3	1. 06E-06	0. 12902	0. 097	0. 047	0. 015832	CSCL2	FIZ1
PIM1. 7	1. 07E-06	0. 13992	0. 21	0. 127	0. 015959	CSCL2	PIM1
RP6-91H8. 1	1. 09E-06	-0. 2921	0. 004	0. 058	0. 016218	CSCL2	RP6-91H8. 3
YTHDF2. 9	1. 09E-06	0. 114455	0. 547	0. 426	0. 016257	CSCL2	YTHDF2
RP11-390E	1. 09E-06	0. 14908	0. 196	0. 121	0. 016291	CSCL2	RP11-390E23. 6
ARMC10. 9	1. 10E-06	0. 167035	0. 393	0. 293	0. 016458	CSCL2	ARMC10
SAMD14. 8	1. 14E-06	0. 118273	0. 119	0. 062	0. 016996	CSCL2	SAMD14
RP11-480C	1. 14E-06	-0. 28188	0	0. 05	0. 017102	CSCL2	RP11-480C22. 1
SAA2. 9	1. 15E-06	-0. 68241	0. 002	0. 054	0. 017185	CSCL2	SAA2
IL17RA. 13	1. 15E-06	-0. 2969	0. 049	0. 122	0. 017213	CSCL2	IL17RA
FXR1. 3	1. 16E-06	0. 192022	0. 426	0. 323	0. 017353	CSCL2	FXR1
SAMD1. 4	1. 17E-06	0. 168384	0. 168	0. 1	0. 017495	CSCL2	SAMD1
OCEL1. 6	1. 17E-06	-0. 22797	0. 075	0. 16	0. 017527	CSCL2	OCEL1
COPS5. 6	1. 17E-06	0. 136152	0. 534	0. 405	0. 017527	CSCL2	COPS5
TAPBPL. 8	1. 18E-06	-0. 17215	0. 049	0. 125	0. 017651	CSCL2	TAPBPL
PLEKHB1. 9	1. 18E-06	-0. 34258	0. 124	0. 216	0. 0177	CSCL2	PLEKHB1
TUBGCP4. 7	1. 18E-06	0. 159041	0. 194	0. 12	0. 017701	CSCL2	TUBGCP4
OSMR. 10	1. 20E-06	-0. 14715	0. 022	0. 087	0. 017871	CSCL2	OSMR
MAN1A1. 11	1. 20E-06	-0. 19362	0	0. 05	0. 017905	CSCL2	MAN1A1
GBAS. 8	1. 22E-06	0. 16349	0. 508	0. 396	0. 0182	CSCL2	GBAS
RAP1B. 8	1. 22E-06	-0. 21857	0. 344	0. 438	0. 018262	CSCL2	RAP1B
TMEM37. 8	1. 23E-06	-0. 27546	0. 009	0. 065	0. 018456	CSCL2	TMEM37
USP22. 12	1. 25E-06	0. 103407	0. 435	0. 315	0. 018673	CSCL2	USP22
RP11-192H	1. 25E-06	0. 128095	0. 183	0. 111	0. 018727	CSCL2	RP11-192H23. 6
ZNF207. 4	1. 25E-06	0. 157037	0. 585	0. 45	0. 018755	CSCL2	ZNF207
SIK1. 11	1. 27E-06	-0. 32663	0. 035	0. 103	0. 018926	CSCL2	SIK1
C15orf48. 1	1. 27E-06	-0. 33086	0. 013	0. 071	0. 018936	CSCL2	C15orf48
MT1G. 9	1. 29E-06	-0. 49277	0. 055	0. 131	0. 019287	CSCL2	MT1G
SETD6. 6	1. 30E-06	0. 14105	0. 152	0. 088	0. 019389	CSCL2	SETD6
PHF2. 1	1. 31E-06	0. 160222	0. 11	0. 057	0. 019523	CSCL2	PHF2
PRNP. 6	1. 31E-06	-0. 2298	0. 386	0. 469	0. 019541	CSCL2	PRNP
RP11-14N7	1. 32E-06	0. 113955	0. 291	0. 201	0. 019795	CSCL2	RP11-14N7. 2
ZNF385D. 1	1. 33E-06	-0. 14907	0. 04	0. 113	0. 019884	CSCL2	ZNF385D
AGAP1. 10	1. 34E-06	0. 129039	0. 19	0. 117	0. 02003	CSCL2	AGAP1
LDOC1L. 1C	1. 35E-06	0. 179238	0. 146	0. 084	0. 020115	CSCL2	LDOC1L

SDS. 13	1. 35E-06	-0. 32378	0. 007	0. 061	0. 020202	CSCL2	SDS
ASAP1. 8	1. 36E-06	0. 201101	0. 309	0. 224	0. 020273	CSCL2	ASAP1
SCAMP5. 9	1. 37E-06	0. 167465	0. 159	0. 093	0. 020428	CSCL2	SCAMP5
EAF2. 12	1. 38E-06	-0. 28004	0. 029	0. 095	0. 0206	CSCL2	EAF2
WIPF1. 13	1. 38E-06	-0. 39196	0. 137	0. 223	0. 02061	CSCL2	WIPF1
CNIH3. 10	1. 38E-06	-0. 12507	0. 086	0. 172	0. 020623	CSCL2	CNIH3
TTYH1. 13	1. 42E-06	0. 24397	0. 382	0. 263	0. 021216	CSCL2	TTYH1
PCBP4. 13	1. 45E-06	0. 14982	0. 353	0. 252	0. 021723	CSCL2	PCBP4
MBIP. 9	1. 47E-06	0. 114482	0. 267	0. 176	0. 022029	CSCL2	MBIP
NR1H2. 10	1. 49E-06	-0. 29976	0. 21	0. 307	0. 022271	CSCL2	NR1H2
GFPT1. 5	1. 51E-06	0. 163824	0. 159	0. 092	0. 022495	CSCL2	GFPT1
PARP10. 6	1. 53E-06	-0. 20038	0. 024	0. 089	0. 022928	CSCL2	PARP10
NUDT4. 5	1. 55E-06	0. 163543	0. 287	0. 2	0. 023129	CSCL2	NUDT4
CCNDBP1. 1	1. 57E-06	-0. 34338	0. 119	0. 208	0. 023485	CSCL2	CCNDBP1
DBR1. 3	1. 58E-06	0. 114426	0. 137	0. 076	0. 023557	CSCL2	DBR1
MAPK3. 5	1. 59E-06	-0. 28634	0. 117	0. 21	0. 023721	CSCL2	MAPK3
EXO5. 1	1. 59E-06	0. 105338	0. 051	0. 019	0. 023811	CSCL2	EXO5
ASXL1. 8	1. 60E-06	0. 190698	0. 254	0. 174	0. 023868	CSCL2	ASXL1
SMARCA1. 1	1. 60E-06	0. 199407	0. 247	0. 168	0. 023977	CSCL2	SMARCA1
VDAC2. 2	1. 62E-06	0. 12114	0. 77	0. 634	0. 024154	CSCL2	VDAC2
SLC9A3R2. 1	1. 62E-06	-0. 16485	0. 042	0. 115	0. 024234	CSCL2	SLC9A3R2
MTMR9. 8	1. 62E-06	0. 118296	0. 278	0. 186	0. 02426	CSCL2	MTMR9
SLC25A22. 1	1. 63E-06	0. 122894	0. 181	0. 11	0. 024348	CSCL2	SLC25A22
CERCAM. 1C	1. 63E-06	-0. 23201	0. 055	0. 132	0. 024397	CSCL2	CERCAM
KRCC1. 3	1. 64E-06	0. 111987	0. 322	0. 227	0. 024558	CSCL2	KRCC1
LYRM2. 6	1. 68E-06	0. 205489	0. 389	0. 29	0. 025074	CSCL2	LYRM2
PYCR1. 2	1. 69E-06	0. 141604	0. 097	0. 048	0. 025219	CSCL2	PYCR1
CSRNP1. 13	1. 69E-06	-0. 37596	0. 113	0. 194	0. 025243	CSCL2	CSRNP1
GABARAPL2	1. 69E-06	-0. 21948	0. 773	0. 742	0. 025318	CSCL2	GABARAPL2
APOO. 10	1. 70E-06	0. 231581	0. 311	0. 226	0. 025345	CSCL2	APOO
PTP4A1. 7	1. 70E-06	0. 163704	0. 521	0. 402	0. 025394	CSCL2	PTP4A1
PCNT. 2	1. 73E-06	0. 145895	0. 128	0. 07	0. 025846	CSCL2	PCNT
KIAA0556	1. 73E-06	0. 115231	0. 062	0. 025	0. 025884	CSCL2	KIAA0556
IGF2R. 6	1. 75E-06	-0. 1742	0. 031	0. 099	0. 02617	CSCL2	IGF2R
JAK1. 6	1. 76E-06	-0. 19838	0. 157	0. 256	0. 026264	CSCL2	JAK1
NFATC2. 1C	1. 77E-06	-0. 20739	0	0. 048	0. 026437	CSCL2	NFATC2
UBE2D4. 4	1. 78E-06	0. 155201	0. 274	0. 186	0. 0266	CSCL2	UBE2D4
MYL5. 4	1. 78E-06	-0. 20337	0. 031	0. 098	0. 026663	CSCL2	MYL5
CLASP1. 9	1. 78E-06	0. 116782	0. 212	0. 135	0. 026664	CSCL2	CLASP1
MARS. 5	1. 80E-06	0. 13568	0. 289	0. 203	0. 026959	CSCL2	MARS
SDC4. 7	1. 81E-06	-0. 19998	0. 031	0. 099	0. 027002	CSCL2	SDC4
SMAD5. 8	1. 82E-06	0. 165941	0. 247	0. 167	0. 027164	CSCL2	SMAD5
POLR3K. 6	1. 82E-06	0. 176633	0. 305	0. 218	0. 02726	CSCL2	POLR3K
DNASE1L1. 1	1. 83E-06	-0. 21598	0. 015	0. 075	0. 027306	CSCL2	DNASE1L1
IL4I1. 10	1. 84E-06	-0. 25067	0. 011	0. 067	0. 027453	CSCL2	IL4I1
PITPNA. 7	1. 86E-06	-0. 20268	0. 097	0. 185	0. 027744	CSCL2	PITPNA
CPSF7. 3	1. 86E-06	0. 15777	0. 272	0. 183	0. 027833	CSCL2	CPSF7
ITGB1BP1. 1	1. 89E-06	0. 117245	0. 506	0. 382	0. 02821	CSCL2	ITGB1BP1
LCLAT1. 1	1. 89E-06	0. 107068	0. 102	0. 051	0. 028252	CSCL2	LCLAT1
DIS3L. 5	1. 90E-06	0. 145713	0. 168	0. 1	0. 028342	CSCL2	DIS3L
HHEX. 13	1. 90E-06	-0. 25581	0. 007	0. 06	0. 02837	CSCL2	HHEX

RPAP2. 8	1. 91E-06	0. 14523	0. 267	0. 181	0. 028472	CSCL2	RPAP2
EFCAB14. 7	1. 91E-06	-0. 22227	0. 117	0. 207	0. 028612	CSCL2	EFCAB14
SLC25A44. 1	1. 93E-06	0. 136737	0. 157	0. 091	0. 028868	CSCL2	SLC25A44
HAGH. 8	1. 93E-06	0. 212981	0. 453	0. 349	0. 028892	CSCL2	HAGH
AMPD2. 7	1. 95E-06	-0. 27078	0. 075	0. 155	0. 029173	CSCL2	AMPD2
CCL20. 12	1. 96E-06	-0. 30522	0. 009	0. 063	0. 029296	CSCL2	CCL20
KBTBD11. 3	1. 97E-06	0. 103287	0. 062	0. 025	0. 029401	CSCL2	KBTBD11
HDAC6. 3	1. 97E-06	0. 147374	0. 181	0. 111	0. 029422	CSCL2	HDAC6
LAMB2. 7	1. 97E-06	-0. 18972	0. 031	0. 098	0. 029479	CSCL2	LAMB2
SYTL3. 11	1. 97E-06	-0. 30023	0. 011	0. 066	0. 029506	CSCL2	SYTL3
EML3. 6	1. 98E-06	-0. 16934	0. 044	0. 117	0. 029613	CSCL2	EML3
NQO1. 9	2. 03E-06	-0. 18222	0. 04	0. 111	0. 030352	CSCL2	NQO1
IL7R. 10	2. 05E-06	-0. 27828	0. 004	0. 055	0. 030702	CSCL2	IL7R
DLEU7. 12	2. 07E-06	-0. 23248	0. 002	0. 052	0. 030873	CSCL2	DLEU7
SHISA4. 11	2. 07E-06	-0. 27092	0. 157	0. 25	0. 030976	CSCL2	SHISA4
CHST10. 1C	2. 08E-06	0. 123072	0. 212	0. 136	0. 031144	CSCL2	CHST10
MAN2A1. 8	2. 09E-06	-0. 21055	0. 042	0. 113	0. 031219	CSCL2	MAN2A1
GBGT1. 12	2. 10E-06	-0. 18269	0. 002	0. 052	0. 031341	CSCL2	GBGT1
ROGDI. 6	2. 11E-06	-0. 24003	0. 139	0. 231	0. 031465	CSCL2	ROGDI
GSPT1. 9	2. 12E-06	0. 149149	0. 459	0. 344	0. 031667	CSCL2	GSPT1
C9orf116. 2	1. 6E-06	-0. 1148	0. 018	0. 078	0. 032346	CSCL2	C9orf116
CD300LF. 1	2. 17E-06	-0. 19531	0	0. 047	0. 032486	CSCL2	CD300LF
CNPY3. 12	2. 19E-06	-0. 42534	0. 351	0. 415	0. 032797	CSCL2	CNPY3
SEPHS2. 6	2. 20E-06	-0. 2408	0. 216	0. 317	0. 032848	CSCL2	SEPHS2
FGD2. 12	2. 22E-06	-0. 27632	0. 009	0. 063	0. 033149	CSCL2	FGD2
RNF19A. 12	2. 27E-06	-0. 27426	0. 119	0. 205	0. 033908	CSCL2	RNF19A
TLR5. 10	2. 28E-06	-0. 23843	0	0. 047	0. 034008	CSCL2	TLR5
GANAB. 7	2. 29E-06	0. 148446	0. 364	0. 269	0. 034189	CSCL2	GANAB
PHACTR1. 1	2. 30E-06	-0. 41331	0. 051	0. 12	0. 034325	CSCL2	PHACTR1
PRAM1. 11	2. 31E-06	-0. 23718	0. 004	0. 055	0. 034591	CSCL2	PRAM1
ZNF385A. 1	2. 35E-06	-0. 28878	0. 064	0. 14	0. 035123	CSCL2	ZNF385A
MTRNR2L1C	2. 35E-06	-0. 4996	0. 018	0. 076	0. 035159	CSCL2	MTRNR2L10
CXCL3. 9	2. 36E-06	-0. 18476	0. 015	0. 074	0. 035241	CSCL2	CXCL3
PMF1. 4	2. 37E-06	0. 108486	0. 422	0. 316	0. 035369	CSCL2	PMF1
RAB31. 11	2. 37E-06	-0. 29612	0. 4	0. 462	0. 035419	CSCL2	RAB31
CALM1. 12	2. 38E-06	0. 172898	0. 905	0. 766	0. 035511	CSCL2	CALM1
FARP1. 6	2. 44E-06	0. 140345	0. 267	0. 182	0. 036508	CSCL2	FARP1
SPAG9. 11	2. 45E-06	0. 143482	0. 461	0. 349	0. 036594	CSCL2	SPAG9
KANSL1-AS	2. 46E-06	-0. 22148	0. 108	0. 197	0. 036716	CSCL2	KANSL1-AS1
ORC3. 1	2. 47E-06	0. 187208	0. 17	0. 103	0. 036837	CSCL2	ORC3
PMAIP1. 12	2. 48E-06	-0. 35934	0. 024	0. 086	0. 037086	CSCL2	PMAIP1
RP11-262H	2. 51E-06	0. 109996	0. 188	0. 116	0. 037437	CSCL2	RP11-262H14. 4
CNRIP1. 1C	2. 55E-06	0. 173068	0. 287	0. 201	0. 038085	CSCL2	CNRIP1
NAGPA. 6	2. 55E-06	-0. 19523	0. 042	0. 112	0. 038133	CSCL2	NAGPA
RFX2. 5	2. 57E-06	0. 126054	0. 157	0. 093	0. 038343	CSCL2	RFX2
SNRPC. 4	2. 59E-06	0. 100626	0. 636	0. 507	0. 038714	CSCL2	SNRPC
PHF13. 4	2. 59E-06	0. 111622	0. 117	0. 063	0. 038767	CSCL2	PHF13
CAMSAP1. 3	2. 62E-06	0. 123752	0. 143	0. 082	0. 039183	CSCL2	CAMSAP1
PRKRIP1. 9	2. 63E-06	0. 114211	0. 331	0. 238	0. 0393	CSCL2	PRKRIP1
COX6B1. 6	2. 64E-06	-0. 16349	0. 843	0. 846	0. 039408	CSCL2	COX6B1
CDK2AP1. 5	2. 64E-06	0. 102065	0. 168	0. 101	0. 039508	CSCL2	CDK2AP1

CYFIP2.9	2.66E-06	0.17202	0.181	0.111	0.039796	CSCL2	CYFIP2
HK1.8	2.69E-06	-0.24741	0.113	0.199	0.040162	CSCL2	HK1
MINOS1.9	2.73E-06	-0.21727	0.631	0.64	0.040843	CSCL2	MINOS1
TMEM156.1	2.74E-06	-0.27167	0.007	0.058	0.040875	CSCL2	TMEM156
ELOVL2.12	2.74E-06	0.248147	0.159	0.095	0.040972	CSCL2	ELOVL2
CHDH.5	2.77E-06	0.100868	0.119	0.064	0.041467	CSCL2	CHDH
SNX20.12	2.80E-06	-0.18642	0	0.046	0.04178	CSCL2	SNX20
AC079922.2	2.80E-06	0.157874	0.077	0.036	0.04186	CSCL2	AC079922.3
DLX2.12	2.81E-06	0.144279	0.179	0.105	0.041953	CSCL2	DLX2
SPRED1.8	2.81E-06	-0.19365	0.117	0.204	0.041981	CSCL2	SPRED1
KANSL2.7	2.83E-06	0.110065	0.227	0.146	0.042273	CSCL2	KANSL2
MIR155HG.2	2.83E-06	-0.16767	0.007	0.059	0.042345	CSCL2	MIR155HG
MYO1E.4	2.84E-06	-0.15379	0.013	0.07	0.042367	CSCL2	MYO1E
IL17RC.6	2.84E-06	-0.12725	0.046	0.119	0.042453	CSCL2	IL17RC
USP36.9	2.85E-06	-0.28717	0.066	0.142	0.042601	CSCL2	USP36
SIGLEC14.2	2.86E-06	-0.21302	0	0.046	0.042746	CSCL2	SIGLEC14
TIMP3.9	2.86E-06	-0.15401	0.053	0.128	0.042799	CSCL2	TIMP3
MANBAL.13	2.87E-06	0.120288	0.442	0.33	0.042959	CSCL2	MANBAL
PPIF.10	2.88E-06	0.100746	0.32	0.217	0.043046	CSCL2	PPIF
XBP1.11	2.92E-06	-0.31624	0.296	0.374	0.043575	CSCL2	XBP1
ROB02.12	2.92E-06	0.176421	0.17	0.105	0.043707	CSCL2	ROB02
CAMK1.9	2.96E-06	-0.20156	0.141	0.229	0.044221	CSCL2	CAMK1
FAM20A.12	2.99E-06	-0.21957	0.009	0.062	0.044736	CSCL2	FAM20A
TYW1.5	3.02E-06	0.104508	0.188	0.116	0.045084	CSCL2	TYW1
GRB2.12	3.03E-06	-0.25016	0.417	0.483	0.045344	CSCL2	GRB2
RIN2.7	3.04E-06	-0.31772	0.057	0.129	0.045466	CSCL2	RIN2
TLR7.10	3.05E-06	-0.271	0.007	0.058	0.045536	CSCL2	TLR7
MLLT3.9	3.06E-06	0.162626	0.155	0.091	0.045748	CSCL2	MLLT3
FLI1.13	3.07E-06	-0.23442	0.004	0.054	0.04593	CSCL2	FLI1
RCCD1.3	3.08E-06	0.160512	0.106	0.055	0.046082	CSCL2	RCCD1
MTA1.10	3.11E-06	0.187476	0.269	0.187	0.046531	CSCL2	MTA1
IARS.8	3.14E-06	0.134092	0.296	0.207	0.046895	CSCL2	IARS
NR3C1.7	3.15E-06	0.128574	0.34	0.245	0.047056	CSCL2	NR3C1
MOB1A.13	3.16E-06	-0.32554	0.263	0.343	0.047263	CSCL2	MOB1A
SMCR5.8	3.18E-06	0.130883	0.152	0.089	0.047492	CSCL2	SMCR5
PPP2R2A.7	3.18E-06	0.105536	0.402	0.296	0.047519	CSCL2	PPP2R2A
VAX2.11	3.19E-06	0.130354	0.137	0.077	0.047621	CSCL2	VAX2
UBE3A.11	3.21E-06	0.139585	0.389	0.283	0.047977	CSCL2	UBE3A
KDELR3.5	3.21E-06	-0.11151	0.009	0.062	0.048001	CSCL2	KDELR3
BRPF1.1	3.24E-06	0.114265	0.108	0.057	0.048347	CSCL2	BRPF1
NPAT.3	3.24E-06	0.103786	0.139	0.079	0.048431	CSCL2	NPAT
SPN.13	3.25E-06	-0.23489	0.007	0.057	0.048503	CSCL2	SPN
MARCH6.11	3.29E-06	0.133245	0.464	0.353	0.049166	CSCL2	6-Mar
PSME3.6	3.29E-06	0.148315	0.313	0.223	0.049175	CSCL2	PSME3
ADM.11	3.29E-06	-0.38153	0.104	0.188	0.049207	CSCL2	ADM
CCDC57.12	3.31E-06	-0.26558	0.042	0.11	0.049481	CSCL2	CCDC57
FRMD6	3.34E-06	0.146752	0.062	0.026	0.049884	CSCL2	FRMD6
SPATA13.8	3.35E-06	-0.25843	0.086	0.168	0.050072	CSCL2	SPATA13
MYOF.8	3.36E-06	-0.17234	0	0.046	0.05016	CSCL2	MYOF
FAM200A.7	3.40E-06	0.107649	0.159	0.094	0.050751	CSCL2	FAM200A
NDN.12	3.41E-06	-0.17775	0.108	0.2	0.051027	CSCL2	NDN

OAS1. 8	3. 42E-06	-0. 19615	0. 057	0. 135	0. 051077	CSCL2	OAS1
AMPD3. 10	3. 42E-06	-0. 18354	0. 004	0. 054	0. 051077	CSCL2	AMPD3
PRKCH. 10	3. 43E-06	-0. 21657	0	0. 046	0. 051319	CSCL2	PRKCH
PRMT5. 10	3. 46E-06	0. 136395	0. 227	0. 148	0. 051653	CSCL2	PRMT5
VWA5A. 4	3. 46E-06	-0. 18872	0. 029	0. 092	0. 051674	CSCL2	VWA5A
IRF5. 13	3. 46E-06	-0. 24474	0. 009	0. 061	0. 051732	CSCL2	IRF5
ZSCAN32. 5	3. 47E-06	0. 100902	0. 119	0. 065	0. 051912	CSCL2	ZSCAN32
C19orf38. 3	3. 48E-06	-0. 23196	0. 002	0. 05	0. 051939	CSCL2	C19orf38
KLC1. 11	3. 52E-06	0. 134596	0. 475	0. 355	0. 05254	CSCL2	KLC1
MARCO. 9	3. 54E-06	-0. 36151	0. 009	0. 061	0. 052953	CSCL2	MARCO
ACP5. 11	3. 58E-06	-0. 21535	0. 002	0. 049	0. 053433	CSCL2	ACP5
RBM8A. 5	3. 58E-06	0. 102361	0. 731	0. 608	0. 053491	CSCL2	RBM8A
ARL13B. 8	3. 59E-06	0. 201454	0. 212	0. 14	0. 053707	CSCL2	ARL13B
FOPNL. 6	3. 60E-06	0. 123804	0. 274	0. 19	0. 053771	CSCL2	FOPNL
CHRN1. 8	3. 60E-06	-0. 26927	0. 073	0. 152	0. 053853	CSCL2	CHRN1
SLC16A10. 3	3. 60E-06	-0. 3739	0. 029	0. 089	0. 053856	CSCL2	SLC16A10
RERE. 10	3. 63E-06	0. 14285	0. 296	0. 207	0. 054176	CSCL2	RERE
PAF1. 3	3. 63E-06	0. 192146	0. 294	0. 207	0. 054237	CSCL2	PAF1
SYCE2. 1	3. 65E-06	0. 105054	0. 035	0. 011	0. 054479	CSCL2	SYCE2
ZC3H14. 8	3. 65E-06	0. 156954	0. 283	0. 2	0. 054488	CSCL2	ZC3H14
SDHC. 6	3. 66E-06	-0. 24124	0. 506	0. 559	0. 054645	CSCL2	SDHC
ATP5H. 5	3. 67E-06	-0. 22457	0. 645	0. 649	0. 054777	CSCL2	ATP5H
SLC39A11. 3	3. 67E-06	-0. 1763	0. 018	0. 075	0. 054879	CSCL2	SLC39A11
NPC1. 3	3. 72E-06	-0. 22765	0. 04	0. 107	0. 055659	CSCL2	NPC1
PRKRIR. 6	3. 74E-06	0. 147689	0. 172	0. 106	0. 055845	CSCL2	PRKRIR
P4HA2. 7	3. 76E-06	-0. 10415	0. 022	0. 083	0. 056211	CSCL2	P4HA2
CPE. 12	3. 78E-06	0. 107265	0. 528	0. 384	0. 056543	CSCL2	CPE
CEP170. 6	3. 82E-06	0. 177023	0. 353	0. 258	0. 057051	CSCL2	CEP170
SLC39A14. 3	3. 85E-06	-0. 23926	0. 033	0. 097	0. 057476	CSCL2	SLC39A14
C9orf3. 10	3. 85E-06	0. 165846	0. 17	0. 102	0. 057566	CSCL2	C9orf3
FBXO17. 13	3. 88E-06	0. 158223	0. 214	0. 141	0. 058028	CSCL2	FBXO17
MAPT. 11	3. 90E-06	0. 123043	0. 389	0. 281	0. 058314	CSCL2	MAPT
CPT1C. 8	3. 93E-06	0. 102319	0. 172	0. 102	0. 058756	CSCL2	CPT1C
RBM42. 8	3. 94E-06	0. 201938	0. 497	0. 382	0. 058831	CSCL2	RBM42
TRMT5. 3	3. 94E-06	0. 127363	0. 121	0. 066	0. 058838	CSCL2	TRMT5
PPP1CA. 9	3. 94E-06	-0. 26535	0. 547	0. 572	0. 058914	CSCL2	PPP1CA
CLECL1. 12	3. 97E-06	-0. 19164	0. 002	0. 049	0. 059327	CSCL2	CLECL1
PIK3R5. 12	4. 00E-06	-0. 19907	0. 002	0. 049	0. 059725	CSCL2	PIK3R5
AKAP1. 5	4. 04E-06	0. 11734	0. 19	0. 119	0. 060313	CSCL2	AKAP1
UBXN7. 3	4. 04E-06	0. 112665	0. 183	0. 114	0. 060432	CSCL2	UBXN7
HOMER3. 8	4. 05E-06	-0. 23802	0. 155	0. 245	0. 06045	CSCL2	HOMER3
DAPL1. 3	4. 06E-06	0. 198435	0. 102	0. 052	0. 060627	CSCL2	DAPL1
ZNF35. 3	4. 06E-06	0. 134588	0. 106	0. 056	0. 060657	CSCL2	ZNF35
TNFAIP8. 1	4. 09E-06	-0. 24434	0. 015	0. 072	0. 061094	CSCL2	TNFAIP8
ZC3H12A. 1	4. 10E-06	-0. 16594	0. 02	0. 078	0. 061196	CSCL2	ZC3H12A
ARPC5L. 9	4. 11E-06	0. 159648	0. 477	0. 365	0. 061399	CSCL2	ARPC5L
MSL1. 4	4. 12E-06	0. 102814	0. 234	0. 155	0. 061551	CSCL2	MSL1
AEN. 2	4. 17E-06	0. 170546	0. 146	0. 084	0. 062327	CSCL2	AEN
ACADM. 4	4. 18E-06	0. 137568	0. 428	0. 326	0. 062411	CSCL2	ACADM
SLC10A4. 1	4. 21E-06	0. 140915	0. 157	0. 094	0. 062955	CSCL2	SLC10A4
ACSF2. 7	4. 23E-06	-0. 18278	0. 013	0. 068	0. 063182	CSCL2	ACSF2

CSTF2.1	4.24E-06	0.12889	0.119	0.065	0.063325	CSCL2	CSTF2
AC114730.	4.26E-06	0.152161	0.064	0.027	0.06369	CSCL2	AC114730.3
NUCB1.12	4.32E-06	-0.24923	0.364	0.448	0.064494	CSCL2	NUCB1
MCHR1.9	4.41E-06	-0.10523	0.009	0.061	0.065903	CSCL2	MCHR1
ZNF71.7	4.42E-06	0.132201	0.143	0.082	0.066081	CSCL2	ZNF71
TMEM47.1C	4.46E-06	0.143805	0.135	0.078	0.06663	CSCL2	TMEM47
KCTD5.7	4.46E-06	0.145691	0.294	0.204	0.066688	CSCL2	KCTD5
ENDOD1.11	4.47E-06	-0.13921	0.068	0.147	0.066782	CSCL2	ENDOD1
AKIRIN2.9	4.52E-06	0.156434	0.488	0.377	0.067609	CSCL2	AKIRIN2
ARSA.9	4.53E-06	-0.2947	0.064	0.138	0.067669	CSCL2	ARSA
PTGS2.12	4.56E-06	-0.24809	0.011	0.063	0.068217	CSCL2	PTGS2
OLFML2B.1	4.57E-06	-0.28943	0.015	0.07	0.068332	CSCL2	OLFML2B
TMEM161B.	4.72E-06	0.109963	0.117	0.064	0.070492	CSCL2	TMEM161B
RAB7A.4	4.73E-06	-0.18162	0.647	0.659	0.07075	CSCL2	RAB7A
SEC11A.11	4.74E-06	-0.27407	0.565	0.592	0.070823	CSCL2	SEC11A
LSM6.6	4.75E-06	0.125016	0.435	0.327	0.070926	CSCL2	LSM6
TRIM11.3	4.77E-06	0.105812	0.159	0.095	0.071303	CSCL2	TRIM11
SEC24D.5	4.79E-06	-0.17694	0.031	0.094	0.071549	CSCL2	SEC24D
LRP1.5	4.81E-06	-0.32785	0.272	0.353	0.071928	CSCL2	LRP1
SLC9A9.11	4.82E-06	-0.27102	0.022	0.08	0.07208	CSCL2	SLC9A9
CLEC4A.13	4.83E-06	-0.25405	0.011	0.063	0.072133	CSCL2	CLEC4A
COPZ2.5	4.83E-06	-0.10279	0.007	0.057	0.072208	CSCL2	COPZ2
KCNF1.13	4.87E-06	-0.18093	0.055	0.126	0.07283	CSCL2	KCNF1
GALM.11	4.88E-06	-0.27826	0.057	0.127	0.072965	CSCL2	GALM
ZNF639.11	4.88E-06	0.148465	0.205	0.134	0.072966	CSCL2	ZNF639
SNX16.1	4.88E-06	0.201266	0.102	0.052	0.072969	CSCL2	SNX16
TCF3.9	4.89E-06	0.140093	0.194	0.127	0.073119	CSCL2	TCF3
KLF2.8	4.94E-06	-0.36683	0.064	0.134	0.073825	CSCL2	KLF2
TTL5.2	4.99E-06	0.114956	0.102	0.053	0.074525	CSCL2	TTL5
CRELD1.3	5.02E-06	-0.22787	0.093	0.176	0.075059	CSCL2	CRELD1
BASP1.11	5.12E-06	0.160999	0.475	0.368	0.076533	CSCL2	BASP1
LGALS8.7	5.16E-06	-0.15441	0.075	0.155	0.077064	CSCL2	LGALS8
GNL1.6	5.17E-06	0.140162	0.327	0.239	0.077281	CSCL2	GNL1
DVL3.7	5.19E-06	0.138907	0.225	0.151	0.077507	CSCL2	DVL3
TRAPPC3.4	5.25E-06	-0.32234	0.364	0.44	0.078513	CSCL2	TRAPPC3
MRE11A.2	5.26E-06	0.16748	0.102	0.052	0.078597	CSCL2	MRE11A
YY1.9	5.27E-06	0.124677	0.45	0.336	0.07878	CSCL2	YY1
NAALAD2	5.28E-06	0.101879	0.029	0.008	0.078899	CSCL2	NAALAD2
ADNP.11	5.30E-06	0.2001	0.272	0.19	0.079137	CSCL2	ADNP
EXOSC3.5	5.33E-06	0.180017	0.232	0.157	0.079646	CSCL2	EXOSC3
TES.13	5.35E-06	-0.22813	0.002	0.048	0.079939	CSCL2	TES
MAP1A.11	5.37E-06	0.114252	0.318	0.226	0.080218	CSCL2	MAP1A
PRKCB.12	5.42E-06	-0.16994	0	0.044	0.081	CSCL2	PRKCB
ORMDL3.7	5.45E-06	0.102211	0.196	0.124	0.081417	CSCL2	ORMDL3
NDUFA13.7	5.53E-06	-0.25349	0.762	0.772	0.082651	CSCL2	NDUFA13
CFLAR.9	5.53E-06	-0.32669	0.234	0.322	0.082675	CSCL2	CFLAR
MPEG1.11	5.55E-06	-0.1789	0	0.044	0.082868	CSCL2	MPEG1
SMCHD1.1C	5.57E-06	0.137703	0.265	0.184	0.083201	CSCL2	SMCHD1
BYSL.9	5.59E-06	0.109528	0.17	0.105	0.083498	CSCL2	BYSL
ALDH3B1.9	5.65E-06	-0.19652	0.018	0.074	0.084418	CSCL2	ALDH3B1
PROS1.3	5.68E-06	-0.14348	0.031	0.094	0.084933	CSCL2	PROS1

MAST2.4	5.70E-06	0.149379	0.121	0.068	0.085215	CSCL2	MAST2
FAM198B.9	5.76E-06	-0.2155	0.011	0.063	0.086121	CSCL2	FAM198B
MTHFS.9	5.79E-06	-0.29388	0.11	0.192	0.08657	CSCL2	MTHFS
MED17.7	5.85E-06	0.112227	0.272	0.186	0.087465	CSCL2	MED17
PEX11G.3	5.90E-06	-0.12655	0.018	0.074	0.08815	CSCL2	PEX11G
RCN1.13	5.97E-06	0.179178	0.464	0.35	0.089141	CSCL2	RCN1
NAA15.6	6.02E-06	0.110409	0.298	0.212	0.089952	CSCL2	NAA15
PDGFB.10	6.07E-06	-0.22517	0.002	0.047	0.090667	CSCL2	PDGFB
ZMYND15.8	6.09E-06	-0.17909	0.009	0.059	0.091009	CSCL2	ZMYND15
GTF2H2.9	6.09E-06	0.185223	0.26	0.181	0.091065	CSCL2	GTF2H2
NFKB2.11	6.14E-06	-0.1811	0.011	0.063	0.091735	CSCL2	NFKB2
GIMAP2.11	6.21E-06	-0.28456	0.022	0.079	0.092872	CSCL2	GIMAP2
MGST3.6	6.25E-06	-0.28685	0.669	0.694	0.093464	CSCL2	MGST3
ARHGEF3.3	6.32E-06	-0.2043	0.042	0.109	0.094412	CSCL2	ARHGEF3
HBS1L.7	6.32E-06	0.169143	0.269	0.188	0.094519	CSCL2	HBS1L
SNF8.10	6.35E-06	0.127573	0.576	0.455	0.094928	CSCL2	SNF8
PIP4K2A.9	6.36E-06	-0.31677	0.068	0.14	0.095088	CSCL2	PIP4K2A
VPS45.6	6.39E-06	0.160917	0.243	0.166	0.095474	CSCL2	VPS45
STIP1.8	6.43E-06	0.110543	0.479	0.367	0.096018	CSCL2	STIP1
TCN2.8	6.50E-06	-0.23546	0.038	0.102	0.097071	CSCL2	TCN2
MBD3.6	6.50E-06	0.176113	0.234	0.161	0.097096	CSCL2	MBD3
SREBF1.5	6.56E-06	-0.22835	0.051	0.119	0.098008	CSCL2	SREBF1
IKBKE.11	6.56E-06	-0.20897	0.009	0.058	0.098035	CSCL2	IKBKE
ARVCF.9	6.59E-06	0.101337	0.102	0.053	0.098408	CSCL2	ARVCF
CTD-2090I	6.62E-06	-0.448	0.007	0.055	0.098968	CSCL2	CTD-2090I13.1
CMKLR1.11	6.67E-06	-0.2014	0.004	0.051	0.099635	CSCL2	CMKLR1
ARFGAP2.7	6.72E-06	0.115876	0.389	0.288	0.100364	CSCL2	ARFGAP2
GRPEL2.1	6.72E-06	0.117961	0.106	0.056	0.100411	CSCL2	GRPEL2
ABCF2.8	6.73E-06	0.106207	0.3	0.212	0.100519	CSCL2	ABCF2
XAB2.4	6.84E-06	0.12287	0.258	0.174	0.102263	CSCL2	XAB2
STUB1.9	6.86E-06	0.176833	0.594	0.455	0.102544	CSCL2	STUB1
C1RL.5	6.90E-06	-0.22546	0.009	0.058	0.103116	CSCL2	C1RL
RP11-379H	6.92E-06	0.114985	0.124	0.07	0.10337	CSCL2	RP11-379H18.1
ATP5B.8	6.97E-06	0.108585	0.883	0.771	0.104125	CSCL2	ATP5B
DHRS1.3	6.98E-06	-0.2554	0.079	0.157	0.104359	CSCL2	DHRS1
MFS10.7	6.99E-06	-0.27938	0.216	0.305	0.104392	CSCL2	MFS10
LRP6.11	7.02E-06	0.158198	0.174	0.109	0.104947	CSCL2	LRP6
SAMD4B.8	7.05E-06	0.11154	0.309	0.219	0.105322	CSCL2	SAMD4B
ZBTB49	7.05E-06	0.123986	0.066	0.029	0.105362	CSCL2	ZBTB49
SLC6A6.5	7.11E-06	-0.23337	0.013	0.065	0.106324	CSCL2	SLC6A6
PSTPIP1.1	7.12E-06	-0.18422	0	0.043	0.106473	CSCL2	PSTPIP1
SYNE1.5	7.13E-06	0.1142	0.19	0.12	0.106527	CSCL2	SYNE1
ZMIZ1.4	7.14E-06	0.107979	0.212	0.136	0.106699	CSCL2	ZMIZ1
SOD1.7	7.14E-06	-0.22013	0.762	0.756	0.106701	CSCL2	SOD1
EHBP1L1.1	7.17E-06	-0.16977	0.018	0.073	0.107077	CSCL2	EHBP1L1
FAM84B.9	7.34E-06	0.143749	0.143	0.085	0.109674	CSCL2	FAM84B
C11orf54.	7.38E-06	0.150916	0.181	0.112	0.110241	CSCL2	C11orf54
DOT1L.3	7.39E-06	0.126385	0.132	0.077	0.110404	CSCL2	DOT1L
GCAT.11	7.56E-06	0.239765	0.23	0.158	0.112973	CSCL2	GCAT
BCL2L1.6	7.57E-06	-0.25714	0.177	0.267	0.113118	CSCL2	BCL2L1
PDLIM1.9	7.61E-06	0.10573	0.126	0.071	0.113674	CSCL2	PDLIM1



DENND2D. 8	7. 64E-06	-0. 19378	0. 002	0. 047	0. 114099	CSCL2	DENND2D
DHCR7. 11	7. 65E-06	-0. 17587	0. 097	0. 181	0. 114359	CSCL2	DHCR7
CHP1. 9	7. 71E-06	-0. 26618	0. 155	0. 238	0. 115148	CSCL2	CHP1
LRMP. 11	7. 71E-06	-0. 20399	0. 002	0. 046	0. 115285	CSCL2	LRMP
RGS12. 10	7. 80E-06	0. 103303	0. 369	0. 267	0. 116603	CSCL2	RGS12
ZNF439. 11	7. 85E-06	0. 173994	0. 216	0. 145	0. 117251	CSCL2	ZNF439
INPPL1. 7	7. 97E-06	-0. 21202	0. 053	0. 122	0. 119157	CSCL2	INPPL1
CHRA1. 8	8. 03E-06	0. 147989	0. 219	0. 141	0. 119963	CSCL2	CHRA1
TIMM21. 4	8. 03E-06	0. 143361	0. 216	0. 144	0. 119971	CSCL2	TIMM21
VAT1. 6	8. 08E-06	-0. 26587	0. 121	0. 205	0. 1208	CSCL2	VAT1
SGTA. 8	8. 10E-06	0. 164513	0. 413	0. 312	0. 121028	CSCL2	SGTA
POLR2K. 6	8. 14E-06	0. 144891	0. 596	0. 485	0. 12161	CSCL2	POLR2K
PSMC6. 6	8. 18E-06	0. 153222	0. 499	0. 383	0. 122314	CSCL2	PSMC6
LRP11. 2	8. 19E-06	0. 128377	0. 091	0. 046	0. 122418	CSCL2	LRP11
TFEC. 13	8. 20E-06	-0. 21774	0. 009	0. 058	0. 122502	CSCL2	TFEC
DIRAS3. 1C	8. 31E-06	-0. 3903	0. 057	0. 126	0. 124195	CSCL2	DIRAS3
WIZ. 7	8. 39E-06	0. 113851	0. 172	0. 108	0. 125448	CSCL2	WIZ
EIF2B1. 6	8. 44E-06	0. 182986	0. 371	0. 279	0. 126183	CSCL2	EIF2B1
TTC32. 6	8. 45E-06	0. 146107	0. 219	0. 146	0. 126332	CSCL2	TTC32
MED24. 9	8. 45E-06	0. 147579	0. 243	0. 165	0. 126347	CSCL2	MED24
TMBIM4. 9	8. 59E-06	-0. 57391	0. 011	0. 061	0. 128384	CSCL2	TMBIM4
RNASEH2C. 8	6. 0E-06	0. 130382	0. 477	0. 369	0. 128457	CSCL2	RNASEH2C
SLC25A17. 8	6. 0E-06	0. 11557	0. 23	0. 154	0. 128498	CSCL2	SLC25A17
HAGHL. 3	8. 65E-06	-0. 16858	0. 042	0. 107	0. 129327	CSCL2	HAGHL
DUSP10. 3	8. 66E-06	0. 100191	0. 265	0. 176	0. 129431	CSCL2	DUSP10
EIF3K. 10	8. 82E-06	-0. 21882	0. 735	0. 759	0. 131853	CSCL2	EIF3K
MTRNR2L12. 8	8. 4E-06	-0. 67383	0. 124	0. 199	0. 132088	CSCL2	MTRNR2L12
DID01. 8	8. 84E-06	0. 141566	0. 216	0. 145	0. 132127	CSCL2	DID01
GSKIP. 1	8. 90E-06	0. 103608	0. 221	0. 145	0. 132933	CSCL2	GSKIP
DUSP4. 10	8. 95E-06	-0. 21434	0. 102	0. 183	0. 133712	CSCL2	DUSP4
TRPM2. 13	8. 95E-06	-0. 21687	0. 007	0. 054	0. 133748	CSCL2	TRPM2
SMARCA5. 1	9. 01E-06	0. 158637	0. 442	0. 345	0. 134623	CSCL2	SMARCA5
SLC7A5. 11	9. 02E-06	-0. 35257	0. 073	0. 141	0. 134769	CSCL2	SLC7A5
SF3B2. 8	9. 03E-06	0. 102739	0. 66	0. 519	0. 134962	CSCL2	SF3B2
C17orf58. 9	9. 05E-06	0. 180501	0. 26	0. 183	0. 135305	CSCL2	C17orf58
CECR5. 8	9. 24E-06	0. 178724	0. 336	0. 248	0. 13809	CSCL2	CECR5
GALK1. 9	9. 25E-06	-0. 17325	0. 121	0. 207	0. 138192	CSCL2	GALK1
CD46. 4	9. 36E-06	-0. 24079	0. 148	0. 237	0. 139943	CSCL2	CD46
DOCK5. 12	9. 44E-06	-0. 24334	0. 009	0. 057	0. 141048	CSCL2	DOCK5
HVCN1. 10	9. 45E-06	-0. 29086	0. 038	0. 099	0. 141277	CSCL2	HVCN1
SUMF1. 5	9. 53E-06	-0. 18459	0. 066	0. 14	0. 142418	CSCL2	SUMF1
ATP1A2. 9	9. 60E-06	0. 174872	0. 113	0. 06	0. 143441	CSCL2	ATP1A2
NEDD9. 10	9. 60E-06	-0. 27327	0. 141	0. 224	0. 143456	CSCL2	NEDD9
PDCD2. 10	9. 63E-06	0. 226955	0. 386	0. 291	0. 143935	CSCL2	PDCD2
PLCG2. 10	9. 66E-06	-0. 22438	0. 004	0. 049	0. 144366	CSCL2	PLCG2
APLP2. 11	9. 67E-06	-0. 18004	0. 565	0. 594	0. 14445	CSCL2	APLP2
TMEM255B. 9	9. 77E-06	-0. 25971	0. 009	0. 057	0. 145996	CSCL2	TMEM255B
RBM6. 6	9. 83E-06	0. 100424	0. 411	0. 309	0. 146901	CSCL2	RBM6
CRYL1. 4	9. 92E-06	-0. 32151	0. 227	0. 313	0. 148293	CSCL2	CRYL1
STAT5A. 9	9. 96E-06	-0. 14578	0. 007	0. 054	0. 148808	CSCL2	STAT5A
EFNA2. 10	9. 97E-06	0. 114804	0. 095	0. 049	0. 148961	CSCL2	EFNA2

CNPY4. 8	1. 00E-05	0. 11211	0. 174	0. 11	0. 150047	CSCL2	CNPY4
DNAJC3. 7	1. 00E-05	-0. 26114	0. 212	0. 295	0. 150181	CSCL2	DNAJC3
NQO2. 6	1. 01E-05	-0. 25887	0. 166	0. 256	0. 150612	CSCL2	NQO2
CERS2. 6	1. 02E-05	-0. 27142	0. 15	0. 234	0. 151897	CSCL2	CERS2
XPO7. 2	1. 02E-05	0. 148526	0. 157	0. 096	0. 152363	CSCL2	XPO7
HSD17B8. 4	1. 02E-05	-0. 19416	0. 038	0. 1	0. 153079	CSCL2	HSD17B8
TSPAN15. 1	1. 03E-05	-0. 27215	0. 024	0. 08	0. 153176	CSCL2	TSPAN15
ADAMTS6. 8	1. 03E-05	0. 18288	0. 113	0. 064	0. 153399	CSCL2	ADAMTS6
ANAPC13. 1	1. 03E-05	0. 111725	0. 457	0. 35	0. 153862	CSCL2	ANAPC13
KCTD1. 9	1. 04E-05	0. 190499	0. 113	0. 062	0. 155447	CSCL2	KCTD1
KCNK6. 10	1. 05E-05	-0. 18393	0	0. 041	0. 156776	CSCL2	KCNK6
RECQL. 7	1. 06E-05	0. 130897	0. 249	0. 169	0. 158211	CSCL2	RECQL
ZFHx4. 12	1. 07E-05	0. 137441	0. 221	0. 149	0. 159773	CSCL2	ZFHx4
HEBP1. 8	1. 07E-05	-0. 2456	0. 113	0. 192	0. 160295	CSCL2	HEBP1
RIC8A. 8	1. 09E-05	0. 109221	0. 38	0. 282	0. 162557	CSCL2	RIC8A
RPUSD4. 2	1. 09E-05	0. 107524	0. 159	0. 096	0. 163041	CSCL2	RPUSD4
PWWP2A. 8	1. 10E-05	0. 163248	0. 192	0. 124	0. 163896	CSCL2	PWWP2A
NRP1. 10	1. 12E-05	-0. 17909	0. 091	0. 169	0. 166975	CSCL2	NRP1
ATP6V1E1. 1	1. 12E-05	-0. 27232	0. 355	0. 436	0. 166977	CSCL2	ATP6V1E1
ADPGK. 12	1. 12E-05	-0. 31019	0. 183	0. 264	0. 167477	CSCL2	ADPGK
PPFIBP1. 1	1. 12E-05	-0. 13046	0. 082	0. 159	0. 167565	CSCL2	PPFIBP1
TMEM52B. 1	1. 13E-05	-0. 22797	0. 004	0. 049	0. 168534	CSCL2	TMEM52B
RNFT2. 10	1. 13E-05	0. 169181	0. 117	0. 067	0. 16875	CSCL2	RNFT2
RP11-629G	1. 14E-05	0. 11818	0. 051	0. 02	0. 17092	CSCL2	RP11-629G13. 1
AGK. 4	1. 15E-05	0. 167624	0. 159	0. 097	0. 172193	CSCL2	AGK
AC093323. 1	1. 15E-05	0. 122173	0. 152	0. 093	0. 172554	CSCL2	AC093323. 3
ARHGEF9. 8	1. 16E-05	0. 158034	0. 183	0. 117	0. 172815	CSCL2	ARHGEF9
AKNA. 10	1. 16E-05	-0. 19563	0. 02	0. 074	0. 17298	CSCL2	AKNA
SEMA4D. 12	1. 16E-05	-0. 27722	0. 026	0. 083	0. 173518	CSCL2	SEMA4D
ELK3. 7	1. 16E-05	-0. 18303	0. 031	0. 091	0. 173541	CSCL2	ELK3
ARNT2. 12	1. 16E-05	0. 167696	0. 17	0. 109	0. 173895	CSCL2	ARNT2
CCDC88B. 5	1. 17E-05	-0. 23776	0. 026	0. 084	0. 17436	CSCL2	CCDC88B
ZFP62. 1	1. 17E-05	0. 135857	0. 141	0. 084	0. 174393	CSCL2	ZFP62
POMC. 11	1. 17E-05	-0. 21001	0. 004	0. 049	0. 1749	CSCL2	POMC
PDLIM2. 8	1. 18E-05	-0. 22733	0. 155	0. 244	0. 176602	CSCL2	PDLIM2
ALG3. 5	1. 18E-05	-0. 29338	0. 15	0. 235	0. 177028	CSCL2	ALG3
MBOAT7. 1C	1. 19E-05	-0. 14283	0. 157	0. 246	0. 177291	CSCL2	MBOAT7
RIC8B. 7	1. 19E-05	0. 166167	0. 15	0. 091	0. 177878	CSCL2	RIC8B
ATP8B4. 11	1. 20E-05	-0. 18911	0. 002	0. 045	0. 178696	CSCL2	ATP8B4
CPPED1. 13	1. 20E-05	-0. 23757	0. 018	0. 07	0. 179541	CSCL2	CPPED1
PLA2G15. 1	1. 21E-05	-0. 27308	0. 071	0. 141	0. 18118	CSCL2	PLA2G15
PRR5. 10	1. 23E-05	-0. 17893	0. 004	0. 049	0. 183553	CSCL2	PRR5
SH3GLB1. 8	1. 23E-05	-0. 25885	0. 366	0. 432	0. 183695	CSCL2	SH3GLB1
NFKB1. 10	1. 24E-05	-0. 25793	0. 044	0. 106	0. 184972	CSCL2	NFKB1
GCSH. 12	1. 25E-05	0. 198321	0. 464	0. 342	0. 186286	CSCL2	GCSH
POM121C. 7	1. 25E-05	0. 122077	0. 21	0. 138	0. 187525	CSCL2	POM121C
ARL11. 12	1. 26E-05	-0. 18034	0	0. 04	0. 188053	CSCL2	ARL11
GIMAP7. 1C	1. 26E-05	-0. 22501	0. 009	0. 056	0. 188583	CSCL2	GIMAP7
KLHL6. 12	1. 28E-05	-0. 24446	0. 007	0. 052	0. 191567	CSCL2	KLHL6
ISCU. 7	1. 29E-05	-0. 25004	0. 53	0. 568	0. 192785	CSCL2	ISCU
RABGAP1L. 1	1. 29E-05	-0. 26768	0. 049	0. 112	0. 192848	CSCL2	RABGAP1L

SSPN. 5	1. 30E-05	-0. 18041	0. 044	0. 108	0. 194191	CSCL2	SSPN
LMAN2L. 8	1. 31E-05	0. 208678	0. 174	0. 111	0. 196209	CSCL2	LMAN2L
QPCT. 7	1. 32E-05	-0. 18355	0. 004	0. 049	0. 197165	CSCL2	QPCT
ABHD15. 1C	1. 32E-05	-0. 1896	0. 011	0. 059	0. 197171	CSCL2	ABHD15
STRBP. 11	1. 34E-05	0. 156386	0. 19	0. 124	0. 200154	CSCL2	STRBP
FAM214B. 4	1. 34E-05	-0. 16087	0. 053	0. 121	0. 200358	CSCL2	FAM214B
GIMAP6. 11	1. 34E-05	-0. 19826	0. 002	0. 044	0. 200554	CSCL2	GIMAP6
PUM2. 3	1. 35E-05	0. 131663	0. 223	0. 152	0. 201187	CSCL2	PUM2
MAX. 5	1. 36E-05	-0. 32864	0. 212	0. 298	0. 202758	CSCL2	MAX
MFSD12. 1C	1. 37E-05	-0. 24421	0. 115	0. 194	0. 203989	CSCL2	MFSD12
NDUF6. 1	1. 37E-05	0. 188858	0. 252	0. 178	0. 204632	CSCL2	NDUF6
C10orf10. 1	1. 37E-05	-0. 19827	0. 033	0. 093	0. 205211	CSCL2	C10orf10
C4orf48. 8	1. 39E-05	-0. 20177	0. 492	0. 527	0. 206993	CSCL2	C4orf48
UGGT1. 2	1. 39E-05	0. 104513	0. 172	0. 108	0. 207379	CSCL2	UGGT1
BAG3. 8	1. 43E-05	-0. 22483	0. 046	0. 11	0. 213057	CSCL2	BAG3
DVL2. 10	1. 45E-05	0. 115335	0. 247	0. 174	0. 216146	CSCL2	DVL2
PRPS1. 5	1. 46E-05	0. 110261	0. 269	0. 187	0. 21758	CSCL2	PRPS1
SPHK2. 7	1. 47E-05	0. 144296	0. 192	0. 126	0. 220047	CSCL2	SPHK2
GRIA3. 9	1. 48E-05	0. 180668	0. 241	0. 165	0. 220458	CSCL2	GRIA3
ZNF581. 7	1. 49E-05	-0. 25453	0. 099	0. 176	0. 222331	CSCL2	ZNF581
SAMD9L. 5	1. 50E-05	-0. 17978	0. 04	0. 102	0. 22362	CSCL2	SAMD9L
SPG21. 9	1. 53E-05	-0. 25099	0. 309	0. 388	0. 228091	CSCL2	SPG21
NKG7. 10	1. 54E-05	-0. 25645	0. 007	0. 052	0. 229918	CSCL2	NKG7
KITLG. 5	1. 55E-05	0. 122148	0. 082	0. 041	0. 23175	CSCL2	KITLG
C19orf53. 1	1. 57E-05	-0. 20846	0. 706	0. 682	0. 234051	CSCL2	C19orf53
APOL6. 4	1. 58E-05	-0. 15768	0. 035	0. 096	0. 236336	CSCL2	APOL6
EFHD2. 12	1. 59E-05	-0. 2611	0. 132	0. 213	0. 237021	CSCL2	EFHD2
TRIM37. 1C	1. 59E-05	0. 149999	0. 216	0. 147	0. 238159	CSCL2	TRIM37
PNPLA6. 6	1. 61E-05	-0. 20523	0. 093	0. 169	0. 240994	CSCL2	PNPLA6
ITFG1. 7	1. 61E-05	0. 122004	0. 444	0. 345	0. 241287	CSCL2	ITFG1
LYVE1. 11	1. 62E-05	-0. 30531	0	0. 04	0. 241451	CSCL2	LYVE1
ANKRD17. 9	1. 63E-05	0. 18576	0. 291	0. 214	0. 243639	CSCL2	ANKRD17
TNRC6C. 11	1. 64E-05	0. 12674	0. 245	0. 169	0. 245824	CSCL2	TNRC6C
ADRB2. 11	1. 65E-05	-0. 23144	0. 004	0. 047	0. 246005	CSCL2	ADRB2
MTHFD1L. 1	1. 65E-05	-0. 21547	0. 068	0. 138	0. 246158	CSCL2	MTHFD1L
MESP1. 9	1. 65E-05	0. 264137	0. 19	0. 129	0. 246192	CSCL2	MESP1
CALHM2. 1C	1. 67E-05	-0. 19678	0. 013	0. 062	0. 24996	CSCL2	CALHM2
VAPB. 8	1. 68E-05	0. 198329	0. 269	0. 194	0. 251467	CSCL2	VAPB
ARHGAP26. 1	1. 68E-05	-0. 22604	0. 035	0. 094	0. 251675	CSCL2	ARHGAP26
C9orf40. 2	1. 70E-05	0. 12079	0. 088	0. 046	0. 253914	CSCL2	C9orf40
ORC4. 10	1. 70E-05	0. 128775	0. 318	0. 231	0. 254763	CSCL2	ORC4
ERGIC1. 3	1. 74E-05	-0. 21342	0. 203	0. 293	0. 260313	CSCL2	ERGIC1
WBP1L. 10	1. 75E-05	-0. 20851	0. 049	0. 112	0. 261539	CSCL2	WBP1L
WASF1. 8	1. 75E-05	0. 118285	0. 152	0. 092	0. 262162	CSCL2	WASF1
DDX46. 7	1. 77E-05	0. 118548	0. 545	0. 443	0. 263871	CSCL2	DDX46
DST. 11	1. 78E-05	-0. 26161	0. 318	0. 379	0. 265388	CSCL2	DST
ATF7IP2. 1	1. 78E-05	-0. 20115	0. 002	0. 043	0. 265994	CSCL2	ATF7IP2
KHK. 2	1. 78E-05	0. 123434	0. 135	0. 08	0. 266348	CSCL2	KHK
ZSCAN18. 8	1. 79E-05	0. 102236	0. 318	0. 228	0. 266756	CSCL2	ZSCAN18
YIPF1. 3	1. 79E-05	-0. 26617	0. 106	0. 183	0. 267183	CSCL2	YIPF1
C12orf75. 1	1. 79E-05	0. 160415	0. 272	0. 19	0. 267388	CSCL2	C12orf75

BCL3. 8	1. 80E-05	-0. 13528	0. 024	0. 079	0. 268296	CSCL2	BCL3
CD1D. 11	1. 81E-05	-0. 201	0	0. 039	0. 270484	CSCL2	CD1D
BPTF. 10	1. 81E-05	0. 156381	0. 404	0. 307	0. 270973	CSCL2	BPTF
ATP6VOD1.	1. 82E-05	-0. 27869	0. 466	0. 512	0. 271306	CSCL2	ATP6VOD1
ADCY7. 13	1. 85E-05	-0. 22075	0. 015	0. 065	0. 275735	CSCL2	ADCY7
CHMP4B. 9	1. 85E-05	-0. 20847	0. 415	0. 456	0. 276501	CSCL2	CHMP4B
CRYBB1. 11	1. 85E-05	-0. 21038	0. 002	0. 043	0. 276532	CSCL2	CRYBB1
C17orf62.	1. 87E-05	-0. 30593	0. 302	0. 371	0. 279145	CSCL2	C17orf62
FLOT1. 12	1. 87E-05	-0. 18723	0. 446	0. 505	0. 279163	CSCL2	FLOT1
MLST8. 9	1. 89E-05	0. 110069	0. 316	0. 233	0. 281724	CSCL2	MLST8
NCOA5. 3	1. 90E-05	0. 122797	0. 135	0. 08	0. 284199	CSCL2	NCOA5
TMSB10. 1C	1. 92E-05	-0. 21314	0. 956	0. 965	0. 287012	CSCL2	TMSB10
SYNJ2. 7	1. 93E-05	-0. 1239	0. 004	0. 047	0. 288865	CSCL2	SYNJ2
XIST. 13	1. 95E-05	-0. 22301	0. 172	0. 27	0. 292058	CSCL2	XIST
FAM129B. 9	1. 96E-05	-0. 15203	0. 022	0. 075	0. 292155	CSCL2	FAM129B
SRR. 10	1. 96E-05	0. 152994	0. 219	0. 151	0. 293296	CSCL2	SRR
LSG1. 8	1. 96E-05	0. 116137	0. 192	0. 125	0. 293555	CSCL2	LSG1
TSC22D4. 1	1. 97E-05	0. 103909	0. 585	0. 465	0. 294054	CSCL2	TSC22D4
ACTR3B. 9	1. 97E-05	0. 141655	0. 166	0. 105	0. 294274	CSCL2	ACTR3B
TNK2. 6	1. 98E-05	0. 102317	0. 192	0. 125	0. 295806	CSCL2	TNK2
TMEM79. 3	1. 98E-05	0. 177798	0. 099	0. 054	0. 295954	CSCL2	TMEM79
RDH10. 12	1. 99E-05	-0. 16844	0. 031	0. 088	0. 297511	CSCL2	RDH10
HS3ST3B1.	2. 00E-05	-0. 14504	0. 002	0. 043	0. 298344	CSCL2	HS3ST3B1
KPNA3. 7	2. 00E-05	0. 147682	0. 34	0. 252	0. 298954	CSCL2	KPNA3
ACAP1. 9	2. 01E-05	-0. 18241	0. 026	0. 082	0. 29975	CSCL2	ACAP1
ITPKB. 4	2. 02E-05	-0. 18306	0. 022	0. 075	0. 301177	CSCL2	ITPKB
GNL2. 5	2. 02E-05	0. 133764	0. 285	0. 203	0. 302286	CSCL2	GNL2
AC109826.	2. 03E-05	-0. 18395	0	0. 039	0. 302996	CSCL2	AC109826. 1
TFE3. 4	2. 04E-05	-0. 18557	0. 053	0. 119	0. 304531	CSCL2	TFE3
FAM134B. 1	2. 08E-05	-0. 12449	0. 091	0. 168	0. 310422	CSCL2	FAM134B
APOA1BP. 6	2. 08E-05	0. 172981	0. 461	0. 372	0. 310478	CSCL2	APOA1BP
CD52. 11	2. 08E-05	-0. 35799	0. 009	0. 054	0. 310619	CSCL2	CD52
PRCP. 9	2. 08E-05	0. 119455	0. 455	0. 351	0. 311321	CSCL2	PRCP
PHOSPHO2.	2. 11E-05	0. 109192	0. 084	0. 043	0. 314811	CSCL2	PHOSPHO2
EIF5A. 5	2. 12E-05	0. 156718	0. 636	0. 522	0. 316465	CSCL2	EIF5A
IL15. 10	2. 12E-05	-0. 16463	0	0. 038	0. 317067	CSCL2	IL15
IGSF11. 9	2. 13E-05	0. 127034	0. 115	0. 065	0. 319041	CSCL2	IGSF11
HSPBP1. 9	2. 16E-05	0. 19853	0. 373	0. 284	0. 323329	CSCL2	HSPBP1
LPAR1. 5	2. 17E-05	-0. 1407	0. 007	0. 051	0. 324239	CSCL2	LPAR1
LTBR. 13	2. 18E-05	-0. 30218	0. 04	0. 097	0. 325306	CSCL2	LTBR
SLC39A3. 1	2. 18E-05	0. 164972	0. 437	0. 334	0. 325856	CSCL2	SLC39A3
CA11. 1	2. 20E-05	-0. 17834	0. 042	0. 104	0. 329162	CSCL2	CA11
ARRDC4. 3	2. 21E-05	0. 105595	0. 117	0. 066	0. 329714	CSCL2	ARRDC4
SELL. 9	2. 22E-05	-0. 20369	0	0. 038	0. 331789	CSCL2	SELL
POC5. 2	2. 23E-05	0. 130391	0. 093	0. 048	0. 333624	CSCL2	POC5
IL10RB-AS	2. 24E-05	-0. 21072	0. 004	0. 046	0. 335096	CSCL2	IL10RB-AS1
PCCB. 4	2. 26E-05	0. 146265	0. 245	0. 171	0. 337295	CSCL2	PCCB
HDHD3. 3	2. 27E-05	-0. 19841	0. 049	0. 112	0. 338801	CSCL2	HDHD3
ADAP1. 6	2. 30E-05	-0. 1665	0. 002	0. 042	0. 343217	CSCL2	ADAP1
ORAI1. 8	2. 34E-05	-0. 14269	0. 06	0. 127	0. 349264	CSCL2	ORAI1
GPATCH11.	2. 35E-05	0. 186485	0. 201	0. 136	0. 35154	CSCL2	GPATCH11

ZNF473	2.36E-05	0.105665	0.082	0.041	0.352498	CSCL2	ZNF473
MDM4.6	2.36E-05	0.140145	0.329	0.243	0.352513	CSCL2	MDM4
LEO1.7	2.36E-05	0.159233	0.21	0.141	0.35338	CSCL2	LEO1
ASH2L.5	2.37E-05	0.128115	0.249	0.173	0.353993	CSCL2	ASH2L
REL.13	2.37E-05	-0.44202	0.241	0.3	0.354618	CSCL2	REL
RP11-783K	2.38E-05	-0.14958	0.007	0.05	0.354962	CSCL2	RP11-783K16.5
GUCY1A2.5	2.38E-05	0.119652	0.073	0.035	0.355916	CSCL2	GUCY1A2
PHF6.8	2.40E-05	0.111751	0.241	0.167	0.358255	CSCL2	PHF6
FURIN.7	2.40E-05	-0.20756	0.022	0.074	0.359249	CSCL2	FURIN
LRRC4B.12	2.42E-05	0.143753	0.196	0.131	0.361314	CSCL2	LRRC4B
ZBTB38.4	2.43E-05	-0.27015	0.113	0.19	0.36277	CSCL2	ZBTB38
MAGT1.7	2.44E-05	-0.20784	0.126	0.206	0.36493	CSCL2	MAGT1
ARGLU1.1C	2.46E-05	0.130229	0.594	0.463	0.367996	CSCL2	ARGLU1
NHSL2.8	2.46E-05	-0.41817	0.009	0.053	0.368236	CSCL2	NHSL2
FABP3.7	2.48E-05	-0.1835	0.007	0.05	0.37018	CSCL2	FABP3
CETN3.6	2.50E-05	0.177467	0.21	0.144	0.373781	CSCL2	CETN3
DCPS.7	2.53E-05	0.138165	0.241	0.169	0.377574	CSCL2	DCPS
ZNF708.7	2.54E-05	0.112498	0.155	0.095	0.379059	CSCL2	ZNF708
LMNA.9	2.54E-05	-0.12367	0.338	0.419	0.379517	CSCL2	LMNA
RP11-76E1	2.54E-05	-0.21286	0	0.038	0.380173	CSCL2	RP11-76E17.3
MTX2.7	2.56E-05	0.11778	0.415	0.318	0.382733	CSCL2	MTX2
DEPTOR.8	2.57E-05	-0.21694	0.004	0.046	0.384015	CSCL2	DEPTOR
GMPR.4	2.57E-05	-0.15024	0.029	0.084	0.384227	CSCL2	GMPR
CWC27.9	2.57E-05	0.10533	0.344	0.26	0.384764	CSCL2	CWC27
KPTN.2	2.62E-05	0.156465	0.13	0.077	0.391881	CSCL2	KPTN
SNX10.7	2.64E-05	-0.28113	0.157	0.231	0.394508	CSCL2	SNX10
PCDH19.1C	2.66E-05	0.168495	0.104	0.058	0.397779	CSCL2	PCDH19
TMEM163.6	2.66E-05	-0.16985	0.015	0.064	0.398223	CSCL2	TMEM163
CAPRIN1.1	2.67E-05	0.10396	0.417	0.316	0.398406	CSCL2	CAPRIN1
RALGPS1.6	2.68E-05	0.147187	0.097	0.052	0.40008	CSCL2	RALGPS1
CSF1.10	2.68E-05	-0.14028	0.038	0.097	0.401152	CSCL2	CSF1
MYADM.10	2.69E-05	-0.26053	0.119	0.196	0.401951	CSCL2	MYADM
MANSC1.5	2.70E-05	0.135708	0.102	0.056	0.402966	CSCL2	MANSC1
GABARAPL1	2.70E-05	-0.35348	0.225	0.3	0.404052	CSCL2	GABARAPL1
BCKDK.11	2.70E-05	-0.24746	0.236	0.317	0.404202	CSCL2	BCKDK
PCID2.5	2.71E-05	0.118099	0.254	0.177	0.404812	CSCL2	PCID2
HIST2H2BE	2.73E-05	-0.17864	0.077	0.15	0.407456	CSCL2	HIST2H2BE
CTNND2.1C	2.75E-05	0.104374	0.227	0.155	0.410718	CSCL2	CTNND2
TOP1.8	2.76E-05	0.152008	0.497	0.385	0.411891	CSCL2	TOP1
SLC25A13.	2.80E-05	0.116623	0.19	0.124	0.417856	CSCL2	SLC25A13
FZD7.10	2.81E-05	-0.12651	0.04	0.1	0.419423	CSCL2	FZD7
PJA2.11	2.82E-05	-0.26141	0.267	0.338	0.420713	CSCL2	PJA2
LY6H.11	2.82E-05	-0.27102	0.033	0.088	0.421959	CSCL2	LY6H
CLTC.8	2.82E-05	-0.22555	0.28	0.352	0.422056	CSCL2	CLTC
EXOSC10.5	2.84E-05	0.149701	0.212	0.144	0.424862	CSCL2	EXOSC10
CAMTA2.2	2.85E-05	-0.17201	0.026	0.08	0.426264	CSCL2	CAMTA2
AP2A1.6	2.90E-05	0.119671	0.316	0.233	0.433379	CSCL2	AP2A1
UBXN4.7	2.94E-05	0.123432	0.669	0.539	0.439574	CSCL2	UBXN4
TESC.3	2.96E-05	-0.12123	0.002	0.041	0.442984	CSCL2	TESC
METTL3.5	2.98E-05	0.110669	0.185	0.12	0.444859	CSCL2	METTL3
RREB1.11	3.00E-05	-0.17448	0.022	0.074	0.447602	CSCL2	RREB1

RAD54L2.7	3.05E-05	0.102235	0.166	0.104	0.455441	CSCL2	RAD54L2
TMX4.9	3.10E-05	0.17855	0.318	0.243	0.463849	CSCL2	TMX4
DAPK3.9	3.11E-05	0.199939	0.316	0.236	0.464438	CSCL2	DAPK3
STC1.3	3.11E-05	0.140961	0.055	0.024	0.464622	CSCL2	STC1
PPP2R5A.4	3.14E-05	-0.13705	0.051	0.115	0.469912	CSCL2	PPP2R5A
CD7.10	3.15E-05	-0.27215	0.004	0.045	0.470004	CSCL2	CD7
CSNK2A1.1	3.17E-05	0.178974	0.411	0.313	0.474013	CSCL2	CSNK2A1
SPCS1.5	3.17E-05	-0.20852	0.744	0.736	0.474041	CSCL2	SPCS1
RFTN1.6	3.20E-05	-0.14816	0.049	0.112	0.478185	CSCL2	RFTN1
ZFAND2A.1	3.24E-05	0.100112	0.364	0.28	0.483837	CSCL2	ZFAND2A
CTD-2270L	3.24E-05	-0.10412	0.011	0.057	0.484303	CSCL2	CTD-2270L9.4
H1FO.3	3.24E-05	0.256734	0.353	0.26	0.484778	CSCL2	H1FO
ELMOD1.1C	3.25E-05	-0.10424	0.029	0.084	0.486384	CSCL2	ELMOD1
BLOC1S2.7	3.27E-05	-0.27915	0.291	0.371	0.48928	CSCL2	BLOC1S2
TTC1.4	3.29E-05	-0.24892	0.294	0.376	0.491626	CSCL2	TTC1
TP53TG1.6	3.33E-05	-0.27491	0.124	0.2	0.497527	CSCL2	TP53TG1
ZNF12.10	3.33E-05	0.128005	0.183	0.122	0.497595	CSCL2	ZNF12
RAD23B.7	3.36E-05	0.14807	0.475	0.376	0.50281	CSCL2	RAD23B
GPD2.2	3.38E-05	0.107627	0.143	0.088	0.504797	CSCL2	GPD2
IL2RG.9	3.39E-05	-0.24709	0.004	0.045	0.506024	CSCL2	IL2RG
DHX29.10	3.46E-05	0.128651	0.4	0.306	0.517329	CSCL2	DHX29
ST3GAL3.9	3.47E-05	0.186975	0.137	0.084	0.518801	CSCL2	ST3GAL3
DPP4.10	3.47E-05	-0.12044	0.026	0.08	0.519168	CSCL2	DPP4
BEST1.8	3.49E-05	-0.34057	0.203	0.278	0.521238	CSCL2	BEST1
DESI2.7	3.50E-05	0.189539	0.263	0.192	0.522361	CSCL2	DESI2
NAGLU.1	3.52E-05	-0.15827	0.031	0.086	0.525471	CSCL2	NAGLU
GALNT15.8	3.53E-05	-0.20918	0.002	0.041	0.526933	CSCL2	GALNT15
RBMX2.5	3.53E-05	0.115682	0.318	0.232	0.527678	CSCL2	RBMX2
PNMAL1.11	3.54E-05	0.187204	0.15	0.094	0.528322	CSCL2	PNMAL1
SLC35B4.7	3.54E-05	0.117725	0.265	0.188	0.528507	CSCL2	SLC35B4
PLCB2.13	3.54E-05	-0.1882	0.015	0.063	0.529236	CSCL2	PLCB2
PXN.6	3.56E-05	-0.17888	0.062	0.127	0.531259	CSCL2	PXN
MTIF3.6	3.58E-05	-0.30322	0.265	0.349	0.534956	CSCL2	MTIF3
SLC15A4.3	3.59E-05	-0.15476	0.024	0.076	0.536442	CSCL2	SLC15A4
SRPX2.9	3.60E-05	-0.14028	0.013	0.059	0.537654	CSCL2	SRPX2
NAA10.8	3.65E-05	0.112538	0.543	0.421	0.546101	CSCL2	NAA10
CTU2.7	3.70E-05	0.164899	0.194	0.13	0.552684	CSCL2	CTU2
MID1.6	3.70E-05	0.144989	0.091	0.048	0.553174	CSCL2	MID1
IFT52.10	3.71E-05	0.104873	0.338	0.253	0.55515	CSCL2	IFT52
TRIM9.11	3.74E-05	0.173641	0.313	0.229	0.558949	CSCL2	TRIM9
TMEM53.7	3.75E-05	-0.18468	0.046	0.107	0.560348	CSCL2	TMEM53
SLC40A1.9	3.75E-05	-0.26669	0.075	0.141	0.560358	CSCL2	SLC40A1
KDM2B.5	3.77E-05	0.105091	0.201	0.132	0.563223	CSCL2	KDM2B
RP11-119E	3.81E-05	0.128489	0.104	0.058	0.569273	CSCL2	RP11-119B16.2
AP3M2.6	3.81E-05	0.142386	0.143	0.089	0.569868	CSCL2	AP3M2
GDI2.11	3.87E-05	-0.24697	0.433	0.491	0.577749	CSCL2	GDI2
WDR60.10	3.94E-05	0.148772	0.309	0.229	0.589287	CSCL2	WDR60
RNMTL1.8	3.95E-05	0.126656	0.19	0.127	0.590461	CSCL2	RNMTL1
CCND3.10	3.97E-05	-0.32476	0.183	0.263	0.592599	CSCL2	CCND3
DEF8.9	3.97E-05	0.162623	0.353	0.267	0.592991	CSCL2	DEF8
TCHP.6	4.01E-05	0.15039	0.168	0.109	0.599831	CSCL2	TCHP

KCNQ1.12	4.02E-05	-0.16461	0.002	0.04	0.600091	CSCL2	KCNQ1
CDC42.7	4.02E-05	-0.19276	0.603	0.621	0.600333	CSCL2	CDC42
APP.11	4.06E-05	0.121599	0.68	0.518	0.607431	CSCL2	APP
FOLR1.8	4.10E-05	-0.20045	0	0.036	0.611975	CSCL2	FOLR1
DNAJA3.7	4.10E-05	0.18953	0.241	0.171	0.613281	CSCL2	DNAJA3
PHKB.5	4.11E-05	0.11907	0.265	0.189	0.613805	CSCL2	PHKB
AATF.6	4.11E-05	0.123889	0.375	0.287	0.614616	CSCL2	AATF
PDLIM7.9	4.14E-05	-0.20964	0.163	0.241	0.618387	CSCL2	PDLIM7
SULT1A1.1	4.15E-05	-0.21357	0.009	0.051	0.620355	CSCL2	SULT1A1
ING1.6	4.18E-05	0.125222	0.199	0.133	0.625217	CSCL2	ING1
CCDC151.8	4.19E-05	-0.22244	0.018	0.065	0.626777	CSCL2	CCDC151
VKORC1.7	4.22E-05	-0.27443	0.435	0.499	0.630591	CSCL2	VKORC1
RRM2B.3	4.24E-05	-0.1694	0.046	0.105	0.633197	CSCL2	RRM2B
SERP2.9	4.24E-05	0.103069	0.159	0.099	0.633609	CSCL2	SERP2
RUNX3.10	4.25E-05	-0.17597	0.002	0.04	0.635376	CSCL2	RUNX3
DHX34.1	4.25E-05	0.123107	0.102	0.056	0.635741	CSCL2	DHX34
AKAP8.5	4.29E-05	0.11982	0.199	0.133	0.640936	CSCL2	AKAP8
TEAD1.8	4.29E-05	0.185447	0.203	0.142	0.64133	CSCL2	TEAD1
ATP6V1A.5	4.31E-05	-0.11781	0.121	0.202	0.644212	CSCL2	ATP6V1A
SYNGR1.7	4.33E-05	-0.2296	0.053	0.114	0.646423	CSCL2	SYNGR1
NCBP1.4	4.37E-05	0.105231	0.132	0.081	0.652949	CSCL2	NCBP1
Clorf21.1	4.40E-05	0.190845	0.269	0.197	0.657795	CSCL2	Clorf21
TMC8.11	4.41E-05	-0.14789	0.004	0.044	0.658757	CSCL2	TMC8
USP47.6	4.46E-05	0.105063	0.329	0.241	0.666782	CSCL2	USP47
PPARD.11	4.46E-05	-0.21725	0.051	0.111	0.667019	CSCL2	PPARD
CTB-61M7.4	4.49E-05	-0.20068	0.002	0.04	0.671373	CSCL2	CTB-61M7.2
VPS28.5	4.51E-05	-0.24113	0.596	0.638	0.674617	CSCL2	VPS28
FAM174A.6	4.52E-05	-0.18322	0.143	0.226	0.675679	CSCL2	FAM174A
ATRX.8	4.60E-05	0.123326	0.556	0.44	0.687006	CSCL2	ATRX
PLB1.11	4.63E-05	-0.16142	0.004	0.044	0.69197	CSCL2	PLB1
LINC00511.4	4.64E-05	0.161904	0.177	0.117	0.692812	CSCL2	LINC00511
SLC4A8.6	4.64E-05	0.147138	0.121	0.072	0.6938	CSCL2	SLC4A8
TTC28.9	4.64E-05	0.108388	0.148	0.093	0.694103	CSCL2	TTC28
THOC1.4	4.69E-05	0.117518	0.212	0.143	0.700391	CSCL2	THOC1
KRBOX4.6	4.69E-05	0.101787	0.177	0.113	0.700862	CSCL2	KRBOX4
DOK1.12	4.85E-05	-0.23901	0.088	0.157	0.725497	CSCL2	DOK1
PDCL.3	4.87E-05	0.102215	0.267	0.191	0.727321	CSCL2	PDCL
PLEKHH2.7	4.88E-05	0.134642	0.115	0.067	0.728933	CSCL2	PLEKHH2
C19orf24.4	4.88E-05	-0.19845	0.296	0.367	0.72924	CSCL2	C19orf24
USP10.8	4.88E-05	0.120222	0.32	0.24	0.729328	CSCL2	USP10
COLGALT2.4	4.89E-05	0.201483	0.199	0.136	0.731369	CSCL2	COLGALT2
RFX3.4	4.90E-05	0.12755	0.121	0.072	0.732012	CSCL2	RFX3
NFASC.9	4.91E-05	-0.24574	0.046	0.105	0.734438	CSCL2	NFASC
SLC35C2.6	4.93E-05	-0.21669	0.177	0.256	0.736562	CSCL2	SLC35C2
UROD.8	4.93E-05	-0.18959	0.276	0.363	0.736967	CSCL2	UROD
CEP44.3	4.97E-05	0.127486	0.11	0.064	0.742277	CSCL2	CEP44
EXTL2.10	5.06E-05	0.168648	0.232	0.165	0.755759	CSCL2	EXTL2
APOBR.11	5.06E-05	-0.16385	0.002	0.039	0.756027	CSCL2	APOBR
RAPGEF1.1	5.06E-05	-0.28354	0.06	0.119	0.756068	CSCL2	RAPGEF1
FAM120A.9	5.08E-05	-0.17979	0.135	0.213	0.758816	CSCL2	FAM120A
POU2F2.11	5.10E-05	-0.33287	0.077	0.138	0.762326	CSCL2	POU2F2

ALDOC.7	5.12E-05	-0.27674	0.091	0.158	0.764396	CSCL2	ALDOC
CREB3L2.1	5.12E-05	-0.24637	0.064	0.126	0.765387	CSCL2	CREB3L2
DENND1C.1	5.14E-05	-0.16519	0	0.035	0.76755	CSCL2	DENND1C
PITPNA-AS	5.15E-05	0.121128	0.263	0.193	0.769032	CSCL2	PITPNA-AS1
TOP2B.11	5.15E-05	0.139165	0.316	0.234	0.769193	CSCL2	TOP2B
GNA13.11	5.17E-05	-0.30069	0.115	0.183	0.772967	CSCL2	GNA13
PITPNB.2	5.22E-05	0.138249	0.238	0.169	0.780792	CSCL2	PITPNB
PHYH.3	5.24E-05	-0.10612	0.093	0.17	0.783499	CSCL2	PHYH
DENND6B.1	5.26E-05	-0.23752	0.046	0.104	0.785443	CSCL2	DENND6B
RBP7.6	5.29E-05	-0.20647	0.007	0.047	0.790034	CSCL2	RBP7
AP1M1.5	5.30E-05	0.111252	0.296	0.22	0.792528	CSCL2	AP1M1
MGAT4B.4	5.31E-05	-0.12325	0.046	0.106	0.793786	CSCL2	MGAT4B
CADM3.9	5.32E-05	-0.33136	0.046	0.102	0.79467	CSCL2	CADM3
SERPINE1.	5.36E-05	-0.16675	0.044	0.102	0.800648	CSCL2	SERPINE1
MYLK.8	5.36E-05	-0.22925	0.015	0.061	0.801161	CSCL2	MYLK
DPEP2.11	5.37E-05	-0.17705	0	0.035	0.803112	CSCL2	DPEP2
ARRB1.9	5.39E-05	-0.17677	0.004	0.043	0.805611	CSCL2	ARRB1
COL22A1.9	5.45E-05	-0.11926	0.024	0.074	0.814873	CSCL2	COL22A1
AHCY.8	5.47E-05	0.147383	0.382	0.291	0.817548	CSCL2	AHCY
TGM2.6	5.49E-05	-0.13895	0.002	0.039	0.820413	CSCL2	TGM2
SERTAD3.2	5.49E-05	-0.2895	0.104	0.176	0.820622	CSCL2	SERTAD3
SPINT1.12	5.50E-05	-0.13361	0	0.035	0.821505	CSCL2	SPINT1
ELP3	5.51E-05	0.105799	0.172	0.111	0.822942	CSCL2	ELP3
TMEM147.2	5.55E-05	-0.17872	0.567	0.597	0.829015	CSCL2	TMEM147
GPS1.9	5.57E-05	0.125012	0.413	0.321	0.832958	CSCL2	GPS1
SENP1	5.59E-05	0.115498	0.057	0.026	0.835487	CSCL2	SENP1
KIAA1715.	5.63E-05	0.107597	0.331	0.252	0.841708	CSCL2	KIAA1715
GPRIN3.13	5.67E-05	-0.21201	0.015	0.06	0.84777	CSCL2	GPRIN3
FAM89B.12	5.72E-05	0.125787	0.325	0.243	0.854089	CSCL2	FAM89B
BET1L.3	5.73E-05	-0.14656	0.057	0.12	0.856832	CSCL2	BET1L
TMEM14C.9	5.77E-05	-0.25085	0.556	0.592	0.862437	CSCL2	TMEM14C
ABCC4.7	5.79E-05	-0.12898	0.007	0.047	0.865384	CSCL2	ABCC4
TXNRD1.7	5.85E-05	0.152794	0.313	0.235	0.874764	CSCL2	TXNRD1
SDHA.2	5.88E-05	0.107518	0.404	0.302	0.87797	CSCL2	SDHA
C17orf89.	5.90E-05	0.158529	0.543	0.416	0.881376	CSCL2	C17orf89
ATG16L2.1	5.90E-05	-0.20668	0.035	0.089	0.881404	CSCL2	ATG16L2
KLHL36.4	5.91E-05	-0.15039	0.04	0.096	0.882557	CSCL2	KLHL36
TLR4.11	5.91E-05	-0.18146	0.004	0.042	0.883654	CSCL2	TLR4
LMAN1.7	5.93E-05	-0.31539	0.254	0.332	0.886138	CSCL2	LMAN1
STAT6.13	5.94E-05	-0.18753	0.011	0.054	0.88814	CSCL2	STAT6
TXLNG.8	5.94E-05	0.130258	0.194	0.131	0.88829	CSCL2	TXLNG
PGPEP1.5	5.95E-05	-0.20311	0.071	0.136	0.888831	CSCL2	PGPEP1
XXYLT1.1C	5.96E-05	0.157874	0.183	0.124	0.890326	CSCL2	XXYLT1
TRIM22.1C	5.98E-05	-0.29844	0.075	0.137	0.893421	CSCL2	TRIM22
P2RY6.11	6.02E-05	-0.14043	0	0.034	0.899377	CSCL2	P2RY6
C16orf91.	6.04E-05	0.110403	0.263	0.193	0.902259	CSCL2	C16orf91
TBK1.5	6.06E-05	-0.15869	0.084	0.152	0.905482	CSCL2	TBK1
PTEN.10	6.06E-05	-0.21622	0.068	0.132	0.905563	CSCL2	PTEN
RNPEP.11	6.06E-05	-0.23881	0.15	0.227	0.906305	CSCL2	RNPEP
FNBP4.7	6.07E-05	0.150262	0.327	0.249	0.907768	CSCL2	FNBP4
HERC4.3	6.13E-05	-0.17059	0.055	0.117	0.916274	CSCL2	HERC4



CCDC181.8	6.13E-05	0.147234	0.128	0.078	0.916339	CSCL2	CCDC181
CCNI.8	6.14E-05	0.102072	0.804	0.702	0.918166	CSCL2	CCNI
KLHL25.4	6.17E-05	0.126359	0.093	0.051	0.921726	CSCL2	KLHL25
RP11-126K	6.17E-05	0.119334	0.143	0.089	0.922553	CSCL2	RP11-126K1.6
FAM57B.11	6.18E-05	0.143272	0.146	0.09	0.923227	CSCL2	FAM57B
URM1.4	6.20E-05	-0.25811	0.291	0.361	0.926814	CSCL2	URM1
ZC3H6.9	6.25E-05	0.102394	0.212	0.144	0.933367	CSCL2	ZC3H6
PGLS.8	6.26E-05	-0.1825	0.497	0.511	0.936153	CSCL2	PGLS
TM7SF2.11	6.27E-05	-0.17955	0.155	0.233	0.936525	CSCL2	TM7SF2
HSD17B14.	6.29E-05	-0.23446	0.04	0.094	0.940117	CSCL2	HSD17B14
TTC7A.10	6.30E-05	-0.19808	0.026	0.077	0.940788	CSCL2	TTC7A
MICA.4	6.31E-05	-0.14206	0.007	0.046	0.942245	CSCL2	MICA
GRASP.11	6.32E-05	-0.21891	0.011	0.053	0.944709	CSCL2	GRASP
GOLGA3	6.35E-05	-0.18371	0.06	0.123	0.948395	CSCL2	GOLGA3
GAL3ST4.1	6.36E-05	-0.43297	0.113	0.174	0.950174	CSCL2	GAL3ST4
PNP0.7	6.36E-05	-0.10409	0.029	0.081	0.950635	CSCL2	PNP0
SNAP47.9	6.43E-05	0.115403	0.272	0.2	0.961302	CSCL2	SNAP47
TP53I3.5	6.44E-05	0.100259	0.21	0.143	0.962442	CSCL2	TP53I3
FBX06.4	6.45E-05	-0.15088	0.026	0.077	0.963425	CSCL2	FBX06
CALR.6	6.45E-05	-0.17949	0.693	0.692	0.964612	CSCL2	CALR
BRWD1.10	6.49E-05	0.148762	0.32	0.238	0.969393	CSCL2	BRWD1
RP11-263K	6.50E-05	-0.13541	0.02	0.067	0.970921	CSCL2	RP11-263K19.4
GLDC.8	6.50E-05	0.148444	0.113	0.067	0.972063	CSCL2	GLDC
NOC4L.5	6.51E-05	0.152379	0.219	0.154	0.972248	CSCL2	NOC4L
UNK.5	6.51E-05	0.141476	0.185	0.124	0.972734	CSCL2	UNK
GMIP.11	6.51E-05	-0.19724	0.026	0.076	0.9735	CSCL2	GMIP
LRRC45.6	6.58E-05	0.108465	0.139	0.087	0.983022	CSCL2	LRRC45
ECHDC3.1C	6.59E-05	-0.14395	0	0.034	0.984616	CSCL2	ECHDC3
PSTPIP2.8	6.62E-05	-0.1279	0.007	0.046	0.989382	CSCL2	PSTPIP2
ABTB1.10	6.64E-05	-0.17856	0.049	0.106	0.99246	CSCL2	ABTB1
IFITM1.5	6.67E-05	-0.21423	0.002	0.038	0.996616	CSCL2	IFITM1
THBS3.2	6.67E-05	-0.11055	0.015	0.061	0.997188	CSCL2	THBS3
CBLL1.3	6.73E-05	0.129762	0.163	0.105	1	CSCL2	CBLL1
PPP3R1.4	6.76E-05	0.121305	0.17	0.111	1	CSCL2	PPP3R1
DAD1.6	6.81E-05	-0.22522	0.715	0.721	1	CSCL2	DAD1
DHX57.6	6.90E-05	0.108349	0.148	0.093	1	CSCL2	DHX57
KRTCAP2.5	6.93E-05	-0.29011	0.521	0.558	1	CSCL2	KRTCAP2
VRK2.11	6.98E-05	-0.18972	0.013	0.056	1	CSCL2	VRK2
C5orf24.1	7.00E-05	0.15479	0.377	0.293	1	CSCL2	C5orf24
CWC25.4	7.02E-05	0.144271	0.276	0.198	1	CSCL2	CWC25
RSBN1.10	7.05E-05	0.119453	0.296	0.214	1	CSCL2	RSBN1
BAMBI.10	7.06E-05	0.104101	0.115	0.068	1	CSCL2	BAMBI
CCDC25.9	7.15E-05	0.140108	0.382	0.293	1	CSCL2	CCDC25
ALPK1.6	7.20E-05	-0.14138	0.002	0.038	1	CSCL2	ALPK1
HENMT1.1C	7.21E-05	-0.15607	0	0.034	1	CSCL2	HENMT1
ZMYND8.9	7.23E-05	0.142858	0.278	0.205	1	CSCL2	ZMYND8
PLCE1.9	7.24E-05	0.123728	0.108	0.063	1	CSCL2	PLCE1
CD180.12	7.24E-05	-0.13242	0.002	0.038	1	CSCL2	CD180
ZFP90.9	7.30E-05	0.137541	0.19	0.129	1	CSCL2	ZFP90
DNPEP.6	7.31E-05	-0.20299	0.168	0.244	1	CSCL2	DNPEP
CRB2.9	7.33E-05	-0.15839	0.007	0.045	1	CSCL2	CRB2

PROX1.11	7.44E-05	0.120473	0.232	0.161	1 CSCL2	PROX1
EPS15.6	7.48E-05	-0.20312	0.086	0.153	1 CSCL2	EPS15
PXN-AS1.5	7.48E-05	0.122707	0.128	0.079	1 CSCL2	PXN-AS1
ZNF593.7	7.49E-05	-0.25933	0.223	0.305	1 CSCL2	ZNF593
SPA17.9	7.53E-05	0.172686	0.128	0.079	1 CSCL2	SPA17
LRIF1.7	7.56E-05	0.127298	0.269	0.194	1 CSCL2	LRIF1
COQ3.5	7.64E-05	0.129528	0.113	0.066	1 CSCL2	COQ3
MYLIP.10	7.65E-05	-0.33114	0.073	0.131	1 CSCL2	MYLIP
GLT8D1.6	7.65E-05	0.189408	0.353	0.273	1 CSCL2	GLT8D1
APH1B.9	7.68E-05	-0.19163	0.066	0.13	1 CSCL2	APH1B
ST3GAL4.8	7.68E-05	0.234305	0.177	0.12	1 CSCL2	ST3GAL4
FIBIN.12	7.69E-05	-0.18356	0.152	0.23	1 CSCL2	FIBIN
C1orf43.2	7.82E-05	-0.16719	0.576	0.597	1 CSCL2	C1orf43
PDCD4.11	7.83E-05	-0.29693	0.088	0.151	1 CSCL2	PDCD4
GSAP.9	7.84E-05	-0.21881	0.031	0.081	1 CSCL2	GSAP
BAG5.9	7.88E-05	0.144207	0.252	0.182	1 CSCL2	BAG5
WBSCR16.6	7.88E-05	0.11383	0.208	0.142	1 CSCL2	WBSCR16
VGLL4.10	7.89E-05	0.102319	0.419	0.313	1 CSCL2	VGLL4
PLP1.10	8.00E-05	-0.24435	0.252	0.168	1 CSCL2	PLP1
TSR1.8	8.05E-05	0.135636	0.256	0.187	1 CSCL2	TSR1
POLR3GL.5	8.06E-05	-0.22611	0.269	0.354	1 CSCL2	POLR3GL
DGCR2.7	8.07E-05	0.150359	0.214	0.15	1 CSCL2	DGCR2
PDE4A.7	8.10E-05	-0.16085	0.038	0.091	1 CSCL2	PDE4A
WSB2.11	8.13E-05	0.126177	0.296	0.221	1 CSCL2	WSB2
ATP5D.12	8.13E-05	0.213095	0.762	0.608	1 CSCL2	ATP5D
AC147651.8	8.15E-05	-0.15065	0.002	0.037	1 CSCL2	AC147651.4
C19orf52.8	8.23E-05	0.206375	0.236	0.171	1 CSCL2	C19orf52
IL2RA.11	8.26E-05	-0.23927	0	0.033	1 CSCL2	IL2RA
ZFP37.6	8.31E-05	0.159038	0.091	0.049	1 CSCL2	ZFP37
SEPT4.10	8.38E-05	-0.3643	0.071	0.132	1 CSCL2	4-Sep
SNAPC2.6	8.44E-05	-0.13039	0.128	0.206	1 CSCL2	SNAPC2
SCG5.10	8.56E-05	-0.3098	0.256	0.331	1 CSCL2	SCG5
TFRC.11	8.62E-05	-0.29854	0.143	0.212	1 CSCL2	TFRC
ANPEP.10	8.64E-05	-0.14565	0	0.033	1 CSCL2	ANPEP
RAB13.10	8.72E-05	-0.27817	0.302	0.374	1 CSCL2	RAB13
TRIB3.9	8.75E-05	-0.12774	0.026	0.076	1 CSCL2	TRIB3
TRIM27.4	8.76E-05	0.104569	0.283	0.207	1 CSCL2	TRIM27
TANGO2.1C	8.77E-05	-0.20115	0.035	0.087	1 CSCL2	TANGO2
LYRM5.9	8.79E-05	-0.27914	0.265	0.344	1 CSCL2	LYRM5
APOL3.3	8.84E-05	-0.13431	0.002	0.037	1 CSCL2	APOL3
MKNK2.5	8.84E-05	-0.18847	0.115	0.187	1 CSCL2	MKNK2
RBKS.3	8.87E-05	-0.13186	0.004	0.041	1 CSCL2	RBKS
KHNYN.1	8.91E-05	-0.14224	0.02	0.066	1 CSCL2	KHNYN
MLXIPL.9	8.95E-05	-0.19289	0.004	0.041	1 CSCL2	MLXIPL
FAM78A.1C	9.14E-05	-0.16089	0.002	0.037	1 CSCL2	FAM78A
ITPRIPL2.9	9.15E-05	-0.14369	0.026	0.075	1 CSCL2	ITPRIPL2
HUWE1.4	9.21E-05	0.136592	0.236	0.17	1 CSCL2	HUWE1
IFI44L.8	9.36E-05	-0.13105	0.077	0.144	1 CSCL2	IFI44L
ATG4D.7	9.37E-05	0.136778	0.223	0.158	1 CSCL2	ATG4D
FLVCR1.3	9.37E-05	0.139801	0.126	0.076	1 CSCL2	FLVCR1
CFI.7	9.47E-05	-0.16203	0.018	0.062	1 CSCL2	CFI

LUCAT1.4	9.61E-05	-0.15061	0.002	0.037	1 CSCL2	LUCAT1
STAMPB.8	9.68E-05	0.121121	0.344	0.263	1 CSCL2	STAMPB
LSM14B.6	9.79E-05	0.143952	0.15	0.098	1 CSCL2	LSM14B
MAPK7.9	9.84E-05	0.143094	0.181	0.123	1 CSCL2	MAPK7
MACROD1.6	9.84E-05	0.173075	0.177	0.12	1 CSCL2	MACROD1
IRAK2.4	9.87E-05	-0.15802	0.011	0.051	1 CSCL2	IRAK2
ARHGAP25.9	9.88E-05	-0.21189	0.022	0.068	1 CSCL2	ARHGAP25
IER5L.4	9.89E-05	-0.13945	0.044	0.1	1 CSCL2	IER5L
HK2.9	9.89E-05	-0.19605	0.035	0.087	1 CSCL2	HK2
CD72.10	9.92E-05	-0.14882	0.011	0.052	1 CSCL2	CD72
CST7.8	9.92E-05	-0.20688	0.002	0.037	1 CSCL2	CST7
SLC30A9.1	9.94E-05	0.1214	0.329	0.249	1 CSCL2	SLC30A9
MUS81.7	9.96E-05	0.125348	0.241	0.171	1 CSCL2	MUS81
HKR1.10	9.97E-05	0.113343	0.172	0.114	1 CSCL2	HKR1
YPEL2.6	9.99E-05	-0.18788	0.024	0.071	1 CSCL2	YPEL2
RBM15B.11	0.0001	0.140416	0.236	0.168	1 CSCL2	RBM15B
MNT.2	0.0001	-0.14301	0.04	0.094	1 CSCL2	MNT
ZSCAN9.4	0.000101	0.125911	0.126	0.077	1 CSCL2	ZSCAN9
WDR54.9	0.000101	0.152486	0.305	0.231	1 CSCL2	WDR54
PLCG1.8	0.000101	0.148087	0.15	0.098	1 CSCL2	PLCG1
SEL1L.6	0.000101	-0.16195	0.106	0.176	1 CSCL2	SEL1L
PTPRA.10	0.000101	0.107438	0.475	0.349	1 CSCL2	PTPRA
IL12RB1.1	0.000101	-0.15366	0	0.032	1 CSCL2	IL12RB1
NCOR1.11	0.000102	0.11257	0.596	0.459	1 CSCL2	NCOR1
KLF3.5	0.000102	-0.19749	0.141	0.217	1 CSCL2	KLF3
TRMT1.10	0.000103	-0.30031	0.188	0.26	1 CSCL2	TRMT1
PDIA5.6	0.000103	-0.14072	0.024	0.072	1 CSCL2	PDIA5
CAV1.11	0.000103	-0.46907	0.071	0.129	1 CSCL2	CAV1
DCAF8.4	0.000104	-0.19083	0.135	0.21	1 CSCL2	DCAF8
COQ2.12	0.000104	0.13381	0.249	0.177	1 CSCL2	COQ2
TMEM91.8	0.000106	-0.18415	0.026	0.074	1 CSCL2	TMEM91
SCARA3.10	0.000106	0.191427	0.194	0.135	1 CSCL2	SCARA3
ZNF615.1	0.000107	0.113433	0.088	0.049	1 CSCL2	ZNF615
SNX2.12	0.000109	-0.2724	0.344	0.413	1 CSCL2	SNX2
DTX3L.3	0.000109	-0.14757	0.031	0.081	1 CSCL2	DTX3L
FAM46A.9	0.00011	0.137151	0.265	0.193	1 CSCL2	FAM46A
FAM177B.8	0.000111	-0.16362	0	0.032	1 CSCL2	FAM177B
ZNF574.6	0.000111	0.141938	0.137	0.085	1 CSCL2	ZNF574
LSS.9	0.000111	-0.1163	0.044	0.1	1 CSCL2	LSS
ABI1.12	0.000112	-0.27661	0.172	0.243	1 CSCL2	ABI1
PPP2R5C.6	0.000112	0.114232	0.338	0.254	1 CSCL2	PPP2R5C
ZNF106.9	0.000112	-0.24842	0.185	0.26	1 CSCL2	ZNF106
EMC7.2	0.000113	-0.28958	0.4	0.456	1 CSCL2	EMC7
PKIB.9	0.000114	-0.24597	0.221	0.286	1 CSCL2	PKIB
PCK2.9	0.000114	-0.15467	0.024	0.071	1 CSCL2	PCK2
SEPT8.12	0.000115	0.106339	0.265	0.193	1 CSCL2	8-Sep
LARS.9	0.000115	0.10925	0.428	0.338	1 CSCL2	LARS
FAF2.7	0.000115	0.163679	0.254	0.187	1 CSCL2	FAF2
PDE4DIP.6	0.000115	-0.25886	0.199	0.266	1 CSCL2	PDE4DIP
ST8SIA1.8	0.000116	0.141311	0.139	0.09	1 CSCL2	ST8SIA1
MAPK13.8	0.000116	-0.12585	0	0.032	1 CSCL2	MAPK13

GPR132.9	0.000116	-0.14826	0	0.032	1	CSCL2	GPR132
MAF.12	0.000116	-0.34323	0.079	0.137	1	CSCL2	MAF
UBE2G2.2	0.000116	0.119373	0.338	0.259	1	CSCL2	UBE2G2
CELF2.13	0.000116	-0.31776	0.327	0.385	1	CSCL2	CELF2
PI3.8	0.000117	-0.40203	0.013	0.054	1	CSCL2	PI3
SEMA4A.1C	0.000117	-0.16089	0.011	0.051	1	CSCL2	SEMA4A
FLNA.11	0.000117	-0.2038	0.181	0.253	1	CSCL2	FLNA
PIK3CD.8	0.000119	-0.12992	0	0.032	1	CSCL2	PIK3CD
C10orf128	0.000119	-0.15509	0	0.032	1	CSCL2	C10orf128
FLVCR2.9	0.000119	-0.12945	0.002	0.036	1	CSCL2	FLVCR2
ACADVL.8	0.000121	-0.20421	0.395	0.453	1	CSCL2	ACADVL
ATP5SL.7	0.000121	0.122982	0.305	0.228	1	CSCL2	ATP5SL
PIAS4.7	0.000121	0.181509	0.188	0.129	1	CSCL2	PIAS4
OPTN.10	0.000123	-0.10814	0.073	0.138	1	CSCL2	OPTN
ARHGAP22.	0.000123	-0.23488	0.029	0.076	1	CSCL2	ARHGAP22
PDGFD.9	0.000125	-0.10155	0.031	0.081	1	CSCL2	PDGFD
CMTM6.13	0.000125	-0.29704	0.373	0.428	1	CSCL2	CMTM6
PPP1R14B.	0.000126	0.112705	0.446	0.341	1	CSCL2	PPP1R14B
TOMM20.2	0.000126	-0.22751	0.472	0.518	1	CSCL2	TOMM20
GHDC.7	0.000127	-0.16477	0.042	0.095	1	CSCL2	GHDC
SIN3A.1	0.000127	0.124221	0.139	0.088	1	CSCL2	SIN3A
SLC44A3.5	0.000127	-0.11864	0	0.031	1	CSCL2	SLC44A3
SEC62.7	0.000127	-0.23288	0.682	0.691	1	CSCL2	SEC62
RIPK2.11	0.000128	-0.14529	0.104	0.171	1	CSCL2	RIPK2
DOCK10.9	0.000128	-0.22289	0.068	0.128	1	CSCL2	DOCK10
CDH11.11	0.000128	0.143778	0.168	0.113	1	CSCL2	CDH11
ZBTB7B.6	0.000128	-0.13017	0.007	0.043	1	CSCL2	ZBTB7B
CYBRD1.5	0.000129	-0.20883	0.108	0.179	1	CSCL2	CYBRD1
DNAJC18.8	0.00013	0.211838	0.179	0.12	1	CSCL2	DNAJC18
ACO09501.	0.000132	-0.61734	0.099	0.159	1	CSCL2	ACO09501.4
ZNF267.12	0.000133	-0.26623	0.075	0.135	1	CSCL2	ZNF267
C6orf120.	0.000133	-0.13124	0.075	0.14	1	CSCL2	C6orf120
GOPC.10	0.000134	0.172979	0.325	0.255	1	CSCL2	GOPC
RANBP3.6	0.000135	0.119673	0.291	0.22	1	CSCL2	RANBP3
DCAF10.6	0.000137	0.101138	0.243	0.175	1	CSCL2	DCAF10
ALG6.4	0.000138	0.146338	0.155	0.101	1	CSCL2	ALG6
MINK1.6	0.000138	-0.17389	0.051	0.106	1	CSCL2	MINK1
ACSL4.10	0.000138	-0.16951	0.035	0.085	1	CSCL2	ACSL4
SERP1.8	0.000138	-0.1809	0.596	0.604	1	CSCL2	SERP1
CCDC124.6	0.000143	0.110896	0.585	0.466	1	CSCL2	CCDC124
SNAI1.10	0.000143	-0.1881	0.009	0.046	1	CSCL2	SNAI1
ACYP2.8	0.000146	-0.30372	0.243	0.315	1	CSCL2	ACYP2
ERI1.3	0.000147	0.100205	0.166	0.11	1	CSCL2	ERI1
MSI2.10	0.000148	0.11091	0.424	0.317	1	CSCL2	MSI2
ELP5.8	0.000148	0.110606	0.344	0.264	1	CSCL2	ELP5
FBRS.4	0.000148	-0.15515	0.057	0.115	1	CSCL2	FBRS
TBRG4.8	0.000149	0.124443	0.311	0.235	1	CSCL2	TBRG4
CLCF1.6	0.00015	-0.15667	0.007	0.043	1	CSCL2	CLCF1
RCAN3.5	0.000151	-0.12084	0.018	0.061	1	CSCL2	RCAN3
SCG2.12	0.000151	-0.16083	0.183	0.265	1	CSCL2	SCG2
BST1.4	0.000151	-0.11322	0.004	0.039	1	CSCL2	BST1

EID2.10	0.000152	0.117178	0.163	0.109	1 CSCL2	EID2
RAB27A.9	0.000153	-0.12468	0.031	0.08	1 CSCL2	RAB27A
BCL6.3	0.000153	-0.22673	0.071	0.13	1 CSCL2	BCL6
NELFB.7	0.000154	0.103473	0.208	0.147	1 CSCL2	NELFB
RP1-39G22	0.000155	0.128128	0.185	0.129	1 CSCL2	RP1-39G22.7
OXLD1.8	0.000156	-0.20626	0.181	0.256	1 CSCL2	OXLD1
ANKRD42.1	0.000158	-0.14397	0.018	0.06	1 CSCL2	ANKRD42
ATXN1.8	0.000158	-0.20419	0.099	0.166	1 CSCL2	ATXN1
GNA11.7	0.000159	0.128074	0.157	0.104	1 CSCL2	GNA11
FOXO1.6	0.000159	0.138454	0.117	0.072	1 CSCL2	FOXO1
VSTM2A.1C	0.000159	-0.34608	0.053	0.107	1 CSCL2	VSTM2A
G3BP1.7	0.000159	0.149133	0.391	0.311	1 CSCL2	G3BP1
TPCN1.8	0.00016	-0.23668	0.042	0.092	1 CSCL2	TPCN1
PLA2G7.1C	0.000161	-0.1874	0.013	0.053	1 CSCL2	PLA2G7
C1orf174.	0.000161	0.101086	0.214	0.152	1 CSCL2	C1orf174
SLC25A38.	0.000163	0.123319	0.205	0.143	1 CSCL2	SLC25A38
UBE2D1.7	0.000163	-0.23169	0.194	0.27	1 CSCL2	UBE2D1
WRNIP1.5	0.000165	0.116206	0.152	0.101	1 CSCL2	WRNIP1
DHFRL1.6	0.000165	0.137027	0.108	0.064	1 CSCL2	DHFRL1
CAD.3	0.000167	0.114328	0.091	0.051	1 CSCL2	CAD
MAN1B1.6	0.000167	-0.19929	0.152	0.224	1 CSCL2	MAN1B1
TMED1.9	0.000169	-0.25602	0.216	0.294	1 CSCL2	TMED1
ADSSL1.6	0.000172	-0.13884	0.033	0.082	1 CSCL2	ADSSL1
RP11-536K	0.000173	-0.20722	0.004	0.038	1 CSCL2	RP11-536K7.3
HNRNPU-AS	0.000173	0.105906	0.15	0.096	1 CSCL2	HNRNPU-AS1
UBL3.10	0.000173	-0.17732	0.285	0.357	1 CSCL2	UBL3
PKP4.7	0.000174	0.110211	0.093	0.052	1 CSCL2	PKP4
AP1G2.10	0.000176	-0.17452	0.013	0.053	1 CSCL2	AP1G2
SMC5.5	0.000176	0.147812	0.243	0.177	1 CSCL2	SMC5
MAPKAPK5.	0.000177	0.11936	0.249	0.181	1 CSCL2	MAPKAPK5
TRAF7.8	0.000179	0.132231	0.254	0.187	1 CSCL2	TRAF7
SIGLEC1.8	0.000182	-0.14089	0	0.03	1 CSCL2	SIGLEC1
AP005530.	0.000182	-0.14789	0	0.03	1 CSCL2	AP005530.2
EDEM1.8	0.000183	-0.17529	0.033	0.081	1 CSCL2	EDEM1
SPTBN1.11	0.000184	0.172703	0.349	0.271	1 CSCL2	SPTBN1
YME1L1.9	0.000185	-0.2514	0.188	0.263	1 CSCL2	YME1L1
MYNN.5	0.000185	0.111942	0.155	0.101	1 CSCL2	MYNN
TLR3.7	0.000187	-0.15928	0.002	0.034	1 CSCL2	TLR3
TAF9.7	0.000189	0.108066	0.607	0.495	1 CSCL2	TAF9
RASSF7.8	0.000192	-0.13979	0.026	0.072	1 CSCL2	RASSF7
FAM98B.7	0.000192	0.117145	0.143	0.093	1 CSCL2	FAM98B
CASP8.10	0.000193	-0.16785	0.011	0.049	1 CSCL2	CASP8
MIR210HG.	0.000194	-0.15973	0.042	0.093	1 CSCL2	MIR210HG
SLC29A3.8	0.000194	-0.1598	0.009	0.045	1 CSCL2	SLC29A3
LAMP1.10	0.000194	-0.21049	0.519	0.521	1 CSCL2	LAMP1
AQP9.7	0.000195	-0.12755	0	0.03	1 CSCL2	AQP9
HSP90B1.7	0.000196	0.123393	0.768	0.653	1 CSCL2	HSP90B1
CLEC9A.11	0.000196	-0.21269	0.002	0.034	1 CSCL2	CLEC9A
ENPP4.8	0.000198	-0.14538	0.015	0.056	1 CSCL2	ENPP4
UBXN11.8	0.000198	-0.14838	0.077	0.138	1 CSCL2	UBXN11
SKI.7	0.0002	-0.22599	0.093	0.154	1 CSCL2	SKI

UQCC2.7	0.0002	0.106722	0.521	0.423	1	CSCL2	UQCC2
TBC1D17.5	0.0002	-0.21377	0.095	0.158	1	CSCL2	TBC1D17
DSC2.10	0.000202	-0.13286	0.002	0.034	1	CSCL2	DSC2
EDF1.4	0.000202	-0.14003	0.812	0.785	1	CSCL2	EDF1
MTURN.6	0.000203	0.116771	0.126	0.077	1	CSCL2	MTURN
HGF.6	0.000204	-0.13435	0	0.03	1	CSCL2	HGF
IL6.5	0.000207	-0.17811	0.007	0.041	1	CSCL2	IL6
MEX3D.8	0.000207	0.117153	0.102	0.06	1	CSCL2	MEX3D
USP28.1	0.000209	0.124456	0.093	0.053	1	CSCL2	USP28
DHX36.10	0.00021	0.107787	0.534	0.421	1	CSCL2	DHX36
NCOR2.6	0.00021	0.110909	0.3	0.228	1	CSCL2	NCOR2
UCHL5.5	0.000211	0.148619	0.208	0.146	1	CSCL2	UCHL5
KIAA0930.	0.000211	-0.27102	0.088	0.147	1	CSCL2	KIAA0930
OAZ2.2	0.000211	-0.18358	0.472	0.507	1	CSCL2	OAZ2
C12orf4.1	0.000211	0.103624	0.137	0.087	1	CSCL2	C12orf4
HIST1H2BJ	0.000212	0.315989	0.042	0.018	1	CSCL2	HIST1H2BJ
GPX4.6	0.000212	-0.13225	0.865	0.841	1	CSCL2	GPX4
METTL8.5	0.000213	0.127831	0.172	0.118	1	CSCL2	METTL8
ALKBH1	0.000213	0.144663	0.102	0.059	1	CSCL2	ALKBH1
PNPLA4.7	0.000214	-0.24342	0.022	0.064	1	CSCL2	PNPLA4
STARD4.4	0.000215	-0.10707	0.002	0.034	1	CSCL2	STARD4
GEMIN6.5	0.000216	0.103129	0.221	0.16	1	CSCL2	GEMIN6
CSPP1.6	0.000216	0.144785	0.157	0.104	1	CSCL2	CSPP1
LTBP4	0.000216	-0.15143	0.029	0.075	1	CSCL2	LTBP4
STX18.1	0.000218	0.105365	0.221	0.157	1	CSCL2	STX18
ITGB2-AS1	0.000218	-0.15996	0	0.029	1	CSCL2	ITGB2-AS1
FMN1.11	0.00022	-0.12927	0.002	0.033	1	CSCL2	FMN1
INPP1.7	0.00022	0.164692	0.208	0.149	1	CSCL2	INPP1
BCO2.2	0.00022	-0.2066	0.011	0.048	1	CSCL2	BCO2
MTCH1.5	0.000221	0.111601	0.658	0.529	1	CSCL2	MTCH1
ELM01.10	0.000222	-0.34884	0.132	0.192	1	CSCL2	ELM01
RP3-47704	0.000223	-0.14744	0	0.029	1	CSCL2	RP3-47704.14
RP11-489C	0.000223	-0.15646	0	0.029	1	CSCL2	RP11-489018.1
AGBL5.5	0.000224	0.107566	0.128	0.082	1	CSCL2	AGBL5
NDUFB8.7	0.000225	-0.45061	0.018	0.058	1	CSCL2	NDUFB8
ERP44.9	0.000228	-0.26724	0.349	0.397	1	CSCL2	ERP44
AHR.11	0.000228	-0.18692	0.022	0.064	1	CSCL2	AHR
PLA2G4C.4	0.00023	-0.10506	0.009	0.045	1	CSCL2	PLA2G4C
SLFN5.4	0.000231	-0.15538	0.02	0.061	1	CSCL2	SLFN5
PFKFB2.2	0.000231	-0.10831	0.004	0.037	1	CSCL2	PFKFB2
SPOCK1.11	0.000231	-0.20294	0.035	0.083	1	CSCL2	SPOCK1
HRH2.9	0.000232	-0.15729	0.007	0.041	1	CSCL2	HRH2
DNAJC12.3	0.000232	-0.17452	0.035	0.083	1	CSCL2	DNAJC12
SH3KBP1.1	0.000238	-0.21897	0.177	0.244	1	CSCL2	SH3KBP1
CARD11.1C	0.000239	-0.11706	0	0.029	1	CSCL2	CARD11
MTMR10.3	0.000239	-0.15071	0.024	0.068	1	CSCL2	MTMR10
ZNF426.8	0.00024	0.116828	0.163	0.11	1	CSCL2	ZNF426
PRUNE2.9	0.000242	-0.23536	0.064	0.119	1	CSCL2	PRUNE2
COIL.10	0.000242	0.139804	0.247	0.183	1	CSCL2	COIL
CBLN4.13	0.000243	-0.10378	0.033	0.081	1	CSCL2	CBLN4
N4BP2L1.5	0.000243	-0.28412	0.099	0.16	1	CSCL2	N4BP2L1

G6PD. 7	0.000244	-0.19566	0.161	0.231	1	CSCL2	G6PD
MAPK6. 7	0.000246	0.131805	0.232	0.17	1	CSCL2	MAPK6
PRKAG2. 8	0.000248	-0.31076	0.084	0.139	1	CSCL2	PRKAG2
FAM122A. 7	0.000248	0.102184	0.203	0.141	1	CSCL2	FAM122A
UBE2D2. 9	0.00025	0.119044	0.691	0.584	1	CSCL2	UBE2D2
C11orf71. 0	0.000251	-0.18155	0.007	0.041	1	CSCL2	C11orf71
ATPIF1. 3	0.000255	-0.16939	0.607	0.624	1	CSCL2	ATPIF1
NDUFS7. 2	0.000255	-0.18062	0.583	0.619	1	CSCL2	NDUFS7
BACH1. 7	0.00026	-0.18154	0.055	0.11	1	CSCL2	BACH1
ITGA7. 11	0.00026	-0.12383	0.079	0.139	1	CSCL2	ITGA7
EIF4ENIF1	0.000261	0.117157	0.108	0.066	1	CSCL2	EIF4ENIF1
WDFY2. 4	0.000262	-0.14935	0.038	0.086	1	CSCL2	WDFY2
ANAPC7. 9	0.000266	0.122276	0.232	0.169	1	CSCL2	ANAPC7
ITPRIP. 11	0.000267	-0.13179	0.031	0.077	1	CSCL2	ITPRIP
RNASEH1-A	0.000268	0.122432	0.236	0.175	1	CSCL2	RNASEH1-AS1
RINT1. 9	0.000268	0.115191	0.146	0.093	1	CSCL2	RINT1
ZNF217. 5	0.00027	-0.11917	0.04	0.089	1	CSCL2	ZNF217
VPS51. 5	0.000271	0.130155	0.338	0.26	1	CSCL2	VPS51
KLHDC2. 10	0.000277	0.123843	0.384	0.299	1	CSCL2	KLHDC2
STRIP1. 8	0.000278	0.119965	0.179	0.122	1	CSCL2	STRIP1
TMEM50B. 6	0.000279	-0.24111	0.234	0.306	1	CSCL2	TMEM50B
SDCCAG8. 8	0.00028	-0.26797	0.263	0.332	1	CSCL2	SDCCAG8
UNC119B. 6	0.000284	0.115086	0.102	0.061	1	CSCL2	UNC119B
RIT1. 9	0.000284	-0.23606	0.148	0.216	1	CSCL2	RIT1
JAK3. 6	0.000287	-0.11762	0	0.028	1	CSCL2	JAK3
PRDX3. 10	0.000287	-0.27175	0.413	0.469	1	CSCL2	PRDX3
SLK. 1	0.000289	-0.11508	0.026	0.07	1	CSCL2	SLK
TRIM25. 7	0.00029	-0.12643	0.04	0.089	1	CSCL2	TRIM25
FKBP5. 12	0.000291	-0.28331	0.26	0.319	1	CSCL2	FKBP5
METTL2A. 8	0.000293	0.112089	0.216	0.156	1	CSCL2	METTL2A
MOG. 10	0.000295	-0.25167	0.002	0.032	1	CSCL2	MOG
PIFO. 9	0.000295	-0.19886	0.013	0.051	1	CSCL2	PIFO
MESDC2. 7	0.000302	-0.24707	0.336	0.407	1	CSCL2	MESDC2
PIPOX. 11	0.000303	0.284203	0.183	0.13	1	CSCL2	PIPOX
PRR19	0.000306	0.108124	0.049	0.023	1	CSCL2	PRR19
TMEM151A. 0	0.000306	-0.13857	0.009	0.044	1	CSCL2	TMEM151A
PSD4. 5	0.00031	-0.11358	0.002	0.032	1	CSCL2	PSD4
EHD4. 10	0.00031	-0.18639	0.044	0.093	1	CSCL2	EHD4
NADSYN1. 6	0.000311	-0.13813	0.064	0.122	1	CSCL2	NADSYN1
FAM212A. 1	0.000313	-0.21084	0.013	0.05	1	CSCL2	FAM212A
SP140. 11	0.000316	-0.14457	0.002	0.032	1	CSCL2	SP140
CETN2. 10	0.000318	-0.29677	0.256	0.325	1	CSCL2	CETN2
FAM102A. 8	0.000319	-0.18442	0.049	0.1	1	CSCL2	FAM102A
TRIM14. 8	0.000324	-0.14115	0.044	0.094	1	CSCL2	TRIM14
RBMS1. 9	0.000324	-0.15084	0.183	0.253	1	CSCL2	RBMS1
RP11-345F	0.000326	0.16216	0.221	0.162	1	CSCL2	RP11-345P4. 9
PTPN2. 10	0.000327	-0.27305	0.19	0.25	1	CSCL2	PTPN2
RNF135. 11	0.000328	-0.195	0.06	0.113	1	CSCL2	RNF135
CHST14. 4	0.00033	0.130734	0.119	0.076	1	CSCL2	CHST14
MTFMT. 5	0.000333	-0.17262	0.051	0.102	1	CSCL2	MTFMT
UNC119. 8	0.000333	-0.16097	0.15	0.22	1	CSCL2	UNC119

ABHD11.3	0.000333	0.100343	0.232	0.166	1	CSCL2	ABHD11
POLR1E.6	0.000333	0.131056	0.161	0.11	1	CSCL2	POLR1E
BATF.9	0.000335	-0.15237	0.007	0.04	1	CSCL2	BATF
REEP3.8	0.000336	-0.12997	0.177	0.247	1	CSCL2	REEP3
GJB2.8	0.000337	-0.10021	0.013	0.051	1	CSCL2	GJB2
CTNS.3	0.000337	-0.13053	0.038	0.086	1	CSCL2	CTNS
MARCH7.5	0.000338	0.123234	0.329	0.252	1	CSCL2	7-Mar
FAS.4	0.000338	-0.22662	0.026	0.069	1	CSCL2	FAS
TIPARP.9	0.000338	-0.19349	0.11	0.171	1	CSCL2	TIPARP
MPC2.7	0.000339	-0.22425	0.563	0.582	1	CSCL2	MPC2
IRAK4.5	0.00034	-0.16515	0.049	0.1	1	CSCL2	IRAK4
FAM159A.1	0.000341	-0.16559	0.011	0.046	1	CSCL2	FAM159A
KCTD17.7	0.000343	0.144592	0.188	0.133	1	CSCL2	KCTD17
TCEA1.8	0.000343	0.157646	0.609	0.479	1	CSCL2	TCEA1
PTPN22.8	0.000343	-0.12002	0	0.028	1	CSCL2	PTPN22
SCARF1.1C	0.000343	-0.12289	0	0.028	1	CSCL2	SCARF1
TRAPPC6A.0	0.000344	-0.28724	0.19	0.261	1	CSCL2	TRAPPC6A
AP5B1.5	0.000345	-0.12864	0.015	0.053	1	CSCL2	AP5B1
RP11-742E	0.000345	-0.15036	0.002	0.032	1	CSCL2	RP11-742B18.1
RASA3.4	0.000346	-0.1626	0.046	0.096	1	CSCL2	RASA3
C11orf31.0	0.000349	-0.19563	0.656	0.668	1	CSCL2	C11orf31
KCNE3.11	0.000351	-0.11516	0	0.027	1	CSCL2	KCNE3
MOCS2.8	0.000355	0.14131	0.333	0.26	1	CSCL2	MOCS2
EMD.7	0.000358	0.114302	0.36	0.281	1	CSCL2	EMD
CAAP1.2	0.000362	0.115242	0.135	0.088	1	CSCL2	CAAP1
KIAA1191.0	0.000365	0.111591	0.333	0.261	1	CSCL2	KIAA1191
CATSPER1.0	0.000368	-0.14166	0	0.027	1	CSCL2	CATSPER1
HOXD-AS2.0	0.000368	0.141418	0.077	0.043	1	CSCL2	HOXD-AS2
CCPG1.5	0.000374	-0.15123	0.146	0.215	1	CSCL2	CCPG1
WDFY4.10	0.000376	-0.12342	0	0.027	1	CSCL2	WDFY4
BTG2.9	0.000378	-0.28309	0.428	0.469	1	CSCL2	BTG2
TBC1D10C.0	0.00038	-0.15033	0.002	0.031	1	CSCL2	TBC1D10C
QARS.10	0.00038	-0.21233	0.214	0.285	1	CSCL2	QARS
NFAM1.10	0.000382	-0.14697	0.004	0.035	1	CSCL2	NFAM1
CCL4.12	0.000388	-0.58915	0.309	0.325	1	CSCL2	CCL4
NFE2L2.9	0.000393	-0.18796	0.435	0.469	1	CSCL2	NFE2L2
PAPD4.4	0.000393	-0.2373	0.119	0.182	1	CSCL2	PAPD4
ABHD2.7	0.000396	-0.17816	0.163	0.232	1	CSCL2	ABHD2
ACTA2.6	0.000398	-0.15096	0.015	0.053	1	CSCL2	ACTA2
MYD88.6	0.000398	-0.14773	0.075	0.132	1	CSCL2	MYD88
RP11-386I	0.000402	-0.2258	0.026	0.068	1	CSCL2	RP11-386I14.4
MYL9.4	0.000404	-0.13291	0.004	0.035	1	CSCL2	MYL9
MBNL2.6	0.000412	-0.20409	0.049	0.097	1	CSCL2	MBNL2
ZNF467.1C	0.000412	-0.11851	0.004	0.035	1	CSCL2	ZNF467
NAT14.9	0.000412	0.151148	0.236	0.177	1	CSCL2	NAT14
STK32B.7	0.000412	0.116275	0.099	0.06	1	CSCL2	STK32B
C15orf57.0	0.000415	-0.20901	0.071	0.126	1	CSCL2	C15orf57
DPH7.10	0.000417	0.122225	0.225	0.165	1	CSCL2	DPH7
FAT3.9	0.000418	0.125949	0.093	0.055	1	CSCL2	FAT3
CIZ1.7	0.000418	0.147242	0.238	0.177	1	CSCL2	CIZ1
LGALS1.9	0.00042	0.100299	0.102	0.061	1	CSCL2	LGALS1



SLFN12.6	0.000421	-0.1101	0	0.027	1	CSCL2	SLFN12
DRAM1.8	0.000425	-0.12635	0.031	0.075	1	CSCL2	DRAM1
RASSF1.7	0.000425	0.135561	0.219	0.156	1	CSCL2	RASSF1
RABGGTB.4	0.000429	-0.21167	0.23	0.294	1	CSCL2	RABGGTB
ASCL2.12	0.00043	-0.13945	0.007	0.038	1	CSCL2	ASCL2
CYB5R4.11	0.000435	-0.24746	0.117	0.179	1	CSCL2	CYB5R4
PLVAP.8	0.000436	-0.14798	0.002	0.031	1	CSCL2	PLVAP
GOT2.9	0.000439	0.133262	0.256	0.195	1	CSCL2	GOT2
CASP10.7	0.00044	-0.12749	0	0.027	1	CSCL2	CASP10
CLIC4.12	0.000442	0.161966	0.426	0.329	1	CSCL2	CLIC4
SUDS3.11	0.000443	0.123457	0.247	0.186	1	CSCL2	SUDS3
ZNFX1.4	0.000446	-0.18506	0.084	0.143	1	CSCL2	ZNFX1
IQGAP2.7	0.000446	-0.1452	0.093	0.151	1	CSCL2	IQGAP2
SLC7A8.8	0.000449	-0.17162	0.011	0.045	1	CSCL2	SLC7A8
RPS6KB2.6	0.000451	-0.21862	0.161	0.229	1	CSCL2	RPS6KB2
GATM.8	0.000452	-0.22371	0.305	0.354	1	CSCL2	GATM
SLC17A9.1	0.000452	-0.12155	0.002	0.031	1	CSCL2	SLC17A9
SUN2.8	0.000453	0.110758	0.287	0.216	1	CSCL2	SUN2
CTSF.9	0.000454	-0.14507	0.196	0.273	1	CSCL2	CTSF
ATG7.9	0.000454	-0.22745	0.062	0.113	1	CSCL2	ATG7
VAPA.6	0.000456	-0.11333	0.636	0.633	1	CSCL2	VAPA
VHL.5	0.000459	0.12395	0.221	0.161	1	CSCL2	VHL
R3HCC1.8	0.00046	0.104493	0.364	0.283	1	CSCL2	R3HCC1
ACBD4.2	0.00046	-0.10509	0.015	0.053	1	CSCL2	ACBD4
SPAG4.7	0.00046	-0.16119	0.013	0.049	1	CSCL2	SPAG4
PPP1R3B.4	0.000464	-0.15922	0.026	0.068	1	CSCL2	PPP1R3B
SERINC1.4	0.000466	-0.24001	0.371	0.42	1	CSCL2	SERINC1
BTN3A1.1	0.000467	-0.14154	0.031	0.074	1	CSCL2	BTN3A1
HS6ST1.6	0.000467	-0.12501	0.057	0.111	1	CSCL2	HS6ST1
ITSN2.9	0.000468	-0.2122	0.121	0.184	1	CSCL2	ITSN2
MYO7A.10	0.000469	-0.15582	0.004	0.034	1	CSCL2	MYO7A
ITGB7.9	0.000471	-0.11007	0	0.026	1	CSCL2	ITGB7
FKBP1B.6	0.000472	-0.10456	0.068	0.124	1	CSCL2	FKBP1B
SLC25A19.0	0.000474	-0.29389	0.115	0.171	1	CSCL2	SLC25A19
WDR55.4	0.000475	-0.16755	0.066	0.119	1	CSCL2	WDR55
POLR3F.9	0.000475	0.10243	0.19	0.135	1	CSCL2	POLR3F
CTSW.7	0.000477	-0.20098	0.002	0.03	1	CSCL2	CTSW
TBC1D12.1	0.000479	-0.20872	0.06	0.109	1	CSCL2	TBC1D12
USP48.7	0.000481	0.155779	0.278	0.212	1	CSCL2	USP48
TNIK.9	0.000481	-0.10151	0.086	0.146	1	CSCL2	TNIK
TRMT6.6	0.000482	0.104319	0.236	0.176	1	CSCL2	TRMT6
LPP.4	0.000488	-0.17261	0.15	0.22	1	CSCL2	LPP
NDEL1.7	0.000488	-0.22778	0.097	0.156	1	CSCL2	NDEL1
CLIC2.9	0.000488	-0.16291	0.011	0.045	1	CSCL2	CLIC2
SPOCK3.9	0.000489	-0.23307	0.004	0.034	1	CSCL2	SPOCK3
SLC39A1.7	0.000494	-0.28458	0.34	0.389	1	CSCL2	SLC39A1
PMS1.3	0.000496	0.100135	0.168	0.115	1	CSCL2	PMS1
GRWD1.4	0.000498	0.108792	0.21	0.152	1	CSCL2	GRWD1
RBM41.4	0.000503	0.165259	0.13	0.084	1	CSCL2	RBM41
HSF2BP	0.000503	0.107462	0.033	0.014	1	CSCL2	HSF2BP
BCAT1.11	0.000504	-0.12348	0.163	0.234	1	CSCL2	BCAT1

ARMCX5.6	0.000509	0.106065	0.117	0.073	1	CSCL2	ARMCX5
DYRK1A.1	0.000512	0.108119	0.126	0.081	1	CSCL2	DYRK1A
RFXANK.7	0.000515	-0.22702	0.256	0.327	1	CSCL2	RFXANK
HK3.8	0.000516	-0.10038	0	0.026	1	CSCL2	HK3
EMC10.6	0.000518	0.102359	0.55	0.446	1	CSCL2	EMC10
DHX38.4	0.000525	0.108023	0.166	0.113	1	CSCL2	DHX38
CYSLTR1.9	0.000528	-0.11735	0	0.026	1	CSCL2	CYSLTR1
GAB3.9	0.000533	-0.13381	0.004	0.034	1	CSCL2	GAB3
ACSM5.8	0.000534	-0.16203	0.004	0.034	1	CSCL2	ACSM5
ATPAF1.1C	0.000535	0.224495	0.3	0.237	1	CSCL2	ATPAF1
STK10.11	0.000538	-0.17449	0.031	0.073	1	CSCL2	STK10
HMCES.4	0.000539	0.106602	0.225	0.167	1	CSCL2	HMCES
KCNN4.9	0.000541	-0.11023	0.004	0.034	1	CSCL2	KCNN4
ADAM8.11	0.000541	-0.16507	0.011	0.044	1	CSCL2	ADAM8
WDR1.8	0.000544	-0.20636	0.364	0.417	1	CSCL2	WDR1
RP11-258C	0.000545	0.104822	0.055	0.028	1	CSCL2	RP11-258C19.7
AZIN1.7	0.00055	0.131712	0.404	0.327	1	CSCL2	AZIN1
EFNA1.9	0.000553	-0.19254	0.075	0.131	1	CSCL2	EFNA1
TTC5.2	0.000554	0.150031	0.143	0.095	1	CSCL2	TTC5
TBC1D22A.	0.000554	-0.16974	0.071	0.125	1	CSCL2	TBC1D22A
HBP1.2	0.000557	-0.21735	0.17	0.234	1	CSCL2	HBP1
TRMT61B.8	0.000562	0.132411	0.219	0.161	1	CSCL2	TRMT61B
TMEM55A.6	0.000562	-0.1858	0.163	0.235	1	CSCL2	TMEM55A
GPRC5C.4	0.000563	-0.10123	0.029	0.071	1	CSCL2	GPRC5C
OASL.7	0.000563	-0.10648	0.002	0.03	1	CSCL2	OASL
CYP19A1.7	0.000565	-0.12241	0	0.026	1	CSCL2	CYP19A1
RP11-212F	0.000565	0.121617	0.135	0.09	1	CSCL2	RP11-212P7.2
SKP1.10	0.000573	-0.16277	0.896	0.863	1	CSCL2	SKP1
CDK2AP2.8	0.000574	-0.23261	0.265	0.331	1	CSCL2	CDK2AP2
ATG3.10	0.000578	-0.14194	0.313	0.379	1	CSCL2	ATG3
NIPBL.6	0.000581	0.102373	0.305	0.236	1	CSCL2	NIPBL
IFT46.7	0.000582	0.149246	0.157	0.107	1	CSCL2	IFT46
ASB16-AS1	0.000583	0.109238	0.137	0.091	1	CSCL2	ASB16-AS1
MIEN1.3	0.000584	-0.21886	0.442	0.486	1	CSCL2	MIEN1
WARS.8	0.000584	-0.14468	0.139	0.204	1	CSCL2	WARS
UBE2N.7	0.000585	0.117554	0.629	0.517	1	CSCL2	UBE2N
FBLN5.5	0.000587	-0.10916	0.009	0.041	1	CSCL2	FBLN5
LL22NC03-	0.000588	0.107309	0.066	0.036	1	CSCL2	LL22NC03-2H8.5
SART1.5	0.000589	0.127046	0.256	0.196	1	CSCL2	SART1
SLC6A8.6	0.000591	-0.16127	0.066	0.12	1	CSCL2	SLC6A8
VAMP7.5	0.000592	-0.1511	0.106	0.168	1	CSCL2	VAMP7
ASL.10	0.000594	-0.22396	0.115	0.173	1	CSCL2	ASL
PCED1B.1C	0.000595	-0.15843	0.007	0.037	1	CSCL2	PCED1B
BAG4.1	0.000596	0.136378	0.15	0.102	1	CSCL2	BAG4
NDUFA7.9	0.000597	-0.34982	0.011	0.044	1	CSCL2	NDUFA7
TNFAIP8L3	0.000599	-0.11384	0.002	0.03	1	CSCL2	TNFAIP8L3
GNPDA1.5	0.000601	-0.21438	0.172	0.242	1	CSCL2	GNPDA1
CSF2RB.8	0.000605	-0.10173	0	0.025	1	CSCL2	CSF2RB
TLR10.10	0.000605	-0.11751	0	0.025	1	CSCL2	TLR10
CPED1.10	0.00061	-0.12641	0.004	0.033	1	CSCL2	CPED1
H6PD.3	0.000612	-0.17315	0.049	0.096	1	CSCL2	H6PD

DYRK4. 4	0.000612	-0.1819	0.15	0.22	1 CSCL2	DYRK4
ARSG. 4	0.000618	-0.17368	0.042	0.087	1 CSCL2	ARSG
KLHDC8B. 6	0.000625	-0.131	0.055	0.105	1 CSCL2	KLHDC8B
ACO1. 1	0.000626	0.101646	0.143	0.095	1 CSCL2	ACO1
DCAKD. 10	0.000629	0.137825	0.188	0.137	1 CSCL2	DCAKD
ZFP36L2. 1	0.00063	-0.27331	0.521	0.515	1 CSCL2	ZFP36L2
NEDD8. 5	0.000632	-0.1725	0.744	0.745	1 CSCL2	NEDD8
RP5-940J5	0.000632	-0.33749	0.108	0.164	1 CSCL2	RP5-940J5. 9
ITGAL. 6	0.000633	-0.1233	0	0.025	1 CSCL2	ITGAL
L3HYPDH. 5	0.000635	-0.14748	0.073	0.127	1 CSCL2	L3HYPDH
ISOC2. 10	0.000636	-0.18435	0.287	0.352	1 CSCL2	ISOC2
PORCN. 1	0.000637	-0.12315	0.038	0.083	1 CSCL2	PORCN
HDDC3. 6	0.000655	-0.19512	0.093	0.151	1 CSCL2	HDDC3
FCER1A. 6	0.000662	-0.13506	0	0.025	1 CSCL2	FCER1A
CCDC69. 10	0.000662	-0.12286	0.007	0.037	1 CSCL2	CCDC69
TOLLIP. 2	0.000667	-0.18742	0.201	0.268	1 CSCL2	TOLLIP
MTA2. 1	0.000675	0.1298	0.104	0.065	1 CSCL2	MTA2
RNF125. 6	0.000677	-0.1203	0	0.025	1 CSCL2	RNF125
SPATA6. 6	0.000679	-0.11745	0.099	0.158	1 CSCL2	SPATA6
SLC48A1. 7	0.000681	-0.23804	0.082	0.134	1 CSCL2	SLC48A1
NFATC1. 6	0.000685	-0.14798	0.018	0.054	1 CSCL2	NFATC1
KCMF1. 8	0.000689	0.123984	0.247	0.189	1 CSCL2	KCMF1
DLGAP1-AS	0.00069	-0.18385	0.046	0.093	1 CSCL2	DLGAP1-AS1
MAP1LC3B.	0.000692	-0.16722	0.545	0.567	1 CSCL2	MAP1LC3B
PCYT2. 8	0.000692	-0.10251	0.102	0.162	1 CSCL2	PCYT2
IFNLR1. 7	0.000693	-0.12466	0	0.025	1 CSCL2	IFNLR1
RAB42. 7	0.000696	-0.1117	0.015	0.051	1 CSCL2	RAB42
COLGALT1.	0.000702	-0.23863	0.135	0.194	1 CSCL2	COLGALT1
HSPA14. 6	0.000702	0.118621	0.192	0.14	1 CSCL2	HSPA14
TOMM7. 6	0.000707	-0.20435	0.854	0.852	1 CSCL2	TOMM7
RP1-79C4.	0.000709	0.112541	0.084	0.05	1 CSCL2	RP1-79C4. 4
VIMP. 5	0.00071	-0.251	0.424	0.458	1 CSCL2	VIMP
TAB2. 6	0.000712	-0.13382	0.075	0.128	1 CSCL2	TAB2
TPI1. 7	0.00072	-0.10625	0.923	0.863	1 CSCL2	TPI1
MLKL. 8	0.000721	-0.11879	0.002	0.029	1 CSCL2	MLKL
CTA-384D8	0.000725	-0.10718	0	0.025	1 CSCL2	CTA-384D8. 34
APOL2. 8	0.000732	-0.22834	0.053	0.101	1 CSCL2	APOL2
MFSD7. 11	0.000735	-0.10443	0.004	0.033	1 CSCL2	MFSD7
TBC1D9B. 5	0.000739	-0.14166	0.104	0.162	1 CSCL2	TBC1D9B
SCRN2. 4	0.000743	-0.18921	0.115	0.175	1 CSCL2	SCRN2
SLC24A2. 9	0.000744	-0.15897	0.004	0.033	1 CSCL2	SLC24A2
ITGAV. 9	0.000746	-0.19396	0.221	0.281	1 CSCL2	ITGAV
DAPP1. 11	0.000748	-0.13189	0.002	0.029	1 CSCL2	DAPP1
PLEKHM2. 3	0.000749	-0.17649	0.055	0.104	1 CSCL2	PLEKHM2
PEX16. 1	0.000759	-0.22094	0.163	0.23	1 CSCL2	PEX16
WWP1. 2	0.000768	-0.11367	0.029	0.069	1 CSCL2	WWP1
SLC39A13.	0.00077	-0.15504	0.082	0.138	1 CSCL2	SLC39A13
SLC46A3. 8	0.000777	-0.17902	0.022	0.059	1 CSCL2	SLC46A3
SEC14L1. 8	0.000781	-0.20184	0.227	0.294	1 CSCL2	SEC14L1
FNTB. 5	0.000786	0.134918	0.128	0.084	1 CSCL2	FNTB
IL27RA. 5	0.000795	-0.10884	0.02	0.057	1 CSCL2	IL27RA

OTP. 3	0.000795	0.134364	0.075	0.044	1 CSCL2	OTP
CDC26. 6	0.000798	-0.16965	0.199	0.265	1 CSCL2	CDC26
SLC17A5. 8	0.000802	-0.2067	0.06	0.108	1 CSCL2	SLC17A5
COL16A1. 9	0.000806	-0.10535	0.033	0.076	1 CSCL2	COL16A1
SPTAN1. 1C	0.000808	0.12277	0.327	0.257	1 CSCL2	SPTAN1
PIP5K1A. 3	0.00081	0.110134	0.199	0.144	1 CSCL2	PIP5K1A
ZNF644. 6	0.000817	0.134244	0.316	0.25	1 CSCL2	ZNF644
SLC35C1. 1	0.000819	-0.13244	0.035	0.077	1 CSCL2	SLC35C1
DNAJB12. 1	0.000825	-0.20814	0.095	0.15	1 CSCL2	DNAJB12
ENPP2. 7	0.00083	-0.24495	0.013	0.046	1 CSCL2	ENPP2
PTCRA. 8	0.00083	-0.11517	0	0.024	1 CSCL2	PTCRA
SPNS3. 9	0.00083	-0.121	0	0.024	1 CSCL2	SPNS3
RP11-597D	0.00083	-0.13712	0	0.024	1 CSCL2	RP11-597D13. 8
SIDT1. 7	0.00083	-0.13809	0	0.024	1 CSCL2	SIDT1
TBC1D4. 8	0.000832	-0.1644	0.015	0.049	1 CSCL2	TBC1D4
MANEAL. 2	0.00085	0.100051	0.068	0.038	1 CSCL2	MANEAL
SIGMAR1. 5	0.000862	0.121066	0.223	0.17	1 CSCL2	SIGMAR1
SLC29A1. 1	0.000874	-0.32457	0.091	0.139	1 CSCL2	SLC29A1
CYB561D2. 0	0.000877	-0.2901	0.168	0.228	1 CSCL2	CYB561D2
LRPPRC. 6	0.000878	0.127901	0.221	0.166	1 CSCL2	LRPPRC
TMEM140. 7	0.000902	-0.14057	0.015	0.049	1 CSCL2	TMEM140
FECH. 3	0.000907	-0.1122	0.071	0.123	1 CSCL2	FECH
CUL3. 9	0.000911	0.113534	0.258	0.198	1 CSCL2	CUL3
PGAM4	0.000911	0.103497	0.022	0.008	1 CSCL2	PGAM4
ATP5C1. 7	0.000913	-0.15771	0.596	0.586	1 CSCL2	ATP5C1
MTFP1. 5	0.00092	-0.13997	0.029	0.069	1 CSCL2	MTFP1
TMEM192. 3	0.00092	-0.1704	0.13	0.192	1 CSCL2	TMEM192
AP006222. 0	0.000927	-0.20358	0.15	0.213	1 CSCL2	AP006222. 2
HAAO. 11	0.00093	-0.12877	0	0.024	1 CSCL2	HAAO
TRIM21. 2	0.000933	-0.10587	0.011	0.043	1 CSCL2	TRIM21
ACSL5. 12	0.000938	-0.13142	0.007	0.035	1 CSCL2	ACSL5
GALT. 5	0.00094	-0.14623	0.04	0.083	1 CSCL2	GALT
RAB11FIP1	0.000945	-0.11118	0.002	0.028	1 CSCL2	RAB11FIP1
QRSL1. 3	0.000948	0.126523	0.172	0.124	1 CSCL2	QRSL1
ST3GAL1. 1	0.000956	-0.18097	0.057	0.104	1 CSCL2	ST3GAL1
DNALI1. 1C	0.000956	0.151932	0.157	0.111	1 CSCL2	DNALI1
RPS6KA4. 1	0.000957	-0.17195	0.073	0.124	1 CSCL2	RPS6KA4
FERMT2. 1C	0.000957	0.157632	0.26	0.2	1 CSCL2	FERMT2
CIITA. 8	0.000961	-0.14485	0.009	0.039	1 CSCL2	CIITA
EEPD1. 8	0.000962	-0.16537	0.033	0.073	1 CSCL2	EEPD1
SERGEF. 6	0.000969	-0.17573	0.11	0.17	1 CSCL2	SERGEF
TMEM216. 3	0.000978	-0.21151	0.04	0.082	1 CSCL2	TMEM216
CTS0. 1	0.000979	-0.13038	0.064	0.114	1 CSCL2	CTS0
AP000439. 0	0.000983	-0.13618	0.002	0.028	1 CSCL2	AP000439. 1
OSTC. 9	0.000983	-0.26108	0.481	0.504	1 CSCL2	OSTC
TMED5. 10	0.000994	-0.25012	0.249	0.308	1 CSCL2	TMED5
DHRS9. 7	0.000995	-0.16736	0	0.023	1 CSCL2	DHRS9
RP11-403I	0.000997	-0.19348	0.007	0.035	1 CSCL2	RP11-403I13. 5
KIAA0513. 0	0.001006	-0.11385	0.013	0.046	1 CSCL2	KIAA0513
CD2AP. 6	0.001009	-0.10351	0.04	0.083	1 CSCL2	CD2AP
SUPT4H1. 5	0.001018	-0.20014	0.457	0.496	1 CSCL2	SUPT4H1

DNAJC22.1	0.001019	0.110774	0.06	0.032	1	CSCL2	DNAJC22
RPS6KA2.4	0.001025	-0.12287	0.064	0.113	1	CSCL2	RPS6KA2
HEXIM1.6	0.001032	-0.18169	0.159	0.221	1	CSCL2	HEXIM1
PPP1R11.5	0.001032	-0.20168	0.302	0.362	1	CSCL2	PPP1R11
ARF1.8	0.001033	-0.16588	0.709	0.693	1	CSCL2	ARF1
PLAGL1.8	0.001037	-0.12548	0.011	0.042	1	CSCL2	PLAGL1
TANC1.11	0.001038	0.105239	0.152	0.106	1	CSCL2	TANC1
CTD-3138E	0.00104	-0.13331	0.04	0.083	1	CSCL2	CTD-3138B18.5
TUBA4A.7	0.001049	-0.17825	0.02	0.055	1	CSCL2	TUBA4A
LRRC59.8	0.001049	0.100886	0.442	0.354	1	CSCL2	LRRC59
FLOT2.7	0.00106	-0.18444	0.126	0.188	1	CSCL2	FLOT2
METTL9.12	0.001068	0.104369	0.565	0.464	1	CSCL2	METTL9
DR1.4	0.001078	0.167273	0.291	0.232	1	CSCL2	DR1
CCL5.8	0.00108	-0.3479	0.022	0.057	1	CSCL2	CCL5
ARF3.6	0.001088	-0.20809	0.327	0.38	1	CSCL2	ARF3
MS4A14.9	0.00109	-0.11178	0	0.023	1	CSCL2	MS4A14
TMEM209.6	0.001097	0.124961	0.163	0.116	1	CSCL2	TMEM209
ALOX15B.1	0.001099	-0.13893	0.002	0.027	1	CSCL2	ALOX15B
CTNNA1.5	0.001102	-0.22083	0.377	0.423	1	CSCL2	CTNNA1
CDCP1.9	0.001105	-0.13146	0.007	0.035	1	CSCL2	CDCP1
EFNA3.7	0.001112	-0.1301	0.024	0.061	1	CSCL2	EFNA3
RNPEPL1.8	0.001125	-0.21886	0.082	0.132	1	CSCL2	RNPEPL1
IQCG.7	0.001142	-0.16127	0.073	0.124	1	CSCL2	IQCG
COLEC12.4	0.001155	-0.12824	0.007	0.035	1	CSCL2	COLEC12
RBM5.8	0.001156	0.110869	0.344	0.276	1	CSCL2	RBM5
CHRNE.9	0.001158	-0.12274	0.002	0.027	1	CSCL2	CHRNE
PROSER1.4	0.001162	0.1026	0.113	0.072	1	CSCL2	PROSER1
FAM92A1.1	0.001168	0.143465	0.256	0.199	1	CSCL2	FAM92A1
ZNF559.9	0.001178	0.119952	0.194	0.143	1	CSCL2	ZNF559
IFT20.2	0.00118	-0.16581	0.274	0.347	1	CSCL2	IFT20
UBXN1.7	0.001181	-0.21535	0.609	0.621	1	CSCL2	UBXN1
PRMT7.3	0.00119	0.144554	0.143	0.099	1	CSCL2	PRMT7
GTF2B.6	0.00119	-0.28167	0.252	0.302	1	CSCL2	GTF2B
IPCEF1.5	0.001193	-0.1059	0	0.023	1	CSCL2	IPCEF1
CSNK1D.9	0.001197	-0.22894	0.309	0.362	1	CSCL2	CSNK1D
SF3A1.5	0.001222	0.117265	0.225	0.172	1	CSCL2	SF3A1
REST.7	0.001223	0.172809	0.247	0.196	1	CSCL2	REST
P2RY11.1C	0.001223	-0.20133	0.046	0.088	1	CSCL2	P2RY11
UBE2W.4	0.001228	-0.15994	0.155	0.216	1	CSCL2	UBE2W
ST6GAL1.1	0.001234	-0.29005	0.068	0.112	1	CSCL2	ST6GAL1
KIAA1143.0	0.001235	0.103303	0.272	0.208	1	CSCL2	KIAA1143
USP32.1	0.001246	-0.12442	0.055	0.102	1	CSCL2	USP32
AZGP1.8	0.001258	-0.15242	0.022	0.058	1	CSCL2	AZGP1
DNAJC15.1	0.00127	-0.25571	0.338	0.392	1	CSCL2	DNAJC15
NCEH1.9	0.001273	-0.1168	0.031	0.07	1	CSCL2	NCEH1
RP11-353N	0.001277	-0.10887	0	0.022	1	CSCL2	RP11-353N4.5
ZCCHC17.7	0.001284	0.109036	0.428	0.348	1	CSCL2	ZCCHC17
FUCA2.11	0.001286	-0.25632	0.19	0.245	1	CSCL2	FUCA2
WDR48.6	0.001289	0.114407	0.188	0.136	1	CSCL2	WDR48
CCR5.8	0.001294	-0.10713	0.002	0.026	1	CSCL2	CCR5
BGN.10	0.001298	-0.24194	0.029	0.066	1	CSCL2	BGN

TNF. 10	0.001301	-0.18644	0.013	0.044	1	CSCL2	TNF
TREML1. 9	0.001307	-0.11311	0	0.022	1	CSCL2	TREML1
UBL4A. 9	0.001309	0.10152	0.238	0.18	1	CSCL2	UBL4A
IFIT2. 8	0.001316	-0.17434	0.042	0.084	1	CSCL2	IFIT2
RAB3IL1. 8	0.001324	-0.11296	0.007	0.034	1	CSCL2	RAB3IL1
TMEM70. 9	0.001335	-0.23627	0.347	0.397	1	CSCL2	TMEM70
MMP7. 7	0.001337	-0.23255	0.004	0.03	1	CSCL2	MMP7
RP11-140K	0.001341	-0.13542	0.04	0.082	1	CSCL2	RP11-140K17. 3
UBXN6. 6	0.001358	-0.15846	0.236	0.302	1	CSCL2	UBXN6
BNIP3. 10	0.00136	-0.10594	0.152	0.217	1	CSCL2	BNIP3
METTL10. 3	0.001364	0.111164	0.155	0.107	1	CSCL2	METTL10
EML2. 5	0.001367	-0.11708	0.042	0.085	1	CSCL2	EML2
THSD4. 6	0.001368	0.151933	0.049	0.025	1	CSCL2	THSD4
B3GALT4. 8	0.001368	-0.13123	0.013	0.044	1	CSCL2	B3GALT4
MAP3K5. 6	0.001369	-0.10757	0.018	0.051	1	CSCL2	MAP3K5
ABCG1. 10	0.001375	-0.25236	0.086	0.133	1	CSCL2	ABCG1
SSSCA1. 4	0.001378	-0.18694	0.128	0.19	1	CSCL2	SSSCA1
HAP1. 7	0.001381	-0.10658	0.031	0.07	1	CSCL2	HAP1
HSPB8. 8	0.00142	-0.16844	0.011	0.041	1	CSCL2	HSPB8
TPMT. 10	0.00143	-0.21559	0.139	0.194	1	CSCL2	TPMT
DMWD. 10	0.001431	0.128382	0.188	0.14	1	CSCL2	DMWD
CLYBL. 4	0.001433	-0.14753	0.026	0.063	1	CSCL2	CLYBL
FAM168B. 7	0.001434	0.109541	0.212	0.161	1	CSCL2	FAM168B
VNN2. 9	0.001437	-0.10214	0.002	0.026	1	CSCL2	VNN2
GREM1. 5	0.00144	-0.25834	0.007	0.034	1	CSCL2	GREM1
FAM65C. 1	0.001443	-0.10365	0.004	0.03	1	CSCL2	FAM65C
ITGA4. 11	0.001446	-0.146	0.013	0.044	1	CSCL2	ITGA4
SIRT6. 5	0.001461	0.121685	0.249	0.193	1	CSCL2	SIRT6
ENO2. 9	0.001462	0.196437	0.349	0.281	1	CSCL2	ENO2
SHISA5. 4	0.001464	-0.1699	0.267	0.327	1	CSCL2	SHISA5
TMEM5. 9	0.001466	-0.16041	0.148	0.211	1	CSCL2	TMEM5
CRTAP. 12	0.001467	-0.1658	0.177	0.239	1	CSCL2	CRTAP
BAP1. 5	0.001469	0.108936	0.188	0.138	1	CSCL2	BAP1
SF3B5. 4	0.001471	-0.18657	0.631	0.63	1	CSCL2	SF3B5
YES1. 7	0.001479	0.164443	0.174	0.129	1	CSCL2	YES1
PSMA2. 7	0.001491	-0.40462	0.026	0.062	1	CSCL2	PSMA2
B3GNT5. 11	0.001503	-0.10691	0.093	0.143	1	CSCL2	B3GNT5
DNAJB9. 9	0.001511	-0.31425	0.351	0.386	1	CSCL2	DNAJB9
SERPINB8. 0	0.001511	-0.18109	0.04	0.08	1	CSCL2	SERPINB8
ZNF664. 10	0.001516	0.11066	0.199	0.147	1	CSCL2	ZNF664
PLXNA4. 9	0.001522	-0.12575	0.038	0.078	1	CSCL2	PLXNA4
RRP12. 1	0.001524	-0.11023	0.013	0.044	1	CSCL2	RRP12
IL1R2. 8	0.001534	-0.10894	0.004	0.03	1	CSCL2	IL1R2
ACADS. 4	0.001535	-0.15225	0.071	0.12	1	CSCL2	ACADS
SGSM3. 3	0.001556	0.103336	0.247	0.188	1	CSCL2	SGSM3
PTBP3. 7	0.001564	-0.17492	0.066	0.113	1	CSCL2	PTBP3
N4BP2. 6	0.001566	0.145265	0.161	0.115	1	CSCL2	N4BP2
RNF19B. 5	0.001567	-0.13525	0.02	0.053	1	CSCL2	RNF19B
SMIM3. 9	0.001578	-0.36364	0.009	0.037	1	CSCL2	SMIM3
SURF2. 10	0.001578	0.107286	0.287	0.23	1	CSCL2	SURF2
SSR1. 9	0.001589	-0.21185	0.433	0.47	1	CSCL2	SSR1

DESI1.6	0.001593	-0.13656	0.119	0.177	1	CSCL2	DESI1
MAN2B1.9	0.001593	-0.14537	0.031	0.069	1	CSCL2	MAN2B1
RFFL.13	0.001593	-0.13453	0.113	0.167	1	CSCL2	RFFL
CKAP4.11	0.001607	0.105104	0.265	0.207	1	CSCL2	CKAP4
CNN2.7	0.001608	-0.1609	0.031	0.068	1	CSCL2	CNN2
SLC35F2.8	0.001628	-0.10103	0.062	0.11	1	CSCL2	SLC35F2
LIX1.4	0.00164	-0.10219	0	0.021	1	CSCL2	LIX1
VPS26B.1C	0.00165	0.17285	0.285	0.229	1	CSCL2	VPS26B
HIST2H2AA	0.001654	-0.19211	0.029	0.065	1	CSCL2	HIST2H2AA3
GJB1.9	0.001658	-0.17358	0.002	0.026	1	CSCL2	GJB1
AC069363.	0.001663	-0.23548	0.02	0.052	1	CSCL2	AC069363.1
RUNX2.8	0.001677	-0.11312	0.004	0.03	1	CSCL2	RUNX2
TBC1D2B.1	0.001681	-0.15015	0.02	0.053	1	CSCL2	TBC1D2B
GTPBP3.6	0.001686	0.126668	0.157	0.111	1	CSCL2	GTPBP3
TNFRSF11A	0.001693	-0.10119	0.002	0.025	1	CSCL2	TNFRSF11A
TMEM230.2	0.001695	-0.15299	0.64	0.615	1	CSCL2	TMEM230
FBXW5.9	0.001697	-0.11316	0.225	0.291	1	CSCL2	FBXW5
ZNF266.1	0.001697	0.163066	0.121	0.081	1	CSCL2	ZNF266
CARNS1.1C	0.001702	-0.20981	0.004	0.029	1	CSCL2	CARNS1
CPNE2.11	0.001712	0.242484	0.225	0.175	1	CSCL2	CPNE2
VIM-AS1.5	0.001712	-0.1752	0.066	0.114	1	CSCL2	VIM-AS1
PHKG2.8	0.001716	-0.21861	0.104	0.157	1	CSCL2	PHKG2
MRO.8	0.001716	-0.11395	0	0.021	1	CSCL2	MRO
TBC1D16.4	0.00173	-0.15271	0.084	0.136	1	CSCL2	TBC1D16
HINT2.7	0.001734	0.178764	0.411	0.343	1	CSCL2	HINT2
CAMK2D.1C	0.001743	-0.17144	0.19	0.246	1	CSCL2	CAMK2D
CCDC109B.	0.00175	-0.11026	0.276	0.352	1	CSCL2	CCDC109B
SORBS3.9	0.001752	0.119848	0.221	0.17	1	CSCL2	SORBS3
ATG4C.6	0.001756	0.115098	0.19	0.137	1	CSCL2	ATG4C
THAP11.7	0.001768	0.111416	0.225	0.174	1	CSCL2	THAP11
BLOC1S1.7	0.001773	-0.22451	0.656	0.648	1	CSCL2	BLOC1S1
TSSC4.8	0.001774	0.109884	0.38	0.309	1	CSCL2	TSSC4
RGN.9	0.001775	-0.16186	0.035	0.074	1	CSCL2	RGN
NCDN.7	0.001775	-0.10201	0.049	0.092	1	CSCL2	NCDN
CSK.12	0.00181	-0.1949	0.099	0.149	1	CSCL2	CSK
SLC25A14.	0.001816	0.105156	0.13	0.089	1	CSCL2	SLC25A14
EFEMP1.1C	0.001878	-0.66543	0.179	0.223	1	CSCL2	EFEMP1
CEACAM21.	0.001879	-0.1029	0	0.021	1	CSCL2	CEACAM21
IDNK.5	0.001891	-0.17804	0.053	0.097	1	CSCL2	IDNK
SEPHS1.7	0.001894	0.110232	0.155	0.111	1	CSCL2	SEPHS1
OTOA.10	0.001916	-0.11915	0.007	0.033	1	CSCL2	OTOA
CP.7	0.001921	-0.11624	0.004	0.029	1	CSCL2	CP
MT1H.5	0.001923	-0.12151	0	0.021	1	CSCL2	MT1H
PRRG4.10	0.001927	-0.12337	0.015	0.046	1	CSCL2	PRRG4
ERMN.11	0.001956	-0.34207	0.011	0.039	1	CSCL2	ERMN
CES4A.4	0.001967	-0.12181	0	0.021	1	CSCL2	CES4A
PRMT3.5	0.001968	0.108038	0.128	0.088	1	CSCL2	PRMT3
UBE2F.3	0.001988	-0.20441	0.272	0.332	1	CSCL2	UBE2F
ANKRD28.6	0.001989	-0.14053	0.068	0.115	1	CSCL2	ANKRD28
FEZ2.8	0.001992	-0.10649	0.411	0.45	1	CSCL2	FEZ2
FADS3.6	0.001993	-0.15699	0.099	0.151	1	CSCL2	FADS3

MEF2D. 3	0.001996	-0.18066	0.038	0.075	1 CSCL2	MEF2D
KRI1. 4	0.002006	0.110456	0.143	0.102	1 CSCL2	KRI1
IGFBP6. 9	0.002018	-0.18775	0.031	0.067	1 CSCL2	IGFBP6
PTK7. 7	0.002023	0.111695	0.132	0.092	1 CSCL2	PTK7
CMTM3. 12	0.002031	-0.20817	0.274	0.326	1 CSCL2	CMTM3
HP. 7	0.002035	-0.3069	0.002	0.025	1 CSCL2	HP
RNF26. 7	0.002036	0.143249	0.203	0.156	1 CSCL2	RNF26
ATP13A3. 7	0.002082	-0.10098	0.099	0.152	1 CSCL2	ATP13A3
COMTD1. 7	0.002091	-0.1214	0.026	0.061	1 CSCL2	COMTD1
IQSEC2. 3	0.002091	-0.12346	0.022	0.055	1 CSCL2	IQSEC2
LYSMD2. 7	0.002102	-0.14603	0.137	0.195	1 CSCL2	LYSMD2
DOK5. 11	0.002119	-0.2264	0.132	0.185	1 CSCL2	DOK5
SRP14. 6	0.002139	-0.11341	0.887	0.866	1 CSCL2	SRP14
TVP23A. 3	0.002152	-0.12774	0.009	0.036	1 CSCL2	TVP23A
RETN. 9	0.002154	-0.11111	0	0.02	1 CSCL2	RETN
CAPZA1. 1C	0.002165	-0.19639	0.344	0.394	1 CSCL2	CAPZA1
SLC12A7. 6	0.002173	-0.11105	0.013	0.042	1 CSCL2	SLC12A7
ENOSF1. 1C	0.00218	-0.14344	0.077	0.126	1 CSCL2	ENOSF1
ACAA1. 5	0.002199	-0.15951	0.294	0.351	1 CSCL2	ACAA1
TMEM256. 7	0.00221	-0.28026	0.391	0.432	1 CSCL2	TMEM256
APC. 11	0.002218	0.101735	0.272	0.211	1 CSCL2	APC
FHOD1. 11	0.002219	-0.15644	0.024	0.057	1 CSCL2	FHOD1
SMOX. 10	0.002227	-0.23748	0.192	0.249	1 CSCL2	SMOX
ICAM2. 12	0.002235	-0.14591	0.009	0.035	1 CSCL2	ICAM2
HMOX2. 8	0.002249	-0.27735	0.241	0.297	1 CSCL2	HMOX2
HLX. 6	0.002253	-0.14193	0.013	0.042	1 CSCL2	HLX
PALM. 9	0.002269	0.143209	0.143	0.102	1 CSCL2	PALM
KANSL1. 9	0.002279	0.120343	0.216	0.163	1 CSCL2	KANSL1
SLC1A2. 9	0.002286	0.193121	0.181	0.133	1 CSCL2	SLC1A2
ETFB. 6	0.002296	-0.15478	0.457	0.502	1 CSCL2	ETFB
DZIP3. 8	0.002301	0.147647	0.174	0.129	1 CSCL2	DZIP3
ARSK. 1	0.002303	0.1019	0.084	0.052	1 CSCL2	ARSK
AIDA. 6	0.002305	-0.18439	0.179	0.238	1 CSCL2	AIDA
CAPS. 7	0.002323	-0.12251	0.035	0.073	1 CSCL2	CAPS
AIG1. 5	0.002338	-0.26453	0.28	0.336	1 CSCL2	AIG1
RP11-514C	0.002352	-0.10821	0.004	0.028	1 CSCL2	RP11-514012. 4
TEX261. 7	0.002359	0.157358	0.214	0.164	1 CSCL2	TEX261
PLA2G2A. 6	0.002381	-0.40656	0.011	0.038	1 CSCL2	PLA2G2A
RP4-613B2	0.002382	-0.10947	0.009	0.035	1 CSCL2	RP4-613B23. 1
TMEM245. 4	0.002425	0.14011	0.179	0.132	1 CSCL2	TMEM245
DNAAF1. 8	0.002434	-0.16045	0.004	0.028	1 CSCL2	DNAAF1
KIF13B. 3	0.002438	-0.13094	0.038	0.075	1 CSCL2	KIF13B
SLC30A1. 4	0.002441	-0.10297	0.049	0.091	1 CSCL2	SLC30A1
TMOD3. 10	0.002455	-0.14093	0.095	0.146	1 CSCL2	TMOD3
SYTL2. 9	0.002457	-0.15627	0.04	0.077	1 CSCL2	SYTL2
LINC00493	0.002465	-0.21558	0.532	0.53	1 CSCL2	LINC00493
KIAA1429. 0	0.002469	0.108794	0.152	0.108	1 CSCL2	KIAA1429
RP11-557H	0.002483	-0.13955	0.004	0.028	1 CSCL2	RP11-557H15. 4
EEF1D. 10	0.00249	-0.17297	0.837	0.845	1 CSCL2	EEF1D
SMAGP. 5	0.002495	-0.11074	0.046	0.087	1 CSCL2	SMAGP
UHMK1. 6	0.002502	-0.13615	0.148	0.205	1 CSCL2	UHMK1



MBNL1.10	0.002512	-0.22373	0.172	0.226	1	CSCL2	MBNL1
UTRN.7	0.002539	-0.1211	0.066	0.111	1	CSCL2	UTRN
RAB3A.11	0.002546	-0.18547	0.115	0.166	1	CSCL2	RAB3A
MTMR2.7	0.002549	0.114835	0.19	0.144	1	CSCL2	MTMR2
ZNF33A.6	0.002557	-0.17406	0.06	0.103	1	CSCL2	ZNF33A
RP1-293L6	0.002562	0.116326	0.024	0.01	1	CSCL2	RP1-293L6.1
HS3ST1.1C	0.002568	-0.24424	0.051	0.089	1	CSCL2	HS3ST1
RAB40B.1C	0.002575	-0.17143	0.084	0.132	1	CSCL2	RAB40B
RALB.10	0.002575	-0.19358	0.108	0.159	1	CSCL2	RALB
CAPN3.10	0.002578	-0.28536	0.015	0.044	1	CSCL2	CAPN3
STX12.3	0.002579	-0.2439	0.366	0.409	1	CSCL2	STX12
ARHGAP35.	0.002581	0.109541	0.192	0.144	1	CSCL2	ARHGAP35
HHATL.5	0.002585	-0.1167	0	0.02	1	CSCL2	HHATL
CMIP.7	0.002596	-0.1981	0.124	0.175	1	CSCL2	CMIP
FBLIM1.5	0.002601	-0.13	0.049	0.09	1	CSCL2	FBLIM1
CSGALNACT	0.002611	-0.22268	0.04	0.076	1	CSCL2	CSGALNACT1
ZNF780A.6	0.00262	-0.14778	0.033	0.069	1	CSCL2	ZNF780A
SEMA6D.13	0.002625	-0.13494	0.108	0.159	1	CSCL2	SEMA6D
TGFBR1.11	0.002636	-0.19597	0.115	0.164	1	CSCL2	TGFBR1
CITED1.12	0.002646	-0.22207	0.104	0.153	1	CSCL2	CITED1
IGSF8.9	0.002663	-0.1666	0.157	0.215	1	CSCL2	IGSF8
EPRS.7	0.002664	0.143714	0.353	0.292	1	CSCL2	EPRS
RP11-212I	0.002683	-0.11428	0.002	0.024	1	CSCL2	RP11-212I21.4
RP11-156K	0.002705	-0.10003	0	0.019	1	CSCL2	RP11-156K13.3
ARPC4.12	0.002712	-0.1774	0.499	0.514	1	CSCL2	ARPC4
PLA2G5.11	0.002713	-0.11685	0.064	0.11	1	CSCL2	PLA2G5
MAP2K1.1C	0.002718	-0.17972	0.212	0.271	1	CSCL2	MAP2K1
SCAPER.3	0.002781	0.158594	0.155	0.111	1	CSCL2	SCAPER
CCNY.7	0.002799	-0.14252	0.066	0.11	1	CSCL2	CCNY
UBALD2.7	0.002824	0.123218	0.318	0.257	1	CSCL2	UBALD2
CTDSP1.9	0.002834	-0.23851	0.172	0.224	1	CSCL2	CTDSP1
ACER3.11	0.002842	-0.22182	0.135	0.187	1	CSCL2	ACER3
MAST3.4	0.002846	-0.13172	0.042	0.08	1	CSCL2	MAST3
ACTR2.13	0.002851	-0.21171	0.433	0.46	1	CSCL2	ACTR2
LTB4R.9	0.002854	-0.1073	0.009	0.034	1	CSCL2	LTB4R
TMA7.8	0.00287	-0.15247	0.861	0.851	1	CSCL2	TMA7
TMEM86A.1	0.00288	-0.13456	0.018	0.048	1	CSCL2	TMEM86A
RTN2.8	0.002881	-0.18745	0.046	0.085	1	CSCL2	RTN2
TPD52L2.9	0.002886	-0.17463	0.272	0.326	1	CSCL2	TPD52L2
RP11-84C1	0.002897	-0.11076	0	0.019	1	CSCL2	RP11-84C10.2
COX15.2	0.002907	-0.13959	0.035	0.071	1	CSCL2	COX15
ERAP2.4	0.002909	-0.12705	0.042	0.081	1	CSCL2	ERAP2
GCHFR.10	0.002933	-0.13521	0.04	0.078	1	CSCL2	GCHFR
IVD.5	0.002942	-0.1715	0.146	0.201	1	CSCL2	IVD
LY6E.7	0.002944	-0.23506	0.32	0.378	1	CSCL2	LY6E
MAPK8.5	0.00297	0.120416	0.139	0.097	1	CSCL2	MAPK8
RNASE3.1C	0.002984	-0.17588	0.009	0.034	1	CSCL2	RNASE3
SIRT5	0.003032	-0.12261	0.035	0.072	1	CSCL2	SIRT5
SH3BGR.8	0.003039	-0.22523	0.079	0.125	1	CSCL2	SH3BGR
CDS2.5	0.003041	-0.19167	0.192	0.25	1	CSCL2	CDS2
UFM1.3	0.003051	-0.22193	0.291	0.344	1	CSCL2	UFM1

PPA2. 5	0. 003056	-0. 13965	0. 254	0. 318	1 CSCL2	PPA2
PTPRCAP. 8	0. 003058	-0. 18426	0. 004	0. 027	1 CSCL2	PTPRCAP
GAL. 6	0. 003088	-0. 11812	0. 011	0. 038	1 CSCL2	GAL
LIFR. 10	0. 003098	0. 19428	0. 148	0. 108	1 CSCL2	LIFR
DDX60L. 5	0. 003107	-0. 12572	0. 024	0. 057	1 CSCL2	DDX60L
BIRC2. 2	0. 003134	-0. 20572	0. 23	0. 283	1 CSCL2	BIRC2
ASPA. 4	0. 003141	-0. 15656	0. 004	0. 027	1 CSCL2	ASPA
GFOD2. 7	0. 003158	0. 104221	0. 174	0. 13	1 CSCL2	GFOD2
ARHGEF10L	0. 003166	-0. 11239	0. 029	0. 062	1 CSCL2	ARHGEF10L
MAPK11. 8	0. 003171	0. 108301	0. 084	0. 054	1 CSCL2	MAPK11
ZNF511. 1C	0. 003177	-0. 14315	0. 141	0. 198	1 CSCL2	ZNF511
CS. 5	0. 003195	0. 105828	0. 208	0. 159	1 CSCL2	CS
PPM1M. 12	0. 003223	-0. 13637	0. 04	0. 076	1 CSCL2	PPM1M
LTA4H. 10	0. 003226	-0. 22225	0. 181	0. 231	1 CSCL2	LTA4H
GALNT6. 8	0. 003233	-0. 12	0. 007	0. 03	1 CSCL2	GALNT6
CREBRF. 4	0. 003234	-0. 19107	0. 086	0. 133	1 CSCL2	CREBRF
HEXDC. 4	0. 003246	-0. 14838	0. 071	0. 115	1 CSCL2	HEXDC
ZDHHC9. 1C	0. 003246	-0. 23954	0. 119	0. 169	1 CSCL2	ZDHHC9
FRA10AC1. 1	0. 00326	-0. 129	0. 108	0. 161	1 CSCL2	FRA10AC1
GLRB. 8	0. 00327	0. 119212	0. 091	0. 058	1 CSCL2	GLRB
NFKBIE. 1C	0. 003284	-0. 13288	0. 088	0. 136	1 CSCL2	NFKBIE
FAM98A. 7	0. 003289	0. 119918	0. 185	0. 14	1 CSCL2	FAM98A
FFAR4. 7	0. 003295	-0. 11798	0. 007	0. 03	1 CSCL2	FFAR4
PCTP. 6	0. 003303	-0. 15473	0. 038	0. 074	1 CSCL2	PCTP
ARHGEF12. 1	0. 003326	-0. 11229	0. 108	0. 162	1 CSCL2	ARHGEF12
NEK1. 9	0. 003331	0. 106211	0. 168	0. 125	1 CSCL2	NEK1
SERPINF2. 1	0. 003366	-0. 10854	0. 004	0. 027	1 CSCL2	SERPINF2
NACA. 7	0. 003371	-0. 12676	0. 938	0. 924	1 CSCL2	NACA
TMEM181. 1	0. 003383	0. 127081	0. 208	0. 162	1 CSCL2	TMEM181
C17orf80. 1	0. 003439	0. 105397	0. 119	0. 083	1 CSCL2	C17orf80
COG4. 9	0. 003441	0. 110259	0. 241	0. 189	1 CSCL2	COG4
COL9A3. 12	0. 003449	0. 351238	0. 232	0. 184	1 CSCL2	COL9A3
ATF7IP. 4	0. 003538	0. 130797	0. 152	0. 111	1 CSCL2	ATF7IP
KCNAB2. 9	0. 003542	-0. 19605	0. 042	0. 078	1 CSCL2	KCNAB2
EAF1. 3	0. 003547	-0. 21097	0. 082	0. 126	1 CSCL2	EAF1
DDRK1. 6	0. 003566	-0. 13449	0. 366	0. 42	1 CSCL2	DDRK1
PNPLA2. 7	0. 003574	-0. 14785	0. 159	0. 214	1 CSCL2	PNPLA2
NAIP. 11	0. 003591	-0. 25767	0. 071	0. 11	1 CSCL2	NAIP
DHX40. 9	0. 003595	0. 127929	0. 181	0. 137	1 CSCL2	DHX40
PGM2. 9	0. 003633	-0. 12364	0. 102	0. 15	1 CSCL2	PGM2
FGF20. 7	0. 00364	-0. 10969	0	0. 018	1 CSCL2	FGF20
QSOX2. 1	0. 003654	0. 130952	0. 073	0. 045	1 CSCL2	QSOX2
STAT2. 4	0. 003664	-0. 21046	0. 095	0. 14	1 CSCL2	STAT2
KLHL24. 7	0. 003685	-0. 22623	0. 132	0. 181	1 CSCL2	KLHL24
UBE2J2. 1C	0. 003695	0. 103118	0. 4	0. 332	1 CSCL2	UBE2J2
TNS3. 10	0. 003697	-0. 1877	0. 04	0. 075	1 CSCL2	TNS3
F11R. 11	0. 003708	-0. 14258	0. 026	0. 058	1 CSCL2	F11R
METTL16. 6	0. 003752	0. 105402	0. 148	0. 108	1 CSCL2	METTL16
SMIM20. 4	0. 003759	-0. 25601	0. 291	0. 342	1 CSCL2	SMIM20
MAPKAPK2. 1	0. 003805	-0. 16969	0. 088	0. 135	1 CSCL2	MAPKAPK2
IRF2BP2. 1	0. 003807	-0. 23421	0. 269	0. 318	1 CSCL2	IRF2BP2

POMGNT1.9	0.003848	0.128078	0.313	0.256	1	CSCL2	POMGNT1
DOCK11.11	0.00385	-0.14475	0.024	0.055	1	CSCL2	DOCK11
FAM127B.9	0.003912	-0.15163	0.236	0.303	1	CSCL2	FAM127B
RANBP2.1C	0.003959	-0.2196	0.161	0.211	1	CSCL2	RANBP2
ARHGEF6.6	0.003962	-0.12	0.097	0.144	1	CSCL2	ARHGEF6
TRABD.12	0.003988	-0.23752	0.212	0.261	1	CSCL2	TRABD
USP6NL.6	0.003989	-0.11896	0.046	0.084	1	CSCL2	USP6NL
IRF2.6	0.004003	-0.16145	0.146	0.2	1	CSCL2	IRF2
NARFL.5	0.00401	0.118275	0.188	0.143	1	CSCL2	NARFL
TMOD1.9	0.004012	-0.12899	0.11	0.159	1	CSCL2	TMOD1
NEIL2.9	0.004019	-0.1536	0.146	0.2	1	CSCL2	NEIL2
ZNF121.5	0.004019	0.101251	0.15	0.109	1	CSCL2	ZNF121
ACAT1.5	0.004019	-0.20021	0.318	0.368	1	CSCL2	ACAT1
ZNF614.2	0.004046	0.101934	0.075	0.047	1	CSCL2	ZNF614
SDHAF1.8	0.004049	0.104403	0.223	0.175	1	CSCL2	SDHAF1
TMEM259.7	0.004051	0.117819	0.413	0.332	1	CSCL2	TMEM259
TBC1D9.8	0.00412	-0.12558	0.024	0.055	1	CSCL2	TBC1D9
BIVM.8	0.004151	0.13141	0.148	0.109	1	CSCL2	BIVM
CPM.10	0.004162	-0.30405	0.19	0.236	1	CSCL2	CPM
SEL1L3.3	0.004169	-0.12588	0.038	0.072	1	CSCL2	SEL1L3
WDR45.2	0.004192	-0.24353	0.199	0.253	1	CSCL2	WDR45
CUTA.8	0.004196	-0.14083	0.713	0.681	1	CSCL2	CUTA
DEXI.9	0.004252	-0.11361	0.152	0.209	1	CSCL2	DEXI
BRI3.7	0.00427	-0.11775	0.461	0.468	1	CSCL2	BRI3
FAM210A.6	0.004277	-0.1307	0.095	0.143	1	CSCL2	FAM210A
LARP6.10	0.004333	-0.13346	0.141	0.195	1	CSCL2	LARP6
TEN1.8	0.004351	-0.11002	0.126	0.18	1	CSCL2	TEN1
PCSK6.4	0.004371	-0.10216	0	0.018	1	CSCL2	PCSK6
ATP2B4.2	0.004378	-0.13636	0.064	0.106	1	CSCL2	ATP2B4
IER3IP1.8	0.004402	-0.2999	0.013	0.039	1	CSCL2	IER3IP1
C1orf228.0	0.004409	-0.11723	0.009	0.033	1	CSCL2	C1orf228
GRAMD3.11	0.00442	-0.12599	0.095	0.142	1	CSCL2	GRAMD3
RPS6KA3.8	0.004429	-0.17074	0.093	0.139	1	CSCL2	RPS6KA3
DNAJC5.5	0.004454	-0.13474	0.159	0.214	1	CSCL2	DNAJC5
SFT2D2.6	0.004501	-0.17038	0.102	0.149	1	CSCL2	SFT2D2
ALG13.8	0.00451	-0.17799	0.168	0.221	1	CSCL2	ALG13
PIH1D1.4	0.004514	-0.23475	0.344	0.392	1	CSCL2	PIH1D1
TBC1D10A.0	0.004539	-0.13339	0.04	0.075	1	CSCL2	TBC1D10A
CLIP4.2	0.004556	-0.10181	0.026	0.058	1	CSCL2	CLIP4
SNX18.7	0.004585	-0.14062	0.073	0.115	1	CSCL2	SNX18
MLEC.7	0.004586	0.110732	0.479	0.397	1	CSCL2	MLEC
C10orf76.0	0.004629	-0.1385	0.026	0.057	1	CSCL2	C10orf76
DPAGT1.5	0.00463	-0.16181	0.097	0.144	1	CSCL2	DPAGT1
SNAPC3.7	0.004649	0.108081	0.179	0.134	1	CSCL2	SNAPC3
SCN1B.8	0.004676	-0.15685	0.038	0.072	1	CSCL2	SCN1B
SRP68.6	0.004679	0.123819	0.28	0.228	1	CSCL2	SRP68
PRMT2.3	0.004697	-0.19696	0.411	0.451	1	CSCL2	PRMT2
ITPR1.6	0.004707	-0.10866	0.011	0.036	1	CSCL2	ITPR1
CSNK1G3.1	0.00471	0.157016	0.194	0.151	1	CSCL2	CSNK1G3
TSPAN4.7	0.004724	-0.19766	0.132	0.182	1	CSCL2	TSPAN4
PDE4B.8	0.004748	-0.20151	0.227	0.278	1	CSCL2	PDE4B

PRKACB. 5	0.00477	-0.19517	0.166	0.217	1	CSCL2	PRKACB
SPNS1. 8	0.004781	-0.15837	0.241	0.292	1	CSCL2	SPNS1
TUG1. 10	0.004782	0.128091	0.223	0.173	1	CSCL2	TUG1
SNX30. 3	0.004799	-0.13827	0.031	0.063	1	CSCL2	SNX30
TCP11L1. 1	0.00481	0.129836	0.073	0.045	1	CSCL2	TCP11L1
C20orf194	0.004838	-0.14711	0.091	0.136	1	CSCL2	C20orf194
NKX6-2. 1C	0.004872	-0.16669	0.004	0.025	1	CSCL2	NKX6-2
B3GALNT1. 0	0.004892	0.12317	0.23	0.182	1	CSCL2	B3GALNT1
APBB3. 2	0.004968	-0.1261	0.049	0.086	1	CSCL2	APBB3
FBX018. 3	0.005012	-0.12433	0.091	0.136	1	CSCL2	FBX018
SETD7. 6	0.005017	-0.15436	0.064	0.105	1	CSCL2	SETD7
EIF3E. 8	0.00502	-0.1586	0.658	0.646	1	CSCL2	EIF3E
NIPAL3. 6	0.00503	-0.15528	0.046	0.082	1	CSCL2	NIPAL3
COL4A3BP. 0	0.005112	-0.11591	0.099	0.146	1	CSCL2	COL4A3BP
LLPH. 4	0.005127	-0.20934	0.216	0.27	1	CSCL2	LLPH
SETX. 7	0.005146	-0.12692	0.117	0.168	1	CSCL2	SETX
HDAC5. 5	0.005158	-0.11939	0.121	0.171	1	CSCL2	HDAC5
ANKRD12. 6	0.005173	-0.26464	0.404	0.427	1	CSCL2	ANKRD12
GLS. 5	0.005184	-0.13938	0.086	0.13	1	CSCL2	GLS
CACNA2D3. 0	0.005193	-0.10266	0.009	0.032	1	CSCL2	CACNA2D3
ROB03. 4	0.005194	-0.21652	0.077	0.118	1	CSCL2	ROB03
UROS. 7	0.005199	-0.12625	0.199	0.254	1	CSCL2	UROS
AGA. 5	0.005227	-0.20951	0.108	0.155	1	CSCL2	AGA
PCYT1A. 3	0.005242	-0.12939	0.086	0.131	1	CSCL2	PCYT1A
GAMT. 10	0.005263	0.129934	0.36	0.297	1	CSCL2	GAMT
TMEM203. 1	0.005263	0.119782	0.309	0.25	1	CSCL2	TMEM203
GZF1. 3	0.005264	-0.11535	0.064	0.105	1	CSCL2	GZF1
WDR26. 4	0.005273	-0.15664	0.115	0.162	1	CSCL2	WDR26
NENF. 8	0.005273	0.129983	0.605	0.49	1	CSCL2	NENF
SNX6. 8	0.005275	-0.21711	0.393	0.431	1	CSCL2	SNX6
INHBA. 3	0.005292	-0.10295	0.002	0.021	1	CSCL2	INHBA
MSL3. 2	0.005343	-0.16361	0.102	0.149	1	CSCL2	MSL3
CYB561A3. 0	0.005354	-0.155	0.106	0.152	1	CSCL2	CYB561A3
IQSEC1. 4	0.005393	-0.11869	0.035	0.068	1	CSCL2	IQSEC1
ADAMDEC1. 0	0.005393	-0.15877	0.013	0.038	1	CSCL2	ADAMDEC1
HLA-G. 2	0.005394	-0.19813	0.024	0.053	1	CSCL2	HLA-G
TPPP3. 11	0.005399	-0.26606	0.11	0.155	1	CSCL2	TPPP3
TMEM141. 8	0.005489	-0.175	0.201	0.254	1	CSCL2	TMEM141
DGKZ. 6	0.005497	-0.12105	0.146	0.198	1	CSCL2	DGKZ
MITF. 10	0.005507	-0.16116	0.057	0.095	1	CSCL2	MITF
PDE8A. 6	0.00554	-0.13502	0.053	0.091	1	CSCL2	PDE8A
HSD17B7. 2	0.005571	-0.16997	0.077	0.119	1	CSCL2	HSD17B7
NAA20. 5	0.005643	-0.18831	0.475	0.497	1	CSCL2	NAA20
EIF3H. 7	0.005692	-0.17633	0.664	0.669	1	CSCL2	EIF3H
SPCS3. 11	0.005735	-0.23568	0.28	0.327	1	CSCL2	SPCS3
C1orf50. 6	0.005777	-0.12865	0.13	0.182	1	CSCL2	C1orf50
RMDN2	0.005836	-0.10706	0.018	0.045	1	CSCL2	RMDN2
MEN1. 8	0.005839	0.103641	0.155	0.115	1	CSCL2	MEN1
CLN5. 5	0.005871	-0.19384	0.17	0.223	1	CSCL2	CLN5
ATP6V1C1. 0	0.005945	-0.22242	0.194	0.245	1	CSCL2	ATP6V1C1
RAB1A. 6	0.00597	-0.1584	0.62	0.62	1	CSCL2	RAB1A

COX5A.9	0.005974	0.149291	0.713	0.593	1	CSCL2	COX5A
TMEM258.6	0.005983	-0.16321	0.751	0.728	1	CSCL2	TMEM258
FGFR1.8	0.006011	0.115393	0.214	0.168	1	CSCL2	FGFR1
HDAC10.6	0.006166	-0.1375	0.068	0.109	1	CSCL2	HDAC10
CTNNBIP1.0	0.006167	0.117811	0.265	0.213	1	CSCL2	CTNNBIP1
PHYKPL.5	0.006228	-0.1804	0.155	0.204	1	CSCL2	PHYKPL
SLC25A29.0	0.006251	0.1293	0.194	0.151	1	CSCL2	SLC25A29
LRRC42.7	0.006327	0.103597	0.183	0.143	1	CSCL2	LRRC42
TMIGD2.7	0.006364	-0.13152	0.002	0.02	1	CSCL2	TMIGD2
SLC25A39.0	0.006397	-0.15308	0.371	0.406	1	CSCL2	SLC25A39
ZNF772	0.006447	0.105779	0.04	0.021	1	CSCL2	ZNF772
SLC35F1.1	0.006465	0.133245	0.163	0.124	1	CSCL2	SLC35F1
ABCA8.9	0.006477	-0.15395	0.042	0.076	1	CSCL2	ABCA8
P2RY12.8	0.006544	-0.11015	0.002	0.02	1	CSCL2	P2RY12
LILRA4.6	0.006557	-0.12134	0.004	0.024	1	CSCL2	LILRA4
FGF14-AS2	0.00656	0.112082	0.077	0.05	1	CSCL2	FGF14-AS2
PIAS3.2	0.006638	-0.10707	0.046	0.082	1	CSCL2	PIAS3
ACOT11.1	0.006669	-0.11056	0.011	0.034	1	CSCL2	ACOT11
SPTSSB.7	0.006743	-0.10898	0.013	0.038	1	CSCL2	SPTSSB
AATK.8	0.006749	-0.17096	0.011	0.034	1	CSCL2	AATK
CCDC106.1	0.006783	-0.10322	0.183	0.234	1	CSCL2	CCDC106
ADPRH.7	0.006866	-0.10575	0.011	0.034	1	CSCL2	ADPRH
LIMK1.4	0.006899	-0.17942	0.097	0.139	1	CSCL2	LIMK1
TBCD.6	0.006963	0.102484	0.185	0.143	1	CSCL2	TBCD
TNFAIP8L1	0.006998	0.15852	0.113	0.079	1	CSCL2	TNFAIP8L1
MKS1.5	0.007054	0.115368	0.124	0.089	1	CSCL2	MKS1
SLC38A10.0	0.007086	-0.18596	0.152	0.2	1	CSCL2	SLC38A10
ANKRD50.4	0.007092	0.100479	0.075	0.048	1	CSCL2	ANKRD50
AMDHD2.8	0.007103	-0.10816	0.082	0.125	1	CSCL2	AMDHD2
GCLC.7	0.007123	-0.1427	0.062	0.099	1	CSCL2	GCLC
PSMA1.6	0.007132	-0.18881	0.598	0.612	1	CSCL2	PSMA1
ACY3.6	0.007143	-0.11739	0.002	0.02	1	CSCL2	ACY3
CXCL12.8	0.007198	-0.17801	0.018	0.043	1	CSCL2	CXCL12
AKR1B1.8	0.007212	-0.21315	0.629	0.625	1	CSCL2	AKR1B1
SPSB1.5	0.007241	-0.10762	0.038	0.07	1	CSCL2	SPSB1
SESN1.8	0.007319	-0.18964	0.066	0.103	1	CSCL2	SESN1
RP11-138A	0.007362	-0.21542	0.064	0.1	1	CSCL2	RP11-138A9.2
LYPD1.10	0.007376	-0.20692	0.155	0.197	1	CSCL2	LYPD1
MSRB2.8	0.007499	-0.18231	0.208	0.257	1	CSCL2	MSRB2
ACOT13.3	0.007505	-0.1702	0.166	0.22	1	CSCL2	ACOT13
GRPEL1.5	0.007628	-0.13362	0.214	0.272	1	CSCL2	GRPEL1
STK19.3	0.007656	-0.10282	0.084	0.128	1	CSCL2	STK19
NUP214.12	0.00766	-0.27294	0.152	0.197	1	CSCL2	NUP214
SEPN1.10	0.007691	-0.16924	0.168	0.211	1	CSCL2	SEPN1
COMMD8.11	0.007719	-0.27853	0.183	0.226	1	CSCL2	COMMD8
RELA.4	0.007748	-0.15183	0.157	0.206	1	CSCL2	RELA
MAP4K1.1C	0.007754	-0.12697	0.009	0.03	1	CSCL2	MAP4K1
PINK1.7	0.007802	-0.11732	0.157	0.209	1	CSCL2	PINK1
MLF1.9	0.007972	-0.14687	0.19	0.244	1	CSCL2	MLF1
PRSS23.1C	0.008019	-0.19389	0.046	0.079	1	CSCL2	PRSS23
TBRG1.4	0.008043	-0.15006	0.196	0.247	1	CSCL2	TBRG1

KLHL5.5	0.008052	-0.14344	0.126	0.172	1 CSCL2	KLHL5
RAB5A.7	0.008064	-0.13717	0.413	0.449	1 CSCL2	RAB5A
ASGR1.9	0.008092	-0.15239	0.042	0.074	1 CSCL2	ASGR1
AP4B1	0.008137	0.11514	0.086	0.057	1 CSCL2	AP4B1
OTUB1.1	0.008154	-0.22897	0.344	0.382	1 CSCL2	OTUB1
TIMMDC1.4	0.008158	-0.16466	0.333	0.389	1 CSCL2	TIMMDC1
ESRRA.2	0.008161	-0.12124	0.066	0.105	1 CSCL2	ESRRA
MAP7D3.6	0.008216	-0.11849	0.077	0.119	1 CSCL2	MAP7D3
TMEM101.3	0.008366	-0.17637	0.157	0.208	1 CSCL2	TMEM101
MTX1.3	0.008367	-0.18898	0.194	0.248	1 CSCL2	MTX1
RASSF3.9	0.008387	-0.11222	0.018	0.043	1 CSCL2	RASSF3
SNX29.7	0.008428	-0.14553	0.068	0.107	1 CSCL2	SNX29
SCARB1.6	0.008451	-0.10379	0.071	0.109	1 CSCL2	SCARB1
ZC3H4.3	0.008458	0.127988	0.119	0.085	1 CSCL2	ZC3H4
SRSF5.4	0.00852	-0.16532	0.704	0.694	1 CSCL2	SRSF5
OGFOD3.8	0.008532	-0.12205	0.174	0.223	1 CSCL2	OGFOD3
C16orf89.	0.008596	-0.10177	0.002	0.019	1 CSCL2	C16orf89
SRD5A3.6	0.008637	0.11583	0.203	0.161	1 CSCL2	SRD5A3
USP8.4	0.008659	-0.1939	0.212	0.261	1 CSCL2	USP8
CDC123.6	0.008665	-0.20228	0.294	0.338	1 CSCL2	CDC123
MAML3.6	0.008701	-0.12077	0.013	0.036	1 CSCL2	MAML3
LRRC8C.9	0.008709	-0.11985	0.031	0.06	1 CSCL2	LRRC8C
CYB5D1.2	0.00871	-0.11772	0.026	0.054	1 CSCL2	CYB5D1
FBXL17.2	0.008743	-0.11612	0.053	0.088	1 CSCL2	FBXL17
PCBD1.6	0.008821	-0.20793	0.287	0.332	1 CSCL2	PCBD1
ZNF846.1C	0.008897	-0.1266	0.04	0.071	1 CSCL2	ZNF846
YIPF2.3	0.0089	-0.14502	0.079	0.12	1 CSCL2	YIPF2
ATL3.7	0.008975	-0.13836	0.097	0.139	1 CSCL2	ATL3
RAP2B.11	0.009122	-0.15462	0.124	0.167	1 CSCL2	RAP2B
STK40.3	0.009162	-0.10009	0.084	0.125	1 CSCL2	STK40
SIPA1L1.5	0.009224	-0.13917	0.121	0.166	1 CSCL2	SIPA1L1
B3GAT3.6	0.009261	-0.21863	0.347	0.38	1 CSCL2	B3GAT3
PPM1N.6	0.009284	-0.13302	0.015	0.039	1 CSCL2	PPM1N
GSK3A.10	0.009286	0.113214	0.232	0.188	1 CSCL2	GSK3A
PRRT2.10	0.009384	0.120204	0.121	0.089	1 CSCL2	PRRT2
GFER.7	0.009464	0.131891	0.252	0.207	1 CSCL2	GFER
MT2A.12	0.009464	-0.17969	0.795	0.784	1 CSCL2	MT2A
HSD17B12.	0.009505	-0.20367	0.38	0.415	1 CSCL2	HSD17B12
RABAC1.6	0.009518	-0.15924	0.673	0.664	1 CSCL2	RABAC1
AIM1.8	0.009588	-0.14663	0.013	0.036	1 CSCL2	AIM1
TXNDC17.1	0.009615	-0.17211	0.528	0.525	1 CSCL2	TXNDC17
ADCY6.1	0.009674	0.118042	0.062	0.038	1 CSCL2	ADCY6
GLI4.8	0.009757	0.108311	0.146	0.11	1 CSCL2	GLI4
NUMB.12	0.009786	-0.21335	0.13	0.172	1 CSCL2	NUMB
LASP1.8	0.009846	-0.16827	0.163	0.211	1 CSCL2	LASP1
RGS3.9	0.009892	0.123353	0.141	0.105	1 CSCL2	RGS3
ABCA2.12	0.009979	-0.25641	0.062	0.097	1 CSCL2	ABCA2
CD52.12	0	2.477892	0.905	0.036	0 Tce11	CD52
CD3D.8	0	2.461922	0.805	0.004	0 Tce11	CD3D
CCL5.9	0	2.366534	0.727	0.043	0 Tce11	CCL5
IL32.11	0	2.325551	0.85	0.086	0 Tce11	IL32

PTPRCAP. 9	0	2.312259	0.809	0.011	0	Tcell	PTPRCAP
CD2. 9	0	2.228489	0.736	0.005	0	Tcell	CD2
CD3E. 7	0	2.204977	0.75	0.004	0	Tcell	CD3E
GZMA. 7	0	2.127551	0.568	0.004	0	Tcell	GZMA
CTSW. 8	0	1.951698	0.586	0.019	0	Tcell	CTSW
LTB. 8	0	1.899191	0.545	0.023	0	Tcell	LTB
GZMK. 4	0	1.892491	0.414	0.003	0	Tcell	GZMK
CD7. 11	0	1.888422	0.568	0.033	0	Tcell	CD7
LCK. 6	0	1.879524	0.627	0.003	0	Tcell	LCK
IL2RG. 10	0	1.844879	0.636	0.032	0	Tcell	IL2RG
TUBA4A. 8	0	1.829523	0.618	0.043	0	Tcell	TUBA4A
CD3G. 1	0	1.733144	0.509	0.001	0	Tcell	CD3G
KLRB1	0	1.672429	0.345	0.002	0	Tcell	KLRB1
AC092580.	0	1.671582	0.45	0.002	0	Tcell	AC092580. 4
IFITM1. 6	0	1.659796	0.514	0.028	0	Tcell	IFITM1
CRIP1. 10	0	1.641555	0.527	0.03	0	Tcell	CRIP1
LAT. 2	0	1.605248	0.509	0.025	0	Tcell	LAT
GZMH	0	1.569695	0.35	0.001	0	Tcell	GZMH
CD8A	0	1.548524	0.305	0.006	0	Tcell	CD8A
CD96	0	1.491478	0.405	0.006	0	Tcell	CD96
CD27	0	1.482831	0.382	0.003	0	Tcell	CD27
XCL1	0	1.441228	0.282	0	0	Tcell	XCL1
PRF1	0	1.433655	0.336	0.001	0	Tcell	PRF1
GZMM	0	1.413157	0.364	0.002	0	Tcell	GZMM
CD247. 3	0	1.412903	0.395	0.009	0	Tcell	CD247
SKAP1	0	1.398696	0.373	0.001	0	Tcell	SKAP1
SIT1	0	1.364164	0.382	0.005	0	Tcell	SIT1
GZMB	0	1.356796	0.232	0.003	0	Tcell	GZMB
CD8B	0	1.342759	0.255	0.001	0	Tcell	CD8B
CXCR3	0	1.251401	0.3	0.001	0	Tcell	CXCR3
IL2RB	0	1.243784	0.336	0.001	0	Tcell	IL2RB
XCL2	0	1.227679	0.25	0.001	0	Tcell	XCL2
GATA3	0	1.195065	0.295	0.002	0	Tcell	GATA3
CD6	0	1.194611	0.282	0.003	0	Tcell	CD6
ZAP70	0	1.154124	0.305	0.001	0	Tcell	ZAP70
CXCR6	0	1.141293	0.241	0.001	0	Tcell	CXCR6
SH2D1A	0	1.140791	0.264	0.001	0	Tcell	SH2D1A
TRAT1	0	1.113325	0.236	0.001	0	Tcell	TRAT1
ZNF683	0	1.098594	0.214	0	0	Tcell	ZNF683
SAMD3	0	1.088066	0.245	0	0	Tcell	SAMD3
ICOS	0	1.064789	0.25	0.001	0	Tcell	ICOS
TIGIT	0	1.040604	0.214	0.001	0	Tcell	TIGIT
SLA2	0	1.005488	0.25	0.002	0	Tcell	SLA2
RGL4	0	1.00491	0.241	0.001	0	Tcell	RGL4
SIRPG	0	0.883913	0.168	0.001	0	Tcell	SIRPG
CD40LG	0	0.872083	0.168	0	0	Tcell	CD40LG
TBC1D10C. #####	1.481375	0.45	0.022	#####	Tcell	TBC1D10C	
CST7. 9 #####	1.648601	0.482	0.027	#####	Tcell	CST7	
PYHIN1 #####	1.027457	0.2	0.003	#####	Tcell	PYHIN1	
TC2N #####	1.022452	0.223	0.004	#####	Tcell	TC2N	
FAM46C #####	1.057066	0.273	0.007	#####	Tcell	FAM46C	

TNFRSF18	#####	1.190898	0.232	0.005	#####	Tcell	TNFRSF18
PTGER2	#####	1.115071	0.245	0.005	#####	Tcell	PTGER2
ITK	#####	1.042294	0.245	0.006	#####	Tcell	ITK
GRAP2	#####	0.735579	0.145	0.001	#####	Tcell	GRAP2
SLAMF1	#####	0.944609	0.177	0.003	#####	Tcell	SLAMF1
CYTIP.13	#####	1.763335	0.714	0.092	#####	Tcell	CYTIP
SH2D2A	#####	1.012883	0.236	0.007	#####	Tcell	SH2D2A
CTLA4.1	#####	1.016869	0.223	0.006	#####	Tcell	CTLA4
NKG7.11	#####	1.873007	0.495	0.041	#####	Tcell	NKG7
GPR171.1	#####	1.272374	0.314	0.015	#####	Tcell	GPR171
STAT4	#####	1.016182	0.227	0.007	#####	Tcell	STAT4
RP11-1399	#####	0.564843	0.086	0	#####	Tcell	RP11-1399P15.1
KLRD1	#####	1.079969	0.195	0.005	#####	Tcell	KLRD1
ETS1	#####	1.326563	0.35	0.021	#####	Tcell	ETS1
ITM2A.11	#####	1.512472	0.495	0.047	#####	Tcell	ITM2A
RAC2.14	#####	1.63687	0.7	0.108	#####	Tcell	RAC2
RUNX3.11	#####	1.332115	0.405	0.031	#####	Tcell	RUNX3
CD69.11	#####	1.85905	0.773	0.141	#####	Tcell	CD69
ACAP1.10	#####	1.585649	0.568	0.07	#####	Tcell	ACAP1
SOCS1.6	#####	1.512279	0.464	0.045	#####	Tcell	SOCS1
AIM1.9	#####	1.257101	0.377	0.028	#####	Tcell	AIM1
DUSP2.13	#####	1.750451	0.65	0.1	#####	Tcell	DUSP2
KLRC1	#####	0.86978	0.109	0.001	#####	Tcell	KLRC1
IFNG	#####	0.607006	0.082	0	#####	Tcell	IFNG
RHOH.13	#####	1.519646	0.545	0.068	#####	Tcell	RHOH
SYTL1	#####	0.798379	0.186	0.006	#####	Tcell	SYTL1
ISG20.8	#####	1.556411	0.664	0.111	#####	Tcell	ISG20
NCR3	#####	0.609833	0.1	0.001	#####	Tcell	NCR3
LSP1.14	#####	1.538167	0.759	0.155	#####	Tcell	LSP1
IL7R.11	#####	1.576106	0.436	0.046	#####	Tcell	IL7R
CD48.14	#####	1.578606	0.527	0.07	#####	Tcell	CD48
APOBEC3H	#####	0.938632	0.186	0.007	#####	Tcell	APOBEC3H
S1PR4.1	#####	0.79339	0.191	0.007	#####	Tcell	S1PR4
RP11-347F	#####	1.383775	0.468	0.057	#####	Tcell	RP11-347P5.1
TBX21	#####	0.53478	0.086	0.001	#####	Tcell	TBX21
PRKCH.11	#####	1.175176	0.382	0.037	#####	Tcell	PRKCH
CXCR4.11	#####	1.56725	0.955	0.378	#####	Tcell	CXCR4
ICAM3.10	#####	1.554222	0.559	0.092	#####	Tcell	ICAM3
STK17B.11	#####	1.489452	0.632	0.123	#####	Tcell	STK17B
S100A4.14	#####	1.480441	0.864	0.285	#####	Tcell	S100A4
LAX1	#####	0.527833	0.105	0.002	#####	Tcell	LAX1
KRT81	#####	0.582367	0.073	0.001	#####	Tcell	KRT81
TNFAIP3.1	#####	1.488225	0.673	0.153	#####	Tcell	TNFAIP3
KRT86	#####	0.705799	0.1	0.002	#####	Tcell	KRT86
AQP3	#####	0.878951	0.177	0.009	#####	Tcell	AQP3
AC002331.	#####	0.372327	0.05	0	#####	Tcell	AC002331.1
PTPRC.14	#####	1.347713	0.727	0.193	#####	Tcell	PTPRC
KLRK1	#####	0.652191	0.1	0.002	#####	Tcell	KLRK1
TSC22D3.1	#####	1.375253	0.927	0.447	#####	Tcell	TSC22D3
RNF125.7	#####	0.989068	0.25	0.02	#####	Tcell	RNF125
SIDT1-AS1	#####	0.43077	0.082	0.001	#####	Tcell	SIDT1-AS1



ARHGDIB. 1	#####	1.206531	0.909	0.361	#####	Tcell	ARHGDIB
TRAF3IP3.	#####	1.144768	0.368	0.046	#####	Tcell	TRAF3IP3
MATK. 1	#####	0.937345	0.205	0.014	#####	Tcell	MATK
GIMAP7. 11	#####	1.234268	0.373	0.048	1.04E-99	Tcell	GIMAP7
HCST. 14	#####	1.258827	0.823	0.274	1.47E-97	Tcell	HCST
DOK2. 13	#####	1.112751	0.373	0.049	2.60E-97	Tcell	DOK2
LCP1. 13	#####	1.323319	0.586	0.134	3.61E-97	Tcell	LCP1
CLEC2D. 2	4.70E-98	0.865794	0.25	0.022	7.03E-94	Tcell	CLEC2D
CD79B. 1	7.09E-98	0.596204	0.114	0.004	1.06E-93	Tcell	CD79B
ZFP36L2. 1	7.55E-97	1.348526	0.882	0.509	1.13E-92	Tcell	ZFP36L2
PDCD1	1.90E-95	0.70593	0.15	0.008	2.84E-91	Tcell	PDCD1
HLA-C. 9	2.14E-94	0.791689	0.986	0.8	3.19E-90	Tcell	HLA-C
HLA-B. 11	1.23E-93	0.779869	0.986	0.849	1.84E-89	Tcell	HLA-B
SRGN. 14	2.17E-93	1.030475	0.959	0.49	3.25E-89	Tcell	SRGN
COR01A. 14	5.80E-93	1.181277	0.845	0.364	8.66E-89	Tcell	COR01A
CLIC3	5.15E-92	0.702103	0.123	0.005	7.69E-88	Tcell	CLIC3
B2M. 12	3.33E-91	0.691912	1	0.97	4.98E-87	Tcell	B2M
EOMES	1.31E-86	0.390278	0.055	0.001	1.95E-82	Tcell	EOMES
FCRL6	1.31E-86	0.415837	0.055	0.001	1.96E-82	Tcell	FCRL6
TNFRSF25	1.18E-84	0.811267	0.191	0.015	1.77E-80	Tcell	TNFRSF25
MYL12A. 12	6.54E-83	1.070904	0.882	0.537	9.77E-79	Tcell	MYL12A
BTG1. 12	5.85E-82	1.007603	0.886	0.685	8.74E-78	Tcell	BTG1
CYBA. 14	1.16E-81	1.01344	0.868	0.396	1.73E-77	Tcell	CYBA
PFN1. 10	2.63E-81	0.715235	0.923	0.806	3.94E-77	Tcell	PFN1
GMFG. 14	4.46E-81	1.146509	0.782	0.289	6.66E-77	Tcell	GMFG
TMSB4X. 11	6.78E-81	0.508458	1	0.997	1.01E-76	Tcell	TMSB4X
RGS1. 14	7.03E-79	1.065823	0.877	0.439	1.05E-74	Tcell	RGS1
SEPT1. 3	9.95E-79	1.251495	0.459	0.1	1.49E-74	Tcell	1-Sep
BIRC3. 8	2.32E-78	1.180091	0.359	0.059	3.47E-74	Tcell	BIRC3
LAG3	1.86E-77	0.74568	0.168	0.013	2.78E-73	Tcell	LAG3
PTPN7. 14	1.05E-76	1.144889	0.395	0.072	1.57E-72	Tcell	PTPN7
HLA-A. 11	1.66E-76	0.579824	0.982	0.894	2.48E-72	Tcell	HLA-A
EVL. 8	1.63E-74	1.134166	0.773	0.344	2.43E-70	Tcell	EVL
RHOF. 3	6.62E-74	1.034862	0.309	0.047	9.89E-70	Tcell	RHOF
MAP4K1. 11	5.97E-71	0.871251	0.227	0.026	8.91E-67	Tcell	MAP4K1
PTPN22. 9	3.02E-70	0.821961	0.214	0.023	4.52E-66	Tcell	PTPN22
HLA-E. 14	8.14E-70	0.886156	0.895	0.59	1.22E-65	Tcell	HLA-E
SH3BGRL3.	1.26E-69	0.695443	0.95	0.774	1.88E-65	Tcell	SH3BGRL3
RORA. 7	1.74E-67	1.209877	0.359	0.069	2.60E-63	Tcell	RORA
APOBEC3G.	7.86E-65	1.194021	0.45	0.112	1.17E-60	Tcell	APOBEC3G
JUNB. 9	3.69E-64	0.904077	0.864	0.721	5.52E-60	Tcell	JUNB
MALAT1. 12	1.74E-63	0.438687	1	0.995	2.61E-59	Tcell	MALAT1
CCR7. 2	8.39E-63	0.628873	0.123	0.008	1.25E-58	Tcell	CCR7
DDIT4. 13	2.52E-62	1.061101	0.768	0.402	3.77E-58	Tcell	DDIT4
TNFRSF4	3.53E-62	0.655189	0.127	0.009	5.28E-58	Tcell	TNFRSF4
RASAL3. 13	6.97E-62	0.956123	0.305	0.052	1.04E-57	Tcell	RASAL3
HSH2D. 1	2.28E-61	0.621895	0.109	0.007	3.41E-57	Tcell	HSH2D
EEF1D. 11	1.46E-59	0.581313	0.959	0.843	2.19E-55	Tcell	EEF1D
ACTB. 10	2.51E-59	0.333617	0.991	0.992	3.75E-55	Tcell	ACTB
FXVD5. 14	3.79E-59	1.024973	0.741	0.333	5.66E-55	Tcell	FXVD5
HPGD. 1	1.21E-58	0.457759	0.082	0.004	1.81E-54	Tcell	HPGD

TNFAIP8.1	3.32E-58	0.967056	0.332	0.064	4.96E-54	Tcell	TNFAIP8
AKNA.11	5.16E-58	1.053139	0.336	0.067	7.71E-54	Tcell	AKNA
SCML4.1	7.94E-58	0.751423	0.141	0.012	1.19E-53	Tcell	SCML4
CAMK4.1	1.69E-57	0.779469	0.186	0.021	2.52E-53	Tcell	CAMK4
PTMA.10	2.33E-57	0.410095	0.986	0.966	3.49E-53	Tcell	PTMA
PABPC1.1C	1.14E-56	0.681776	0.882	0.742	1.71E-52	Tcell	PABPC1
RAB37	1.30E-56	0.454916	0.082	0.004	1.95E-52	Tcell	RAB37
EEF1A1.11	8.18E-56	0.584646	0.95	0.823	1.22E-51	Tcell	EEF1A1
PRDM1.13	1.71E-55	1.155378	0.391	0.094	2.56E-51	Tcell	PRDM1
ZFP36.11	2.86E-55	0.796128	0.873	0.567	4.27E-51	Tcell	ZFP36
HLA-F.13	3.91E-55	1.092726	0.477	0.14	5.85E-51	Tcell	HLA-F
RP11-138A	3.97E-55	1.148791	0.386	0.093	5.94E-51	Tcell	RP11-138A9.2
IRF4.1	1.50E-54	0.501817	0.082	0.004	2.24E-50	Tcell	IRF4
CD37.14	2.45E-54	0.942762	0.718	0.293	3.66E-50	Tcell	CD37
RP11-356I	2.72E-54	0.790673	0.168	0.018	4.06E-50	Tcell	RP11-356I2.4
PIK3IP1.1	7.33E-54	1.121859	0.495	0.154	1.10E-49	Tcell	PIK3IP1
PRKCQ.1	1.05E-53	0.471936	0.095	0.006	1.57E-49	Tcell	PRKCQ
TXNIP.8	3.62E-53	1.132711	0.741	0.44	5.41E-49	Tcell	TXNIP
CD53.14	8.05E-53	0.872002	0.727	0.307	1.20E-48	Tcell	CD53
TPT1.11	8.08E-53	0.486302	0.973	0.953	1.21E-48	Tcell	TPT1
SYTL3.12	2.51E-52	1.017826	0.305	0.06	3.75E-48	Tcell	SYTL3
PTGER4.13	5.26E-52	1.114387	0.427	0.118	7.86E-48	Tcell	PTGER4
TMSB10.11	1.16E-51	0.352645	0.995	0.964	1.74E-47	Tcell	TMSB10
BATF.10	1.72E-51	0.863405	0.227	0.035	2.56E-47	Tcell	BATF
TNFRSF9	4.16E-51	0.471942	0.082	0.004	6.21E-47	Tcell	TNFRSF9
GBP5	4.64E-51	0.55275	0.132	0.012	6.93E-47	Tcell	GBP5
FAU.11	6.13E-51	0.408244	0.991	0.957	9.16E-47	Tcell	FAU
CRTAM	2.18E-50	0.691439	0.123	0.01	3.26E-46	Tcell	CRTAM
TMA7.9	3.18E-49	0.440924	0.932	0.849	4.76E-45	Tcell	TMA7
CASP8.11	3.50E-49	0.861841	0.25	0.043	5.23E-45	Tcell	CASP8
ITGB7.10	3.64E-49	0.69309	0.177	0.022	5.44E-45	Tcell	ITGB7
PIM2.5	4.94E-49	1.025952	0.264	0.049	7.38E-45	Tcell	PIM2
PTN.12	5.63E-49	-1.64903	0.082	0.626	8.41E-45	Tcell	PTN
PARP8.4	6.07E-49	1.082289	0.3	0.063	9.07E-45	Tcell	PARP8
IKZF1.13	1.23E-48	0.907243	0.295	0.06	1.84E-44	Tcell	IKZF1
CCND3.11	1.39E-46	1.109719	0.582	0.253	2.08E-42	Tcell	CCND3
LEF1	5.66E-46	0.628993	0.127	0.012	8.47E-42	Tcell	LEF1
EMB.14	6.25E-46	0.937195	0.314	0.07	9.33E-42	Tcell	EMB
CNN2.8	9.45E-46	1.004503	0.291	0.062	1.41E-41	Tcell	CNN2
BIN2.13	9.71E-46	0.949209	0.391	0.107	1.45E-41	Tcell	BIN2
GNLY.6	9.92E-46	1.319863	0.186	0.027	1.48E-41	Tcell	GNLY
ARPC2.12	1.61E-45	0.555028	0.855	0.772	2.40E-41	Tcell	ARPC2
HNRNPA1.6	2.19E-45	0.445217	0.914	0.876	3.27E-41	Tcell	HNRNPA1
MYO1G.13	2.93E-45	0.861398	0.277	0.057	4.38E-41	Tcell	MYO1G
IFITM2.14	3.76E-45	0.949151	0.627	0.276	5.62E-41	Tcell	IFITM2
MARCKS.11	1.63E-44	-1.18837	0.086	0.607	2.43E-40	Tcell	MARCKS
FTH1.9	2.31E-44	0.353611	0.959	0.932	3.45E-40	Tcell	FTH1
NPM1.6	4.38E-44	0.453702	0.918	0.868	6.55E-40	Tcell	NPM1
GCHFR.11	6.91E-44	0.970755	0.309	0.072	1.03E-39	Tcell	GCHFR
EIF1.11	1.92E-43	0.322699	0.986	0.974	2.87E-39	Tcell	EIF1
INPP4B	3.17E-43	0.502822	0.1	0.008	4.74E-39	Tcell	INPP4B

RASSF5.13	4.16E-43	0.948376	0.391	0.114	6.21E-39	Tcell	RASSF5
TMIGD2.8	7.15E-43	0.752861	0.145	0.017	1.07E-38	Tcell	TMIGD2
PSTPIP1.1	1.12E-42	0.746328	0.218	0.038	1.67E-38	Tcell	PSTPIP1
NGFRAP1.1	1.81E-42	-1.17412	0.136	0.654	2.71E-38	Tcell	NGFRAP1
DDX5.9	2.33E-42	0.473801	0.855	0.816	3.48E-38	Tcell	DDX5
PMAIP1.13	4.57E-42	1.084443	0.323	0.079	6.83E-38	Tcell	PMAIP1
LINC00649	6.92E-42	0.479889	0.077	0.005	1.03E-37	Tcell	LINC00649
FLT3LG.1	7.14E-42	0.783063	0.205	0.034	1.07E-37	Tcell	FLT3LG
ATP5E.11	7.73E-42	0.341485	0.932	0.913	1.16E-37	Tcell	ATP5E
PIP4K2A.1	9.00E-42	1.035439	0.414	0.132	1.34E-37	Tcell	PIP4K2A
CLIC1.10	1.31E-41	0.653521	0.832	0.619	1.96E-37	Tcell	CLIC1
SAMSN1.14	3.16E-41	0.840791	0.591	0.245	4.72E-37	Tcell	SAMSN1
C16orf54.	5.73E-41	0.673202	0.127	0.014	8.56E-37	Tcell	C16orf54
TMEM2.5	6.41E-41	0.917873	0.273	0.06	9.57E-37	Tcell	TMEM2
SERF2.10	1.15E-40	0.386605	0.923	0.895	1.73E-36	Tcell	SERF2
STK4.10	1.18E-40	1.115822	0.577	0.281	1.77E-36	Tcell	STK4
S100A6.12	1.80E-40	0.566773	0.873	0.639	2.68E-36	Tcell	S100A6
ITGAL.7	2.13E-40	0.665113	0.159	0.022	3.18E-36	Tcell	ITGAL
AC006129.	2.75E-40	0.691766	0.114	0.011	4.11E-36	Tcell	AC006129.2
IPCEF1.6	3.04E-40	0.613255	0.15	0.019	4.55E-36	Tcell	IPCEF1
HSBP1.7	4.57E-40	-0.90054	0.209	0.724	6.82E-36	Tcell	HSBP1
SPON2.1	5.51E-40	0.661402	0.15	0.02	8.23E-36	Tcell	SPON2
LEPROTL1.	1.26E-39	1.068133	0.65	0.383	1.88E-35	Tcell	LEPROTL1
RCAN3.6	2.14E-39	0.934292	0.255	0.055	3.19E-35	Tcell	RCAN3
CD160	1.90E-38	0.444734	0.064	0.004	2.84E-34	Tcell	CD160
DENND2D.9	4.12E-38	0.759552	0.218	0.041	6.16E-34	Tcell	DENND2D
ZBP1	5.35E-38	0.455262	0.086	0.007	7.99E-34	Tcell	ZBP1
SP140.12	5.35E-38	0.677012	0.177	0.028	7.99E-34	Tcell	SP140
SPN.14	6.81E-38	0.829668	0.245	0.052	1.02E-33	Tcell	SPN
GNB2L1.9	7.79E-38	0.340719	0.959	0.942	1.16E-33	Tcell	GNB2L1
STK17A.11	1.76E-37	1.086621	0.559	0.288	2.63E-33	Tcell	STK17A
UQCRB.7	2.07E-37	0.608744	0.777	0.676	3.09E-33	Tcell	UQCRB
TUBB2B.13	3.06E-37	-1.28413	0.1	0.563	4.58E-33	Tcell	TUBB2B
LY6E.8	3.21E-37	0.926464	0.636	0.371	4.80E-33	Tcell	LY6E
CCR2.2	6.25E-37	0.357502	0.064	0.004	9.35E-33	Tcell	CCR2
ARHGAP15.	7.48E-37	0.919746	0.332	0.092	1.12E-32	Tcell	ARHGAP15
ARHGAP30.	9.84E-37	0.851936	0.327	0.09	1.47E-32	Tcell	ARHGAP30
RARRES3.8	1.44E-36	0.813925	0.555	0.238	2.16E-32	Tcell	RARRES3
NOVA1.14	1.48E-36	-1.3835	0.032	0.488	2.21E-32	Tcell	NOVA1
RGS14.2	1.51E-36	0.733131	0.186	0.032	2.26E-32	Tcell	RGS14
UBC.7	1.80E-36	0.30113	0.955	0.951	2.70E-32	Tcell	UBC
CFL1.8	4.60E-36	0.263232	0.95	0.95	6.87E-32	Tcell	CFL1
WBP5.10	4.64E-36	-1.13417	0.045	0.511	6.93E-32	Tcell	WBP5
CKB.14	1.51E-35	-1.13878	0.159	0.59	2.26E-31	Tcell	CKB
RTN3.11	2.65E-35	-0.90209	0.177	0.664	3.96E-31	Tcell	RTN3
IRF1.10	2.86E-35	0.966476	0.482	0.201	4.28E-31	Tcell	IRF1
SLC1A3.12	3.73E-35	-1.21116	0.032	0.485	5.57E-31	Tcell	SLC1A3
BTF3.6	4.27E-35	0.374665	0.932	0.897	6.38E-31	Tcell	BTF3
HBA2.7	4.30E-35	1.373133	0.468	0.192	6.42E-31	Tcell	HBA2
QKI.10	6.52E-35	-1.1019	0.032	0.479	9.74E-31	Tcell	QKI
TAGAP.14	1.80E-34	0.904761	0.332	0.096	2.69E-30	Tcell	TAGAP

CCDC88C.3	4.83E-34	0.801202	0.2	0.039	7.21E-30	Tcell	CCDC88C
ITGA1	4.98E-34	0.410531	0.077	0.006	7.44E-30	Tcell	ITGA1
EEF2.5	7.60E-34	0.371139	0.886	0.828	1.14E-29	Tcell	EEF2
HMHA1.14	8.36E-34	0.905508	0.341	0.104	1.25E-29	Tcell	HMHA1
RP11-138A	1.13E-33	0.989475	0.364	0.121	1.70E-29	Tcell	RP11-138A9.1
HBB.8	1.38E-33	1.180985	0.65	0.394	2.06E-29	Tcell	HBB
DUSP1.11	3.51E-33	0.679542	0.759	0.571	5.24E-29	Tcell	DUSP1
NFKBIA.13	4.10E-33	0.834259	0.7	0.496	6.12E-29	Tcell	NFKBIA
LAPTM5.14	6.26E-33	0.626128	0.764	0.43	9.35E-29	Tcell	LAPTM5
GPSM3.14	6.93E-33	0.805775	0.564	0.256	1.04E-28	Tcell	GPSM3
RAB31.12	1.29E-32	-1.01509	0.036	0.468	1.93E-28	Tcell	RAB31
TCEAL4.1C	1.41E-32	-0.91225	0.114	0.58	2.10E-28	Tcell	TCEAL4
TCF4.14	1.99E-32	-0.96051	0.077	0.532	2.98E-28	Tcell	TCF4
MYL12B.11	2.52E-32	0.501971	0.805	0.725	3.76E-28	Tcell	MYL12B
WIPF1.14	3.71E-32	1.010321	0.477	0.215	5.54E-28	Tcell	WIPF1
MAP1B.11	4.42E-32	-1.08521	0.095	0.542	6.61E-28	Tcell	MAP1B
GPM6B.13	8.67E-32	-1.06362	0.195	0.627	1.30E-27	Tcell	GPM6B
CCL4.13	8.93E-32	1.152847	0.582	0.32	1.33E-27	Tcell	CCL4
PIM1.8	1.02E-31	0.903513	0.364	0.126	1.52E-27	Tcell	PIM1
ALAS2	1.82E-31	0.301644	0.045	0.002	2.72E-27	Tcell	ALAS2
PSME1.11	4.58E-31	0.645329	0.745	0.58	6.84E-27	Tcell	PSME1
H3F3B.9	4.95E-31	0.276515	0.982	0.97	7.39E-27	Tcell	H3F3B
PPDPF.10	5.61E-31	0.461593	0.845	0.709	8.39E-27	Tcell	PPDPF
NBEAL1.1C	5.93E-31	0.586352	0.823	0.662	8.86E-27	Tcell	NBEAL1
GIMAP5.12	6.78E-31	0.801488	0.214	0.047	1.01E-26	Tcell	GIMAP5
PRDX4.9	1.48E-30	-0.90358	0.109	0.555	2.22E-26	Tcell	PRDX4
FSCN1.11	1.51E-30	-0.92058	0.082	0.512	2.26E-26	Tcell	FSCN1
GLTSCR2.9	1.79E-30	0.756608	0.695	0.561	2.67E-26	Tcell	GLTSCR2
CTSL.14	2.16E-30	-1.03649	0.095	0.532	3.22E-26	Tcell	CTSL
FYB.14	2.36E-30	0.76905	0.505	0.217	3.53E-26	Tcell	FYB
SLA.14	5.00E-30	0.801916	0.473	0.197	7.47E-26	Tcell	SLA
ITGA4.12	5.71E-30	0.757845	0.191	0.04	8.53E-26	Tcell	ITGA4
C1orf61.1	5.80E-30	-1.12407	0.145	0.542	8.67E-26	Tcell	C1orf61
CALM1.13	9.63E-30	0.388775	0.85	0.77	1.44E-25	Tcell	CALM1
PDCD4.12	1.29E-29	0.951147	0.382	0.144	1.92E-25	Tcell	PDCD4
BCL11B.9	1.33E-29	0.759946	0.164	0.03	1.99E-25	Tcell	BCL11B
RHOB.9	1.47E-29	-0.79886	0.164	0.617	2.20E-25	Tcell	RHOB
TSC22D1.1	1.53E-29	-0.99	0.095	0.52	2.29E-25	Tcell	TSC22D1
CDC42SE2.1	1.99E-29	0.979033	0.459	0.214	2.98E-25	Tcell	CDC42SE2
ARPC1B.14	1.99E-29	0.63213	0.736	0.527	2.98E-25	Tcell	ARPC1B
RDX.13	2.39E-29	-0.89306	0.077	0.498	3.58E-25	Tcell	RDX
PMCH	2.89E-29	0.155643	0.023	0	4.31E-25	Tcell	PMCH
ZNF331.12	2.95E-29	0.886148	0.573	0.311	4.41E-25	Tcell	ZNF331
ATP5L.5	3.01E-29	0.366504	0.873	0.859	4.50E-25	Tcell	ATP5L
RBP1.12	3.81E-29	-1.09551	0.059	0.467	5.70E-25	Tcell	RBP1
PDPN.7	3.87E-29	-1.06446	0.05	0.457	5.78E-25	Tcell	PDPN
CNN3.12	3.94E-29	-1.10702	0.068	0.476	5.89E-25	Tcell	CNN3
APP.12	4.02E-29	-0.90971	0.105	0.532	6.00E-25	Tcell	APP
PFDN5.11	7.70E-29	0.362064	0.891	0.884	1.15E-24	Tcell	PFDN5
OST4.8	8.26E-29	0.422454	0.827	0.779	1.23E-24	Tcell	OST4
SOX4.12	1.11E-28	-1.16518	0.05	0.453	1.66E-24	Tcell	SOX4

RP4-594I1	1. 31E-28	0. 462296	0. 1	0. 012	1. 95E-24	Tcell	RP4-594I10. 3
GAP43. 13	1. 32E-28	-1. 23781	0. 073	0. 474	1. 97E-24	Tcell	GAP43
CST3. 8	1. 45E-28	-0. 653	0. 382	0. 794	2. 17E-24	Tcell	CST3
OASL. 8	2. 62E-28	0. 65807	0. 15	0. 027	3. 92E-24	Tcell	OASL
FNBP1. 9	2. 84E-28	0. 935269	0. 5	0. 258	4. 25E-24	Tcell	FNBP1
HSPA8. 8	3. 26E-28	0. 348783	0. 9	0. 865	4. 88E-24	Tcell	HSPA8
ZNF667-AS	4. 89E-28	-1. 00048	0. 014	0. 395	7. 31E-24	Tcell	ZNF667-AS1
GPM6A. 12	5. 15E-28	-0. 86444	0. 095	0. 512	7. 69E-24	Tcell	GPM6A
PSMB9. 12	5. 30E-28	0. 74561	0. 627	0. 401	7. 92E-24	Tcell	PSMB9
IL16. 13	6. 29E-28	0. 742203	0. 245	0. 065	9. 40E-24	Tcell	IL16
P2RY8. 1	6. 53E-28	0. 425287	0. 1	0. 013	9. 76E-24	Tcell	P2RY8
SEPT6. 11	7. 04E-28	0. 910663	0. 395	0. 161	1. 05E-23	Tcell	6-Sep
PCED1B. 11	1. 16E-27	0. 68627	0. 168	0. 033	1. 73E-23	Tcell	PCED1B
ANXA6. 6	1. 35E-27	0. 9607	0. 409	0. 18	2. 02E-23	Tcell	ANXA6
FXVD6. 14	1. 47E-27	-1. 03691	0. 077	0. 468	2. 20E-23	Tcell	FXVD6
SOX2. 14	1. 50E-27	-1. 07473	0. 05	0. 437	2. 23E-23	Tcell	SOX2
RHOBTB3. 1	1. 60E-27	-0. 90598	0. 032	0. 416	2. 39E-23	Tcell	RHOBTB3
PMP22. 12	1. 81E-27	-1. 11943	0. 045	0. 435	2. 71E-23	Tcell	PMP22
CALD1. 12	1. 97E-27	-0. 98025	0. 036	0. 427	2. 95E-23	Tcell	CALD1
MEST. 13	2. 73E-27	-0. 97041	0. 023	0. 393	4. 08E-23	Tcell	MEST
CD9. 7	3. 88E-27	-0. 99145	0. 164	0. 573	5. 79E-23	Tcell	CD9
PPP2R5C. 7	5. 67E-27	1. 069781	0. 482	0. 253	8. 47E-23	Tcell	PPP2R5C
EEF1B2. 12	6. 37E-27	0. 488069	0. 805	0. 776	9. 52E-23	Tcell	EEF1B2
FKBP11. 6	7. 07E-27	1. 049694	0. 318	0. 112	1. 06E-22	Tcell	FKBP11
YWHAE. 12	7. 24E-27	-0. 66193	0. 355	0. 76	1. 08E-22	Tcell	YWHAE
KLF6. 12	8. 08E-27	0. 710116	0. 714	0. 528	1. 21E-22	Tcell	KLF6
ELF1. 12	9. 93E-27	0. 848025	0. 486	0. 239	1. 48E-22	Tcell	ELF1
DST. 12	1. 14E-26	-0. 94254	0. 018	0. 383	1. 70E-22	Tcell	DST
MYL6. 10	1. 39E-26	0. 209857	0. 941	0. 942	2. 07E-22	Tcell	MYL6
HTRA1. 11	1. 97E-26	-0. 8648	0. 073	0. 467	2. 95E-22	Tcell	HTRA1
DEF6. 14	2. 09E-26	0. 787358	0. 282	0. 088	3. 12E-22	Tcell	DEF6
NCF1. 14	2. 56E-26	0. 800707	0. 336	0. 119	3. 82E-22	Tcell	NCF1
PCSK1N. 13	3. 35E-26	-1. 02871	0. 055	0. 427	5. 00E-22	Tcell	PCSK1N
SEMA4D. 13	3. 61E-26	0. 740914	0. 264	0. 077	5. 39E-22	Tcell	SEMA4D
DPYSL2. 10	4. 06E-26	-0. 81623	0. 05	0. 43	6. 07E-22	Tcell	DPYSL2
SLFN5. 5	4. 98E-26	0. 729801	0. 218	0. 057	7. 45E-22	Tcell	SLFN5
RCS1. 13	5. 25E-26	0. 760356	0. 336	0. 116	7. 84E-22	Tcell	RCS1
PON2. 12	6. 61E-26	-0. 9123	0. 073	0. 458	9. 88E-22	Tcell	PON2
LINC00944	6. 70E-26	0. 421457	0. 027	0. 001	1. 00E-21	Tcell	LINC00944
CCR6. 1	6. 91E-26	0. 415313	0. 068	0. 006	1. 03E-21	Tcell	CCR6
RAMP1. 11	8. 37E-26	-1. 19733	0. 05	0. 419	1. 25E-21	Tcell	RAMP1
SPOCK2. 11	1. 11E-25	0. 971836	0. 345	0. 135	1. 66E-21	Tcell	SPOCK2
S100A10. 1	2. 44E-25	0. 512112	0. 768	0. 54	3. 65E-21	Tcell	S100A10
SCD5. 13	2. 47E-25	-0. 92814	0. 036	0. 401	3. 68E-21	Tcell	SCD5
APOBEC3C. 3	5. 56E-25	0. 889594	0. 332	0. 124	5. 33E-21	Tcell	APOBEC3C
EPS8L2	4. 99E-25	0. 421748	0. 091	0. 012	7. 45E-21	Tcell	EPS8L2
ATOX1. 8	5. 47E-25	-0. 74657	0. 195	0. 612	8. 18E-21	Tcell	ATOX1
FABP7. 12	6. 64E-25	-1. 24787	0. 041	0. 39	9. 93E-21	Tcell	FABP7
CLEC2B. 14	7. 57E-25	0. 78215	0. 441	0. 2	1. 13E-20	Tcell	CLEC2B
S100B. 12	9. 74E-25	-0. 75175	0. 141	0. 535	1. 45E-20	Tcell	S100B
NFIA. 12	1. 02E-24	-0. 86576	0. 027	0. 386	1. 52E-20	Tcell	NFIA

MT3.12	1.09E-24	-1.14799	0.127	0.497	1.63E-20	Tcell	MT3
EIF3F.7	1.74E-24	0.559263	0.714	0.603	2.61E-20	Tcell	EIF3F
CCDC69.11	1.88E-24	0.636898	0.159	0.033	2.81E-20	Tcell	CCDC69
APLP2.12	1.96E-24	-0.69868	0.186	0.601	2.93E-20	Tcell	APLP2
KIAA1551.2	2.01E-24	0.876984	0.264	0.084	3.00E-20	Tcell	KIAA1551
IL10RA.14	2.03E-24	0.834394	0.35	0.134	3.03E-20	Tcell	IL10RA
RP11-47L3.2	2.12E-24	0.364813	0.077	0.009	3.17E-20	Tcell	RP11-47L3.1
TTC39C.6	2.13E-24	0.836881	0.25	0.077	3.18E-20	Tcell	TTC39C
NFIB.12	2.29E-24	-0.96482	0.032	0.385	3.42E-20	Tcell	NFIB
TUBA1A.11	2.81E-24	-0.61966	0.541	0.813	4.19E-20	Tcell	TUBA1A
FEZ1.13	4.15E-24	-0.85334	0.068	0.437	6.20E-20	Tcell	FEZ1
FCGRT.13	4.19E-24	-0.80617	0.155	0.558	6.26E-20	Tcell	FCGRT
TIMP1.11	7.68E-24	-0.89394	0.241	0.628	1.15E-19	Tcell	TIMP1
ABRACL.1C	7.77E-24	0.853673	0.509	0.3	1.16E-19	Tcell	ABRACL
PMP2.13	9.71E-24	-1.1648	0.023	0.356	1.45E-19	Tcell	PMP2
ID2.11	1.15E-23	0.605157	0.759	0.652	1.71E-19	Tcell	ID2
OXNAD1.3	1.39E-23	0.805401	0.227	0.066	2.08E-19	Tcell	OXNAD1
CD70.4	1.64E-23	0.616177	0.114	0.019	2.45E-19	Tcell	CD70
AC016831.1	1.67E-23	0.804965	0.232	0.068	2.50E-19	Tcell	AC016831.7
RAB27A.1C	1.94E-23	0.793413	0.245	0.075	2.89E-19	Tcell	RAB27A
NACA.8	2.21E-23	0.280134	0.905	0.925	3.30E-19	Tcell	NACA
MLLT11.11	2.26E-23	-0.8623	0.095	0.461	3.37E-19	Tcell	MLLT11
MARCKSL1.3	3.35E-23	-0.87394	0.2	0.551	5.01E-19	Tcell	MARCKSL1
PTPRZ1.14	3.63E-23	-0.95276	0.045	0.391	5.42E-19	Tcell	PTPRZ1
ZC3HAV1.8	4.41E-23	0.938036	0.382	0.173	6.59E-19	Tcell	ZC3HAV1
RAB11FIP1.4	4.88E-23	0.513875	0.132	0.025	7.29E-19	Tcell	RAB11FIP1
ARHGEF1.9	4.97E-23	0.830876	0.405	0.192	7.42E-19	Tcell	ARHGEF1
ARPC1A.1C	5.70E-23	-0.63927	0.159	0.566	8.52E-19	Tcell	ARPC1A
LAIR2.5	7.77E-23	0.223799	0.032	0.001	8.63E-19	Tcell	LAIR2
FAM213A.1	8.10E-23	-0.78227	0.045	0.389	1.21E-18	Tcell	FAM213A
DUSP4.11	8.80E-23	0.992973	0.382	0.176	1.31E-18	Tcell	DUSP4
MEI1.1	1.15E-22	0.640259	0.105	0.016	1.72E-18	Tcell	MEI1
EI24.11	1.28E-22	-0.70263	0.077	0.44	1.91E-18	Tcell	EI24
ASAH1.12	1.30E-22	-0.61518	0.236	0.659	1.95E-18	Tcell	ASAH1
CHID1.7	1.37E-22	-0.78518	0.086	0.443	2.05E-18	Tcell	CHID1
CHI3L1.12	1.54E-22	-1.06639	0.159	0.531	2.30E-18	Tcell	CHI3L1
HMGB1.8	1.54E-22	0.288491	0.895	0.86	2.31E-18	Tcell	HMGB1
PNRC1.11	1.57E-22	0.674267	0.65	0.538	2.35E-18	Tcell	PNRC1
IFITM3.7	1.77E-22	-0.88828	0.141	0.51	2.65E-18	Tcell	IFITM3
CD44.10	1.85E-22	0.642735	0.605	0.378	2.77E-18	Tcell	CD44
GRN.12	1.86E-22	-0.68212	0.177	0.578	2.78E-18	Tcell	GRN
COMMD6.8	2.46E-22	0.437043	0.809	0.776	3.68E-18	Tcell	COMMD6
SCARB2.6	3.37E-22	-0.69607	0.045	0.388	5.04E-18	Tcell	SCARB2
LCP2.14	4.91E-22	0.67181	0.309	0.111	7.34E-18	Tcell	LCP2
UCHL1.12	5.01E-22	-0.85159	0.091	0.443	7.48E-18	Tcell	UCHL1
SCG5.11	5.74E-22	-0.94998	0.018	0.334	8.57E-18	Tcell	SCG5
PLTP.11	6.10E-22	-0.86021	0.109	0.477	9.11E-18	Tcell	PLTP
CD74.13	6.30E-22	0.400362	0.882	0.749	9.41E-18	Tcell	CD74
CREM.12	6.34E-22	0.827312	0.591	0.403	9.48E-18	Tcell	CREM
WRB.11	6.45E-22	-0.7742	0.077	0.426	9.64E-18	Tcell	WRB
SLC25A4.1	6.64E-22	-0.7371	0.077	0.433	9.92E-18	Tcell	SLC25A4

ALDH2.10	7.05E-22	-0.81813	0.045	0.377	1.05E-17	Tcell	ALDH2
CLIC4.13	7.83E-22	-0.77908	0.018	0.338	1.17E-17	Tcell	CLIC4
CTNNA1.6	7.93E-22	-0.66607	0.077	0.428	1.18E-17	Tcell	CTNNA1
LINC00461	8.06E-22	-0.85001	0.014	0.326	1.20E-17	Tcell	LINC00461
ITM2B.9	8.10E-22	0.345514	0.818	0.799	1.21E-17	Tcell	ITM2B
SELL.10	9.80E-22	0.697403	0.155	0.035	1.46E-17	Tcell	SELL
KCNAB2.1C	1.03E-21	0.750786	0.236	0.073	1.53E-17	Tcell	KCNAB2
PFN2.10	1.26E-21	-0.72862	0.086	0.441	1.89E-17	Tcell	PFN2
BASP1.12	1.32E-21	-0.82594	0.05	0.379	1.97E-17	Tcell	BASP1
LGMN.12	1.44E-21	-0.93097	0.036	0.357	2.14E-17	Tcell	LGMN
C16orf45.1	1.86E-21	-0.75945	0.014	0.324	2.78E-17	Tcell	C16orf45
TSPAN3.12	1.93E-21	-0.65732	0.1	0.466	2.89E-17	Tcell	TSPAN3
CBR1.10	1.94E-21	-0.70678	0.123	0.483	2.89E-17	Tcell	CBR1
PEA15.7	2.24E-21	-0.62993	0.095	0.45	3.34E-17	Tcell	PEA15
PSMB5.9	2.34E-21	-0.68031	0.209	0.602	3.50E-17	Tcell	PSMB5
COTL1.12	2.64E-21	0.663419	0.627	0.507	3.94E-17	Tcell	COTL1
MYL6B.13	2.81E-21	-0.7518	0.1	0.449	4.20E-17	Tcell	MYL6B
CD151.12	3.13E-21	-0.7286	0.123	0.489	4.68E-17	Tcell	CD151
ACP5.12	5.04E-21	0.654791	0.177	0.045	7.54E-17	Tcell	ACP5
LRP1.6	5.06E-21	-0.74937	0.036	0.356	7.56E-17	Tcell	LRP1
BNIP3L.7	5.62E-21	-0.58099	0.205	0.607	8.40E-17	Tcell	BNIP3L
TMEM176B.6	9.7E-21	-1.07977	0.041	0.358	1.04E-16	Tcell	TMEM176B
RAB13.11	7.52E-21	-0.86901	0.055	0.378	1.12E-16	Tcell	RAB13
CCDC88A.1	7.93E-21	-0.62828	0.082	0.423	1.19E-16	Tcell	CCDC88A
FMNL1.14	8.13E-21	0.70581	0.314	0.12	1.22E-16	Tcell	FMNL1
YBX3.7	8.51E-21	-0.734	0.077	0.411	1.27E-16	Tcell	YBX3
ADAM9.11	8.55E-21	-0.68772	0.023	0.336	1.28E-16	Tcell	ADAM9
ITGB2.14	8.88E-21	0.587546	0.564	0.319	1.33E-16	Tcell	ITGB2
ELAVL3.14	9.46E-21	-0.8018	0.014	0.316	1.41E-16	Tcell	ELAVL3
BRI3.8	1.06E-20	-0.6971	0.127	0.474	1.59E-16	Tcell	BRI3
TIMM8B.8	1.15E-20	-0.58624	0.177	0.551	1.72E-16	Tcell	TIMM8B
NFIX.13	1.16E-20	-0.74648	0.027	0.338	1.74E-16	Tcell	NFIX
NFIC.8	1.21E-20	-0.69406	0.091	0.44	1.81E-16	Tcell	NFIC
CPVL.14	1.22E-20	-1.04231	0.045	0.355	1.83E-16	Tcell	CPVL
GOLM1.13	1.29E-20	-0.74601	0.018	0.321	1.93E-16	Tcell	GOLM1
CORO1C.9	1.30E-20	-0.68093	0.055	0.379	1.95E-16	Tcell	CORO1C
CAMK2N1.1	1.31E-20	-0.82763	0.018	0.322	1.96E-16	Tcell	CAMK2N1
CXCL16.12	1.33E-20	-0.72848	0.109	0.46	1.98E-16	Tcell	CXCL16
TUBB2A.13	1.41E-20	-0.74685	0.136	0.484	2.10E-16	Tcell	TUBB2A
NME1.12	1.54E-20	-0.72325	0.205	0.575	2.30E-16	Tcell	NME1
SGCB.11	1.73E-20	-0.74478	0.023	0.331	2.59E-16	Tcell	SGCB
COX7C.7	1.96E-20	0.270901	0.855	0.886	2.93E-16	Tcell	COX7C
DPYSL3.12	2.18E-20	-0.75027	0.023	0.328	3.26E-16	Tcell	DPYSL3
RNF130.12	2.19E-20	-0.63317	0.118	0.469	3.28E-16	Tcell	RNF130
FAM127A.9	2.47E-20	-0.62978	0.114	0.466	3.70E-16	Tcell	FAM127A
EVI2B.14	2.81E-20	0.782361	0.418	0.199	4.21E-16	Tcell	EVI2B
TMEM205.1	2.90E-20	-0.7218	0.15	0.502	4.33E-16	Tcell	TMEM205
BAALC.13	2.96E-20	-0.77638	0.036	0.351	4.43E-16	Tcell	BAALC
LGALS3BP.3	5.3E-20	-0.7155	0.109	0.456	5.27E-16	Tcell	LGALS3BP
PLP2.11	3.92E-20	0.731884	0.536	0.34	5.85E-16	Tcell	PLP2
LIMD2.7	9.02E-20	0.872528	0.436	0.245	1.35E-15	Tcell	LIMD2

PGRMC1.11	1.02E-19	-0.63708	0.114	0.453	1.52E-15	Tcell	PGRMC1
PPP1R18.1	1.05E-19	0.779627	0.482	0.289	1.56E-15	Tcell	PPP1R18
SAT2.8	1.18E-19	-0.56382	0.2	0.593	1.76E-15	Tcell	SAT2
CD59.9	1.33E-19	-0.62571	0.182	0.56	1.99E-15	Tcell	CD59
MDK.13	1.37E-19	-0.73766	0.145	0.497	2.05E-15	Tcell	MDK
MAP2.14	1.69E-19	-0.73955	0.041	0.343	2.52E-15	Tcell	MAP2
MAGEF1.13	1.73E-19	-0.65883	0.055	0.369	2.59E-15	Tcell	MAGEF1
BEX4.11	1.97E-19	-0.73267	0.136	0.483	2.95E-15	Tcell	BEX4
DDR1.12	2.63E-19	-0.69455	0.036	0.337	3.93E-15	Tcell	DDR1
CPE.13	3.30E-19	-0.72322	0.073	0.396	4.92E-15	Tcell	CPE
RCN1.14	3.82E-19	-0.65027	0.05	0.36	5.70E-15	Tcell	RCN1
HERPUD1.1	3.87E-19	0.537909	0.727	0.64	5.78E-15	Tcell	HERPUD1
FTL.14	3.91E-19	0.156422	0.995	0.994	5.85E-15	Tcell	FTL
SPARCL1.1	4.20E-19	-0.97637	0.05	0.351	6.28E-15	Tcell	SPARCL1
G6PC3.6	4.27E-19	-0.67025	0.045	0.353	6.38E-15	Tcell	G6PC3
BUB3.7	4.27E-19	0.943356	0.482	0.304	6.38E-15	Tcell	BUB3
ZFYVE28	4.28E-19	0.595958	0.136	0.031	6.39E-15	Tcell	ZFYVE28
IFNGR2.12	4.37E-19	-0.63995	0.073	0.395	6.53E-15	Tcell	IFNGR2
ANAPC16.1	5.05E-19	0.588241	0.659	0.523	7.55E-15	Tcell	ANAPC16
CDH2.13	5.41E-19	-0.69313	0.009	0.289	8.08E-15	Tcell	CDH2
SP100.12	5.91E-19	0.60505	0.5	0.283	8.83E-15	Tcell	SP100
PAFAH1B3.6	6.13E-19	-0.64822	0.1	0.43	9.16E-15	Tcell	PAFAH1B3
BEX1.12	6.32E-19	-0.82019	0.055	0.357	9.45E-15	Tcell	BEX1
SPTSSA.7	6.41E-19	-0.66047	0.109	0.434	9.58E-15	Tcell	SPTSSA
CLNK	6.97E-19	0.256577	0.041	0.003	1.04E-14	Tcell	CLNK
RUFY3.11	7.02E-19	-0.65278	0.023	0.311	1.05E-14	Tcell	RUFY3
GCH1	7.74E-19	0.589191	0.118	0.024	1.16E-14	Tcell	GCH1
GSN.13	7.94E-19	-0.57657	0.159	0.516	1.19E-14	Tcell	GSN
DSTN.11	1.17E-18	-0.62195	0.264	0.625	1.74E-14	Tcell	DSTN
CD68.14	1.26E-18	-0.76455	0.127	0.447	1.88E-14	Tcell	CD68
APLP1.12	1.28E-18	-0.76415	0.055	0.357	1.91E-14	Tcell	APLP1
STK10.12	1.29E-18	0.664168	0.214	0.069	1.93E-14	Tcell	STK10
CXADR.12	1.45E-18	-0.72046	0.027	0.313	2.17E-14	Tcell	CXADR
NES.14	1.58E-18	-0.85855	0.009	0.281	2.35E-14	Tcell	NES
ANXA11.13	1.72E-18	0.73133	0.409	0.212	2.58E-14	Tcell	ANXA11
TMEM204	1.96E-18	0.239562	0.041	0.003	2.92E-14	Tcell	TMEM204
PODXL2.13	1.99E-18	-0.65341	0.027	0.313	2.97E-14	Tcell	PODXL2
TIMM13.5	2.04E-18	-0.57317	0.236	0.598	3.05E-14	Tcell	TIMM13
NDUFV3.4	2.06E-18	-0.58862	0.091	0.416	3.08E-14	Tcell	NDUFV3
RASGRP1.1	2.17E-18	0.818324	0.205	0.066	3.24E-14	Tcell	RASGRP1
GRINA.9	2.33E-18	-0.5425	0.109	0.443	3.49E-14	Tcell	GRINA
SRSF7.5	2.41E-18	0.576955	0.668	0.589	3.60E-14	Tcell	SRSF7
TMEM9.10	2.55E-18	-0.66271	0.064	0.373	3.81E-14	Tcell	TMEM9
FAM3C.13	2.66E-18	-0.55268	0.114	0.443	3.97E-14	Tcell	FAM3C
YIPF3.9	2.79E-18	-0.53926	0.141	0.489	4.17E-14	Tcell	YIPF3
GATM.9	3.03E-18	-0.7025	0.059	0.358	4.52E-14	Tcell	GATM
SEZ6L2.11	3.15E-18	-0.70901	0.009	0.278	4.70E-14	Tcell	SEZ6L2
METRN.14	3.24E-18	-0.75724	0.023	0.299	4.84E-14	Tcell	METRN
OAZ1.10	3.36E-18	0.205003	0.882	0.927	5.02E-14	Tcell	OAZ1
NME4.11	3.70E-18	-0.56896	0.073	0.388	5.53E-14	Tcell	NME4
IDH1.6	3.99E-18	-0.55431	0.077	0.386	5.96E-14	Tcell	IDH1



LINC00152	4.54E-18	0.781696	0.445	0.255	6.79E-14	Tcell	LINC00152
SERPINB6	4.58E-18	-0.58677	0.145	0.484	6.84E-14	Tcell	SERPINB6
CADM4	4.70E-18	-0.66552	0.005	0.268	7.02E-14	Tcell	CADM4
GNG7	4.96E-18	-0.79442	0.027	0.304	7.41E-14	Tcell	GNG7
PTMS	5.69E-18	-0.54971	0.218	0.559	8.50E-14	Tcell	PTMS
TCEAL7	6.20E-18	-0.75742	0.027	0.307	9.26E-14	Tcell	TCEAL7
RP3-395M2	6.25E-18	0.420836	0.073	0.01	9.34E-14	Tcell	RP3-395M20.12
S100A16	6.34E-18	-1.04411	0.036	0.312	9.48E-14	Tcell	S100A16
ITGAV	6.35E-18	-0.64001	0.014	0.283	9.49E-14	Tcell	ITGAV
ACTG1	7.23E-18	0.141703	0.927	0.949	1.08E-13	Tcell	ACTG1
COMT	7.35E-18	-0.55114	0.2	0.554	1.10E-13	Tcell	COMT
PKIB	7.40E-18	-0.79773	0.018	0.289	1.11E-13	Tcell	PKIB
NAGK	7.56E-18	-0.58515	0.077	0.387	1.13E-13	Tcell	NAGK
BCL2	7.72E-18	0.725584	0.168	0.047	1.15E-13	Tcell	BCL2
C1orf122	7.79E-18	-0.57505	0.15	0.495	1.16E-13	Tcell	C1orf122
CSRP2	8.39E-18	-0.91511	0.027	0.307	1.25E-13	Tcell	CSRP2
STMN4	9.11E-18	-0.98418	0.036	0.311	1.36E-13	Tcell	STMN4
ATP6VOB	9.69E-18	-0.44392	0.418	0.805	1.45E-13	Tcell	ATP6VOB
GOLIM4	1.00E-17	-0.62958	0.045	0.332	1.50E-13	Tcell	GOLIM4
TES	1.44E-17	0.690178	0.164	0.044	2.15E-13	Tcell	TES
ARF6	1.74E-17	0.784542	0.495	0.34	2.60E-13	Tcell	ARF6
NUPR1	1.98E-17	-0.81055	0.045	0.329	2.96E-13	Tcell	NUPR1
PTOV1	2.00E-17	-0.54036	0.118	0.445	2.98E-13	Tcell	PTOV1
PTTG1IP	2.11E-17	-0.56108	0.132	0.462	3.15E-13	Tcell	PTTG1IP
CADM1	2.34E-17	-0.65705	0.045	0.33	3.50E-13	Tcell	CADM1
HMGB2	2.56E-17	0.601439	0.632	0.492	3.83E-13	Tcell	HMGB2
ABHD12	2.63E-17	-0.58056	0.082	0.387	3.93E-13	Tcell	ABHD12
CRYAB	2.68E-17	-0.96746	0.191	0.505	4.01E-13	Tcell	CRYAB
PKIG	2.86E-17	-0.68648	0.036	0.316	4.27E-13	Tcell	PKIG
JAKMIP1	3.08E-17	0.511905	0.127	0.03	4.60E-13	Tcell	JAKMIP1
EGFR	3.13E-17	-0.77546	0.032	0.305	4.67E-13	Tcell	EGFR
HMGN1	3.20E-17	0.407047	0.7	0.664	4.78E-13	Tcell	HMGN1
POLD2	3.21E-17	-0.59962	0.114	0.427	4.80E-13	Tcell	POLD2
ERCC1	3.38E-17	-0.59584	0.15	0.478	5.05E-13	Tcell	ERCC1
ASNA1	3.41E-17	-0.55655	0.182	0.526	5.10E-13	Tcell	ASNA1
EIF3E	3.45E-17	0.444105	0.695	0.646	5.16E-13	Tcell	EIF3E
EPB41L2	3.61E-17	-0.72219	0.041	0.316	5.39E-13	Tcell	EPB41L2
RAB34	4.15E-17	-0.71362	0.023	0.288	6.19E-13	Tcell	RAB34
CALU	4.22E-17	-0.55123	0.1	0.409	6.30E-13	Tcell	CALU
IRS2	4.64E-17	-0.61393	0.059	0.354	6.94E-13	Tcell	IRS2
MANBAL	5.02E-17	-0.49111	0.05	0.34	7.51E-13	Tcell	MANBAL
NDUFS2	5.12E-17	-0.48158	0.205	0.557	7.66E-13	Tcell	NDUFS2
NT5C3B	5.48E-17	-0.56021	0.055	0.337	8.20E-13	Tcell	NT5C3B
RASSF4	5.49E-17	-0.65496	0.05	0.335	8.20E-13	Tcell	RASSF4
TAX1BP3	5.79E-17	-0.58424	0.086	0.387	8.66E-13	Tcell	TAX1BP3
CHD9	5.89E-17	-0.54919	0.145	0.473	8.80E-13	Tcell	CHD9
DDAH2	6.20E-17	-0.59081	0.164	0.495	9.26E-13	Tcell	DDAH2
FAM229B	6.21E-17	-0.60525	0.027	0.297	9.28E-13	Tcell	FAM229B
OAZ2	6.61E-17	-0.47202	0.168	0.512	9.87E-13	Tcell	OAZ2
ATAT1	6.66E-17	-0.63655	0.027	0.294	9.95E-13	Tcell	ATAT1
CTSB	6.82E-17	-0.5242	0.382	0.764	1.02E-12	Tcell	CTSB

TSPAN7.1C	6.86E-17	-0.66983	0.041	0.315	1.03E-12	Tcell	TSPAN7
TM2D2.4	7.29E-17	-0.64236	0.059	0.346	1.09E-12	Tcell	TM2D2
SPECC1.13	7.31E-17	-0.59471	0.032	0.301	1.09E-12	Tcell	SPECC1
HOMER3.9	7.54E-17	-0.61343	0	0.246	1.13E-12	Tcell	HOMER3
TPM3.12	7.59E-17	0.550185	0.641	0.557	1.13E-12	Tcell	TPM3
A2M.12	8.72E-17	-0.64628	0.15	0.47	1.30E-12	Tcell	A2M
RNF13.9	9.13E-17	-0.59621	0.159	0.487	1.36E-12	Tcell	RNF13
UBE2E1.6	9.15E-17	-0.44284	0.127	0.457	1.37E-12	Tcell	UBE2E1
MEG3.11	1.06E-16	-0.86235	0.041	0.31	1.58E-12	Tcell	MEG3
MSN.13	1.10E-16	0.746762	0.518	0.373	1.64E-12	Tcell	MSN
LAPTM4B.1	1.10E-16	-0.57398	0.055	0.337	1.65E-12	Tcell	LAPTM4B
DOCK8.14	1.27E-16	0.683232	0.286	0.118	1.90E-12	Tcell	DOCK8
RGCC.11	1.32E-16	0.712136	0.441	0.246	1.98E-12	Tcell	RGCC
SCG3.14	1.39E-16	-0.80259	0.018	0.271	2.08E-12	Tcell	SCG3
FKBP2.7	1.56E-16	-0.61852	0.255	0.596	2.33E-12	Tcell	FKBP2
NPC2.13	1.69E-16	-0.55686	0.35	0.698	2.52E-12	Tcell	NPC2
ATP6VOA1.	1.81E-16	-0.58942	0.027	0.29	2.70E-12	Tcell	ATP6VOA1
EMP3.13	1.81E-16	0.556258	0.595	0.446	2.70E-12	Tcell	EMP3
SUB1.10	1.81E-16	0.314453	0.755	0.756	2.71E-12	Tcell	SUB1
VIM.12	1.93E-16	0.366839	0.782	0.661	2.88E-12	Tcell	VIM
CD63.13	1.95E-16	-0.50125	0.609	0.93	2.91E-12	Tcell	CD63
RAP1B.9	2.06E-16	0.739428	0.55	0.432	3.08E-12	Tcell	RAP1B
COPRS.9	2.17E-16	-0.57918	0.064	0.339	3.24E-12	Tcell	COPRS
SPAG9.12	2.21E-16	-0.55568	0.073	0.358	3.30E-12	Tcell	SPAG9
ARHGAP9.1	2.33E-16	0.619626	0.232	0.083	3.47E-12	Tcell	ARHGAP9
JAM2.14	2.39E-16	-0.61464	0.009	0.257	3.57E-12	Tcell	JAM2
SPNS3.10	2.45E-16	0.466908	0.105	0.022	3.65E-12	Tcell	SPNS3
CCDC47.6	2.69E-16	-0.52178	0.109	0.41	4.02E-12	Tcell	CCDC47
NSFL1C.6	2.84E-16	-0.53831	0.105	0.407	4.24E-12	Tcell	NSFL1C
GAA.13	2.84E-16	-0.66269	0.055	0.325	4.24E-12	Tcell	GAA
TMC8.12	2.91E-16	0.522369	0.15	0.04	4.35E-12	Tcell	TMC8
AIG1.6	3.07E-16	-0.65647	0.059	0.339	4.58E-12	Tcell	AIG1
SMIM14.1C	3.09E-16	-0.6359	0.059	0.336	4.61E-12	Tcell	SMIM14
MAPT.12	3.14E-16	-0.65719	0.032	0.29	4.69E-12	Tcell	MAPT
FAM127B.1	3.31E-16	-0.65498	0.041	0.305	4.94E-12	Tcell	FAM127B
SCRG1.12	3.45E-16	-0.72027	0.073	0.351	5.16E-12	Tcell	SCRG1
CRMP1.12	3.50E-16	-0.69089	0.018	0.27	5.23E-12	Tcell	CRMP1
NCAM1.13	3.51E-16	-0.6227	0.064	0.34	5.24E-12	Tcell	NCAM1
FMNL2.10	3.61E-16	-0.58488	0.018	0.27	5.40E-12	Tcell	FMNL2
TTYH1.14	3.69E-16	-0.80408	0.023	0.272	5.51E-12	Tcell	TTYH1
GPR132.1C	3.70E-16	0.461943	0.123	0.029	5.53E-12	Tcell	GPR132
LSR	3.87E-16	0.470556	0.118	0.027	5.79E-12	Tcell	LSR
CRIP2.11	4.15E-16	-0.5462	0.045	0.319	6.21E-12	Tcell	CRIP2
MLF2.12	4.37E-16	-0.45713	0.259	0.616	6.53E-12	Tcell	MLF2
EVI2A.13	4.65E-16	0.563752	0.427	0.219	6.96E-12	Tcell	EVI2A
TIMP2.7	4.70E-16	-0.54543	0.055	0.331	7.02E-12	Tcell	TIMP2
CD81.11	4.77E-16	-0.53421	0.132	0.445	7.12E-12	Tcell	CD81
IGFBP2.12	5.89E-16	-0.72323	0.095	0.379	8.80E-12	Tcell	IGFBP2
MAP3K13.9	6.06E-16	-0.54464	0.1	0.399	9.06E-12	Tcell	MAP3K13
SRSF5.5	6.08E-16	0.419721	0.705	0.694	9.09E-12	Tcell	SRSF5
SCOC.10	6.40E-16	-0.48302	0.109	0.42	9.56E-12	Tcell	SCOC

TNFRSF12A	6.77E-16	-0.74136	0.036	0.292	1.01E-11	Tcell	TNFRSF12A
NEK6.10	6.98E-16	-0.63123	0.036	0.294	1.04E-11	Tcell	NEK6
CTSF.10	7.14E-16	-0.58005	0.023	0.274	1.07E-11	Tcell	CTSF
GSTP1.7	7.48E-16	-0.51314	0.445	0.829	1.12E-11	Tcell	GSTP1
TMEM59L.1	7.55E-16	-0.6086	0.018	0.263	1.13E-11	Tcell	TMEM59L
CFL2.11	7.63E-16	-0.61817	0.059	0.333	1.14E-11	Tcell	CFL2
SLC22A17.8	8.12E-16	-0.56209	0.032	0.289	1.21E-11	Tcell	SLC22A17
SRSF2.12	8.34E-16	0.468801	0.645	0.604	1.25E-11	Tcell	SRSF2
SCG2.13	8.75E-16	-0.70719	0.018	0.267	1.31E-11	Tcell	SCG2
SPARC.10	8.97E-16	-0.73868	0.1	0.389	1.34E-11	Tcell	SPARC
GCSH.13	9.20E-16	-0.55629	0.073	0.352	1.37E-11	Tcell	GCSH
KIF1B.11	1.02E-15	-0.46452	0.036	0.299	1.53E-11	Tcell	KIF1B
FZD3.11	1.08E-15	-0.55029	0.027	0.281	1.62E-11	Tcell	FZD3
GPR68	1.09E-15	0.158785	0.036	0.003	1.63E-11	Tcell	GPR68
GSTA4.12	1.10E-15	-0.50394	0.036	0.295	1.64E-11	Tcell	GSTA4
FIS1.8	1.13E-15	-0.45596	0.277	0.645	1.69E-11	Tcell	FIS1
C21orf91.1	1.14E-15	0.423341	0.114	0.026	1.70E-11	Tcell	C21orf91
ETV5.10	1.18E-15	-0.59166	0.018	0.263	1.76E-11	Tcell	ETV5
GSTM3.8	1.18E-15	-0.59298	0.023	0.273	1.76E-11	Tcell	GSTM3
ALDH7A1.9	1.19E-15	-0.57537	0.027	0.28	1.78E-11	Tcell	ALDH7A1
DNER.11	1.24E-15	-0.70495	0.032	0.284	1.86E-11	Tcell	DNER
GPR65.14	1.26E-15	0.76322	0.295	0.13	1.88E-11	Tcell	GPR65
ABI2.12	1.30E-15	-0.49982	0.082	0.367	1.94E-11	Tcell	ABI2
PPP2CB.13	1.34E-15	-0.53722	0.041	0.301	2.01E-11	Tcell	PPP2CB
ERI3.10	1.60E-15	-0.53707	0.091	0.374	2.39E-11	Tcell	ERI3
UBB.8	1.85E-15	0.180934	0.909	0.911	2.76E-11	Tcell	UBB
PCDH9.9	1.85E-15	-0.73342	0.018	0.259	2.77E-11	Tcell	PCDH9
MEF2C.13	1.93E-15	-0.71625	0.036	0.288	2.88E-11	Tcell	MEF2C
EPHX1.8	1.95E-15	-0.64902	0.005	0.236	2.92E-11	Tcell	EPHX1
HEY1.12	1.98E-15	-0.64177	0.014	0.251	2.96E-11	Tcell	HEY1
NREP.12	2.17E-15	-0.58523	0.027	0.277	3.24E-11	Tcell	NREP
MUM1.12	2.25E-15	-0.51876	0.086	0.369	3.36E-11	Tcell	MUM1
CD55.13	2.30E-15	0.710749	0.273	0.115	3.44E-11	Tcell	CD55
ENAH.13	2.39E-15	-0.49757	0.023	0.269	3.58E-11	Tcell	ENAH
SHISA4.12	2.55E-15	-0.58034	0.014	0.251	3.80E-11	Tcell	SHISA4
MAP1LC3A.2	6.3E-15	-0.55448	0.086	0.37	3.93E-11	Tcell	MAP1LC3A
NAA20.6	2.64E-15	-0.50707	0.182	0.502	3.95E-11	Tcell	NAA20
KLRF1	2.87E-15	0.42461	0.05	0.006	4.29E-11	Tcell	KLRF1
SOX11.13	2.91E-15	-0.7104	0.032	0.277	4.35E-11	Tcell	SOX11
NUDT3.9	3.00E-15	-0.54009	0.114	0.405	4.48E-11	Tcell	NUDT3
FAM210B.1	3.18E-15	-0.49144	0.027	0.274	4.75E-11	Tcell	FAM210B
CAP1.12	3.48E-15	0.514121	0.632	0.591	5.20E-11	Tcell	CAP1
NDRG2.9	3.48E-15	-0.73073	0.091	0.364	5.21E-11	Tcell	NDRG2
SLC39A3.1	3.59E-15	-0.44901	0.068	0.343	5.36E-11	Tcell	SLC39A3
SOX9.13	3.59E-15	-0.66475	0.032	0.276	5.37E-11	Tcell	SOX9
RAB10.5	3.88E-15	-0.43587	0.173	0.502	5.80E-11	Tcell	RAB10
DBN1.13	3.91E-15	-0.56882	0.055	0.316	5.84E-11	Tcell	DBN1
ATP6V1B2.4	4.01E-15	-0.5239	0.123	0.414	5.99E-11	Tcell	ATP6V1B2
IGFBP5.11	4.13E-15	-0.95144	0.032	0.273	6.18E-11	Tcell	IGFBP5
TCEA2.13	4.18E-15	-0.47987	0.091	0.373	6.24E-11	Tcell	TCEA2
AKR1B1.9	4.19E-15	-0.4317	0.273	0.632	6.26E-11	Tcell	AKR1B1

KIF5C.12	4.36E-15	-0.5699	0.027	0.272	6.52E-11	Tcell	KIF5C
MCL1.11	4.39E-15	0.496345	0.659	0.597	6.55E-11	Tcell	MCL1
GYPC.12	4.45E-15	0.639083	0.486	0.306	6.65E-11	Tcell	GYPC
BTF3L4.5	4.53E-15	-0.48634	0.182	0.518	6.77E-11	Tcell	BTF3L4
RRAGA.4	4.65E-15	-0.49055	0.105	0.394	6.95E-11	Tcell	RRAGA
GNB4.11	5.07E-15	-0.61457	0.009	0.237	7.58E-11	Tcell	GNB4
COA3.8	5.07E-15	-0.44781	0.173	0.482	7.58E-11	Tcell	COA3
LY86.14	5.18E-15	-0.93614	0.05	0.297	7.73E-11	Tcell	LY86
TCEAL3.3	5.69E-15	-0.54182	0.077	0.347	8.50E-11	Tcell	TCEAL3
SLC2A3.12	5.82E-15	0.639806	0.436	0.251	8.69E-11	Tcell	SLC2A3
SPTBN1.12	5.88E-15	-0.51576	0.032	0.279	8.78E-11	Tcell	SPTBN1
CXXC5.14	6.02E-15	-0.54409	0.105	0.385	9.00E-11	Tcell	CXXC5
SOD2.10	6.04E-15	-0.65994	0.232	0.542	9.02E-11	Tcell	SOD2
S100A13.1	6.12E-15	-0.80024	0.05	0.301	9.14E-11	Tcell	S100A13
COP8.12	6.17E-15	-0.49948	0.168	0.475	9.23E-11	Tcell	COP8
TMEM161B	6.35E-15	-0.64124	0.045	0.293	9.50E-11	Tcell	TMEM161B-AS1
YWHAG.10	6.67E-15	-0.42706	0.105	0.396	9.97E-11	Tcell	YWHAG
HDLBP.7	6.81E-15	-0.42626	0.068	0.341	1.02E-10	Tcell	HDLBP
GPC1.11	6.92E-15	-0.68644	0.014	0.241	1.03E-10	Tcell	GPC1
TPST1.9	8.44E-15	-0.58526	0.014	0.244	1.26E-10	Tcell	TPST1
TSTD1.7	8.48E-15	0.70725	0.364	0.194	1.27E-10	Tcell	TSTD1
HYAL2.13	8.61E-15	-0.51289	0.005	0.227	1.29E-10	Tcell	HYAL2
BOD1.13	8.66E-15	-0.47151	0.05	0.308	1.29E-10	Tcell	BOD1
GIMAP1.13	9.30E-15	0.621494	0.2	0.071	1.39E-10	Tcell	GIMAP1
RAB32.13	9.36E-15	-0.52474	0.014	0.243	1.40E-10	Tcell	RAB32
NR4A2.14	9.40E-15	0.642907	0.436	0.248	1.40E-10	Tcell	NR4A2
CCDC106.1	9.44E-15	-0.47911	0.009	0.236	1.41E-10	Tcell	CCDC106
CCDC112.1	9.46E-15	-0.53533	0.027	0.265	1.41E-10	Tcell	CCDC112
C5orf24.1	1.04E-14	-0.51346	0.05	0.301	1.55E-10	Tcell	C5orf24
FAM177A1.1	1.05E-14	0.798342	0.514	0.385	1.56E-10	Tcell	FAM177A1
TSPAN32.1	1.07E-14	0.441593	0.059	0.009	1.60E-10	Tcell	TSPAN32
MMP14.11	1.17E-14	-0.63441	0.005	0.226	1.74E-10	Tcell	MMP14
TMEM208.5	1.24E-14	-0.48057	0.168	0.473	1.86E-10	Tcell	TMEM208
NRP2.11	1.32E-14	-0.58121	0.005	0.225	1.97E-10	Tcell	NRP2
ATP6AP1.1	1.36E-14	-0.38216	0.177	0.499	2.03E-10	Tcell	ATP6AP1
EPN1.5	1.39E-14	-0.46145	0.073	0.339	2.08E-10	Tcell	EPN1
DTNA.12	1.41E-14	-0.65465	0.023	0.257	2.10E-10	Tcell	DTNA
MCTP2	1.54E-14	0.178242	0.036	0.003	2.30E-10	Tcell	MCTP2
PEBP1.12	1.56E-14	-0.43729	0.518	0.809	2.32E-10	Tcell	PEBP1
CBLB.2	1.61E-14	0.840181	0.2	0.074	2.40E-10	Tcell	CBLB
CKLF.11	1.61E-14	0.579956	0.605	0.518	2.40E-10	Tcell	CKLF
MYH9.13	1.63E-14	0.702568	0.35	0.185	2.44E-10	Tcell	MYH9
MFF.8	1.85E-14	-0.43998	0.182	0.495	2.76E-10	Tcell	MFF
KLHDC8A.1	1.85E-14	-0.57802	0.023	0.255	2.76E-10	Tcell	KLHDC8A
LBH.13	1.85E-14	0.792403	0.309	0.15	2.77E-10	Tcell	LBH
CRLS1.9	2.01E-14	-0.47779	0.045	0.288	3.01E-10	Tcell	CRLS1
FCGR1A.14	2.02E-14	-0.9673	0.036	0.263	3.01E-10	Tcell	FCGR1A
CISH	2.11E-14	0.523095	0.109	0.026	3.16E-10	Tcell	CISH
MS4A6A.14	2.25E-14	-0.79537	0.091	0.346	3.36E-10	Tcell	MS4A6A
FIBIN.13	2.25E-14	-0.64341	0.009	0.231	3.37E-10	Tcell	FIBIN
SPATS2.12	2.35E-14	-0.49161	0.027	0.263	3.51E-10	Tcell	SPATS2

REPIN1.13	2.41E-14	-0.45623	0.036	0.279	3.60E-10	Tcell	REPIN1
LIMA1.13	2.53E-14	-0.52094	0.064	0.323	3.78E-10	Tcell	LIMA1
MORN2.10	2.63E-14	-0.56659	0.032	0.266	3.93E-10	Tcell	MORN2
PLD3.7	2.71E-14	-0.43603	0.2	0.535	4.05E-10	Tcell	PLD3
ARHGAP21.2	2.77E-14	-0.53353	0.023	0.254	4.13E-10	Tcell	ARHGAP21
SLC44A1.8	2.88E-14	-0.53869	0.064	0.318	4.31E-10	Tcell	SLC44A1
RGS12.11	2.98E-14	-0.56564	0.036	0.275	4.46E-10	Tcell	RGS12
SMOX.11	3.21E-14	-0.61498	0.023	0.251	4.79E-10	Tcell	SMOX
ID4.12	3.24E-14	-0.68161	0.005	0.219	4.84E-10	Tcell	ID4
TRAF1.1	3.27E-14	0.417694	0.1	0.022	4.89E-10	Tcell	TRAF1
KHDRBS3.1	3.35E-14	-0.56565	0.005	0.219	5.00E-10	Tcell	KHDRBS3
TMED1.10	3.35E-14	-0.56143	0.05	0.296	5.01E-10	Tcell	TMED1
TSPAN13.1	3.41E-14	-0.64464	0.059	0.303	5.10E-10	Tcell	TSPAN13
SOCS6.8	3.73E-14	-0.57509	0.014	0.234	5.57E-10	Tcell	SOCS6
ASPH.9	3.88E-14	-0.46243	0.041	0.281	5.80E-10	Tcell	ASPH
TOMM7.7	4.08E-14	0.24298	0.841	0.852	6.10E-10	Tcell	TOMM7
FAM20C.11	4.09E-14	-0.53546	0.009	0.227	6.11E-10	Tcell	FAM20C
AK1.7	4.23E-14	-0.49193	0.077	0.34	6.32E-10	Tcell	AK1
AP1S1.11	4.51E-14	-0.43834	0.173	0.473	6.74E-10	Tcell	AP1S1
YBX1.10	4.55E-14	0.235769	0.791	0.763	6.80E-10	Tcell	YBX1
ANAPC11.9	4.64E-14	-0.49012	0.386	0.733	6.93E-10	Tcell	ANAPC11
ITGB8.12	4.69E-14	-0.49626	0.018	0.244	7.00E-10	Tcell	ITGB8
CREB5.13	4.80E-14	-0.59206	0.018	0.239	7.18E-10	Tcell	CREB5
ARL3.6	4.89E-14	-0.44025	0.082	0.351	7.30E-10	Tcell	ARL3
SIRPA.11	4.96E-14	-0.51295	0.023	0.248	7.41E-10	Tcell	SIRPA
C8orf33.1	5.48E-14	-0.35123	0.068	0.323	8.19E-10	Tcell	C8orf33
SDCCAG8.9	5.63E-14	-0.52732	0.077	0.334	8.41E-10	Tcell	SDCCAG8
CTTN.11	5.69E-14	-0.52518	0.014	0.233	8.50E-10	Tcell	CTTN
FEZ2.9	5.81E-14	-0.42429	0.155	0.454	8.69E-10	Tcell	FEZ2
APOC1.13	6.12E-14	-0.66234	0.241	0.521	9.15E-10	Tcell	APOC1
FKBP10.12	6.30E-14	-0.54982	0.005	0.216	9.42E-10	Tcell	FKBP10
MT1M.8	6.46E-14	-0.70576	0.023	0.248	9.65E-10	Tcell	MT1M
IL13RA1.1	6.70E-14	-0.63292	0.027	0.253	1.00E-09	Tcell	IL13RA1
H3F3A.5	6.99E-14	0.228885	0.814	0.746	1.04E-09	Tcell	H3F3A
IL18R1.1	6.99E-14	0.343191	0.064	0.01	1.05E-09	Tcell	IL18R1
PRCP.10	7.03E-14	-0.4456	0.091	0.36	1.05E-09	Tcell	PRCP
MS4A4A.14	7.18E-14	-0.87655	0.055	0.29	1.07E-09	Tcell	MS4A4A
CCND1.7	7.44E-14	-0.6186	0.009	0.223	1.11E-09	Tcell	CCND1
SNRPD2.7	7.53E-14	0.296965	0.755	0.747	1.13E-09	Tcell	SNRPD2
SLIRP.5	7.69E-14	-0.51782	0.305	0.627	1.15E-09	Tcell	SLIRP
PDRG1.10	7.86E-14	-0.49604	0.036	0.272	1.17E-09	Tcell	PDRG1
TMEM173.1	7.90E-14	0.668995	0.277	0.123	1.18E-09	Tcell	TMEM173
PTPRS.14	8.06E-14	-0.55098	0.032	0.262	1.20E-09	Tcell	PTPRS
PVRL2.10	8.36E-14	-0.50241	0.023	0.247	1.25E-09	Tcell	PVRL2
LAMTOR2.1	8.39E-14	-0.36121	0.264	0.593	1.25E-09	Tcell	LAMTOR2
ACSL3.7	8.41E-14	-0.4115	0.082	0.346	1.26E-09	Tcell	ACSL3
MAFB.12	8.57E-14	-0.68725	0.073	0.319	1.28E-09	Tcell	MAFB
UBE2E2.8	8.74E-14	-0.59018	0.023	0.244	1.31E-09	Tcell	UBE2E2
CIB1.12	8.84E-14	0.541471	0.6	0.49	1.32E-09	Tcell	CIB1
SPOCD1.11	9.38E-14	-0.86093	0.009	0.221	1.40E-09	Tcell	SPOCD1
RPAIN.11	9.52E-14	-0.47443	0.186	0.491	1.42E-09	Tcell	RPAIN

ATP1B2.13	9.55E-14	-0.55831	0.018	0.237	1.43E-09	Tcell	ATP1B2
BLVRB.10	1.02E-13	-0.61092	0.114	0.379	1.53E-09	Tcell	BLVRB
EFEMP1.11	1.04E-13	-1.06889	0.014	0.225	1.55E-09	Tcell	EFEMP1
CLTC.9	1.10E-13	-0.46067	0.091	0.354	1.64E-09	Tcell	CLTC
SEC13.4	1.12E-13	-0.42437	0.1	0.373	1.67E-09	Tcell	SEC13
SERPINE2.1	1.12E-13	-0.524	0.055	0.298	1.68E-09	Tcell	SERPINE2
SLC35B1.7	1.13E-13	-0.31874	0.114	0.396	1.69E-09	Tcell	SLC35B1
PLEKHB2.7	1.17E-13	-0.40899	0.123	0.404	1.74E-09	Tcell	PLEKHB2
NPDC1.11	1.17E-13	-0.50856	0.073	0.328	1.75E-09	Tcell	NPDC1
FCGR2A.14	1.19E-13	-0.8229	0.059	0.293	1.78E-09	Tcell	FCGR2A
NRN1.7	1.22E-13	-0.64738	0.032	0.258	1.82E-09	Tcell	NRN1
ACTN1.11	1.22E-13	-0.53497	0.032	0.259	1.82E-09	Tcell	ACTN1
FHL1.14	1.23E-13	-0.48322	0.091	0.362	1.84E-09	Tcell	FHL1
POU3F2.12	1.28E-13	-0.56239	0.009	0.22	1.91E-09	Tcell	POU3F2
LHFP.13	1.28E-13	-0.60937	0.018	0.236	1.92E-09	Tcell	LHFP
ANXA1.11	1.32E-13	0.49688	0.586	0.406	1.97E-09	Tcell	ANXA1
RCAN1.9	1.34E-13	-0.69154	0.041	0.272	2.01E-09	Tcell	RCAN1
LYRM5.10	1.37E-13	-0.53965	0.086	0.346	2.04E-09	Tcell	LYRM5
ARL8A.10	1.37E-13	-0.43879	0.041	0.277	2.05E-09	Tcell	ARL8A
TXNDC17.1	1.44E-13	-0.50668	0.218	0.531	2.15E-09	Tcell	TXNDC17
FERMT3.14	1.47E-13	0.562366	0.327	0.163	2.20E-09	Tcell	FERMT3
PHC2.6	1.47E-13	-0.48544	0.045	0.281	2.20E-09	Tcell	PHC2
FNDC4.11	1.55E-13	-0.4819	0	0.202	2.32E-09	Tcell	FNDC4
GAMT.11	1.60E-13	-0.34711	0.055	0.304	2.39E-09	Tcell	GAMT
RND3.12	1.62E-13	-0.6726	0.027	0.247	2.41E-09	Tcell	RND3
NRCAM.13	1.62E-13	-0.51743	0.041	0.274	2.42E-09	Tcell	NRCAM
WAS.14	1.63E-13	0.566561	0.341	0.171	2.43E-09	Tcell	WAS
KCNQ2.13	1.67E-13	-0.52884	0.009	0.219	2.50E-09	Tcell	KCNQ2
FGD3.7	1.74E-13	0.524298	0.132	0.038	2.60E-09	Tcell	FGD3
DBI.11	1.79E-13	-0.47338	0.564	0.849	2.68E-09	Tcell	DBI
PLIN3.10	1.88E-13	-0.49562	0.1	0.363	2.81E-09	Tcell	PLIN3
TAP1.8	1.92E-13	0.746457	0.395	0.251	2.87E-09	Tcell	TAP1
SERPINA1.1	1.93E-13	-0.68395	0.064	0.304	2.88E-09	Tcell	SERPINA1
CLCN3.11	1.95E-13	-0.41717	0.027	0.252	2.92E-09	Tcell	CLCN3
RAB1A.7	1.98E-13	-0.42244	0.286	0.626	2.96E-09	Tcell	RAB1A
MAGED1.12	1.99E-13	-0.45896	0.086	0.35	2.97E-09	Tcell	MAGED1
NDN.13	2.01E-13	-0.50172	0	0.2	3.01E-09	Tcell	NDN
RTN4.12	2.02E-13	-0.40639	0.391	0.706	3.02E-09	Tcell	RTN4
GRIA2.12	2.14E-13	-0.55545	0.009	0.216	3.19E-09	Tcell	GRIA2
VAMP8.14	2.37E-13	0.442709	0.55	0.339	3.55E-09	Tcell	VAMP8
AKR1A1.1C	2.44E-13	-0.50686	0.205	0.503	3.64E-09	Tcell	AKR1A1
HEPN1.11	2.46E-13	-0.6347	0.005	0.208	3.68E-09	Tcell	HEPN1
ZNF101	2.62E-13	0.598318	0.132	0.038	3.91E-09	Tcell	ZNF101
MMP2.9	2.74E-13	-0.56207	0.018	0.231	4.10E-09	Tcell	MMP2
MORF4L2.9	2.76E-13	-0.36852	0.305	0.631	4.13E-09	Tcell	MORF4L2
CDO1.12	2.90E-13	-0.55922	0.023	0.239	4.34E-09	Tcell	CDO1
TOP1.9	3.03E-13	-0.42491	0.123	0.394	4.53E-09	Tcell	TOP1
TMEM98.11	3.10E-13	-0.51983	0.023	0.239	4.64E-09	Tcell	TMEM98
PFDN1.2	3.14E-13	-0.41205	0.159	0.453	4.69E-09	Tcell	PFDN1
EPN2.12	3.20E-13	-0.4418	0.023	0.241	4.79E-09	Tcell	EPN2
BCAN.14	3.28E-13	-0.75818	0.055	0.28	4.90E-09	Tcell	BCAN

LAPTM4A. 9	3. 72E-13	-0. 42184	0. 427	0. 779	5. 55E-09	Tcell	LAPTM4A
FJX1. 12	3. 75E-13	-0. 55732	0. 005	0. 205	5. 60E-09	Tcell	FJX1
SLC39A1. 8	3. 76E-13	-0. 44018	0. 123	0. 392	5. 62E-09	Tcell	SLC39A1
C1R. 14	3. 78E-13	-0. 94437	0. 014	0. 219	5. 65E-09	Tcell	C1R
YPEL5. 6	3. 81E-13	0. 685921	0. 55	0. 45	5. 69E-09	Tcell	YPEL5
TNFRSF1A. 3.	82E-13	-0. 47347	0. 109	0. 377	5. 71E-09	Tcell	TNFRSF1A
TMEM176A. 3.	96E-13	-0. 81645	0. 023	0. 231	5. 91E-09	Tcell	TMEM176A
SYT11. 13	4. 04E-13	-0. 47464	0. 118	0. 389	6. 03E-09	Tcell	SYT11
SIGIRR. 1C	4. 07E-13	0. 72201	0. 345	0. 193	6. 09E-09	Tcell	SIGIRR
ATP2A2. 8	4. 19E-13	-0. 43183	0. 05	0. 283	6. 26E-09	Tcell	ATP2A2
FLYWCH2. 7	4. 44E-13	-0. 4105	0. 073	0. 314	6. 63E-09	Tcell	FLYWCH2
CYFIP1. 12	4. 57E-13	-0. 58819	0. 059	0. 287	6. 83E-09	Tcell	CYFIP1
FPR1. 14	4. 60E-13	-0. 85024	0. 064	0. 289	6. 88E-09	Tcell	FPR1
BANF1. 5	4. 61E-13	-0. 42346	0. 305	0. 668	6. 89E-09	Tcell	BANF1
PRKRA. 8	4. 70E-13	-0. 38581	0. 1	0. 366	7. 02E-09	Tcell	PRKRA
F3. 12	4. 76E-13	-0. 57538	0	0. 195	7. 11E-09	Tcell	F3
RP11-539L	4. 89E-13	0. 184008	0. 023	0. 001	7. 31E-09	Tcell	RP11-539L10. 2
PCBP4. 14	4. 96E-13	-0. 47432	0. 036	0. 26	7. 41E-09	Tcell	PCBP4
C3. 13	5. 08E-13	-0. 64417	0. 145	0. 406	7. 59E-09	Tcell	C3
FAIM2. 11	5. 11E-13	-0. 61176	0	0. 195	7. 64E-09	Tcell	FAIM2
RNF24. 10	5. 20E-13	-0. 46282	0. 032	0. 252	7. 77E-09	Tcell	RNF24
BCAT1. 12	5. 35E-13	-0. 50357	0. 023	0. 235	7. 99E-09	Tcell	BCAT1
SEMA6A. 1C	5. 45E-13	-0. 47445	0. 005	0. 203	8. 14E-09	Tcell	SEMA6A
LAMP2. 9	5. 48E-13	-0. 49561	0. 186	0. 476	8. 18E-09	Tcell	LAMP2
RDH11. 5	5. 50E-13	-0. 41988	0. 123	0. 393	8. 22E-09	Tcell	RDH11
GGH. 11	5. 55E-13	-0. 50084	0. 041	0. 267	8. 29E-09	Tcell	GGH
TRIM2. 10	5. 63E-13	-0. 49072	0. 018	0. 227	8. 41E-09	Tcell	TRIM2
SLC25A6. 8	5. 80E-13	0. 232564	0. 823	0. 858	8. 66E-09	Tcell	SLC25A6
GTF2I. 12	5. 89E-13	-0. 44365	0. 15	0. 432	8. 80E-09	Tcell	GTF2I
C1QB. 14	5. 93E-13	-0. 57952	0. 309	0. 575	8. 87E-09	Tcell	C1QB
EFEMP2. 9	5. 99E-13	-0. 45357	0. 014	0. 218	8. 95E-09	Tcell	EFEMP2
C8orf4. 1C	6. 27E-13	-0. 91654	0. 023	0. 232	9. 36E-09	Tcell	C8orf4
CRK. 8	6. 33E-13	-0. 39372	0. 073	0. 321	9. 46E-09	Tcell	CRK
CHPT1. 10	6. 37E-13	-0. 40452	0. 064	0. 308	9. 51E-09	Tcell	CHPT1
SCPEP1. 12	6. 49E-13	-0. 55097	0. 1	0. 351	9. 69E-09	Tcell	SCPEP1
CNP. 10	6. 50E-13	-0. 46598	0. 118	0. 382	9. 71E-09	Tcell	CNP
PBX1. 12	6. 69E-13	-0. 48158	0. 014	0. 218	1. 00E-08	Tcell	PBX1
CCR5. 9	6. 77E-13	0. 426739	0. 1	0. 024	1. 01E-08	Tcell	CCR5
OBFC1. 6	6. 86E-13	0. 683701	0. 209	0. 084	1. 03E-08	Tcell	OBFC1
SMARCD3. 1	6. 88E-13	-0. 41401	0. 023	0. 235	1. 03E-08	Tcell	SMARCD3
ABCA1. 8	7. 09E-13	-0. 47787	0. 027	0. 243	1. 06E-08	Tcell	ABCA1
CD99. 8	7. 29E-13	0. 299569	0. 718	0. 636	1. 09E-08	Tcell	CD99
COL6A1. 13	7. 32E-13	-0. 51627	0. 023	0. 233	1. 09E-08	Tcell	COL6A1
HSD17B12. 7.	81E-13	-0. 39863	0. 136	0. 419	1. 17E-08	Tcell	HSD17B12
TNFRSF1B. 8.	02E-13	0. 577036	0. 35	0. 185	1. 20E-08	Tcell	TNFRSF1B
WLS. 10	8. 34E-13	-0. 456	0. 014	0. 218	1. 25E-08	Tcell	WLS
TNFSF14. 1	8. 66E-13	0. 3665	0. 059	0. 01	1. 29E-08	Tcell	TNFSF14
HINT1. 7	8. 73E-13	0. 191365	0. 8	0. 828	1. 30E-08	Tcell	HINT1
HILPDA. 11	8. 83E-13	-0. 726	0. 023	0. 231	1. 32E-08	Tcell	HILPDA
CPM. 11	9. 03E-13	-0. 72001	0. 027	0. 239	1. 35E-08	Tcell	CPM
HADHB. 6	9. 16E-13	-0. 4266	0. 177	0. 466	1. 37E-08	Tcell	HADHB

TTYH3.10	9.21E-13	-0.5051	0.036	0.251	1.38E-08	Tcell	TTYH3
TCF12.13	9.28E-13	-0.49878	0.059	0.288	1.39E-08	Tcell	TCF12
CENPV.13	9.35E-13	-0.40939	0.041	0.259	1.40E-08	Tcell	CENPV
ETV1.14	9.44E-13	-0.54586	0.032	0.248	1.41E-08	Tcell	ETV1
SORT1.9	1.01E-12	-0.46617	0.023	0.233	1.51E-08	Tcell	SORT1
MAPK10.12	1.02E-12	-0.51529	0.005	0.198	1.52E-08	Tcell	MAPK10
TREM2.14	1.02E-12	-0.73568	0.114	0.355	1.52E-08	Tcell	TREM2
HIF1A.7	1.03E-12	-0.36438	0.2	0.503	1.54E-08	Tcell	HIF1A
CREG1.13	1.04E-12	-0.54931	0.068	0.301	1.55E-08	Tcell	CREG1
HMOX1.14	1.05E-12	-0.69721	0.068	0.299	1.57E-08	Tcell	HMOX1
ALKBH2.12	1.10E-12	-0.49605	0.005	0.199	1.65E-08	Tcell	ALKBH2
CLEC11A.1	1.11E-12	-0.48433	0.027	0.236	1.66E-08	Tcell	CLEC11A
BCHE.11	1.11E-12	-0.53043	0	0.19	1.67E-08	Tcell	BCHE
SNN.13	1.12E-12	-0.50208	0.023	0.23	1.68E-08	Tcell	SNN
CNPY2.9	1.15E-12	-0.38632	0.259	0.574	1.72E-08	Tcell	CNPY2
TIMMDC1.5	1.18E-12	-0.47374	0.127	0.392	1.76E-08	Tcell	TIMMDC1
HEXB.13	1.24E-12	-0.4109	0.136	0.411	1.85E-08	Tcell	HEXB
TSEN34.9	1.24E-12	-0.41785	0.109	0.373	1.85E-08	Tcell	TSEN34
GDI1.13	1.25E-12	-0.32985	0.195	0.491	1.87E-08	Tcell	GDI1
FAM181B.1	1.27E-12	-0.52367	0.009	0.207	1.90E-08	Tcell	FAM181B
MYO10.13	1.28E-12	-0.51204	0.005	0.198	1.91E-08	Tcell	MYO10
MS4A7.14	1.28E-12	-0.81268	0.109	0.336	1.91E-08	Tcell	MS4A7
SUSD3.13	1.29E-12	0.549713	0.227	0.093	1.93E-08	Tcell	SUSD3
ISOC2.11	1.34E-12	-0.46997	0.1	0.354	2.01E-08	Tcell	ISOC2
PTRF.14	1.38E-12	-0.51466	0	0.189	2.06E-08	Tcell	PTRF
EZR.11	1.39E-12	0.716306	0.464	0.34	2.08E-08	Tcell	EZR
DSEL.14	1.44E-12	-0.49218	0.023	0.229	2.15E-08	Tcell	DSEL
UROD.9	1.45E-12	-0.48166	0.105	0.364	2.17E-08	Tcell	UROD
LARP6.11	1.48E-12	-0.52556	0.005	0.196	2.22E-08	Tcell	LARP6
AHCYL1.11	1.49E-12	-0.43828	0.086	0.332	2.23E-08	Tcell	AHCYL1
SRGAP1.9	1.52E-12	-0.53232	0.023	0.229	2.27E-08	Tcell	SRGAP1
DTYMK.13	1.55E-12	-0.43829	0.086	0.334	2.32E-08	Tcell	DTYMK
RP11-553L	1.56E-12	-0.44602	0.023	0.23	2.33E-08	Tcell	RP11-553L6.5
PTS.10	1.59E-12	-0.43677	0.082	0.331	2.38E-08	Tcell	PTS
SV2A.9	1.60E-12	-0.31092	0.009	0.205	2.38E-08	Tcell	SV2A
TNC.13	1.60E-12	-0.62143	0.009	0.205	2.40E-08	Tcell	TNC
QDPR.9	1.66E-12	-0.40781	0.105	0.365	2.49E-08	Tcell	QDPR
CETN2.11	1.70E-12	-0.50628	0.082	0.327	2.54E-08	Tcell	CETN2
TRIM9.12	1.72E-12	-0.4085	0.027	0.237	2.57E-08	Tcell	TRIM9
MLEC.8	1.88E-12	-0.34337	0.132	0.406	2.82E-08	Tcell	MLEC
HRAS.12	1.89E-12	-0.41201	0.064	0.298	2.83E-08	Tcell	HRAS
LINC00996	1.98E-12	0.161695	0.036	0.004	2.96E-08	Tcell	LINC00996
LMO4.14	1.99E-12	-0.44201	0.195	0.483	2.97E-08	Tcell	LMO4
DOK5.12	2.10E-12	-0.5187	0	0.186	3.14E-08	Tcell	DOK5
ARL2.9	2.10E-12	-0.45704	0.164	0.444	3.14E-08	Tcell	ARL2
DYNC1LI2.	2.12E-12	-0.36393	0.095	0.349	3.17E-08	Tcell	DYNC1LI2
VEGFA.10	2.14E-12	-0.55116	0.018	0.22	3.19E-08	Tcell	VEGFA
ZKSCAN1.1	2.15E-12	-0.31688	0.077	0.321	3.21E-08	Tcell	ZKSCAN1
IFNAR1.9	2.18E-12	-0.45362	0.064	0.294	3.26E-08	Tcell	IFNAR1
PLS3.12	2.20E-12	-0.51684	0.023	0.225	3.29E-08	Tcell	PLS3
SCCPDH.7	2.21E-12	-0.33736	0.114	0.382	3.30E-08	Tcell	SCCPDH



PSRC1.11	2.27E-12	-0.51734	0.05	0.268	3.39E-08	Tcell	PSRC1
ARMCX1.11	2.31E-12	-0.54297	0.018	0.217	3.45E-08	Tcell	ARMCX1
MPC1.8	2.41E-12	-0.42208	0.195	0.493	3.59E-08	Tcell	MPC1
C3orf14.9	2.41E-12	-0.50239	0.05	0.268	3.61E-08	Tcell	C3orf14
SSR3.12	2.43E-12	-0.36633	0.232	0.532	3.63E-08	Tcell	SSR3
HNRNPA1L2	2.45E-12	0.719483	0.341	0.198	3.66E-08	Tcell	HNRNPA1L2
RUVBL2.9	2.49E-12	-0.39474	0.082	0.322	3.73E-08	Tcell	RUVBL2
VCAN.9	2.51E-12	-0.40673	0.036	0.25	3.76E-08	Tcell	VCAN
SLC11A1.1	2.55E-12	-0.63429	0.077	0.31	3.80E-08	Tcell	SLC11A1
VKORC1.8	2.67E-12	-0.38303	0.209	0.502	3.99E-08	Tcell	VKORC1
LRRC59.9	2.69E-12	-0.40529	0.109	0.362	4.02E-08	Tcell	LRRC59
IMPDH2.1C	2.71E-12	-0.46459	0.15	0.422	4.05E-08	Tcell	IMPDH2
CDK4.7	2.71E-12	-0.44539	0.205	0.489	4.05E-08	Tcell	CDK4
RP11-620J	2.74E-12	-0.53583	0.055	0.274	4.10E-08	Tcell	RP11-620J15.3
ACP2.7	2.80E-12	-0.47054	0.036	0.247	4.19E-08	Tcell	ACP2
C20orf27.	2.85E-12	-0.39193	0.105	0.365	4.25E-08	Tcell	C20orf27
BAIAP2.8	2.85E-12	-0.47558	0.009	0.201	4.26E-08	Tcell	BAIAP2
SEC63.5	2.94E-12	-0.27209	0.123	0.393	4.39E-08	Tcell	SEC63
TTL7.11	2.94E-12	-0.4553	0.032	0.241	4.40E-08	Tcell	TTL7
LEPROT.4	2.95E-12	-0.34211	0.127	0.396	4.41E-08	Tcell	LEPROT
CLIP3.12	3.04E-12	-0.47728	0.009	0.201	4.54E-08	Tcell	CLIP3
CD14.14	3.05E-12	-0.61504	0.164	0.413	4.56E-08	Tcell	CD14
CYFIP2.1C	3.13E-12	0.710196	0.241	0.111	4.68E-08	Tcell	CYFIP2
DFNA5.6	3.14E-12	-0.54828	0.009	0.199	4.70E-08	Tcell	DFNA5
CADM2.11	3.14E-12	-0.57493	0.005	0.192	4.70E-08	Tcell	CADM2
TMX2.5	3.19E-12	-0.42005	0.132	0.403	4.77E-08	Tcell	TMX2
SERPINF1.	3.25E-12	-0.74772	0.027	0.228	4.85E-08	Tcell	SERPINF1
IFT43.10	3.25E-12	-0.43209	0.045	0.261	4.85E-08	Tcell	IFT43
PHF14.12	3.31E-12	-0.37938	0.155	0.428	4.95E-08	Tcell	PHF14
SASH3.14	3.35E-12	0.57375	0.195	0.076	5.00E-08	Tcell	SASH3
METTL7B.1	3.39E-12	-0.68995	0.018	0.216	5.06E-08	Tcell	METTL7B
MSRA.11	3.39E-12	-0.47102	0.045	0.26	5.07E-08	Tcell	MSRA
TMEM54.11	3.41E-12	-0.42892	0.009	0.199	5.09E-08	Tcell	TMEM54
RRBP1.9	3.41E-12	-0.38958	0.068	0.301	5.10E-08	Tcell	RRBP1
RAE1.9	3.46E-12	-0.48617	0.055	0.272	5.17E-08	Tcell	RAE1
HES1.10	3.46E-12	-0.61117	0.009	0.2	5.17E-08	Tcell	HES1
EIF4EBP1.	3.49E-12	-0.36236	0.155	0.432	5.21E-08	Tcell	EIF4EBP1
LARP1.7	3.53E-12	-0.40447	0.041	0.256	5.27E-08	Tcell	LARP1
CYHR1.9	3.53E-12	-0.31396	0.055	0.283	5.27E-08	Tcell	CYHR1
C11orf49.	3.53E-12	-0.43398	0.032	0.241	5.28E-08	Tcell	C11orf49
BAD.8	3.63E-12	-0.39471	0.145	0.422	5.43E-08	Tcell	BAD
PRKCB.13	3.64E-12	0.530332	0.132	0.04	5.44E-08	Tcell	PRKCB
USP22.13	3.68E-12	-0.33886	0.082	0.324	5.49E-08	Tcell	USP22
PSD3.12	3.68E-12	-0.47528	0.009	0.198	5.50E-08	Tcell	PSD3
PIGF.10	3.72E-12	-0.43924	0.064	0.292	5.56E-08	Tcell	PIGF
MEIS2.12	3.87E-12	-0.57982	0.014	0.207	5.79E-08	Tcell	MEIS2
FCGR3A.14	3.90E-12	-0.69962	0.114	0.346	5.83E-08	Tcell	FCGR3A
MCFD2.4	3.92E-12	-0.39352	0.059	0.29	5.86E-08	Tcell	MCFD2
AKAP12.13	3.92E-12	-0.55707	0.005	0.19	5.86E-08	Tcell	AKAP12
EDNRB.9	4.05E-12	-0.5432	0.005	0.191	6.06E-08	Tcell	EDNRB
CCDC124.7	4.08E-12	-0.41891	0.191	0.476	6.09E-08	Tcell	CCDC124

CCL2. 7	4. 08E-12	-0. 73134	0. 027	0. 23	6. 10E-08	Tcell	CCL2
SDSL. 11	4. 09E-12	-0. 52679	0. 005	0. 191	6. 11E-08	Tcell	SDSL
EGR1. 10	4. 15E-12	-0. 49529	0. 223	0. 501	6. 20E-08	Tcell	EGR1
CHCHD6. 9	4. 26E-12	-0. 44428	0. 032	0. 239	6. 37E-08	Tcell	CHCHD6
TCTN1. 10	4. 32E-12	-0. 43824	0. 018	0. 216	6. 45E-08	Tcell	TCTN1
ROB01. 11	4. 40E-12	-0. 45089	0	0. 181	6. 58E-08	Tcell	ROB01
C1QA. 14	4. 41E-12	-0. 57242	0. 277	0. 542	6. 60E-08	Tcell	C1QA
PLOD3. 10	4. 52E-12	-0. 44237	0. 023	0. 222	6. 76E-08	Tcell	PLOD3
QTRT1. 10	4. 54E-12	-0. 40681	0. 091	0. 335	6. 78E-08	Tcell	QTRT1
FAM92A1. 1	4. 69E-12	-0. 46573	0. 014	0. 205	7. 00E-08	Tcell	FAM92A1
GABARAP. 1	4. 83E-12	-0. 47584	0. 182	0. 466	7. 22E-08	Tcell	GABARAP
RASSF2. 5	5. 00E-12	-0. 42204	0. 045	0. 262	7. 47E-08	Tcell	RASSF2
POLR2I. 7	5. 02E-12	-0. 39969	0. 245	0. 558	7. 50E-08	Tcell	POLR2I
RP11-395G	5. 06E-12	-0. 4934	0	0. 181	7. 56E-08	Tcell	RP11-395G23. 3
FNBP1L. 13	5. 16E-12	-0. 47955	0. 005	0. 188	7. 72E-08	Tcell	FNBP1L
PNPLA8. 9	5. 20E-12	-0. 32244	0. 105	0. 352	7. 78E-08	Tcell	PNPLA8
FARP1. 7	5. 22E-12	-0. 44585	0. 005	0. 189	7. 80E-08	Tcell	FARP1
TSN. 9	5. 27E-12	-0. 32592	0. 123	0. 382	7. 88E-08	Tcell	TSN
AIMP2. 8	5. 33E-12	-0. 46298	0. 036	0. 244	7. 97E-08	Tcell	AIMP2
GBAS. 9	5. 38E-12	-0. 36397	0. 136	0. 405	8. 04E-08	Tcell	GBAS
PEPD. 5	5. 41E-12	-0. 43586	0. 159	0. 434	8. 08E-08	Tcell	PEPD
KDELR2. 7	5. 46E-12	-0. 36185	0. 259	0. 574	8. 16E-08	Tcell	KDELR2
PSMG3. 11	5. 46E-12	-0. 35555	0. 086	0. 332	8. 16E-08	Tcell	PSMG3
LARS. 10	5. 50E-12	-0. 36761	0. 1	0. 346	8. 21E-08	Tcell	LARS
SUMO2. 9	5. 79E-12	0. 239179	0. 795	0. 822	8. 65E-08	Tcell	SUMO2
EMC6. 8	5. 80E-12	-0. 34487	0. 155	0. 439	8. 67E-08	Tcell	EMC6
DYNC1H1. 1	5. 83E-12	-0. 30011	0. 095	0. 342	8. 71E-08	Tcell	DYNC1H1
MYEF2. 12	5. 83E-12	-0. 40659	0. 009	0. 197	8. 71E-08	Tcell	MYEF2
EIF4A2. 9	5. 87E-12	0. 395409	0. 727	0. 719	8. 77E-08	Tcell	EIF4A2
CCT6A. 8	5. 92E-12	-0. 35236	0. 268	0. 58	8. 85E-08	Tcell	CCT6A
FERMT2. 11	5. 99E-12	-0. 40197	0. 014	0. 206	8. 95E-08	Tcell	FERMT2
CANX. 4	6. 08E-12	-0. 36894	0. 264	0. 579	9. 08E-08	Tcell	CANX
KLHL7. 11	6. 09E-12	-0. 3706	0. 059	0. 283	9. 10E-08	Tcell	KLHL7
CBX1. 11	6. 34E-12	-0. 30376	0. 114	0. 372	9. 47E-08	Tcell	CBX1
MPHOSPH6. 6	6. 38E-12	-0. 42952	0. 073	0. 295	9. 53E-08	Tcell	MPHOSPH6
ENO1. 8	6. 41E-12	0. 198274	0. 791	0. 794	9. 58E-08	Tcell	ENO1
SPRED1. 9	6. 76E-12	-0. 435	0. 014	0. 205	1. 01E-07	Tcell	SPRED1
PERP. 3	6. 91E-12	0. 545966	0. 118	0. 034	1. 03E-07	Tcell	PERP
RBFOX2. 12	6. 94E-12	-0. 47905	0. 023	0. 22	1. 04E-07	Tcell	RBFOX2
CBX5. 12	7. 07E-12	-0. 40822	0. 109	0. 349	1. 06E-07	Tcell	CBX5
LILRB4. 14	7. 14E-12	-0. 7948	0. 055	0. 259	1. 07E-07	Tcell	LILRB4
SEPT2. 7	7. 19E-12	-0. 40547	0. 277	0. 587	1. 07E-07	Tcell	2-Sep
GNAQ. 6	7. 25E-12	-0. 38057	0. 064	0. 291	1. 08E-07	Tcell	GNAQ
C1orf54. 1	7. 41E-12	-0. 63897	0. 032	0. 229	1. 11E-07	Tcell	C1orf54
TMEM71. 5	7. 67E-12	0. 401954	0. 095	0. 024	1. 15E-07	Tcell	TMEM71
SRI. 11	7. 85E-12	-0. 37846	0. 414	0. 735	1. 17E-07	Tcell	SRI
CSNK1E. 12	8. 16E-12	-0. 37263	0. 077	0. 311	1. 22E-07	Tcell	CSNK1E
PCDH17. 12	8. 18E-12	-0. 46108	0. 009	0. 195	1. 22E-07	Tcell	PCDH17
BCKDK. 12	8. 28E-12	-0. 40359	0. 082	0. 318	1. 24E-07	Tcell	BCKDK
VPS35. 5	8. 60E-12	-0. 3444	0. 159	0. 436	1. 29E-07	Tcell	VPS35
FUBP3. 8	8. 65E-12	-0. 34158	0. 036	0. 244	1. 29E-07	Tcell	FUBP3

MAPK8IP1. 8.	8.85E-12	-0.44758	0.009	0.195	1.32E-07	Tcell	MAPK8IP1
OPTN. 11	8.93E-12	0.785566	0.264	0.133	1.33E-07	Tcell	OPTN
ATP6V1F. 9	8.97E-12	-0.38316	0.45	0.808	1.34E-07	Tcell	ATP6V1F
MPZL1. 6	9.14E-12	-0.38623	0.041	0.252	1.37E-07	Tcell	MPZL1
TMEM55A. 7	9.18E-12	-0.39267	0.032	0.237	1.37E-07	Tcell	TMEM55A
SLC9A3R1. 9.	25E-12	0.762653	0.282	0.148	1.38E-07	Tcell	SLC9A3R1
AREG. 14	9.72E-12	0.735988	0.173	0.063	1.45E-07	Tcell	AREG
STMN3. 12	1.02E-11	-0.41388	0.077	0.311	1.53E-07	Tcell	STMN3
AXL. 13	1.04E-11	-0.74124	0.005	0.184	1.55E-07	Tcell	AXL
THY1. 12	1.05E-11	-0.36449	0.045	0.26	1.56E-07	Tcell	THY1
OLR1. 14	1.05E-11	-0.70973	0.05	0.254	1.57E-07	Tcell	OLR1
CD276. 6	1.05E-11	-0.36262	0.027	0.226	1.58E-07	Tcell	CD276
AKIP1. 5	1.07E-11	-0.42168	0.068	0.291	1.60E-07	Tcell	AKIP1
MAGI1. 11	1.08E-11	-0.48649	0.014	0.201	1.62E-07	Tcell	MAGI1
DAAM1. 9	1.13E-11	-0.49619	0.041	0.245	1.68E-07	Tcell	DAAM1
FUCA2. 12	1.15E-11	-0.46226	0.041	0.247	1.72E-07	Tcell	FUCA2
TM7SF2. 12	1.16E-11	-0.4092	0.032	0.234	1.74E-07	Tcell	TM7SF2
CA2. 12	1.17E-11	-0.70005	0.032	0.229	1.76E-07	Tcell	CA2
TJP1. 10	1.20E-11	-0.41002	0.005	0.184	1.79E-07	Tcell	TJP1
TAGLN3. 12	1.21E-11	-0.61457	0.009	0.191	1.80E-07	Tcell	TAGLN3
DENND1C. 1	1.21E-11	0.462921	0.114	0.032	1.81E-07	Tcell	DENND1C
SDC3. 8	1.21E-11	-0.51405	0.014	0.199	1.81E-07	Tcell	SDC3
FIBP. 8	1.24E-11	-0.32097	0.205	0.488	1.85E-07	Tcell	FIBP
RP11-51J9	1.24E-11	0.763359	0.273	0.138	1.85E-07	Tcell	RP11-51J9. 5
ZNF677. 9	1.25E-11	-0.45096	0.014	0.201	1.86E-07	Tcell	ZNF677
PHB. 10	1.36E-11	-0.43845	0.259	0.56	2.04E-07	Tcell	PHB
SEPT8. 13	1.38E-11	-0.48516	0.014	0.199	2.06E-07	Tcell	8-Sep
PRRX1. 12	1.40E-11	-0.46392	0	0.174	2.10E-07	Tcell	PRRX1
SPP1. 11	1.43E-11	-0.41027	0.568	0.859	2.13E-07	Tcell	SPP1
HCLS1. 14	1.45E-11	0.397322	0.482	0.287	2.16E-07	Tcell	HCLS1
SCRN1. 11	1.47E-11	-0.39645	0.005	0.183	2.20E-07	Tcell	SCRN1
GPR34. 14	1.48E-11	-0.81004	0.068	0.271	2.21E-07	Tcell	GPR34
WBSCR22. 1	1.57E-11	-0.37062	0.205	0.499	2.35E-07	Tcell	WBSCR22
ACTR3. 7	1.58E-11	0.44718	0.582	0.559	2.36E-07	Tcell	ACTR3
GLUL. 10	1.58E-11	-0.43323	0.45	0.793	2.37E-07	Tcell	GLUL
SPRY2. 11	1.62E-11	-0.42163	0.027	0.222	2.42E-07	Tcell	SPRY2
CDC42EP4. 1.	62E-11	-0.50518	0.018	0.204	2.42E-07	Tcell	CDC42EP4
ARMCX6. 4	1.64E-11	-0.40707	0.041	0.246	2.45E-07	Tcell	ARMCX6
SIRT2. 10	1.68E-11	-0.38962	0.155	0.421	2.51E-07	Tcell	SIRT2
LYPD1. 11	1.70E-11	-0.48925	0.014	0.199	2.54E-07	Tcell	LYPD1
HES6. 12	1.74E-11	-0.53849	0.073	0.29	2.60E-07	Tcell	HES6
PRAF2. 11	1.80E-11	-0.3365	0.077	0.306	2.70E-07	Tcell	PRAF2
CDK16. 8	1.81E-11	-0.22403	0.036	0.239	2.71E-07	Tcell	CDK16
ZNHIT1. 4	1.89E-11	-0.39606	0.332	0.657	2.82E-07	Tcell	ZNHIT1
ZNF462. 12	1.93E-11	-0.47573	0.005	0.18	2.89E-07	Tcell	ZNF462
ARC. 10	2.04E-11	-0.59549	0.023	0.211	3.04E-07	Tcell	ARC
FKBP9. 10	2.04E-11	-0.41881	0.005	0.18	3.05E-07	Tcell	FKBP9
PLAUR. 14	2.04E-11	-0.62789	0.141	0.371	3.05E-07	Tcell	PLAUR
SMAD1. 9	2.13E-11	-0.41266	0.005	0.18	3.19E-07	Tcell	SMAD1
PPP1R14B. 2.	21E-11	-0.39477	0.109	0.349	3.31E-07	Tcell	PPP1R14B
PJA2. 12	2.23E-11	-0.36753	0.1	0.34	3.33E-07	Tcell	PJA2

AES.13	2.24E-11	0.556733	0.509	0.408	3.35E-07	Tcell	AES
DCX.14	2.32E-11	-0.59152	0.023	0.208	3.46E-07	Tcell	DCX
ASRGL1.12	2.32E-11	-0.44951	0.018	0.204	3.47E-07	Tcell	ASRGL1
PALLD.9	2.32E-11	-0.42929	0.018	0.201	3.47E-07	Tcell	PALLD
RNF180.13	2.33E-11	-0.42836	0	0.171	3.48E-07	Tcell	RNF180
ITPA.5	2.34E-11	-0.32044	0.15	0.409	3.50E-07	Tcell	ITPA
CARD16.12	2.38E-11	0.495268	0.386	0.226	3.56E-07	Tcell	CARD16
LDLRAD3.1	2.40E-11	-0.41939	0.005	0.179	3.59E-07	Tcell	LDLRAD3
CMSS1.10	2.50E-11	-0.17113	0.073	0.294	3.74E-07	Tcell	CMSS1
FAM200B.9	2.51E-11	-0.24824	0.114	0.371	3.75E-07	Tcell	FAM200B
CRYL1.5	2.56E-11	-0.23819	0.082	0.314	3.83E-07	Tcell	CRYL1
RAC1.7	2.57E-11	-0.36276	0.486	0.747	3.85E-07	Tcell	RAC1
YWHAZ.4	2.58E-11	0.512536	0.582	0.534	3.85E-07	Tcell	YWHAZ
ADAM8.12	2.58E-11	0.439128	0.132	0.041	3.86E-07	Tcell	ADAM8
EMC10.7	2.73E-11	-0.30224	0.177	0.455	4.08E-07	Tcell	EMC10
ING4.9	2.78E-11	-0.41876	0.059	0.271	4.15E-07	Tcell	ING4
DNAJB1.7	2.80E-11	0.473636	0.655	0.609	4.18E-07	Tcell	DNAJB1
RAB20.12	2.81E-11	-0.66127	0.045	0.24	4.20E-07	Tcell	RAB20
MIF.8	2.83E-11	0.340418	0.682	0.67	4.23E-07	Tcell	MIF
RASGRP2.8	2.88E-11	0.546387	0.145	0.05	4.30E-07	Tcell	RASGRP2
PEX10.9	2.92E-11	-0.37844	0.014	0.196	4.36E-07	Tcell	PEX10
CKAP4.12	2.93E-11	-0.33722	0.023	0.213	4.37E-07	Tcell	CKAP4
SMCHD1.11	2.98E-11	0.849243	0.314	0.185	4.45E-07	Tcell	SMCHD1
CHTOP.9	2.99E-11	-0.37048	0.123	0.371	4.47E-07	Tcell	CHTOP
IFT57.11	3.12E-11	-0.39852	0.045	0.251	4.66E-07	Tcell	IFT57
IP6K2.11	3.17E-11	-0.38634	0.168	0.44	4.74E-07	Tcell	IP6K2
PGM2L1.11	3.22E-11	-0.45006	0.05	0.259	4.81E-07	Tcell	PGM2L1
ANXA5.8	3.22E-11	-0.42202	0.414	0.732	4.82E-07	Tcell	ANXA5
C5orf15.3	3.25E-11	-0.37827	0.095	0.328	4.86E-07	Tcell	C5orf15
NR2F1.10	3.36E-11	-0.39067	0	0.169	5.03E-07	Tcell	NR2F1
SMIM7.6	3.38E-11	-0.36485	0.214	0.511	5.05E-07	Tcell	SMIM7
KIAA1715.3	3.42E-11	-0.25693	0.05	0.259	5.10E-07	Tcell	KIAA1715
PTPN12.6	3.42E-11	-0.38488	0.032	0.226	5.11E-07	Tcell	PTPN12
RASSF3.1C	3.43E-11	0.485809	0.127	0.04	5.12E-07	Tcell	RASSF3
POP7.11	3.44E-11	-0.3226	0.145	0.399	5.14E-07	Tcell	POP7
STMN1.13	3.46E-11	-0.40885	0.345	0.636	5.18E-07	Tcell	STMN1
ICAM2.13	3.48E-11	0.443526	0.114	0.033	5.20E-07	Tcell	ICAM2
MBOAT2.13	3.65E-11	-0.41603	0.009	0.185	5.45E-07	Tcell	MBOAT2
NAMPT.13	3.73E-11	-0.60583	0.195	0.442	5.58E-07	Tcell	NAMPT
CAPZA2.5	3.75E-11	-0.36917	0.323	0.66	5.60E-07	Tcell	CAPZA2
APRT.10	3.81E-11	0.445306	0.6	0.53	5.70E-07	Tcell	APRT
CD302.12	3.81E-11	-0.58887	0.023	0.208	5.70E-07	Tcell	CD302
MRC2.9	3.82E-11	-0.40406	0.005	0.177	5.71E-07	Tcell	MRC2
MCOLN1.4	3.83E-11	-0.38983	0.045	0.247	5.72E-07	Tcell	MCOLN1
HMGB3.13	3.91E-11	-0.50938	0.073	0.283	5.84E-07	Tcell	HMGB3
THRA.10	3.93E-11	-0.38975	0.041	0.243	5.88E-07	Tcell	THRA
HSD17B4.6	4.10E-11	-0.46466	0.045	0.245	6.12E-07	Tcell	HSD17B4
NDUFS4.4	4.10E-11	-0.38916	0.218	0.51	6.13E-07	Tcell	NDUFS4
EEA1.7	4.13E-11	-0.36018	0.045	0.249	6.17E-07	Tcell	EEA1
PPP1R2.6	4.14E-11	0.722291	0.468	0.366	6.19E-07	Tcell	PPP1R2
PROX1.12	4.24E-11	-0.44635	0	0.167	6.33E-07	Tcell	PROX1

RP11-489E	4. 24E-11	0. 496409	0. 082	0. 019	6. 34E-07	Tcell	RP11-489E7. 4
ARHGFEF2. 1	4. 28E-11	-0. 38055	0. 073	0. 293	6. 39E-07	Tcell	ARHGFEF2
BAZ2B. 9	4. 29E-11	-0. 32599	0. 091	0. 325	6. 41E-07	Tcell	BAZ2B
ADORA3. 14	4. 29E-11	-0. 70369	0. 064	0. 264	6. 42E-07	Tcell	ADORA3
RNASE6. 14	4. 30E-11	-0. 75126	0. 077	0. 279	6. 43E-07	Tcell	RNASE6
DLGAP4. 1C	4. 43E-11	-0. 35837	0. 073	0. 297	6. 62E-07	Tcell	DLGAP4
BICD1. 10	4. 48E-11	-0. 38244	0. 023	0. 208	6. 70E-07	Tcell	BICD1
SERPING1. 4	5. 55E-11	-0. 78722	0. 041	0. 238	6. 80E-07	Tcell	SERPING1
ILVBL. 7	4. 65E-11	-0. 29371	0. 05	0. 255	6. 96E-07	Tcell	ILVBL
PPP1CA. 1C	4. 67E-11	0. 425178	0. 6	0. 571	6. 98E-07	Tcell	PPP1CA
HSD11B1L. 4	7. 4E-11	-0. 34698	0. 023	0. 208	7. 08E-07	Tcell	HSD11B1L
MPDU1. 5	4. 82E-11	-0. 39497	0. 095	0. 321	7. 20E-07	Tcell	MPDU1
TRIO. 10	4. 83E-11	-0. 4115	0. 005	0. 175	7. 22E-07	Tcell	TRIO
BCAR1. 11	4. 84E-11	-0. 4061	0. 005	0. 175	7. 23E-07	Tcell	BCAR1
NPL. 13	4. 98E-11	-0. 67472	0. 023	0. 204	7. 44E-07	Tcell	NPL
LIMS1. 13	4. 99E-11	-0. 47872	0. 186	0. 444	7. 46E-07	Tcell	LIMS1
TNFRSF21. 5	5. 05E-11	-0. 43493	0	0. 166	7. 55E-07	Tcell	TNFRSF21
MBP. 8	5. 07E-11	0. 546816	0. 395	0. 235	7. 58E-07	Tcell	MBP
AK4. 11	5. 15E-11	-0. 45597	0. 009	0. 183	7. 69E-07	Tcell	AK4
APOPT1. 7	5. 18E-11	-0. 31106	0. 132	0. 386	7. 74E-07	Tcell	APOPT1
MEX3A. 12	5. 45E-11	-0. 45998	0. 009	0. 181	8. 14E-07	Tcell	MEX3A
DUSP5. 4	5. 53E-11	0. 61908	0. 177	0. 071	8. 27E-07	Tcell	DUSP5
ELAVL4. 12	5. 63E-11	-0. 66997	0. 009	0. 182	8. 42E-07	Tcell	ELAVL4
SMARCA4. 1	5. 67E-11	-0. 28656	0. 123	0. 365	8. 48E-07	Tcell	SMARCA4
EMP1. 9	5. 79E-11	-0. 55493	0. 009	0. 182	8. 65E-07	Tcell	EMP1
NCKAP1. 11	5. 79E-11	-0. 32071	0. 014	0. 192	8. 65E-07	Tcell	NCKAP1
VAMP3. 10	5. 79E-11	-0. 34475	0. 114	0. 353	8. 66E-07	Tcell	VAMP3
CLTA. 7	5. 85E-11	-0. 35291	0. 318	0. 634	8. 75E-07	Tcell	CLTA
CSF1R. 14	5. 86E-11	-0. 68702	0. 073	0. 272	8. 76E-07	Tcell	CSF1R
PTK2. 8	5. 94E-11	-0. 44833	0. 009	0. 181	8. 88E-07	Tcell	PTK2
HENMT1. 11	6. 05E-11	0. 313282	0. 109	0. 031	9. 04E-07	Tcell	HENMT1
GPRC5B. 11	6. 10E-11	-0. 40327	0. 032	0. 222	9. 11E-07	Tcell	GPRC5B
MTPN. 8	6. 15E-11	-0. 27732	0. 168	0. 437	9. 20E-07	Tcell	MTPN
CHPF. 11	6. 18E-11	-0. 34287	0. 055	0. 262	9. 23E-07	Tcell	CHPF
JAGN1. 7	6. 19E-11	-0. 32572	0. 091	0. 324	9. 25E-07	Tcell	JAGN1
CSNK1A1. 9	6. 26E-11	-0. 34364	0. 255	0. 564	9. 36E-07	Tcell	CSNK1A1
NFE2L1. 5	6. 40E-11	-0. 38568	0. 014	0. 191	9. 56E-07	Tcell	NFE2L1
ZNF593. 8	6. 49E-11	-0. 42726	0. 086	0. 306	9. 69E-07	Tcell	ZNF593
MSRB2. 9	6. 53E-11	-0. 34731	0. 055	0. 259	9. 75E-07	Tcell	MSRB2
TROVE2. 11	6. 57E-11	-0. 34303	0. 168	0. 438	9. 82E-07	Tcell	TROVE2
WDR41. 8	6. 63E-11	-0. 41989	0. 036	0. 229	9. 90E-07	Tcell	WDR41
PYGL. 12	6. 81E-11	-0. 5339	0. 018	0. 195	1. 02E-06	Tcell	PYGL
SPATS2L. 8	6. 92E-11	-0. 41482	0. 105	0. 336	1. 03E-06	Tcell	SPATS2L
TRIP6. 12	7. 04E-11	-0. 40348	0. 05	0. 253	1. 05E-06	Tcell	TRIP6
GNB1. 8	7. 23E-11	-0. 27293	0. 15	0. 42	1. 08E-06	Tcell	GNB1
COL9A3. 13	7. 37E-11	-0. 45307	0. 014	0. 189	1. 10E-06	Tcell	COL9A3
PHYHIPL. 1	7. 39E-11	-0. 55645	0. 014	0. 188	1. 10E-06	Tcell	PHYHIPL
AAMP. 6	7. 41E-11	-0. 3511	0. 168	0. 432	1. 11E-06	Tcell	AAMP
PAICS. 13	7. 43E-11	-0. 34989	0. 086	0. 312	1. 11E-06	Tcell	PAICS
HDHD2. 7	7. 75E-11	-0. 37943	0. 055	0. 261	1. 16E-06	Tcell	HDHD2
RSPRY1. 11	7. 76E-11	-0. 35272	0. 05	0. 252	1. 16E-06	Tcell	RSPRY1

NLN. 8	7.93E-11	-0.37079	0.014	0.189	1.18E-06	Tcell	NLN
TMEM45A. 7	8.00E-11	-0.56506	0.009	0.18	1.20E-06	Tcell	TMEM45A
UBE2M. 8	8.01E-11	-0.41253	0.041	0.234	1.20E-06	Tcell	UBE2M
CYTH2. 12	8.01E-11	-0.30998	0.109	0.346	1.20E-06	Tcell	CYTH2
GINM1. 5	8.16E-11	-0.31869	0.082	0.301	1.22E-06	Tcell	GINM1
PSMD2. 9	8.32E-11	-0.33902	0.191	0.466	1.24E-06	Tcell	PSMD2
SRPX. 11	8.44E-11	-0.50199	0.009	0.18	1.26E-06	Tcell	SRPX
TUBB6. 10	8.48E-11	-0.51697	0.014	0.187	1.27E-06	Tcell	TUBB6
EVI5. 7	8.49E-11	-0.39345	0.014	0.188	1.27E-06	Tcell	EVI5
CISD2. 6	8.59E-11	-0.33633	0.155	0.409	1.28E-06	Tcell	CISD2
METTL7A. 6	8.60E-11	-0.53895	0.036	0.224	1.29E-06	Tcell	METTL7A
NF1. 7	8.72E-11	-0.30941	0.036	0.227	1.30E-06	Tcell	NF1
STX7. 11	8.73E-11	-0.38837	0.064	0.272	1.31E-06	Tcell	STX7
RGMA. 13	8.94E-11	-0.4375	0.023	0.204	1.34E-06	Tcell	RGMA
CYBRD1. 6	8.96E-11	-0.44735	0.009	0.179	1.34E-06	Tcell	CYBRD1
HNMT. 13	9.24E-11	-0.63291	0.036	0.222	1.38E-06	Tcell	HNMT
C1orf21. 1	9.31E-11	-0.39415	0.023	0.203	1.39E-06	Tcell	C1orf21
EXTL2. 11	9.49E-11	-0.3879	0.005	0.171	1.42E-06	Tcell	EXTL2
IFT81. 11	9.51E-11	-0.37556	0	0.162	1.42E-06	Tcell	IFT81
B3GALNT1. 9	9.74E-11	-0.42386	0.014	0.187	1.46E-06	Tcell	B3GALNT1
NPAS3. 12	9.77E-11	-0.40239	0	0.162	1.46E-06	Tcell	NPAS3
CYBB. 14	9.80E-11	-0.70919	0.023	0.195	1.46E-06	Tcell	CYBB
PBXIP1. 7	9.94E-11	0.648269	0.259	0.132	1.49E-06	Tcell	PBXIP1
REEP2. 11	9.99E-11	-0.26155	0.023	0.205	1.49E-06	Tcell	REEP2
CYB5D2. 8	1.02E-10	-0.36353	0.041	0.237	1.52E-06	Tcell	CYB5D2
KLC1. 12	1.04E-10	-0.34175	0.123	0.364	1.55E-06	Tcell	KLC1
SLC43A2. 1	1.05E-10	-0.42555	0.05	0.249	1.56E-06	Tcell	SLC43A2
GTF2F2. 7	1.07E-10	-0.37327	0.086	0.303	1.60E-06	Tcell	GTF2F2
IFT52. 11	1.07E-10	-0.42788	0.059	0.26	1.60E-06	Tcell	IFT52
CBFB. 5	1.08E-10	0.798217	0.355	0.231	1.61E-06	Tcell	CBFB
IGFBP7. 11	1.08E-10	-0.59827	0.073	0.273	1.62E-06	Tcell	IGFBP7
COPS6. 8	1.10E-10	-0.37008	0.3	0.61	1.64E-06	Tcell	COPS6
MAP4K4. 1C	1.11E-10	-0.3377	0.05	0.252	1.66E-06	Tcell	MAP4K4
MARCH1. 11	1.12E-10	-0.53343	0.018	0.194	1.68E-06	Tcell	1-Mar
YIF1B. 6	1.16E-10	-0.32083	0.105	0.337	1.73E-06	Tcell	YIF1B
HMBS. 5	1.16E-10	-0.41983	0.023	0.2	1.73E-06	Tcell	HMBS
NUCKS1. 9	1.18E-10	-0.40737	0.318	0.642	1.76E-06	Tcell	NUCKS1
CEP170. 7	1.20E-10	-0.29944	0.059	0.265	1.80E-06	Tcell	CEP170
CHD7. 11	1.21E-10	-0.3215	0.077	0.293	1.81E-06	Tcell	CHD7
CBS. 12	1.21E-10	-0.38283	0	0.16	1.81E-06	Tcell	CBS
TMEM14C. 1	1.21E-10	-0.32707	0.291	0.597	1.81E-06	Tcell	TMEM14C
COA4. 7	1.24E-10	-0.33486	0.141	0.391	1.85E-06	Tcell	COA4
C21orf33. 1	1.24E-10	-0.33515	0.127	0.368	1.85E-06	Tcell	C21orf33
ZNF608. 9	1.24E-10	-0.36841	0	0.16	1.86E-06	Tcell	ZNF608
TCEAL1. 9	1.26E-10	-0.46133	0.059	0.259	1.88E-06	Tcell	TCEAL1
CSF2RA. 13	1.26E-10	-0.69992	0.027	0.206	1.88E-06	Tcell	CSF2RA
OXR1. 10	1.26E-10	-0.36816	0.055	0.255	1.88E-06	Tcell	OXR1
PPIC. 12	1.26E-10	-0.40387	0.014	0.186	1.88E-06	Tcell	PPIC
CCNDBP1. 1	1.29E-10	0.726013	0.336	0.202	1.93E-06	Tcell	CCNDBP1
ZNF302. 12	1.30E-10	-0.29218	0.091	0.319	1.95E-06	Tcell	ZNF302
DKK3. 11	1.33E-10	-0.31049	0.023	0.203	1.98E-06	Tcell	DKK3

UBE2D4. 5	1. 34E-10	-0. 40925	0. 018	0. 193	2. 01E-06	Tcell	UBE2D4
FNDC3A. 6	1. 34E-10	-0. 3526	0. 032	0. 218	2. 01E-06	Tcell	FNDC3A
FLOT1. 13	1. 35E-10	-0. 35015	0. 227	0. 508	2. 01E-06	Tcell	FLOT1
ARF4. 6	1. 38E-10	-0. 31057	0. 305	0. 628	2. 06E-06	Tcell	ARF4
OSBPL1A. 9	1. 38E-10	-0. 36675	0. 018	0. 194	2. 07E-06	Tcell	OSBPL1A
UBE2R2. 9	1. 39E-10	-0. 35198	0. 077	0. 29	2. 08E-06	Tcell	UBE2R2
UBA1. 5	1. 39E-10	-0. 33789	0. 114	0. 346	2. 08E-06	Tcell	UBA1
DAG1. 9	1. 42E-10	-0. 36416	0. 009	0. 176	2. 12E-06	Tcell	DAG1
EFHC1. 10	1. 44E-10	-0. 40615	0. 027	0. 209	2. 16E-06	Tcell	EFHC1
CNRIP1. 11	1. 44E-10	-0. 45893	0. 027	0. 208	2. 16E-06	Tcell	CNRIP1
GCA. 13	1. 46E-10	-0. 52216	0. 091	0. 303	2. 19E-06	Tcell	GCA
NDUFA8. 2	1. 49E-10	-0. 31268	0. 214	0. 496	2. 23E-06	Tcell	NDUFA8
SCD. 13	1. 52E-10	-0. 47683	0. 032	0. 216	2. 27E-06	Tcell	SCD
PDZD11. 8	1. 56E-10	-0. 31806	0. 123	0. 363	2. 34E-06	Tcell	PDZD11
AP1S2. 11	1. 58E-10	-0. 3338	0. 223	0. 505	2. 36E-06	Tcell	AP1S2
LSAMP. 10	1. 58E-10	-0. 51719	0. 009	0. 175	2. 37E-06	Tcell	LSAMP
RP11-14N7	1. 59E-10	-0. 40087	0. 027	0. 208	2. 38E-06	Tcell	RP11-14N7. 2
NCBP2. 11	1. 62E-10	-0. 33656	0. 177	0. 445	2. 41E-06	Tcell	NCBP2
SLAIN1. 12	1. 62E-10	-0. 46013	0. 027	0. 206	2. 42E-06	Tcell	SLAIN1
HIBADH. 4	1. 64E-10	-0. 38747	0. 041	0. 231	2. 45E-06	Tcell	HIBADH
KCTD12. 14	1. 66E-10	-0. 49676	0. 05	0. 24	2. 47E-06	Tcell	KCTD12
ATP5G2. 7	1. 68E-10	0. 148665	0. 795	0. 871	2. 51E-06	Tcell	ATP5G2
NT5DC2. 1C	1. 68E-10	-0. 36581	0. 005	0. 167	2. 51E-06	Tcell	NT5DC2
DCLK2. 13	1. 69E-10	-0. 39899	0. 023	0. 199	2. 52E-06	Tcell	DCLK2
ASCL1. 12	1. 70E-10	-0. 5384	0. 018	0. 189	2. 54E-06	Tcell	ASCL1
ALCAM. 10	1. 76E-10	-0. 36328	0. 023	0. 199	2. 62E-06	Tcell	ALCAM
PCBD1. 7	1. 79E-10	-0. 36311	0. 109	0. 335	2. 67E-06	Tcell	PCBD1
PPIA. 7	1. 79E-10	0. 14534	0. 809	0. 876	2. 68E-06	Tcell	PPIA
KNOP1. 11	1. 85E-10	-0. 34335	0. 064	0. 263	2. 76E-06	Tcell	KNOP1
RND2. 9	1. 85E-10	-0. 43597	0. 005	0. 166	2. 76E-06	Tcell	RND2
H1FO. 4	1. 87E-10	-0. 56189	0. 068	0. 267	2. 80E-06	Tcell	H1FO
TUBG1. 11	1. 89E-10	-0. 43876	0. 05	0. 237	2. 83E-06	Tcell	TUBG1
SH2D3A	1. 91E-10	0. 226842	0. 036	0. 005	2. 85E-06	Tcell	SH2D3A
SPAG16. 12	1. 92E-10	-0. 35106	0. 082	0. 3	2. 86E-06	Tcell	SPAG16
TRIM44. 11	1. 95E-10	-0. 35172	0. 077	0. 291	2. 92E-06	Tcell	TRIM44
TFPT. 10	2. 05E-10	-0. 33507	0. 091	0. 312	3. 06E-06	Tcell	TFPT
NBPF1. 12	2. 06E-10	-0. 33412	0. 045	0. 239	3. 07E-06	Tcell	NBPF1
CDC42BPA. 2	2. 06E-10	-0. 37583	0. 014	0. 182	3. 08E-06	Tcell	CDC42BPA
TUBB. 12	2. 07E-10	-0. 36437	0. 477	0. 776	3. 09E-06	Tcell	TUBB
KIF21A. 14	2. 07E-10	-0. 36656	0. 091	0. 306	3. 09E-06	Tcell	KIF21A
SMARCA1. 1	2. 09E-10	-0. 35439	0. 009	0. 174	3. 13E-06	Tcell	SMARCA1
DNTTIP1. 6	2. 10E-10	-0. 35521	0. 105	0. 334	3. 15E-06	Tcell	DNTTIP1
TSEN54. 4	2. 13E-10	0. 722502	0. 232	0. 113	3. 18E-06	Tcell	TSEN54
NAT14. 10	2. 22E-10	-0. 34511	0. 014	0. 183	3. 32E-06	Tcell	NAT14
RGS17. 10	2. 24E-10	-0. 41427	0. 005	0. 165	3. 34E-06	Tcell	RGS17
YTHDF2. 1C	2. 25E-10	-0. 36071	0. 182	0. 436	3. 36E-06	Tcell	YTHDF2
PAPSS1. 7	2. 28E-10	-0. 37833	0. 086	0. 298	3. 41E-06	Tcell	PAPSS1
CRIP1. 6	2. 30E-10	-0. 34723	0. 105	0. 331	3. 44E-06	Tcell	CRIP1
SEPP1. 10	2. 37E-10	-0. 72001	0. 123	0. 333	3. 54E-06	Tcell	SEPP1
TOB1. 3	2. 37E-10	0. 838573	0. 368	0. 252	3. 54E-06	Tcell	TOB1
BHLHE41. 1	2. 42E-10	-0. 50896	0. 032	0. 211	3. 61E-06	Tcell	BHLHE41

HEPACAM. 1	2.45E-10	-0.54093	0.014	0.181	3.65E-06	Tcell	HEPACAM
CHL1. 11	2.49E-10	-0.41896	0	0.156	3.71E-06	Tcell	CHL1
DENND5A. 5	2.54E-10	-0.37622	0.014	0.182	3.80E-06	Tcell	DENND5A
SNX27. 6	2.56E-10	-0.27565	0.05	0.248	3.83E-06	Tcell	SNX27
PSMD3. 8	2.60E-10	-0.27003	0.155	0.409	3.88E-06	Tcell	PSMD3
C17orf58. 2	2.61E-10	-0.31196	0.018	0.189	3.90E-06	Tcell	C17orf58
CCDC50. 6	2.62E-10	-0.31386	0.086	0.304	3.92E-06	Tcell	CCDC50
TIMM9. 2	2.65E-10	-0.31034	0.073	0.281	3.96E-06	Tcell	TIMM9
GCAT. 12	2.69E-10	-0.32946	0.005	0.164	4.02E-06	Tcell	GCAT
CREB3. 4	2.70E-10	-0.29046	0.073	0.281	4.03E-06	Tcell	CREB3
IER2. 12	2.72E-10	0.382047	0.677	0.614	4.07E-06	Tcell	IER2
ALOX5AP. 1	2.74E-10	0.446892	0.568	0.396	4.09E-06	Tcell	ALOX5AP
NDRG4. 11	2.80E-10	-0.40913	0.005	0.163	4.18E-06	Tcell	NDRG4
SOX8. 12	2.81E-10	-0.47157	0.014	0.18	4.21E-06	Tcell	SOX8
MLF1. 10	2.83E-10	-0.33912	0.05	0.245	4.23E-06	Tcell	MLF1
NCOR2. 7	2.87E-10	-0.36912	0.045	0.234	4.29E-06	Tcell	NCOR2
DYRK4. 5	2.87E-10	-0.37593	0.036	0.22	4.29E-06	Tcell	DYRK4
ZFHX4. 13	2.88E-10	-0.35928	0	0.155	4.30E-06	Tcell	ZFHX4
EIF4E3. 1	2.89E-10	0.359867	0.082	0.02	4.32E-06	Tcell	EIF4E3
SEPN1. 11	2.97E-10	-0.36258	0.032	0.213	4.44E-06	Tcell	SEPN1
IL1RAP. 9	2.98E-10	-0.42055	0.005	0.163	4.45E-06	Tcell	IL1RAP
YIF1A. 9	2.99E-10	-0.252	0.177	0.429	4.46E-06	Tcell	YIF1A
ARMCX3. 9	3.00E-10	-0.31172	0.173	0.434	4.49E-06	Tcell	ARMCX3
PYCR1. 10	3.00E-10	-0.35556	0.018	0.188	4.49E-06	Tcell	PYCR1
ANKRD44. 6	3.01E-10	0.591301	0.209	0.093	4.49E-06	Tcell	ANKRD44
NAALADL1. 3	3.10E-10	0.321977	0.073	0.017	4.63E-06	Tcell	NAALADL1
CTXN1. 12	3.10E-10	-0.35536	0.005	0.162	4.64E-06	Tcell	CTXN1
CPEB4. 7	3.11E-10	-0.32541	0.055	0.25	4.64E-06	Tcell	CPEB4
CCDC64. 1	3.12E-10	0.240534	0.041	0.006	4.66E-06	Tcell	CCDC64
ENC1. 13	3.15E-10	-0.40046	0.041	0.228	4.71E-06	Tcell	ENC1
EBNA1BP2. 3	3.17E-10	-0.35474	0.123	0.358	4.73E-06	Tcell	EBNA1BP2
GRIA3. 10	3.18E-10	-0.36807	0.009	0.171	4.76E-06	Tcell	GRIA3
SLC7A7. 14	3.19E-10	-0.6541	0.014	0.177	4.77E-06	Tcell	SLC7A7
CITED1. 13	3.20E-10	-0.49086	0	0.154	4.78E-06	Tcell	CITED1
EMC8. 9	3.21E-10	-0.29351	0.068	0.276	4.79E-06	Tcell	EMC8
DPM2. 5	3.24E-10	-0.32613	0.118	0.351	4.84E-06	Tcell	DPM2
RASSF8-AS	3.28E-10	-0.40109	0.005	0.163	4.91E-06	Tcell	RASSF8-AS1
SERPINH1. 3	3.31E-10	-0.36145	0.032	0.212	4.95E-06	Tcell	SERPINH1
MTFR1L. 8	3.41E-10	-0.26623	0.082	0.294	5.10E-06	Tcell	MTFR1L
CFDP1. 9	3.46E-10	-0.36317	0.168	0.42	5.16E-06	Tcell	CFDP1
PLXDC2. 14	3.46E-10	-0.63449	0.036	0.212	5.17E-06	Tcell	PLXDC2
NTMT1. 5	3.49E-10	-0.35088	0.105	0.329	5.21E-06	Tcell	NTMT1
ENHO. 13	3.55E-10	-0.36834	0	0.153	5.31E-06	Tcell	ENHO
OLIG1. 13	3.58E-10	-0.65533	0.018	0.183	5.35E-06	Tcell	OLIG1
TAPBP. 12	3.59E-10	0.643408	0.441	0.341	5.37E-06	Tcell	TAPBP
SSBP2. 11	3.69E-10	-0.35788	0.068	0.274	5.51E-06	Tcell	SSBP2
FAM174A. 7	3.74E-10	-0.31953	0.041	0.226	5.59E-06	Tcell	FAM174A
ACAA1. 6	3.80E-10	-0.25099	0.118	0.353	5.67E-06	Tcell	ACAA1
NT5DC1. 8	3.88E-10	0.452309	0.141	0.05	5.80E-06	Tcell	NT5DC1
MFSD1. 14	3.88E-10	-0.37514	0.123	0.348	5.80E-06	Tcell	MFSD1
SNX7. 5	3.91E-10	-0.40971	0.014	0.176	5.84E-06	Tcell	SNX7



TRAP1.11	4.01E-10	-0.29647	0.064	0.262	5.99E-06	Tcell	TRAP1
CLN8.10	4.02E-10	-0.41839	0.073	0.272	6.00E-06	Tcell	CLN8
ABL2.12	4.07E-10	-0.45731	0.073	0.272	6.08E-06	Tcell	ABL2
KIF9.11	4.07E-10	-0.38907	0.014	0.178	6.08E-06	Tcell	KIF9
SNRNP25.9	4.10E-10	-0.34202	0.123	0.354	6.12E-06	Tcell	SNRNP25
ZFHX3.8	4.10E-10	-0.4606	0.027	0.199	6.13E-06	Tcell	ZFHX3
TRIM36.13	4.14E-10	-0.39777	0.018	0.185	6.19E-06	Tcell	TRIM36
CAMSAP2.9	4.16E-10	-0.35154	0	0.152	6.22E-06	Tcell	CAMSAP2
C1orf43.3	4.27E-10	-0.32913	0.291	0.602	6.39E-06	Tcell	C1orf43
VSIG4.14	4.41E-10	-0.67686	0.159	0.369	6.59E-06	Tcell	VSIG4
ARPC3.12	4.48E-10	0.23349	0.727	0.806	6.70E-06	Tcell	ARPC3
C21orf62.4	4.52E-10	-0.45197	0.005	0.161	6.75E-06	Tcell	C21orf62
NQO2.7	4.52E-10	-0.40371	0.064	0.256	6.76E-06	Tcell	NQO2
ZFAND2A.1	4.59E-10	-0.44042	0.082	0.287	6.86E-06	Tcell	ZFAND2A
IFT20.3	4.65E-10	-0.34836	0.118	0.348	6.94E-06	Tcell	IFT20
KLF7.9	4.67E-10	-0.42275	0.032	0.209	6.97E-06	Tcell	KLF7
CYB5R1.7	4.74E-10	-0.40209	0.064	0.262	7.08E-06	Tcell	CYB5R1
CTNND1.4	4.78E-10	-0.33133	0.036	0.218	7.15E-06	Tcell	CTNND1
SLCO2B1.1	4.81E-10	-0.65101	0.045	0.224	7.19E-06	Tcell	SLCO2B1
CECR5.9	4.82E-10	-0.30381	0.059	0.255	7.20E-06	Tcell	CECR5
CSRNP1.14	4.90E-10	0.6411	0.318	0.188	7.33E-06	Tcell	CSRNP1
PGM3.7	4.98E-10	-0.33347	0.014	0.177	7.44E-06	Tcell	PGM3
RAC3.13	4.98E-10	-0.31348	0.018	0.186	7.45E-06	Tcell	RAC3
ABHD2.8	5.02E-10	-0.29602	0.045	0.233	7.50E-06	Tcell	ABHD2
NDUFS3.5	5.12E-10	-0.3229	0.218	0.495	7.65E-06	Tcell	NDUFS3
ZNF358.1C	5.18E-10	-0.34697	0.009	0.168	7.75E-06	Tcell	ZNF358
CD86.14	5.25E-10	-0.66836	0.041	0.217	7.85E-06	Tcell	CD86
CCDC28B.1	5.27E-10	-0.3499	0.041	0.222	7.87E-06	Tcell	CCDC28B
SLC35B2.9	5.28E-10	-0.30628	0.091	0.304	7.89E-06	Tcell	SLC35B2
PRDX2.12	5.32E-10	-0.41202	0.455	0.706	7.95E-06	Tcell	PRDX2
COPS7A.4	5.39E-10	-0.10755	0.073	0.28	8.05E-06	Tcell	COPS7A
SIAH1.10	5.46E-10	-0.31288	0.045	0.232	8.16E-06	Tcell	SIAH1
CNOT6L.4	5.48E-10	0.789168	0.218	0.106	8.19E-06	Tcell	CNOT6L
PHF23.10	5.52E-10	-0.2872	0.032	0.211	8.25E-06	Tcell	PHF23
NUBP2.9	5.63E-10	-0.31481	0.145	0.386	8.41E-06	Tcell	NUBP2
AGT.12	5.65E-10	-0.62674	0.045	0.223	8.44E-06	Tcell	AGT
PPME1.10	5.78E-10	-0.34804	0.018	0.184	8.64E-06	Tcell	PPME1
FAM49A.9	5.83E-10	-0.4852	0.014	0.174	8.72E-06	Tcell	FAM49A
TCEAL2.11	5.84E-10	-0.5515	0.018	0.183	8.73E-06	Tcell	TCEAL2
ZBTB20.12	5.88E-10	-0.29983	0.141	0.39	8.78E-06	Tcell	ZBTB20
ZC3H12A.1	5.92E-10	0.64851	0.177	0.074	8.85E-06	Tcell	ZC3H12A
RP11-347C	5.95E-10	0.250147	0.045	0.008	8.90E-06	Tcell	RP11-347C12.1
GUK1.6	5.96E-10	0.278172	0.7	0.703	8.91E-06	Tcell	GUK1
PEMT.10	6.03E-10	-0.36515	0.036	0.216	9.01E-06	Tcell	PEMT
ZNF580.9	6.07E-10	-0.16893	0.082	0.295	9.07E-06	Tcell	ZNF580
OLFML3.13	6.07E-10	-0.64592	0.05	0.23	9.08E-06	Tcell	OLFML3
UNC50.5	6.14E-10	-0.31279	0.127	0.359	9.17E-06	Tcell	UNC50
C11orf74.6	6.22E-10	-0.41853	0.014	0.174	9.29E-06	Tcell	C11orf74
LYRM2.7	6.37E-10	-0.3239	0.086	0.298	9.52E-06	Tcell	LYRM2
ALDH3A2.7	6.38E-10	-0.36106	0.05	0.235	9.53E-06	Tcell	ALDH3A2
SUGP2.10	6.45E-10	-0.34208	0.059	0.25	9.65E-06	Tcell	SUGP2

IFI30.14	6.56E-10	-0.57941	0.045	0.223	9.80E-06	Tcell	IFI30
IGSF21.11	6.59E-10	-0.56015	0.009	0.166	9.85E-06	Tcell	IGSF21
SDC2.9	6.62E-10	-0.38797	0.027	0.195	9.89E-06	Tcell	SDC2
IFT27.10	6.66E-10	-0.32585	0.064	0.26	9.96E-06	Tcell	IFT27
AIF1.14	6.69E-10	-0.61649	0.205	0.415	1.00E-05	Tcell	AIF1
COQ9.9	6.81E-10	-0.30899	0.055	0.246	1.02E-05	Tcell	COQ9
MTCH2.5	7.02E-10	-0.29369	0.177	0.433	1.05E-05	Tcell	MTCH2
LAMTOR1.7	7.15E-10	-0.37844	0.345	0.66	1.07E-05	Tcell	LAMTOR1
DPP6.10	7.20E-10	-0.40919	0.009	0.164	1.08E-05	Tcell	DPP6
TRMT1.11	7.21E-10	-0.467	0.068	0.261	1.08E-05	Tcell	TRMT1
SERINC1.5	7.31E-10	-0.26136	0.164	0.423	1.09E-05	Tcell	SERINC1
POMGNT1.1	7.40E-10	-0.29914	0.064	0.262	1.11E-05	Tcell	POMGNT1
HSPBP1.1C	7.45E-10	-0.37161	0.086	0.291	1.11E-05	Tcell	HSPBP1
LRWD1.10	7.54E-10	-0.34598	0.014	0.173	1.13E-05	Tcell	LRWD1
ZNF326.1C	7.63E-10	-0.3316	0.059	0.251	1.14E-05	Tcell	ZNF326
TNPO2.10	7.63E-10	-0.30496	0.018	0.182	1.14E-05	Tcell	TNPO2
MGST3.7	7.67E-10	-0.32644	0.373	0.699	1.15E-05	Tcell	MGST3
RHOT1.8	7.82E-10	-0.28575	0.059	0.252	1.17E-05	Tcell	RHOT1
ZDHHC4.9	7.84E-10	-0.32154	0.127	0.359	1.17E-05	Tcell	ZDHHC4
RNF146.6	7.86E-10	-0.366	0.064	0.259	1.18E-05	Tcell	RNF146
TRIAP1.1C	7.95E-10	-0.33218	0.1	0.317	1.19E-05	Tcell	TRIAP1
FADS1.10	8.00E-10	-0.31504	0.041	0.221	1.20E-05	Tcell	FADS1
AP2B1.11	8.04E-10	-0.30262	0.114	0.345	1.20E-05	Tcell	AP2B1
MYO1F.14	8.04E-10	0.596276	0.318	0.181	1.20E-05	Tcell	MYO1F
GAS6.12	8.10E-10	-0.48891	0.036	0.208	1.21E-05	Tcell	GAS6
PCGF2.12	8.12E-10	-0.32286	0.009	0.165	1.21E-05	Tcell	PCGF2
MAPRE3.9	8.24E-10	-0.35201	0.018	0.182	1.23E-05	Tcell	MAPRE3
SLC39A6.1	8.62E-10	-0.25862	0.109	0.332	1.29E-05	Tcell	SLC39A6
SNTG1.11	8.68E-10	-0.48882	0.005	0.156	1.30E-05	Tcell	SNTG1
DAP.9	8.72E-10	-0.30173	0.077	0.28	1.30E-05	Tcell	DAP
MT1E.12	8.74E-10	-0.44691	0.168	0.384	1.31E-05	Tcell	MT1E
WDR34.10	8.77E-10	-0.36772	0.036	0.21	1.31E-05	Tcell	WDR34
TMEM132A.8	8.80E-10	-0.3267	0	0.147	1.31E-05	Tcell	TMEM132A
YKT6.8	8.81E-10	-0.30637	0.055	0.242	1.32E-05	Tcell	YKT6
MTSS1.9	8.95E-10	-0.43048	0.041	0.216	1.34E-05	Tcell	MTSS1
FAM84A.11	9.15E-10	-0.37136	0	0.147	1.37E-05	Tcell	FAM84A
GAS1.14	9.15E-10	-0.40203	0	0.147	1.37E-05	Tcell	GAS1
GAS2L1.1C	9.19E-10	-0.34469	0.005	0.155	1.37E-05	Tcell	GAS2L1
UBAC1.7	9.54E-10	-0.3204	0.041	0.221	1.43E-05	Tcell	UBAC1
COPS5.7	9.65E-10	-0.2623	0.164	0.415	1.44E-05	Tcell	COPS5
PMEPA1.12	9.74E-10	-0.40915	0.032	0.204	1.46E-05	Tcell	PMEPA1
PXDC1.7	1.00E-09	-0.3579	0.005	0.155	1.50E-05	Tcell	PXDC1
ENDOV.8	1.03E-09	-0.39126	0.045	0.224	1.54E-05	Tcell	ENDOV
CYC1.12	1.06E-09	-0.27211	0.25	0.545	1.58E-05	Tcell	CYC1
NINJ1.14	1.07E-09	-0.35577	0.205	0.456	1.60E-05	Tcell	NINJ1
LRRC8A.1C	1.07E-09	-0.39375	0.014	0.171	1.60E-05	Tcell	LRRC8A
APOO.11	1.07E-09	-0.35344	0.05	0.232	1.60E-05	Tcell	APOO
TTC3.12	1.08E-09	-0.29752	0.245	0.521	1.62E-05	Tcell	TTC3
ARL1.6	1.10E-09	-0.32772	0.1	0.318	1.64E-05	Tcell	ARL1
DERA.8	1.10E-09	-0.33716	0.064	0.255	1.65E-05	Tcell	DERA
SMUG1.3	1.11E-09	-0.4124	0.041	0.216	1.65E-05	Tcell	SMUG1

Clorf123.	1. 11E-09	-0. 34989	0. 127	0. 345	1. 66E-05	Tcell	Clorf123
PRMT1.	7. 1. 11E-09	-0. 27955	0. 273	0. 559	1. 66E-05	Tcell	PRMT1
SRA1.	8. 1. 15E-09	-0. 31765	0. 159	0. 403	1. 71E-05	Tcell	SRA1
MPV17.	3. 1. 15E-09	-0. 21237	0. 123	0. 35	1. 71E-05	Tcell	MPV17
CLIP2.	11. 1. 16E-09	-0. 3814	0. 018	0. 179	1. 73E-05	Tcell	CLIP2
SPATC1L.	1. 1. 17E-09	-0. 21907	0. 027	0. 198	1. 74E-05	Tcell	SPATC1L
IFRD1.	9. 1. 17E-09	-0. 2776	0. 214	0. 492	1. 74E-05	Tcell	IFRD1
JAG1.	11. 1. 17E-09	-0. 35898	0. 009	0. 162	1. 76E-05	Tcell	JAG1
NDUFA5.	9. 1. 18E-09	-0. 30069	0. 286	0. 582	1. 76E-05	Tcell	NDUFA5
YAE1D1.	1. 1. 19E-09	-0. 38547	0. 009	0. 163	1. 78E-05	Tcell	YAE1D1
DUSP3.	7. 1. 19E-09	-0. 36924	0. 018	0. 178	1. 78E-05	Tcell	DUSP3
ST5.	10. 1. 22E-09	-0. 38099	0. 005	0. 154	1. 83E-05	Tcell	ST5
DCLK1.	9. 1. 24E-09	-0. 36813	0. 005	0. 154	1. 86E-05	Tcell	DCLK1
SYT17.	8. 1. 28E-09	-0. 33237	0. 009	0. 162	1. 91E-05	Tcell	SYT17
WDR45B.	7. 1. 31E-09	-0. 24872	0. 164	0. 408	1. 96E-05	Tcell	WDR45B
HBEGF.	14. 1. 34E-09	-0. 55575	0. 045	0. 219	2. 01E-05	Tcell	HBEGF
FAM65B.	1. 1. 35E-09	0. 426511	0. 109	0. 035	2. 02E-05	Tcell	FAM65B
UBE2D3.	11. 1. 38E-09	0. 26645	0. 682	0. 728	2. 07E-05	Tcell	UBE2D3
BCL7A.	11. 1. 43E-09	-0. 39127	0. 005	0. 152	2. 14E-05	Tcell	BCL7A
TWF1.	7. 1. 45E-09	-0. 25485	0. 073	0. 267	2. 16E-05	Tcell	TWF1
FDX1L.	6. 1. 49E-09	-0. 31909	0. 068	0. 263	2. 23E-05	Tcell	FDX1L
CHN1.	13. 1. 51E-09	-0. 28422	0. 041	0. 219	2. 26E-05	Tcell	CHN1
SIGLEC10.	1. 1. 52E-09	-0. 6307	0. 014	0. 165	2. 27E-05	Tcell	SIGLEC10
NR2F6.	10. 1. 54E-09	-0. 31414	0	0. 144	2. 30E-05	Tcell	NR2F6
FCGR1B.	13. 1. 55E-09	-0. 71264	0. 014	0. 166	2. 32E-05	Tcell	FCGR1B
GAL3ST4.	1. 1. 56E-09	-0. 56117	0. 018	0. 174	2. 34E-05	Tcell	GAL3ST4
RB1.	13. 1. 57E-09	-0. 41951	0. 105	0. 309	2. 34E-05	Tcell	RB1
LMO2.	7. 1. 57E-09	-0. 3925	0. 014	0. 167	2. 35E-05	Tcell	LMO2
CLN5.	6. 1. 58E-09	-0. 32165	0. 045	0. 224	2. 36E-05	Tcell	CLN5
RHEB.	8. 1. 59E-09	-0. 3273	0. 341	0. 643	2. 37E-05	Tcell	RHEB
TSPAN6.	1. 1. 61E-09	-0. 35131	0. 005	0. 152	2. 41E-05	Tcell	TSPAN6
ZFAND3.	6. 1. 65E-09	-0. 29551	0. 077	0. 276	2. 47E-05	Tcell	ZFAND3
UBXN6.	7. 1. 66E-09	-0. 25664	0. 091	0. 303	2. 47E-05	Tcell	UBXN6
RABEP1.	8. 1. 66E-09	-0. 26565	0. 064	0. 256	2. 48E-05	Tcell	RABEP1
ZFR.	10. 1. 69E-09	-0. 19451	0. 095	0. 309	2. 52E-05	Tcell	ZFR
JAM3.	10. 1. 69E-09	-0. 36105	0. 005	0. 152	2. 52E-05	Tcell	JAM3
COQ7.	9. 1. 72E-09	-0. 34623	0. 027	0. 19	2. 57E-05	Tcell	COQ7
ATP6AP2.	9. 1. 72E-09	-0. 31956	0. 345	0. 662	2. 57E-05	Tcell	ATP6AP2
DEF8.	10. 1. 73E-09	-0. 32324	0. 077	0. 274	2. 59E-05	Tcell	DEF8
FAM32A.	9. 1. 73E-09	-0. 30169	0. 195	0. 457	2. 59E-05	Tcell	FAM32A
TGFBI.	14. 1. 74E-09	-0. 63001	0. 041	0. 208	2. 60E-05	Tcell	TGFBI
PNMA1.	13. 1. 78E-09	-0. 21354	0. 082	0. 287	2. 66E-05	Tcell	PNMA1
NELFE.	4. 1. 79E-09	-0. 2999	0. 145	0. 381	2. 68E-05	Tcell	NELFE
DYNC2LI1.	1. 1. 82E-09	-0. 40958	0. 014	0. 167	2. 72E-05	Tcell	DYNC2LI1
TPGS1.	7. 1. 82E-09	-0. 23673	0. 1	0. 314	2. 72E-05	Tcell	TPGS1
CYP27A1.	6. 1. 82E-09	-0. 39583	0. 014	0. 167	2. 72E-05	Tcell	CYP27A1
HSPB1.	5. 1. 84E-09	-0. 32406	0. 373	0. 66	2. 75E-05	Tcell	HSPB1
AP1G2.	11. 1. 85E-09	0. 465015	0. 136	0. 05	2. 76E-05	Tcell	AP1G2
JAK3.	7. 1. 85E-09	0. 411674	0. 091	0. 026	2. 76E-05	Tcell	JAK3
SFXN5.	10. 1. 86E-09	-0. 38848	0. 027	0. 191	2. 77E-05	Tcell	SFXN5
GNG2.	9. 1. 91E-09	0. 669251	0. 3	0. 177	2. 85E-05	Tcell	GNG2

NRSN2.11	1.91E-09	-0.30884	0.014	0.167	2.85E-05	Tcell	NRSN2
ACBD6.9	1.91E-09	-0.31115	0.082	0.281	2.85E-05	Tcell	ACBD6
MYLIP.11	1.93E-09	0.60569	0.245	0.127	2.88E-05	Tcell	MYLIP
BSG.10	1.93E-09	-0.34768	0.459	0.747	2.89E-05	Tcell	BSG
CTSH.14	1.96E-09	-0.45377	0.1	0.299	2.93E-05	Tcell	CTSH
C7orf55.1	1.98E-09	-0.1431	0.177	0.428	2.95E-05	Tcell	C7orf55
TRAPPC4.7	2.03E-09	-0.34891	0.195	0.449	3.03E-05	Tcell	TRAPPC4
CUX1.7	2.04E-09	-0.33387	0.059	0.244	3.05E-05	Tcell	CUX1
ARL6IP1.8	2.05E-09	-0.3213	0.427	0.748	3.07E-05	Tcell	ARL6IP1
HNRNPK.1C	2.07E-09	0.207866	0.745	0.79	3.09E-05	Tcell	HNRNPK
SCNM1.6	2.08E-09	-0.27373	0.118	0.343	3.11E-05	Tcell	SCNM1
OSBPL6.8	2.09E-09	-0.3068	0.009	0.159	3.12E-05	Tcell	OSBPL6
DDX49.9	2.09E-09	-0.19193	0.077	0.278	3.12E-05	Tcell	DDX49
C1orf27.4	2.10E-09	-0.3533	0.023	0.182	3.14E-05	Tcell	C1orf27
SGTA.9	2.17E-09	-0.24088	0.105	0.32	3.24E-05	Tcell	SGTA
SRP14.7	2.19E-09	0.13811	0.795	0.868	3.28E-05	Tcell	SRP14
GGCT.10	2.22E-09	-0.27843	0.155	0.391	3.31E-05	Tcell	GGCT
RAD51C.1C	2.22E-09	-0.35033	0.077	0.27	3.31E-05	Tcell	RAD51C
NLRP1.12	2.23E-09	-0.26667	0.118	0.343	3.33E-05	Tcell	NLRP1
TMEM147.3	2.25E-09	-0.29966	0.305	0.601	3.37E-05	Tcell	TMEM147
CRNDE.9	2.26E-09	-0.35227	0.023	0.182	3.38E-05	Tcell	CRNDE
FKBP3.7	2.28E-09	-0.26756	0.214	0.482	3.41E-05	Tcell	FKBP3
ADAP2.14	2.29E-09	-0.58317	0.027	0.187	3.43E-05	Tcell	ADAP2
RFC2.7	2.30E-09	-0.37148	0.064	0.245	3.43E-05	Tcell	RFC2
CLDN12.14	2.30E-09	-0.37751	0	0.141	3.44E-05	Tcell	CLDN12
CHKA.5	2.31E-09	-0.30425	0.027	0.19	3.45E-05	Tcell	CHKA
NEU1.8	2.32E-09	-0.28231	0.091	0.296	3.47E-05	Tcell	NEU1
TIMM44.8	2.32E-09	-0.32879	0.073	0.266	3.47E-05	Tcell	TIMM44
ATP2B1.8	2.33E-09	-0.32822	0.132	0.358	3.48E-05	Tcell	ATP2B1
SOGA1.12	2.35E-09	-0.34787	0.009	0.158	3.52E-05	Tcell	SOGA1
C12orf75.2	2.37E-09	0.681997	0.309	0.191	3.54E-05	Tcell	C12orf75
BCAP29.7	2.39E-09	-0.31599	0.109	0.321	3.57E-05	Tcell	BCAP29
ZEB2.8	2.40E-09	-0.32802	0.1	0.307	3.59E-05	Tcell	ZEB2
OLIG2.13	2.43E-09	-0.4696	0.023	0.181	3.63E-05	Tcell	OLIG2
C12orf76.2	2.44E-09	-0.28535	0.073	0.27	3.64E-05	Tcell	C12orf76
NLGN1.12	2.46E-09	-0.32877	0	0.14	3.67E-05	Tcell	NLGN1
RP11-792A	2.46E-09	-0.37032	0.041	0.213	3.67E-05	Tcell	RP11-792A8.4
ZNF771.9	2.57E-09	-0.30057	0.005	0.149	3.84E-05	Tcell	ZNF771
GPR137.8	2.57E-09	-0.27893	0.041	0.212	3.85E-05	Tcell	GPR137
TXNDC12.9	2.59E-09	-0.2331	0.191	0.437	3.87E-05	Tcell	TXNDC12
C1S.11	2.59E-09	-0.66299	0.014	0.165	3.87E-05	Tcell	C1S
ACOT8.5	2.59E-09	-0.3592	0.041	0.209	3.88E-05	Tcell	ACOT8
PLOD1.9	2.59E-09	-0.39997	0.032	0.194	3.88E-05	Tcell	PLOD1
RPN1.8	2.61E-09	-0.34833	0.177	0.414	3.90E-05	Tcell	RPN1
POU3F3.13	2.62E-09	-0.34723	0.009	0.157	3.91E-05	Tcell	POU3F3
SALL1.10	2.62E-09	-0.33569	0	0.14	3.91E-05	Tcell	SALL1
RP9.11	2.64E-09	-0.30694	0.023	0.182	3.95E-05	Tcell	RP9
ZNF397.8	2.64E-09	-0.34325	0.014	0.166	3.95E-05	Tcell	ZNF397
C5AR1.13	2.65E-09	-0.59418	0.064	0.241	3.96E-05	Tcell	C5AR1
BBOX1.13	2.65E-09	-0.47654	0	0.14	3.96E-05	Tcell	BBOX1
STEAP3.1C	2.69E-09	-0.4469	0.014	0.164	4.02E-05	Tcell	STEAP3

RHOQ. 9	2.70E-09	-0.34967	0.014	0.164	4.04E-05	Tcell	RHOQ
LRRFIP1. 1	2.71E-09	0.562527	0.455	0.352	4.04E-05	Tcell	LRRFIP1
MTFP1. 6	2.71E-09	0.594309	0.159	0.065	4.04E-05	Tcell	MTFP1
SEC61G. 12	2.72E-09	-0.58256	0.627	0.802	4.07E-05	Tcell	SEC61G
DPYSL4. 14	2.73E-09	-0.33354	0.009	0.157	4.07E-05	Tcell	DPYSL4
AZI2. 6	2.74E-09	-0.29311	0.1	0.305	4.09E-05	Tcell	AZI2
CDC34. 12	2.74E-09	-0.28491	0.055	0.238	4.09E-05	Tcell	CDC34
DPYSL5. 12	2.75E-09	-0.32141	0.014	0.166	4.11E-05	Tcell	DPYSL5
UBE2F. 4	2.75E-09	-0.31558	0.118	0.334	4.11E-05	Tcell	UBE2F
CDC42. 8	2.77E-09	0.334131	0.618	0.621	4.13E-05	Tcell	CDC42
LSM4. 9	2.77E-09	-0.30001	0.273	0.566	4.15E-05	Tcell	LSM4
OBSL1. 11	2.79E-09	-0.33921	0.005	0.149	4.17E-05	Tcell	OBSL1
COX4I1. 8	2.79E-09	0.165881	0.85	0.912	4.17E-05	Tcell	COX4I1
MPLKIP. 7	2.81E-09	-0.25741	0.186	0.449	4.20E-05	Tcell	MPLKIP
RAB3IP. 10	2.83E-09	-0.40339	0.068	0.25	4.23E-05	Tcell	RAB3IP
DHX29. 11	2.85E-09	-0.2461	0.105	0.314	4.26E-05	Tcell	DHX29
ITGA7. 12	2.87E-09	-0.31123	0	0.139	4.28E-05	Tcell	ITGA7
ILF2. 10	2.89E-09	-0.24202	0.282	0.58	4.32E-05	Tcell	ILF2
AASDHPPT. 2	2.92E-09	-0.26329	0.091	0.292	4.37E-05	Tcell	AASDHPPT
LINC00998	2.95E-09	-0.2149	0.141	0.376	4.41E-05	Tcell	LINC00998
CLU. 12	2.98E-09	-0.50184	0.564	0.786	4.45E-05	Tcell	CLU
PHGDH. 12	3.04E-09	-0.44613	0.036	0.203	4.54E-05	Tcell	PHGDH
CDK5. 9	3.07E-09	-0.29373	0.059	0.241	4.59E-05	Tcell	CDK5
ADAM17. 7	3.09E-09	-0.27673	0.068	0.259	4.61E-05	Tcell	ADAM17
SRR. 11	3.09E-09	-0.30745	0.009	0.157	4.62E-05	Tcell	SRR
GOLGA7. 4	3.15E-09	-0.14725	0.2	0.469	4.70E-05	Tcell	GOLGA7
CA12. 13	3.18E-09	-0.4052	0	0.139	4.75E-05	Tcell	CA12
B4GALT7. 5	3.21E-09	-0.21791	0.041	0.213	4.80E-05	Tcell	B4GALT7
SLC8A1. 11	3.22E-09	-0.41935	0.005	0.147	4.81E-05	Tcell	SLC8A1
PXMP2. 12	3.27E-09	-0.30762	0.05	0.226	4.89E-05	Tcell	PXMP2
PLOD2. 10	3.35E-09	-0.31594	0.014	0.165	5.01E-05	Tcell	PLOD2
FLI1. 14	3.37E-09	0.425313	0.136	0.05	5.03E-05	Tcell	FLI1
SMS. 7	3.38E-09	-0.35436	0.295	0.578	5.05E-05	Tcell	SMS
ACSL5. 13	3.42E-09	0.360492	0.105	0.033	5.12E-05	Tcell	ACSL5
SUPT3H. 1	3.44E-09	0.557361	0.1	0.031	5.13E-05	Tcell	SUPT3H
WSB2. 12	3.49E-09	-0.26494	0.05	0.227	5.21E-05	Tcell	WSB2
FOXG1. 12	3.50E-09	-0.27404	0.009	0.156	5.23E-05	Tcell	FOXG1
ZSWIM7. 2	3.53E-09	-0.12931	0.123	0.347	5.28E-05	Tcell	ZSWIM7
PPP1R16A. 3	3.54E-09	-0.29091	0.018	0.172	5.29E-05	Tcell	PPP1R16A
GNS. 11	3.54E-09	-0.34422	0.036	0.202	5.29E-05	Tcell	GNS
LINC00662	3.59E-09	-0.40026	0.027	0.186	5.36E-05	Tcell	LINC00662
VWA1. 12	3.60E-09	-0.34129	0.005	0.147	5.38E-05	Tcell	VWA1
IL2RA. 12	3.61E-09	0.446796	0.1	0.031	5.39E-05	Tcell	IL2RA
SEC61A1. 6	3.66E-09	-0.25449	0.136	0.37	5.47E-05	Tcell	SEC61A1
MSI1. 12	3.71E-09	-0.34445	0	0.138	5.54E-05	Tcell	MSI1
DLL3. 12	3.74E-09	-0.56009	0.005	0.146	5.59E-05	Tcell	DLL3
MZT2A. 11	3.76E-09	0.625303	0.473	0.413	5.62E-05	Tcell	MZT2A
PRPSAP1. 1	3.79E-09	-0.29315	0.105	0.31	5.66E-05	Tcell	PRPSAP1
BET1. 8	3.84E-09	-0.36811	0.05	0.224	5.73E-05	Tcell	BET1
SLC39A7. 6	3.87E-09	-0.24562	0.1	0.309	5.79E-05	Tcell	SLC39A7
NKIRAS2. 8	3.95E-09	-0.15531	0.077	0.267	5.90E-05	Tcell	NKIRAS2

STOML2.7	3.96E-09	-0.33719	0.182	0.426	5.91E-05	Tcell	STOML2
SGK1.14	3.97E-09	-0.44417	0.209	0.441	5.94E-05	Tcell	SGK1
LIMCH1.9	4.01E-09	-0.34862	0.009	0.155	5.99E-05	Tcell	LIMCH1
TMED10.7	4.03E-09	-0.38852	0.336	0.618	6.02E-05	Tcell	TMED10
AKT1S1.7	4.08E-09	-0.2118	0.059	0.243	6.09E-05	Tcell	AKT1S1
PDCD5.11	4.09E-09	-0.35321	0.268	0.544	6.12E-05	Tcell	PDCD5
WWTR1.14	4.11E-09	-0.37063	0.014	0.163	6.15E-05	Tcell	WWTR1
ANKIB1.12	4.12E-09	-0.28263	0.041	0.211	6.15E-05	Tcell	ANKIB1
NTPCR.5	4.17E-09	-0.33154	0.086	0.277	6.23E-05	Tcell	NTPCR
SMARCD1.1	4.17E-09	-0.30571	0.045	0.218	6.23E-05	Tcell	SMARCD1
TSG101.4	4.20E-09	-0.28081	0.182	0.422	6.28E-05	Tcell	TSG101
NNT-AS1.1	4.24E-09	-0.32007	0.05	0.224	6.34E-05	Tcell	NNT-AS1
SESTD1.9	4.25E-09	-0.35337	0.014	0.162	6.35E-05	Tcell	SESTD1
TRIM24.13	4.26E-09	-0.30107	0.032	0.195	6.36E-05	Tcell	TRIM24
ODC1.13	4.27E-09	-0.30436	0.168	0.398	6.39E-05	Tcell	ODC1
ROCK2.6	4.32E-09	-0.30512	0.009	0.154	6.45E-05	Tcell	ROCK2
DCBLD2.12	4.32E-09	-0.30917	0.005	0.146	6.45E-05	Tcell	DCBLD2
ARFIP2.7	4.36E-09	-0.21399	0.064	0.247	6.52E-05	Tcell	ARFIP2
SUN1.10	4.41E-09	-0.27839	0.041	0.211	6.60E-05	Tcell	SUN1
MFS12.11	4.42E-09	-0.30487	0.032	0.194	6.61E-05	Tcell	MFS12
UFL1.2	4.43E-09	-0.32178	0.045	0.214	6.62E-05	Tcell	UFL1
PWP1.7	4.46E-09	-0.28767	0.1	0.307	6.66E-05	Tcell	PWP1
NFKBIZ.12	4.49E-09	0.563927	0.295	0.173	6.70E-05	Tcell	NFKBIZ
CHMP3.3	4.51E-09	-0.24965	0.15	0.383	6.74E-05	Tcell	CHMP3
NNMT.11	4.52E-09	-0.71013	0.014	0.161	6.75E-05	Tcell	NNMT
GPR137B.1	4.54E-09	-0.30006	0.055	0.233	6.79E-05	Tcell	GPR137B
TNFSF10.1	4.55E-09	0.415694	0.173	0.072	6.79E-05	Tcell	TNFSF10
MRAS.9	4.55E-09	-0.27369	0.018	0.171	6.79E-05	Tcell	MRAS
ENOPH1.12	4.56E-09	-0.21165	0.159	0.393	6.81E-05	Tcell	ENOPH1
ZC2HC1A.1	4.56E-09	-0.37838	0.045	0.214	6.82E-05	Tcell	ZC2HC1A
AHCY.9	4.59E-09	-0.2745	0.095	0.298	6.86E-05	Tcell	AHCY
VPS25.6	4.59E-09	-0.31265	0.123	0.334	6.86E-05	Tcell	VPS25
RP11-161M	4.64E-09	-0.41681	0.018	0.169	6.93E-05	Tcell	RP11-161M6.2
ZNF711.11	4.74E-09	-0.37349	0.005	0.145	7.08E-05	Tcell	ZNF711
TUBA1C.1C	4.74E-09	-0.41557	0.159	0.384	7.09E-05	Tcell	TUBA1C
CIAPIN1.9	4.76E-09	-0.3427	0.077	0.263	7.12E-05	Tcell	CIAPIN1
DCTN2.8	4.79E-09	-0.34112	0.25	0.512	7.16E-05	Tcell	DCTN2
PABPN1.9	4.82E-09	-0.15046	0.136	0.359	7.20E-05	Tcell	PABPN1
ALKBH4.1C	4.95E-09	-0.29591	0.036	0.201	7.40E-05	Tcell	ALKBH4
NAE1.10	4.96E-09	-0.24936	0.127	0.344	7.41E-05	Tcell	NAE1
AK2.7	4.96E-09	-0.39043	0.164	0.395	7.41E-05	Tcell	AK2
LST1.14	4.98E-09	-0.51134	0.127	0.316	7.44E-05	Tcell	LST1
KDELRL1.5	4.98E-09	-0.27432	0.227	0.498	7.45E-05	Tcell	KDELRL1
PSENN.1C	5.00E-09	-0.37659	0.241	0.497	7.47E-05	Tcell	PSENN
LRRC4B.13	5.04E-09	-0.30033	0	0.136	7.54E-05	Tcell	LRRC4B
USE1.10	5.11E-09	-0.30867	0.118	0.334	7.64E-05	Tcell	USE1
LPL.8	5.12E-09	-0.46993	0.014	0.161	7.65E-05	Tcell	LPL
MTMR9.9	5.14E-09	-0.32558	0.032	0.192	7.69E-05	Tcell	MTMR9
AP4M1.11	5.16E-09	-0.4122	0.036	0.196	7.72E-05	Tcell	AP4M1
TMEM206.1	5.22E-09	-0.28874	0.055	0.234	7.79E-05	Tcell	TMEM206
SPG20.5	5.29E-09	-0.29816	0.059	0.241	7.91E-05	Tcell	SPG20

DTX3. 9	5. 33E-09	-0. 37798	0. 073	0. 259	7. 97E-05 Tcell	DTX3
MXRA7. 11	5. 34E-09	-0. 27564	0. 018	0. 17	7. 99E-05 Tcell	MXRA7
TM9SF4. 5	5. 37E-09	-0. 3322	0. 032	0. 191	8. 03E-05 Tcell	TM9SF4
CLK1. 7	5. 50E-09	0. 550823	0. 495	0. 421	8. 22E-05 Tcell	CLK1
ERAL1. 8	5. 53E-09	-0. 28062	0. 064	0. 244	8. 26E-05 Tcell	ERAL1
TMC03. 5	5. 53E-09	-0. 27686	0. 041	0. 207	8. 26E-05 Tcell	TMC03
TAC01. 6	5. 57E-09	-0. 29986	0. 023	0. 177	8. 32E-05 Tcell	TAC01
TSPAN31. 9	5. 57E-09	-0. 38329	0. 1	0. 299	8. 33E-05 Tcell	TSPAN31
PTGS1. 13	5. 58E-09	-0. 49623	0. 014	0. 159	8. 33E-05 Tcell	PTGS1
NUDCD2. 9	5. 58E-09	-0. 24162	0. 164	0. 405	8. 34E-05 Tcell	NUDCD2
NLRC5. 1	5. 69E-09	0. 479716	0. 114	0. 039	8. 50E-05 Tcell	NLRC5
AP1B1. 12	5. 73E-09	-0. 35096	0. 077	0. 262	8. 56E-05 Tcell	AP1B1
ATP6V1G2. 5	5. 79E-09	-0. 37515	0. 009	0. 152	8. 66E-05 Tcell	ATP6V1G2
PIPOX. 12	5. 81E-09	-0. 33614	0	0. 135	8. 68E-05 Tcell	PIPOX
MAGEH1. 12	5. 82E-09	-0. 34459	0. 118	0. 321	8. 70E-05 Tcell	MAGEH1
MAP9. 10	5. 83E-09	-0. 32248	0. 032	0. 192	8. 71E-05 Tcell	MAP9
PAIP1. 13	5. 84E-09	-0. 20772	0. 159	0. 4	8. 73E-05 Tcell	PAIP1
CTNND2. 11	5. 85E-09	-0. 33514	0. 014	0. 16	8. 75E-05 Tcell	CTNND2
TSPYL2. 6	5. 97E-09	0. 655663	0. 218	0. 111	8. 92E-05 Tcell	TSPYL2
ADM. 12	6. 00E-09	-0. 64004	0. 032	0. 188	8. 96E-05 Tcell	ADM
WDR830S. 7	6. 00E-09	-0. 36969	0. 441	0. 75	8. 97E-05 Tcell	WDR830S
NRP1. 11	6. 03E-09	-0. 33589	0. 018	0. 168	9. 01E-05 Tcell	NRP1
CTDNEP1. 7	6. 16E-09	-0. 22332	0. 109	0. 317	9. 20E-05 Tcell	CTDNEP1
PLXNB2. 9	6. 17E-09	-0. 33916	0. 014	0. 16	9. 22E-05 Tcell	PLXNB2
BMP7. 14	6. 23E-09	-0. 32205	0. 018	0. 169	9. 30E-05 Tcell	BMP7
UBE2E3. 12	6. 26E-09	-0. 30856	0. 218	0. 465	9. 35E-05 Tcell	UBE2E3
TMOD1. 10	6. 26E-09	-0. 41896	0. 014	0. 16	9. 35E-05 Tcell	TMOD1
PLAU. 12	6. 30E-09	-0. 45243	0. 018	0. 166	9. 41E-05 Tcell	PLAU
AGPAT1. 6	6. 32E-09	-0. 28084	0. 055	0. 23	9. 44E-05 Tcell	AGPAT1
SLC25A36. 6	6. 41E-09	-0. 28173	0. 082	0. 273	9. 58E-05 Tcell	SLC25A36
LDLRAP1. 6	6. 45E-09	0. 562508	0. 141	0. 055	9. 64E-05 Tcell	LDLRAP1
MTCH1. 6	6. 54E-09	-0. 27603	0. 259	0. 539	9. 78E-05 Tcell	MTCH1
SPNS1. 9	6. 56E-09	-0. 23266	0. 095	0. 294	9. 81E-05 Tcell	SPNS1
GIMAP6. 12	6. 57E-09	0. 547131	0. 118	0. 041	9. 82E-05 Tcell	GIMAP6
GIMAP4. 14	6. 63E-09	0. 533447	0. 273	0. 147	9. 91E-05 Tcell	GIMAP4
SAR1B. 6	6. 65E-09	-0. 29297	0. 118	0. 326	9. 94E-05 Tcell	SAR1B
GDE1. 6	6. 65E-09	-0. 25956	0. 1	0. 303	9. 94E-05 Tcell	GDE1
HOMER1. 12	6. 66E-09	-0. 31338	0. 014	0. 159	9. 96E-05 Tcell	HOMER1
GRHPR. 8	6. 68E-09	-0. 2076	0. 164	0. 397	9. 98E-05 Tcell	GRHPR
RP11-1094	6. 69E-09	-0. 22585	0. 059	0. 238	1. 00E-04 Tcell	RP11-1094M14. 11
PHF5A. 5	6. 81E-09	-0. 26226	0. 123	0. 331	0. 000102 Tcell	PHF5A
NUP62. 8	6. 92E-09	-0. 32928	0. 064	0. 24	0. 000103 Tcell	NUP62
ADA. 8	6. 94E-09	0. 653664	0. 191	0. 091	0. 000104 Tcell	ADA
LYN. 14	7. 07E-09	-0. 51551	0. 027	0. 177	0. 000106 Tcell	LYN
OS9. 5	7. 11E-09	-0. 31698	0. 277	0. 541	0. 000106 Tcell	OS9
C8orf46. 1	7. 15E-09	-0. 41689	0. 005	0. 142	0. 000107 Tcell	C8orf46
ARHGEF3. 4	7. 27E-09	0. 686842	0. 209	0. 104	0. 000109 Tcell	ARHGEF3
CTD-2336C	7. 32E-09	-0. 30385	0. 055	0. 227	0. 000109 Tcell	CTD-233602. 1
FAM110B. 1	7. 38E-09	-0. 32833	0. 032	0. 189	0. 00011 Tcell	FAM110B
TMEM158. 1	7. 39E-09	-0. 33335	0. 005	0. 142	0. 00011 Tcell	TMEM158
ANK2. 12	7. 45E-09	-0. 29614	0. 018	0. 167	0. 000111 Tcell	ANK2

SPATA6.7	7.51E-09	-0.31702	0.014	0.159	0.000112	Tcell	SPATA6
NKX2-2.12	7.54E-09	-0.43394	0.009	0.15	0.000113	Tcell	NKX2-2
ALG5.3	7.71E-09	-0.31476	0.15	0.37	0.000115	Tcell	ALG5
ENO2.10	7.77E-09	-0.35899	0.095	0.288	0.000116	Tcell	ENO2
CHCHD3.9	7.89E-09	-0.24779	0.15	0.373	0.000118	Tcell	CHCHD3
IPO5.9	7.91E-09	-0.30622	0.05	0.219	0.000118	Tcell	IPO5
NUDT9.3	8.29E-09	-0.33985	0.055	0.226	0.000124	Tcell	NUDT9
LHX2.12	8.30E-09	-0.31814	0	0.132	0.000124	Tcell	LHX2
COLGALT1.8	8.31E-09	-0.30855	0.036	0.195	0.000124	Tcell	COLGALT1
CYLD.9	8.33E-09	0.68042	0.277	0.162	0.000124	Tcell	CYLD
TMEM251.5	8.34E-09	-0.27181	0.064	0.246	0.000125	Tcell	TMEM251
WDR60.11	8.39E-09	-0.25036	0.059	0.235	0.000125	Tcell	WDR60
GPT2.12	8.47E-09	-0.32265	0.009	0.15	0.000127	Tcell	GPT2
PRR7.12	8.57E-09	-0.23655	0.032	0.191	0.000128	Tcell	PRR7
PTGR1.8	8.57E-09	-0.38275	0.032	0.188	0.000128	Tcell	PTGR1
TMED5.11	8.66E-09	-0.28039	0.109	0.31	0.000129	Tcell	TMED5
GARS.10	8.67E-09	-0.30112	0.1	0.297	0.00013	Tcell	GARS
TPM2.10	8.70E-09	-0.4078	0.018	0.165	0.00013	Tcell	TPM2
MEIS3.10	8.73E-09	-0.32521	0	0.132	0.000131	Tcell	MEIS3
NAV1.10	8.74E-09	-0.30705	0.018	0.165	0.000131	Tcell	NAV1
DHRS7B.5	8.82E-09	-0.31826	0.032	0.189	0.000132	Tcell	DHRS7B
IPO9.10	8.85E-09	-0.32752	0.059	0.235	0.000132	Tcell	IPO9
SLC31A2.1	8.86E-09	-0.5161	0.036	0.195	0.000132	Tcell	SLC31A2
FOXP1.9	8.90E-09	0.614342	0.359	0.228	0.000133	Tcell	FOXP1
PIGU.9	8.95E-09	-0.35188	0.023	0.174	0.000134	Tcell	PIGU
MRPS25.4	8.95E-09	-0.19816	0.082	0.267	0.000134	Tcell	MRPS25
LHFPL2.12	9.02E-09	-0.45995	0.018	0.163	0.000135	Tcell	LHFPL2
NCBP2-AS2	9.02E-09	-0.18556	0.086	0.28	0.000135	Tcell	NCBP2-AS2
AP2S1.9	9.10E-09	-0.22555	0.355	0.667	0.000136	Tcell	AP2S1
GNG12.10	9.14E-09	-0.29505	0.005	0.14	0.000137	Tcell	GNG12
NAT9.7	9.19E-09	-0.22204	0.041	0.206	0.000137	Tcell	NAT9
HES4.11	9.19E-09	-0.31199	0.032	0.19	0.000137	Tcell	HES4
PIGT.6	9.46E-09	-0.3456	0.177	0.402	0.000141	Tcell	PIGT
DUSP6.5	9.52E-09	-0.2281	0.068	0.248	0.000142	Tcell	DUSP6
ZFYVE21.7	9.61E-09	-0.29815	0.082	0.27	0.000144	Tcell	ZFYVE21
MDFIC.6	9.62E-09	0.571774	0.118	0.043	0.000144	Tcell	MDFIC
SMIM20.5	9.72E-09	-0.25615	0.127	0.344	0.000145	Tcell	SMIM20
SCARA3.11	9.73E-09	-0.29194	0.005	0.14	0.000145	Tcell	SCARA3
CTDSP2.8	9.73E-09	-0.31799	0.091	0.28	0.000145	Tcell	CTDSP2
PRKCSH.7	9.81E-09	-0.29162	0.195	0.435	0.000147	Tcell	PRKCSH
PDE4DIP.7	9.81E-09	-0.27502	0.082	0.267	0.000147	Tcell	PDE4DIP
FUZ.7	9.93E-09	-0.32255	0.018	0.164	0.000148	Tcell	FUZ
EFNA1.10	1.00E-08	-0.46267	0	0.131	0.00015	Tcell	EFNA1
SWAP70.12	1.01E-08	-0.29906	0.055	0.225	0.00015	Tcell	SWAP70
FRMD4A.11	1.01E-08	-0.51733	0.036	0.191	0.000151	Tcell	FRMD4A
VMO1.13	1.02E-08	-0.61506	0.018	0.162	0.000152	Tcell	VMO1
BMPR2.9	1.02E-08	-0.28226	0.027	0.18	0.000153	Tcell	BMPR2
CHST2.11	1.03E-08	-0.30526	0.005	0.138	0.000153	Tcell	CHST2
POLR3H.8	1.03E-08	-0.3168	0.05	0.218	0.000154	Tcell	POLR3H
BTBD3.11	1.04E-08	-0.28818	0.005	0.14	0.000155	Tcell	BTBD3
ZNF3.9	1.04E-08	-0.34865	0.045	0.208	0.000156	Tcell	ZNF3



DCTN4.3	1.04E-08	-0.32565	0.032	0.188	0.000156	Tcell	DCTN4
ATP6V1C1.	1.05E-08	-0.29255	0.068	0.247	0.000157	Tcell	ATP6V1C1
APOC2.13	1.06E-08	-0.78026	0.041	0.192	0.000159	Tcell	APOC2
PLSCR1.12	1.07E-08	-0.41905	0.155	0.363	0.000159	Tcell	PLSCR1
LTBP3.7	1.07E-08	-0.22847	0.045	0.213	0.000161	Tcell	LTBP3
CERS1.10	1.08E-08	-0.31614	0	0.13	0.000162	Tcell	CERS1
PAAF1.7	1.10E-08	-0.23781	0.041	0.202	0.000164	Tcell	PAAF1
GPSM2.11	1.11E-08	-0.29467	0.027	0.18	0.000165	Tcell	GPSM2
LINC00665	1.11E-08	-0.27705	0.032	0.189	0.000165	Tcell	LINC00665
CES2.6	1.12E-08	-0.30732	0.032	0.187	0.000167	Tcell	CES2
RP11-71N1	1.13E-08	-0.36575	0.005	0.138	0.00017	Tcell	RP11-71N10.1
PSMC3.7	1.14E-08	-0.24119	0.264	0.535	0.00017	Tcell	PSMC3
JKAMP.5	1.16E-08	-0.26118	0.105	0.303	0.000174	Tcell	JKAMP
C12orf10.	1.18E-08	-0.31538	0.118	0.321	0.000176	Tcell	C12orf10
PLEKHB1.1	1.18E-08	-0.44473	0.05	0.216	0.000177	Tcell	PLEKHB1
SUCLA2.8	1.19E-08	-0.35	0.1	0.291	0.000177	Tcell	SUCLA2
LINC00657	1.20E-08	-0.17876	0.123	0.336	0.000179	Tcell	LINC00657
STX12.4	1.20E-08	-0.16467	0.168	0.412	0.000179	Tcell	STX12
MYH10.11	1.22E-08	-0.31694	0.014	0.156	0.000182	Tcell	MYH10
ZDHHC9.11	1.22E-08	-0.34705	0.023	0.17	0.000183	Tcell	ZDHHC9
DERL2.7	1.23E-08	-0.21148	0.145	0.356	0.000184	Tcell	DERL2
NPTXR.11	1.23E-08	-0.29721	0	0.13	0.000184	Tcell	NPTXR
TEAD1.9	1.23E-08	-0.24525	0.009	0.147	0.000184	Tcell	TEAD1
SSFA2.9	1.24E-08	-0.2454	0.032	0.189	0.000185	Tcell	SSFA2
THOP1.11	1.26E-08	-0.19771	0.041	0.204	0.000189	Tcell	THOP1
AAK1.8	1.27E-08	0.745976	0.373	0.275	0.00019	Tcell	AAK1
KLHL4.11	1.28E-08	-0.32528	0	0.129	0.000191	Tcell	KLHL4
LINC01003	1.28E-08	-0.29464	0.036	0.195	0.000192	Tcell	LINC01003
ARHGEF12.	1.29E-08	-0.26445	0.018	0.163	0.000193	Tcell	ARHGEF12
DCTPP1.7	1.29E-08	-0.30035	0.127	0.334	0.000193	Tcell	DCTPP1
RP11-332H	1.29E-08	-0.34901	0	0.129	0.000193	Tcell	RP11-332H14.2
SLC31A1.1	1.30E-08	-0.38079	0.023	0.17	0.000194	Tcell	SLC31A1
SDR39U1.7	1.30E-08	-0.36094	0.091	0.278	0.000194	Tcell	SDR39U1
ZNF414.12	1.33E-08	-0.21676	0.032	0.188	0.000198	Tcell	ZNF414
PAK3.13	1.35E-08	-0.41921	0.009	0.146	0.000201	Tcell	PAK3
RP3-525N1	1.35E-08	-0.41642	0.014	0.153	0.000201	Tcell	RP3-525N10.2
HNRNPDL.8	1.37E-08	0.220544	0.732	0.799	0.000204	Tcell	HNRNPDL
NDUFB6.7	1.38E-08	-0.31723	0.241	0.502	0.000206	Tcell	NDUFB6
TIMM17A.5	1.39E-08	-0.328	0.159	0.38	0.000207	Tcell	TIMM17A
C20orf96.	1.39E-08	-0.32059	0.014	0.153	0.000208	Tcell	C20orf96
HDGF.8	1.39E-08	-0.24386	0.086	0.277	0.000208	Tcell	HDGF
IQCK.8	1.40E-08	-0.3311	0	0.129	0.000209	Tcell	IQCK
FBXO17.14	1.41E-08	-0.27208	0.009	0.146	0.000211	Tcell	FBXO17
KCNMA1.1C	1.43E-08	-0.37742	0.009	0.145	0.000214	Tcell	KCNMA1
TPD52L2.1	1.45E-08	-0.20101	0.123	0.328	0.000216	Tcell	TPD52L2
TMEM106B.	1.46E-08	-0.29926	0.127	0.334	0.000219	Tcell	TMEM106B
ZCCHC17.8	1.48E-08	-0.20772	0.141	0.355	0.000221	Tcell	ZCCHC17
PGLS.9	1.48E-08	-0.26407	0.25	0.515	0.000221	Tcell	PGLS
SLC35F1.1	1.49E-08	-0.27718	0	0.128	0.000222	Tcell	SLC35F1
ROGDI.7	1.49E-08	-0.28544	0.059	0.23	0.000223	Tcell	ROGDI
NNAT.13	1.53E-08	-0.6942	0.045	0.198	0.000228	Tcell	NNAT

MKKS. 8	1. 53E-08	-0. 22336	0. 177	0. 408	0. 000229	Tcell	MKKS
GTF2H2. 1C	1. 54E-08	-0. 22393	0. 032	0. 187	0. 000229	Tcell	GTF2H2
SMIM15. 5	1. 55E-08	-0. 15418	0. 123	0. 336	0. 000232	Tcell	SMIM15
UQCC1. 8	1. 55E-08	-0. 32305	0. 023	0. 168	0. 000232	Tcell	UQCC1
VPS41. 5	1. 55E-08	-0. 31607	0. 045	0. 204	0. 000232	Tcell	VPS41
SNAP25. 12	1. 55E-08	-0. 42216	0. 009	0. 145	0. 000232	Tcell	SNAP25
MRT04. 7	1. 56E-08	-0. 31105	0. 073	0. 249	0. 000233	Tcell	MRT04
C11orf96. 1	1. 57E-08	-0. 40652	0. 005	0. 137	0. 000235	Tcell	C11orf96
EIF1B. 10	1. 58E-08	-0. 3289	0. 309	0. 593	0. 000236	Tcell	EIF1B
TAF9. 8	1. 59E-08	-0. 25531	0. 236	0. 505	0. 000237	Tcell	TAF9
COQ2. 13	1. 59E-08	-0. 36404	0. 032	0. 182	0. 000238	Tcell	COQ2
PILRA. 13	1. 62E-08	-0. 56778	0. 023	0. 168	0. 000241	Tcell	PILRA
TCP1. 10	1. 62E-08	-0. 28591	0. 255	0. 528	0. 000243	Tcell	TCP1
TNPO1. 4	1. 63E-08	-0. 22247	0. 091	0. 281	0. 000243	Tcell	TNPO1
LAP3. 11	1. 65E-08	-0. 3115	0. 245	0. 496	0. 000246	Tcell	LAP3
RFX4. 12	1. 65E-08	-0. 38532	0. 014	0. 153	0. 000246	Tcell	RFX4
CTD-2020K	1. 68E-08	0. 307263	0. 082	0. 023	0. 000251	Tcell	CTD-2020K17. 1
HBD. 1	1. 68E-08	0. 203752	0. 014	0. 001	0. 000251	Tcell	HBD
USP11. 11	1. 68E-08	-0. 25206	0. 141	0. 356	0. 000251	Tcell	USP11
TNFAIP1. 1	1. 69E-08	-0. 27014	0. 027	0. 178	0. 000252	Tcell	TNFAIP1
ASAP1. 9	1. 69E-08	-0. 22146	0. 059	0. 231	0. 000252	Tcell	ASAP1
OLA1. 7	1. 72E-08	-0. 16277	0. 236	0. 493	0. 000256	Tcell	OLA1
IL12RB1. 1	1. 73E-08	0. 322271	0. 095	0. 03	0. 000259	Tcell	IL12RB1
TNKS. 13	1. 74E-08	-0. 30882	0. 014	0. 151	0. 000259	Tcell	TNKS
TBL2. 4	1. 74E-08	-0. 31347	0. 036	0. 192	0. 000261	Tcell	TBL2
SWI5. 10	1. 75E-08	-0. 35492	0. 073	0. 249	0. 000262	Tcell	SWI5
NKAIN3. 13	1. 75E-08	-0. 32362	0	0. 127	0. 000262	Tcell	NKAIN3
NMB. 12	1. 78E-08	-0. 38699	0. 045	0. 205	0. 000266	Tcell	NMB
KIAA1033. 1	1. 79E-08	-0. 31049	0. 068	0. 242	0. 000268	Tcell	KIAA1033
MAML2. 13	1. 80E-08	-0. 27586	0. 041	0. 201	0. 000269	Tcell	MAML2
NOL3. 11	1. 81E-08	-0. 32195	0. 023	0. 169	0. 000271	Tcell	NOL3
RP11-390E	1. 84E-08	-0. 39697	0	0. 127	0. 000276	Tcell	RP11-390E23. 6
RAB4A. 7	1. 85E-08	-0. 22841	0. 132	0. 345	0. 000276	Tcell	RAB4A
PSPH. 13	1. 85E-08	-0. 31135	0. 018	0. 16	0. 000277	Tcell	PSPH
CCDC90B. 8	1. 86E-08	-0. 27805	0. 177	0. 413	0. 000279	Tcell	CCDC90B
FKBP5. 13	1. 87E-08	0. 559306	0. 427	0. 314	0. 00028	Tcell	FKBP5
CLSTN1. 8	1. 90E-08	-0. 24985	0. 095	0. 286	0. 000284	Tcell	CLSTN1
APBB1IP. 1	1. 92E-08	0. 469163	0. 277	0. 154	0. 000287	Tcell	APBB1IP
MIDN. 8	1. 92E-08	-0. 23628	0. 182	0. 419	0. 000287	Tcell	MIDN
CNIH4. 10	1. 94E-08	-0. 2994	0. 159	0. 378	0. 00029	Tcell	CNIH4
ARMC10. 1C	1. 99E-08	-0. 23825	0. 105	0. 3	0. 000297	Tcell	ARMC10
FUNDC1. 8	1. 99E-08	-0. 33258	0. 073	0. 249	0. 000297	Tcell	FUNDC1
TIMM22. 9	1. 99E-08	-0. 27095	0. 073	0. 246	0. 000297	Tcell	TIMM22
AP006222. 2	2. 00E-08	-0. 34577	0. 05	0. 214	0. 000299	Tcell	AP006222. 2
ZNF883. 11	2. 01E-08	-0. 31919	0. 009	0. 143	0. 000301	Tcell	ZNF883
SOX6. 11	2. 02E-08	-0. 32867	0. 009	0. 144	0. 000302	Tcell	SOX6
CMTM7. 13	2. 05E-08	0. 594098	0. 277	0. 162	0. 000307	Tcell	CMTM7
GSTK1. 11	2. 06E-08	0. 423144	0. 568	0. 529	0. 000308	Tcell	GSTK1
TMEM237. 1	2. 06E-08	-0. 28167	0. 036	0. 189	0. 000308	Tcell	TMEM237
TANC2. 7	2. 06E-08	-0. 26941	0. 036	0. 192	0. 000308	Tcell	TANC2
VMA21. 9	2. 06E-08	-0. 21516	0. 136	0. 344	0. 000308	Tcell	VMA21

SUDS3.12	2.07E-08	-0.22944	0.036	0.191	0.000309	Tcell	SUDS3
GPAA1.7	2.07E-08	-0.18689	0.168	0.397	0.00031	Tcell	GPAA1
NRXN1.12	2.09E-08	-0.47391	0.023	0.166	0.000312	Tcell	NRXN1
PRR13.10	2.09E-08	0.35352	0.591	0.542	0.000313	Tcell	PRR13
SIRT6.6	2.10E-08	-0.29754	0.041	0.198	0.000314	Tcell	SIRT6
GBE1.9	2.13E-08	-0.41857	0.036	0.188	0.000318	Tcell	GBE1
PDLIM5.6	2.13E-08	-0.21355	0.055	0.223	0.000318	Tcell	PDLIM5
GPX4.7	2.13E-08	-0.32163	0.545	0.848	0.000318	Tcell	GPX4
NDUFV1.6	2.16E-08	-0.30527	0.232	0.484	0.000322	Tcell	NDUFV1
MGST2.13	2.17E-08	-0.53002	0.086	0.257	0.000324	Tcell	MGST2
KCNF1.14	2.17E-08	-0.3325	0	0.126	0.000325	Tcell	KCNF1
TMED7.4	2.18E-08	-0.20342	0.086	0.274	0.000326	Tcell	TMED7
DPF1.11	2.18E-08	-0.35358	0.009	0.143	0.000326	Tcell	DPF1
RP11-849I	2.26E-08	-0.36069	0.005	0.134	0.000337	Tcell	RP11-849I19.1
TMSB15A.1	2.26E-08	-0.40163	0.032	0.181	0.000338	Tcell	TMSB15A
CINP.3	2.29E-08	-0.32927	0.077	0.255	0.000342	Tcell	CINP
PIGX.11	2.31E-08	-0.29175	0.077	0.256	0.000345	Tcell	PIGX
LY75.2	2.34E-08	0.33012	0.064	0.016	0.00035	Tcell	LY75
SPI1.14	2.36E-08	-0.51209	0.077	0.242	0.000352	Tcell	SPI1
USMG5.10	2.38E-08	0.314372	0.605	0.62	0.000356	Tcell	USMG5
MVB12A.8	2.41E-08	-0.27925	0.109	0.306	0.00036	Tcell	MVB12A
OSER1-AS1	2.41E-08	-0.33739	0.005	0.134	0.00036	Tcell	OSER1-AS1
SGCE.10	2.44E-08	-0.54521	0.014	0.149	0.000365	Tcell	SGCE
NDUFC1.7	2.47E-08	-0.32071	0.286	0.557	0.00037	Tcell	NDUFC1
SAP30.9	2.49E-08	-0.25439	0.068	0.243	0.000371	Tcell	SAP30
PCDHB16.1	2.50E-08	-0.29178	0.009	0.142	0.000374	Tcell	PCDHB16
CPNE3.8	2.52E-08	-0.25033	0.127	0.334	0.000377	Tcell	CPNE3
ASIC4.12	2.53E-08	-0.48344	0.009	0.142	0.000378	Tcell	ASIC4
SP110.11	2.54E-08	0.582666	0.314	0.196	0.00038	Tcell	SP110
PBX4.1	2.63E-08	0.338083	0.073	0.02	0.000393	Tcell	PBX4
PGD.7	2.64E-08	-0.26651	0.105	0.297	0.000395	Tcell	PGD
FOLR2.14	2.66E-08	-0.75957	0.036	0.18	0.000398	Tcell	FOLR2
POSTN.12	2.67E-08	-0.43568	0.005	0.132	0.000399	Tcell	POSTN
WSCD1.12	2.68E-08	-0.30979	0.005	0.133	0.0004	Tcell	WSCD1
GRIA4.11	2.74E-08	-0.35861	0.005	0.132	0.000409	Tcell	GRIA4
QSOX1.11	2.75E-08	-0.25273	0.068	0.239	0.000411	Tcell	QSOX1
NSL1.8	2.75E-08	-0.31865	0.141	0.351	0.000411	Tcell	NSL1
PNMA2.12	2.77E-08	-0.32059	0.009	0.141	0.000413	Tcell	PNMA2
RNF141.7	2.80E-08	-0.34052	0.055	0.217	0.000418	Tcell	RNF141
CNDP2.12	2.82E-08	-0.31927	0.2	0.435	0.000422	Tcell	CNDP2
EIF3B.8	2.86E-08	-0.2094	0.073	0.25	0.000427	Tcell	EIF3B
PSMC2.7	2.86E-08	-0.27334	0.218	0.463	0.000427	Tcell	PSMC2
SUGT1.4	2.87E-08	-0.27673	0.141	0.349	0.000429	Tcell	SUGT1
ECSIT.8	2.91E-08	-0.27654	0.086	0.271	0.000434	Tcell	ECSIT
HOOK3.6	2.92E-08	-0.14868	0.095	0.287	0.000436	Tcell	HOOK3
COMMD1.4	2.92E-08	-0.26528	0.15	0.361	0.000437	Tcell	COMMD1
EGR2.10	2.94E-08	-0.40029	0.041	0.195	0.000439	Tcell	EGR2
EMG1.5	2.99E-08	-0.31636	0.068	0.238	0.000446	Tcell	EMG1
HINT3.7	3.00E-08	-0.30204	0.045	0.201	0.000448	Tcell	HINT3
RAB2A.7	3.02E-08	-0.25525	0.3	0.597	0.000452	Tcell	RAB2A
OGFRL1.12	3.03E-08	-0.42026	0.036	0.184	0.000453	Tcell	OGFRL1

ICT1.6	3.09E-08	-0.26385	0.068	0.24	0.000461	Tcell	ICT1
SNF8.11	3.10E-08	-0.23151	0.209	0.464	0.000464	Tcell	SNF8
TMEM11.9	3.11E-08	-0.27043	0.123	0.322	0.000465	Tcell	TMEM11
ATF7IP2.1	3.13E-08	0.383236	0.114	0.04	0.000468	Tcell	ATF7IP2
GPC2.14	3.14E-08	-0.42416	0.027	0.171	0.000469	Tcell	GPC2
TRIM16.8	3.16E-08	-0.27902	0.005	0.132	0.000473	Tcell	TRIM16
ANKRD17.1	3.18E-08	-0.16616	0.055	0.22	0.000475	Tcell	ANKRD17
PTGES2.7	3.18E-08	-0.21689	0.086	0.27	0.000475	Tcell	PTGES2
TRAF4.13	3.19E-08	-0.23043	0.086	0.272	0.000477	Tcell	TRAF4
ASPHD1.9	3.20E-08	-0.35118	0.009	0.14	0.000478	Tcell	ASPHD1
GTF2F1.3	3.22E-08	-0.21745	0.095	0.286	0.000481	Tcell	GTF2F1
STAU1.9	3.22E-08	-0.1722	0.145	0.37	0.000481	Tcell	STAU1
DPCD.8	3.23E-08	-0.36373	0.023	0.164	0.000482	Tcell	DPCD
PURB.5	3.23E-08	-0.29081	0.027	0.171	0.000482	Tcell	PURB
TP53I3.6	3.25E-08	-0.33811	0.014	0.148	0.000486	Tcell	TP53I3
PFDN2.6	3.27E-08	-0.18397	0.323	0.616	0.000489	Tcell	PFDN2
SPOP.10	3.31E-08	-0.26663	0.114	0.312	0.000494	Tcell	SPOP
PASK.1	3.33E-08	0.379907	0.059	0.014	0.000498	Tcell	PASK
NMD3.3	3.33E-08	-0.28143	0.055	0.218	0.000498	Tcell	NMD3
SCIN.14	3.35E-08	-0.63097	0.018	0.153	0.0005	Tcell	SCIN
GLA.12	3.35E-08	-0.43504	0.059	0.218	0.0005	Tcell	GLA
APMAP.6	3.36E-08	-0.17609	0.25	0.523	0.000503	Tcell	APMAP
TSPAN12.1	3.37E-08	-0.33093	0	0.123	0.000504	Tcell	TSPAN12
MLLT4.11	3.39E-08	-0.26898	0.023	0.164	0.000506	Tcell	MLLT4
RP13-580F	3.39E-08	0.144255	0.027	0.004	0.000507	Tcell	RP13-580F15.2
CSTF3.11	3.43E-08	-0.19304	0.086	0.271	0.000513	Tcell	CSTF3
TMEM165.7	3.43E-08	-0.21733	0.209	0.461	0.000513	Tcell	TMEM165
DHPS.10	3.44E-08	-0.26525	0.209	0.451	0.000515	Tcell	DHPS
NETO2.10	3.44E-08	-0.2234	0.023	0.164	0.000515	Tcell	NETO2
GNA12.3	3.45E-08	-0.34247	0.009	0.139	0.000515	Tcell	GNA12
SERINC2.8	3.50E-08	-0.29764	0	0.122	0.000523	Tcell	SERINC2
C6orf1.4	3.56E-08	-0.24756	0.15	0.364	0.000532	Tcell	C6orf1
DNASE2.1C	3.57E-08	-0.23631	0.173	0.388	0.000533	Tcell	DNASE2
ANAPC13.1	3.57E-08	-0.24825	0.141	0.358	0.000534	Tcell	ANAPC13
COMMD5.1	3.64E-08	-0.16614	0.082	0.262	0.000543	Tcell	COMMD5
NIFK.10	3.67E-08	-0.13183	0.141	0.352	0.000549	Tcell	NIFK
EXOSC4.5	3.68E-08	-0.21383	0.077	0.255	0.00055	Tcell	EXOSC4
KXD1.8	3.71E-08	-0.30513	0.218	0.453	0.000554	Tcell	KXD1
PYGB.8	3.75E-08	-0.13816	0.05	0.214	0.00056	Tcell	PYGB
YBEY.6	3.86E-08	-0.22623	0.059	0.224	0.000576	Tcell	YBEY
PDGFC.8	3.87E-08	-0.28161	0	0.122	0.000578	Tcell	PDGFC
FGFR1.9	3.90E-08	-0.20379	0.027	0.173	0.000583	Tcell	FGFR1
STARD4-AS	3.97E-08	-0.32096	0.005	0.129	0.000593	Tcell	STARD4-AS1
INSR.8	4.06E-08	-0.34471	0.014	0.147	0.000606	Tcell	INSR
ANKRD10.2	4.08E-08	-0.20568	0.114	0.31	0.00061	Tcell	ANKRD10
CAV1.12	4.10E-08	-0.86545	0.005	0.129	0.000613	Tcell	CAV1
BTG2.10	4.11E-08	0.483844	0.523	0.466	0.000614	Tcell	BTG2
MAPRE1.7	4.12E-08	-0.27652	0.227	0.482	0.000615	Tcell	MAPRE1
SLC1A2.1C	4.12E-08	-0.36485	0.009	0.138	0.000616	Tcell	SLC1A2
ZSCAN18.9	4.13E-08	-0.24261	0.064	0.235	0.000617	Tcell	ZSCAN18
ATP6V1A.6	4.13E-08	-0.24332	0.045	0.202	0.000618	Tcell	ATP6V1A

FKBP4.9	4.13E-08	-0.19783	0.123	0.325	0.000618	Tcell	FKBP4
CC2D1A.7	4.14E-08	-0.13703	0.036	0.189	0.000619	Tcell	CC2D1A
RHBDD2.11	4.18E-08	-0.22509	0.209	0.464	0.000625	Tcell	RHBDD2
GLT8D1.7	4.21E-08	-0.14823	0.091	0.28	0.00063	Tcell	GLT8D1
NUP210.2	4.22E-08	0.535998	0.145	0.061	0.00063	Tcell	NUP210
BPHL.7	4.23E-08	-0.31925	0.032	0.177	0.000632	Tcell	BPHL
PTDSS2.12	4.24E-08	-0.24894	0.018	0.155	0.000634	Tcell	PTDSS2
CCT5.11	4.25E-08	-0.16269	0.227	0.487	0.000635	Tcell	CCT5
TTC39B	4.29E-08	0.466727	0.082	0.025	0.000642	Tcell	TTC39B
HCFC1R1.6	4.31E-08	-0.29246	0.105	0.286	0.000644	Tcell	HCFC1R1
WASL.10	4.32E-08	-0.23347	0.036	0.186	0.000646	Tcell	WASL
FNIP2.8	4.39E-08	-0.31079	0.045	0.198	0.000657	Tcell	FNIP2
FHL3.8	4.46E-08	-0.29442	0.023	0.162	0.000667	Tcell	FHL3
HIP1.10	4.56E-08	-0.28371	0.027	0.17	0.000682	Tcell	HIP1
RAMP2.11	4.59E-08	-0.32276	0.009	0.138	0.000686	Tcell	RAMP2
PDIA4.7	4.63E-08	-0.27824	0.218	0.466	0.000692	Tcell	PDIA4
YWHAH.12	4.66E-08	-0.30094	0.309	0.57	0.000696	Tcell	YWHAH
IVD.6	4.67E-08	-0.2569	0.045	0.202	0.000698	Tcell	IVD
EIF4G3.5	4.71E-08	-0.26844	0.032	0.177	0.000704	Tcell	EIF4G3
BACE1.8	4.72E-08	-0.3328	0	0.12	0.000706	Tcell	BACE1
ZCRB1.6	4.74E-08	-0.32744	0.25	0.495	0.000709	Tcell	ZCRB1
ZNF24.9	4.78E-08	-0.23129	0.109	0.304	0.000715	Tcell	ZNF24
TRADD.8	4.82E-08	0.620502	0.273	0.166	0.000721	Tcell	TRADD
TMED4.10	4.83E-08	-0.23146	0.195	0.442	0.000722	Tcell	TMED4
RAB6A.9	4.85E-08	-0.10483	0.168	0.398	0.000724	Tcell	RAB6A
TMEM38B.4	4.86E-08	-0.33929	0.027	0.169	0.000726	Tcell	TMEM38B
PLEKHA4.1	4.88E-08	-0.25138	0.005	0.129	0.000729	Tcell	PLEKHA4
NAV2.10	4.90E-08	-0.32938	0	0.12	0.000733	Tcell	NAV2
SELPLG.12	4.91E-08	0.367038	0.236	0.119	0.000734	Tcell	SELPLG
PES1.7	4.96E-08	-0.22093	0.041	0.195	0.000742	Tcell	PES1
CHD6.12	4.99E-08	-0.22175	0.073	0.248	0.000746	Tcell	CHD6
MTHFD2L.8	5.00E-08	-0.23272	0.05	0.209	0.000747	Tcell	MTHFD2L
PITPNA.8	5.02E-08	-0.20484	0.036	0.184	0.000751	Tcell	PITPNA
CMBL.9	5.03E-08	-0.2959	0.005	0.129	0.000751	Tcell	CMBL
TGFB1I1.1	5.03E-08	-0.28639	0.005	0.129	0.000751	Tcell	TGFB1I1
TMSB15B.1	5.09E-08	-0.3142	0.036	0.184	0.000761	Tcell	TMSB15B
RP11-796E	5.09E-08	0.561183	0.15	0.064	0.000761	Tcell	RP11-796E2.4
NUDT11.11	5.11E-08	-0.33833	0.005	0.129	0.000764	Tcell	NUDT11
HLA-DMB.1	5.12E-08	-0.59345	0.155	0.324	0.000765	Tcell	HLA-DMB
ERGIC1.4	5.17E-08	-0.27679	0.105	0.293	0.000772	Tcell	ERGIC1
KIAA1191.5	5.23E-08	-0.15984	0.086	0.268	0.000781	Tcell	KIAA1191
WDR1.9	5.31E-08	0.434036	0.477	0.413	0.000794	Tcell	WDR1
SYP.12	5.38E-08	-0.38858	0.009	0.136	0.000804	Tcell	SYP
EXOC7.10	5.43E-08	-0.11665	0.141	0.356	0.000811	Tcell	EXOC7
IER3.14	5.48E-08	-0.57365	0.086	0.244	0.000819	Tcell	IER3
ZFPL1.7	5.52E-08	-0.23629	0.068	0.238	0.000825	Tcell	ZFPL1
WEE1.10	5.56E-08	-0.2666	0.018	0.152	0.000831	Tcell	WEE1
RP13-977J	5.63E-08	0.262838	0.045	0.009	0.000841	Tcell	RP13-977J11.2
KLHL8.4	5.64E-08	-0.3182	0.009	0.135	0.000842	Tcell	KLHL8
ARL5A.6	5.75E-08	-0.21967	0.259	0.522	0.00086	Tcell	ARL5A
ATN1.11	5.77E-08	-0.20583	0.036	0.186	0.000862	Tcell	ATN1

DEXI. 10	5. 78E-08	-0. 19011	0. 05	0. 209	0. 000863	Tcell1	DEXI
GANAB. 8	5. 78E-08	-0. 20102	0. 095	0. 276	0. 000864	Tcell1	GANAB
LYAR. 7	5. 80E-08	0. 79175	0. 277	0. 172	0. 000866	Tcell1	LYAR
CKAP5. 12	5. 81E-08	-0. 31608	0. 023	0. 159	0. 000868	Tcell1	CKAP5
MNDA. 14	5. 84E-08	-0. 55291	0. 036	0. 18	0. 000873	Tcell1	MNDA
KCTD3. 7	5. 92E-08	-0. 24529	0. 014	0. 145	0. 000885	Tcell1	KCTD3
EMC4. 2	5. 94E-08	-0. 15262	0. 236	0. 487	0. 000888	Tcell1	EMC4
AARS. 3	5. 95E-08	-0. 30627	0. 068	0. 234	0. 000889	Tcell1	AARS
BUD31. 10	5. 96E-08	-0. 30718	0. 355	0. 633	0. 00089	Tcell1	BUD31
KEAP1. 8	5. 98E-08	-0. 19044	0. 091	0. 275	0. 000893	Tcell1	KEAP1
PCYOX1. 5	5. 98E-08	-0. 27187	0. 036	0. 183	0. 000894	Tcell1	PCYOX1
STARD3NL. 6	0. 1E-08	-0. 19535	0. 177	0. 402	0. 000898	Tcell1	STARD3NL
TOMM40. 11	6. 13E-08	-0. 15113	0. 127	0. 331	0. 000916	Tcell1	TOMM40
TMEM30A. 5	6. 22E-08	-0. 13374	0. 132	0. 338	0. 000929	Tcell1	TMEM30A
MBNL1. 11	6. 27E-08	0. 629237	0. 327	0. 222	0. 000937	Tcell1	MBNL1
COA5. 6	6. 28E-08	-0. 28961	0. 118	0. 309	0. 000938	Tcell1	COA5
SH3GL1. 8	6. 31E-08	-0. 23382	0. 077	0. 253	0. 000943	Tcell1	SH3GL1
FCGBP. 13	6. 36E-08	-0. 56692	0. 073	0. 232	0. 000951	Tcell1	FCGBP
HOOK2. 9	6. 37E-08	-0. 24756	0. 068	0. 238	0. 000952	Tcell1	HOOK2
DDAH1. 11	6. 38E-08	-0. 29135	0. 005	0. 127	0. 000953	Tcell1	DDAH1
NDUFA10. 3	6. 45E-08	-0. 13954	0. 2	0. 443	0. 000963	Tcell1	NDUFA10
ACADM. 5	6. 45E-08	-0. 30342	0. 136	0. 334	0. 000964	Tcell1	ACADM
GTF3A. 8	6. 50E-08	0. 503831	0. 523	0. 504	0. 000971	Tcell1	GTF3A
ARHGAP12. 6	5. 0E-08	-0. 26527	0. 041	0. 192	0. 000972	Tcell1	ARHGAP12
ABCF2. 9	6. 51E-08	-0. 24285	0. 059	0. 218	0. 000973	Tcell1	ABCF2
CYSTM1. 12	6. 55E-08	-0. 23802	0. 127	0. 328	0. 000979	Tcell1	CYSTM1
RP11-390F	6. 59E-08	-0. 28636	0. 009	0. 135	0. 000984	Tcell1	RP11-390P2. 4
PHACTR4. 8	6. 62E-08	-0. 25597	0. 05	0. 205	0. 000989	Tcell1	PHACTR4
WDR18. 10	6. 71E-08	-0. 15256	0. 1	0. 289	0. 001002	Tcell1	WDR18
GGT7. 8	6. 95E-08	-0. 22372	0. 027	0. 168	0. 001038	Tcell1	GGT7
SCAMP4. 9	7. 05E-08	-0. 24543	0. 091	0. 272	0. 001054	Tcell1	SCAMP4
CWC15. 5	7. 06E-08	-0. 2466	0. 241	0. 492	0. 001054	Tcell1	CWC15
CPXM1. 13	7. 06E-08	-0. 29222	0. 005	0. 126	0. 001055	Tcell1	CPXM1
CSNK2A1. 1	7. 07E-08	-0. 22685	0. 123	0. 32	0. 001056	Tcell1	CSNK2A1
MSR1. 14	7. 07E-08	-0. 56876	0. 041	0. 183	0. 001057	Tcell1	MSR1
PPP4R2. 6	7. 10E-08	-0. 21598	0. 086	0. 265	0. 001061	Tcell1	PPP4R2
SEMA6D. 14	7. 17E-08	-0. 2778	0. 023	0. 159	0. 001072	Tcell1	SEMA6D
G3BP2. 4	7. 20E-08	0. 724412	0. 364	0. 274	0. 001077	Tcell1	G3BP2
RP11-345F	7. 21E-08	-0. 24967	0. 027	0. 167	0. 001078	Tcell1	RP11-345P4. 9
MYO6. 9	7. 22E-08	-0. 215	0. 064	0. 228	0. 001078	Tcell1	MYO6
SMARCB1. 1	7. 24E-08	-0. 18145	0. 177	0. 418	0. 001081	Tcell1	SMARCB1
TMEM199. 7	7. 39E-08	-0. 31328	0. 077	0. 245	0. 001104	Tcell1	TMEM199
ZNF704. 12	7. 41E-08	-0. 31754	0. 005	0. 126	0. 001107	Tcell1	ZNF704
IPO7. 7	7. 41E-08	-0. 20908	0. 055	0. 214	0. 001107	Tcell1	IPO7
MLC1. 11	7. 42E-08	-0. 25604	0. 018	0. 151	0. 001109	Tcell1	MLC1
SPAG7. 2	7. 46E-08	-0. 26323	0. 241	0. 483	0. 001115	Tcell1	SPAG7
NOC2L. 11	7. 55E-08	-0. 17013	0. 123	0. 316	0. 001128	Tcell1	NOC2L
ZNF664. 11	7. 57E-08	-0. 2431	0. 018	0. 152	0. 001131	Tcell1	ZNF664
SLC36A4. 8	7. 57E-08	-0. 26741	0. 045	0. 196	0. 001131	Tcell1	SLC36A4
NAP1L1. 6	7. 61E-08	0. 238747	0. 641	0. 675	0. 001138	Tcell1	NAP1L1
SEZ6. 12	7. 64E-08	-0. 3674	0. 014	0. 141	0. 001142	Tcell1	SEZ6

PTPN6.14	7.64E-08	0.411294	0.282	0.16	0.001142	Tcell	PTPN6
DOCK4.9	7.90E-08	-0.37579	0.027	0.164	0.001181	Tcell	DOCK4
PRADC1.11	7.96E-08	-0.2788	0.064	0.219	0.00119	Tcell	PRADC1
APOD.11	7.97E-08	-0.71689	0.027	0.163	0.001191	Tcell	APOD
APC2.11	8.00E-08	-0.30098	0.018	0.15	0.001195	Tcell	APC2
RPF2.5	8.08E-08	-0.29089	0.068	0.23	0.001207	Tcell	RPF2
AC004158.8	8.12E-08	-0.33098	0.005	0.125	0.001214	Tcell	AC004158.3
SLC25A19.8	8.13E-08	-0.40855	0.032	0.171	0.001215	Tcell	SLC25A19
VKORC1L1.8	8.35E-08	-0.22297	0.009	0.134	0.001248	Tcell	VKORC1L1
RBBP7.10	8.44E-08	-0.28795	0.195	0.429	0.001261	Tcell	RBBP7
RAP2A.4	8.55E-08	-0.29646	0.009	0.134	0.001278	Tcell	RAP2A
PCMTD2.11	8.59E-08	-0.13446	0.064	0.23	0.001284	Tcell	PCMTD2
WBP4.9	8.72E-08	-0.25809	0.118	0.309	0.001303	Tcell	WBP4
ATF3.12	9.04E-08	-0.32857	0.123	0.306	0.00135	Tcell	ATF3
ZNF439.12	9.07E-08	-0.23727	0.018	0.15	0.001356	Tcell	ZNF439
ING2.8	9.22E-08	-0.26964	0.055	0.209	0.001377	Tcell	ING2
MARCH9.11	9.24E-08	-0.34915	0.023	0.157	0.001381	Tcell	9-Mar
PDLIM7.1C	9.29E-08	-0.22668	0.073	0.242	0.001388	Tcell	PDLIM7
FAM221A.1	9.30E-08	-0.31998	0.036	0.18	0.00139	Tcell	FAM221A
FAM222B.8	9.35E-08	-0.2503	0	0.115	0.001397	Tcell	FAM222B
BPGM.9	9.36E-08	-0.31004	0.073	0.237	0.001398	Tcell	BPGM
ETFB.7	9.44E-08	-0.18826	0.245	0.505	0.00141	Tcell	ETFB
ITSN1.5	9.53E-08	-0.32877	0.018	0.148	0.001424	Tcell	ITSN1
YIPF6.7	9.57E-08	-0.17804	0.118	0.317	0.001431	Tcell	YIPF6
FAM168B.8	9.61E-08	-0.25599	0.027	0.165	0.001436	Tcell	FAM168B
SIPAI1L2.5	9.64E-08	-0.3166	0.005	0.124	0.00144	Tcell	SIPAI1L2
KCNQ10T1.9	9.66E-08	-0.25704	0.1	0.282	0.001443	Tcell	KCNQ10T1
ETS2.14	9.90E-08	-0.4438	0.059	0.21	0.00148	Tcell	ETS2
ADORA1.1C	9.91E-08	-0.24601	0.005	0.124	0.001482	Tcell	ADORA1
KIDINS220.9	9.99E-08	-0.20251	0.091	0.272	0.001492	Tcell	KIDINS220
DNALI1.11	1.01E-07	-0.30026	0	0.115	0.001505	Tcell	DNALI1
CERCAM.11	1.01E-07	-0.29984	0.009	0.132	0.001512	Tcell	CERCAM
COLGALT2.1	1.01E-07	-0.2438	0.014	0.141	0.001516	Tcell	COLGALT2
ENDOG.9	1.02E-07	-0.17471	0.018	0.15	0.001523	Tcell	ENDOG
AEBP1.9	1.02E-07	-0.39504	0.005	0.124	0.001524	Tcell	AEBP1
CTTNBP2NL.1	1.02E-07	-0.29471	0.023	0.156	0.001525	Tcell	CTTNBP2NL
MRPS23.9	1.02E-07	-0.17681	0.159	0.37	0.001529	Tcell	MRPS23
ATP5S.3	1.03E-07	-0.32259	0.036	0.178	0.00154	Tcell	ATP5S
VBP1.10	1.03E-07	-0.22149	0.245	0.492	0.001544	Tcell	VBP1
TKT.8	1.03E-07	-0.26911	0.259	0.513	0.001546	Tcell	TKT
PPT1.11	1.04E-07	-0.22488	0.3	0.561	0.001549	Tcell	PPT1
PDDC1.8	1.04E-07	-0.2636	0.018	0.148	0.001557	Tcell	PDDC1
TREM1.13	1.04E-07	-0.58	0.032	0.166	0.001558	Tcell	TREM1
DRAXIN.13	1.06E-07	-0.28942	0.023	0.155	0.001582	Tcell	DRAXIN
CNTFR.11	1.06E-07	-0.28498	0.009	0.132	0.001591	Tcell	CNTFR
ZNF385A.1	1.07E-07	-0.33012	0.014	0.139	0.001602	Tcell	ZNF385A
FADS2.11	1.08E-07	-0.29267	0.014	0.139	0.001608	Tcell	FADS2
RNASEH1-AS1.1	1.08E-07	-0.22822	0.036	0.18	0.001609	Tcell	RNASEH1-AS1
LOXL1-AS1.1	1.08E-07	0.169308	0.036	0.006	0.001621	Tcell	LOXL1-AS1
LANCL2.12	1.09E-07	-0.37327	0.023	0.155	0.001629	Tcell	LANCL2
RRAGD.6	1.11E-07	-0.25525	0.009	0.132	0.001656	Tcell	RRAGD

STXBP1.9	1.11E-07	-0.282	0.005	0.123	0.001664	Tcell	STXBP1
UBE2D2.1C	1.11E-07	0.330034	0.582	0.588	0.001664	Tcell	UBE2D2
PSME2.10	1.12E-07	0.368591	0.577	0.557	0.001674	Tcell	PSME2
TSSC4.9	1.12E-07	-0.13003	0.123	0.315	0.001676	Tcell	TSSC4
TCTEX1D2.	1.12E-07	-0.23468	0.068	0.23	0.00168	Tcell	TCTEX1D2
MAFG.6	1.13E-07	-0.21735	0.041	0.187	0.001696	Tcell	MAFG
HNRNPAB.1	1.14E-07	-0.212	0.173	0.401	0.001697	Tcell	HNRNPAB
STAMPB.9	1.14E-07	-0.16999	0.091	0.269	0.001709	Tcell	STAMPB
TSPAN4.8	1.15E-07	-0.3482	0.041	0.183	0.00172	Tcell	TSPAN4
DICER1.4	1.15E-07	-0.19786	0.036	0.177	0.001721	Tcell	DICER1
GSTM4.8	1.15E-07	-0.28282	0.055	0.208	0.001721	Tcell	GSTM4
PJA1.10	1.16E-07	-0.27232	0.045	0.195	0.001738	Tcell	PJA1
CTTNBP2.1	1.17E-07	-0.3667	0.014	0.139	0.001743	Tcell	CTTNBP2
ZNF738.12	1.20E-07	-0.31782	0.018	0.146	0.001788	Tcell	ZNF738
HSPA13.12	1.20E-07	-0.25249	0.05	0.203	0.001791	Tcell	HSPA13
MFGE8.10	1.21E-07	-0.23677	0.045	0.193	0.001808	Tcell	MFGE8
ARHGEF40.	1.21E-07	-0.33875	0.009	0.131	0.001808	Tcell	ARHGEF40
KDSR.2	1.21E-07	-0.23767	0.086	0.257	0.001815	Tcell	KDSR
ACSS3.11	1.23E-07	-0.24369	0	0.114	0.001833	Tcell	ACSS3
CSTA.14	1.23E-07	-0.3456	0.009	0.131	0.001842	Tcell	CSTA
TIMM10.7	1.24E-07	-0.22363	0.155	0.358	0.001849	Tcell	TIMM10
FAHD1.6	1.24E-07	-0.25595	0.036	0.178	0.001853	Tcell	FAHD1
CLPTM1.4	1.25E-07	-0.18318	0.141	0.349	0.001872	Tcell	CLPTM1
APC.12	1.28E-07	-0.2407	0.059	0.216	0.001907	Tcell	APC
CMPK1.6	1.28E-07	0.533722	0.459	0.415	0.001907	Tcell	CMPK1
ANKS3.9	1.28E-07	-0.19388	0.032	0.171	0.001911	Tcell	ANKS3
WNK3.10	1.28E-07	-0.2736	0.005	0.122	0.001918	Tcell	WNK3
CCDC43.7	1.28E-07	-0.24944	0.05	0.202	0.001918	Tcell	CCDC43
SEZ6L.12	1.30E-07	-0.36044	0.014	0.137	0.001936	Tcell	SEZ6L
CCT2.8	1.30E-07	-0.31946	0.291	0.55	0.001946	Tcell	CCT2
TSMF.11	1.31E-07	-0.32714	0.105	0.279	0.001954	Tcell	TSMF
COL4A2.1C	1.31E-07	-0.2194	0.009	0.131	0.001956	Tcell	COL4A2
C2orf80.1	1.33E-07	-0.33872	0.005	0.121	0.001988	Tcell	C2orf80
KLRG1	1.34E-07	0.399713	0.095	0.033	0.001997	Tcell	KLRG1
GPATCH2L.	1.35E-07	-0.17049	0.064	0.226	0.00201	Tcell	GPATCH2L
PNKD.9	1.36E-07	-0.13102	0.223	0.461	0.002027	Tcell	PNKD
PPAT.11	1.36E-07	-0.25392	0.018	0.146	0.002029	Tcell	PPAT
RFTN2.12	1.36E-07	-0.36572	0.009	0.13	0.002031	Tcell	RFTN2
PDAP1.10	1.36E-07	-0.27279	0.282	0.54	0.002035	Tcell	PDAP1
AGAP1.11	1.38E-07	-0.27166	0.005	0.122	0.002057	Tcell	AGAP1
ZNF385D.1	1.39E-07	-0.27775	0	0.113	0.002074	Tcell	ZNF385D
TPSAB1.7	1.39E-07	0.41379	0.073	0.021	0.002082	Tcell	TPSAB1
NUP214.13	1.39E-07	-0.37524	0.05	0.198	0.002084	Tcell	NUP214
CISD1.10	1.40E-07	-0.32483	0.145	0.34	0.002092	Tcell	CISD1
BCAP31.8	1.40E-07	-0.1798	0.332	0.624	0.002094	Tcell	BCAP31
CLEC7A.14	1.40E-07	-0.52501	0.041	0.178	0.002096	Tcell	CLEC7A
PRTFDC1.9	1.41E-07	-0.35434	0.014	0.137	0.002101	Tcell	PRTFDC1
RHOU.9	1.42E-07	-0.37026	0.014	0.137	0.002117	Tcell	RHOU
LINC00667	1.42E-07	-0.25221	0.077	0.247	0.002121	Tcell	LINC00667
UPF3B.10	1.43E-07	-0.28194	0.086	0.254	0.002131	Tcell	UPF3B
CDC42EP1.	1.44E-07	-0.26733	0.009	0.13	0.002157	Tcell	CDC42EP1



NXPH1.13	1.45E-07	-0.31183	0.014	0.138	0.002166	Tcell	NXPH1
TMOD2.6	1.46E-07	-0.28286	0	0.112	0.002179	Tcell	TMOD2
H2AFY.10	1.46E-07	-0.22213	0.323	0.613	0.002182	Tcell	H2AFY
TP53I13.1	1.47E-07	-0.16936	0.077	0.248	0.00219	Tcell	TP53I13
ARHGAP24.	1.49E-07	-0.52365	0.023	0.151	0.00222	Tcell	ARHGAP24
KLF4.14	1.49E-07	-0.42168	0.059	0.209	0.002221	Tcell	KLF4
BEND6.11	1.51E-07	-0.23445	0.005	0.121	0.002251	Tcell	BEND6
HM13.5	1.51E-07	-0.23465	0.232	0.479	0.002263	Tcell	HM13
FAM168A.7	1.52E-07	-0.22137	0.009	0.129	0.002274	Tcell	FAM168A
ARF3.7	1.54E-07	-0.1824	0.168	0.382	0.002299	Tcell	ARF3
ROMO1.7	1.54E-07	-0.32519	0.323	0.6	0.002304	Tcell	ROMO1
FASTK.9	1.54E-07	-0.18937	0.141	0.341	0.002306	Tcell	FASTK
TMEM63B.6	1.55E-07	-0.20811	0.014	0.138	0.00231	Tcell	TMEM63B
ITFG1.8	1.56E-07	-0.16393	0.145	0.352	0.002338	Tcell	ITFG1
MSRB1.6	1.58E-07	-0.19189	0.064	0.223	0.002354	Tcell	MSRB1
TSR1.9	1.58E-07	-0.21618	0.045	0.192	0.002358	Tcell	TSR1
CNIH3.11	1.58E-07	-0.21073	0.032	0.171	0.002368	Tcell	CNIH3
EIF2AK4.7	1.59E-07	-0.24984	0.041	0.184	0.002369	Tcell	EIF2AK4
TMEM178A.	1.59E-07	-0.2841	0.005	0.12	0.002375	Tcell	TMEM178A
GNAI3.6	1.59E-07	-0.21459	0.177	0.397	0.002383	Tcell	GNAI3
MKLN1.8	1.60E-07	-0.29192	0.073	0.233	0.002384	Tcell	MKLN1
ARL13B.9	1.60E-07	-0.3192	0.018	0.145	0.002394	Tcell	ARL13B
TNFAIP6.1	1.61E-07	-0.49462	0	0.112	0.002404	Tcell	TNFAIP6
TPM1.10	1.62E-07	-0.18943	0.082	0.255	0.002418	Tcell	TPM1
ARHGAP4.1	1.62E-07	0.437753	0.218	0.114	0.002424	Tcell	ARHGAP4
CCT7.10	1.65E-07	-0.25321	0.264	0.535	0.002459	Tcell	CCT7
PSMD14.1C	1.65E-07	-0.32384	0.232	0.472	0.002465	Tcell	PSMD14
CTBP2.1	1.66E-07	-0.1997	0.018	0.146	0.002483	Tcell	CTBP2
RRAGC.4	1.67E-07	-0.16006	0.082	0.25	0.002503	Tcell	RRAGC
ESF1.9	1.68E-07	-0.20557	0.145	0.349	0.002507	Tcell	ESF1
IGSF6.14	1.68E-07	-0.4761	0.027	0.156	0.002511	Tcell	IGSF6
LSM3.4	1.71E-07	-0.24471	0.291	0.565	0.002554	Tcell	LSM3
TYRO3.11	1.71E-07	-0.27987	0	0.111	0.002556	Tcell	TYRO3
TXNL4A.8	1.71E-07	-0.19676	0.186	0.415	0.002557	Tcell	TXNL4A
C12orf43.	1.71E-07	-0.28643	0.027	0.159	0.002558	Tcell	C12orf43
DDX42.9	1.71E-07	-0.22722	0.064	0.221	0.002562	Tcell	DDX42
ATG2A.3	1.72E-07	0.606699	0.159	0.074	0.002572	Tcell	ATG2A
CERS6.9	1.74E-07	-0.27713	0.009	0.129	0.002601	Tcell	CERS6
ASB8.8	1.74E-07	-0.21585	0.064	0.22	0.002606	Tcell	ASB8
NDUFS7.3	1.75E-07	-0.27125	0.345	0.623	0.002618	Tcell	NDUFS7
EPS8.6	1.76E-07	-0.34324	0.009	0.128	0.002624	Tcell	EPS8
C20orf194	1.76E-07	-0.27802	0.014	0.137	0.002632	Tcell	C20orf194
CBY1.9	1.76E-07	-0.22026	0.027	0.162	0.002634	Tcell	CBY1
MOCS2.9	1.77E-07	-0.3038	0.095	0.266	0.002642	Tcell	MOCS2
PRPF19.4	1.77E-07	-0.22946	0.086	0.257	0.002644	Tcell	PRPF19
MSANTD4.7	1.77E-07	-0.2892	0.009	0.127	0.002651	Tcell	MSANTD4
DOLK.8	1.78E-07	-0.26156	0.009	0.128	0.002666	Tcell	DOLK
METTL2B.6	1.79E-07	-0.22235	0.05	0.201	0.002668	Tcell	METTL2B
SSR2.6	1.80E-07	0.21528	0.682	0.714	0.002684	Tcell	SSR2
PPIL1.9	1.80E-07	-0.21881	0.05	0.197	0.002687	Tcell	PPIL1
MAPKAP1.6	1.80E-07	-0.12833	0.082	0.253	0.002691	Tcell	MAPKAP1

CAMTA1.6	1.82E-07	-0.18094	0.209	0.454	0.002722	Tcell	CAMTA1
ZNF205.7	1.84E-07	-0.2639	0	0.111	0.002751	Tcell	ZNF205
RBM47.13	1.85E-07	-0.37048	0.005	0.119	0.002767	Tcell	RBM47
TOLLIP.3	1.85E-07	-0.2337	0.095	0.269	0.00277	Tcell	TOLLIP
RAB3A.12	1.88E-07	-0.34047	0.032	0.166	0.002806	Tcell	RAB3A
RP4-665J2	1.88E-07	-0.2786	0.009	0.128	0.002808	Tcell	RP4-665J23.1
OLFM1.12	1.90E-07	-0.24352	0.023	0.153	0.002833	Tcell	OLFM1
SHD.12	1.90E-07	-0.37334	0.009	0.128	0.002843	Tcell	SHD
NACC1.7	1.91E-07	-0.15008	0.023	0.153	0.002855	Tcell	NACC1
MERTK.12	1.91E-07	-0.44436	0.009	0.127	0.002861	Tcell	MERTK
PID1.9	1.92E-07	-0.32287	0.005	0.119	0.002873	Tcell	PID1
TANC1.12	1.93E-07	-0.25101	0	0.11	0.00289	Tcell	TANC1
SCO1.6	1.94E-07	-0.21305	0.032	0.169	0.002898	Tcell	SCO1
SPG21.10	1.95E-07	-0.2017	0.173	0.389	0.002921	Tcell	SPG21
TIMP3.10	1.97E-07	-0.28878	0.009	0.128	0.002944	Tcell	TIMP3
TRIP11.3	2.00E-07	-0.21108	0.045	0.192	0.002987	Tcell	TRIP11
TATDN3.3	2.02E-07	-0.33255	0.027	0.156	0.003018	Tcell	TATDN3
ARSJ.12	2.03E-07	-0.2675	0.009	0.127	0.003032	Tcell	ARSJ
TIA1.14	2.04E-07	-0.11307	0.082	0.251	0.003055	Tcell	TIA1
FILIP1L.1	2.05E-07	-0.24667	0.023	0.152	0.003065	Tcell	FILIP1L
IGF2BP3.1	2.06E-07	-0.23887	0	0.11	0.003073	Tcell	IGF2BP3
HEXA.12	2.06E-07	-0.23023	0.177	0.393	0.003083	Tcell	HEXA
FGD4.13	2.07E-07	-0.4316	0.023	0.149	0.003094	Tcell	FGD4
RAB5C.8	2.07E-07	-0.28859	0.364	0.658	0.003095	Tcell	RAB5C
APOA1BP.7	2.07E-07	-0.16555	0.168	0.379	0.003096	Tcell	APOA1BP
COPS3.7	2.08E-07	-0.23141	0.168	0.372	0.003113	Tcell	COPS3
SLC35A5.7	2.08E-07	-0.26348	0.045	0.189	0.003115	Tcell	SLC35A5
LINC01094	2.10E-07	-0.4941	0.027	0.156	0.003135	Tcell	LINC01094
AKAP11.7	2.10E-07	-0.19873	0.023	0.152	0.003142	Tcell	AKAP11
GALNT2.7	2.10E-07	-0.25881	0.082	0.247	0.003145	Tcell	GALNT2
IL17RC.7	2.11E-07	-0.23653	0.005	0.119	0.003157	Tcell	IL17RC
SLC25A23.	2.15E-07	-0.20809	0.014	0.136	0.003207	Tcell	SLC25A23
TBXAS1.14	2.15E-07	-0.47507	0.091	0.244	0.003209	Tcell	TBXAS1
ZHX1.11	2.15E-07	-0.25032	0.059	0.212	0.003217	Tcell	ZHX1
DHRX.7	2.16E-07	-0.16243	0.073	0.236	0.003231	Tcell	DHRX
PHLDB1.1C	2.17E-07	-0.21728	0.018	0.144	0.00324	Tcell	PHLDB1
NSRP1.6	2.20E-07	-0.1544	0.15	0.36	0.003289	Tcell	NSRP1
RRP1.8	2.20E-07	-0.15246	0.059	0.213	0.00329	Tcell	RRP1
UFSP2.3	2.21E-07	-0.17129	0.064	0.219	0.003299	Tcell	UFSP2
RPP14.7	2.21E-07	-0.22349	0.045	0.19	0.003307	Tcell	RPP14
COPS4.5	2.22E-07	-0.23233	0.136	0.328	0.003313	Tcell	COPS4
LPIN1.7	2.22E-07	0.69096	0.232	0.135	0.003323	Tcell	LPIN1
LPCAT2.14	2.24E-07	-0.41992	0.023	0.15	0.003345	Tcell	LPCAT2
HCK.14	2.26E-07	-0.48176	0.036	0.17	0.003376	Tcell	HCK
POLDIP2.1	2.29E-07	-0.21275	0.15	0.351	0.003426	Tcell	POLDIP2
NUDT16.14	2.30E-07	-0.31196	0.068	0.222	0.003434	Tcell	NUDT16
DLX5.13	2.34E-07	-0.60306	0.023	0.146	0.003491	Tcell	DLX5
CD38.2	2.34E-07	0.261115	0.068	0.019	0.003502	Tcell	CD38
PDGFRA.13	2.34E-07	-0.31315	0.023	0.151	0.003504	Tcell	PDGFRA
FUCA1.11	2.35E-07	-0.31422	0.068	0.223	0.003506	Tcell	FUCA1
THUMP3.8	2.35E-07	-0.25605	0.05	0.196	0.003507	Tcell	THUMP3

SUN2.9	2.35E-07	0.561678	0.318	0.217	0.003517	Tcell	SUN2
VMP1.7	2.36E-07	-0.20347	0.232	0.476	0.003531	Tcell	VMP1
CBR4.9	2.38E-07	-0.20133	0.045	0.191	0.00355	Tcell	CBR4
ACSL1.13	2.40E-07	-0.4748	0.082	0.23	0.003591	Tcell	ACSL1
SOX12.12	2.40E-07	-0.23309	0.005	0.118	0.003593	Tcell	SOX12
NARS.4	2.41E-07	-0.28347	0.214	0.441	0.003606	Tcell	NARS
OLFM2.10	2.42E-07	-0.3098	0.05	0.194	0.003611	Tcell	OLFM2
NDUFS1.1C	2.43E-07	-0.17565	0.086	0.258	0.003628	Tcell	NDUFS1
SEC11C.8	2.46E-07	-0.2781	0.255	0.502	0.003673	Tcell	SEC11C
RTKN.12	2.50E-07	-0.26742	0.036	0.173	0.003729	Tcell	RTKN
HHLA3.8	2.50E-07	-0.34955	0.018	0.142	0.003731	Tcell	HHLA3
SH3RF1.9	2.50E-07	-0.2537	0	0.109	0.003737	Tcell	SH3RF1
C8orf82.1	2.51E-07	-0.21311	0.036	0.174	0.003745	Tcell	C8orf82
SLC35B4.8	2.51E-07	-0.23578	0.05	0.194	0.003749	Tcell	SLC35B4
TRAPPC3.5	2.51E-07	-0.23766	0.209	0.442	0.003758	Tcell	TRAPPC3
PTX3.11	2.53E-07	-0.3252	0.005	0.117	0.003776	Tcell	PTX3
NIPA2.9	2.53E-07	-0.17721	0.095	0.268	0.003788	Tcell	NIPA2
NUPL2.9	2.55E-07	-0.25292	0.105	0.271	0.003816	Tcell	NUPL2
FKBP1B.7	2.56E-07	-0.27537	0.009	0.124	0.003823	Tcell	FKBP1B
PPF1BP1.1	2.58E-07	-0.23735	0.027	0.158	0.003855	Tcell	PPF1BP1
KHSRP.11	2.58E-07	-0.1876	0.077	0.241	0.003859	Tcell	KHSRP
MBD3.7	2.59E-07	-0.16985	0.032	0.166	0.003869	Tcell	MBD3
BFAR.3	2.60E-07	-0.25932	0.073	0.231	0.003878	Tcell	BFAR
RBM39.7	2.60E-07	0.291727	0.618	0.655	0.003879	Tcell	RBM39
MGRN1.8	2.60E-07	-0.19239	0.059	0.211	0.003886	Tcell	MGRN1
ERV3-1.13	2.61E-07	-0.28075	0.095	0.264	0.003905	Tcell	ERV3-1
PGM1.9	2.63E-07	-0.21674	0.086	0.254	0.003923	Tcell	PGM1
AC004540.2	2.66E-07	-0.39415	0.009	0.125	0.003969	Tcell	AC004540.4
TERF2IP.1	2.71E-07	0.41174	0.55	0.517	0.004053	Tcell	TERF2IP
ZC3H15.6	2.72E-07	-0.23066	0.259	0.508	0.004058	Tcell	ZC3H15
STMN2.14	2.73E-07	-0.66905	0.055	0.189	0.004082	Tcell	STMN2
C4orf27.9	2.73E-07	-0.16408	0.132	0.322	0.004086	Tcell	C4orf27
ANAPC10.4	2.75E-07	-0.30005	0.041	0.179	0.004106	Tcell	ANAPC10
S100A9.14	2.75E-07	-0.40881	0.077	0.227	0.00411	Tcell	S100A9
AQP4.11	2.79E-07	-0.49327	0.036	0.168	0.004167	Tcell	AQP4
SSPN.6	2.79E-07	-0.32872	0	0.108	0.004172	Tcell	SSPN
PIK3C2A.4	2.81E-07	-0.17645	0.018	0.142	0.004198	Tcell	PIK3C2A
KCNMB4.1C	2.81E-07	-0.26883	0.009	0.125	0.004199	Tcell	KCNMB4
HYI.6	2.83E-07	-0.26178	0.018	0.141	0.004234	Tcell	HYI
CUEDC1.9	2.84E-07	-0.23454	0.005	0.117	0.00425	Tcell	CUEDC1
DDX24.3	2.85E-07	0.49516	0.509	0.481	0.004257	Tcell	DDX24
TRUB2.7	2.86E-07	-0.28606	0.064	0.215	0.004274	Tcell	TRUB2
TMEM128.6	2.87E-07	-0.18012	0.114	0.295	0.004295	Tcell	TMEM128
GMFB.1	2.88E-07	-0.22499	0.059	0.212	0.004299	Tcell	GMFB
ATP2C1.3	2.89E-07	-0.27204	0.073	0.226	0.004314	Tcell	ATP2C1
HIST1H2AC	2.91E-07	-0.43746	0.036	0.169	0.004341	Tcell	HIST1H2AC
CTNNA1.1	2.92E-07	-0.24343	0.023	0.149	0.004367	Tcell	CTNNA1
EXTL3.9	2.93E-07	-0.21688	0.014	0.134	0.00438	Tcell	EXTL3
NLGN4X.12	2.93E-07	-0.25328	0	0.107	0.004381	Tcell	NLGN4X
NRIP1.7	2.94E-07	-0.24556	0.009	0.125	0.004388	Tcell	NRIP1
CD163.14	2.96E-07	-0.49254	0.114	0.279	0.004418	Tcell	CD163

DAB2.13	2.96E-07	-0.50796	0.027	0.152	0.004425	Tcell	DAB2
COL6A2.13	2.97E-07	-0.32319	0.032	0.165	0.004441	Tcell	COL6A2
ZNF330.6	3.00E-07	-0.29887	0.068	0.219	0.004483	Tcell	ZNF330
EIF6.5	3.01E-07	-0.26277	0.273	0.526	0.004497	Tcell	EIF6
FUNDC2.6	3.01E-07	-0.19481	0.186	0.407	0.004497	Tcell	FUNDC2
NDUF4F4.7	3.08E-07	-0.23793	0.068	0.224	0.004602	Tcell	NDUF4F4
MCRS1.8	3.09E-07	-0.18828	0.1	0.273	0.004616	Tcell	MCRS1
PDXK.12	3.12E-07	-0.24141	0.114	0.288	0.004669	Tcell	PDXK
AKT1.4	3.15E-07	-0.23093	0.023	0.149	0.004709	Tcell	AKT1
KLHL23.12	3.15E-07	-0.2721	0.032	0.163	0.004711	Tcell	KLHL23
KLHDC10.6	3.15E-07	-0.24966	0.014	0.132	0.004712	Tcell	KLHDC10
TNFRSF19.3	3.15E-07	-0.22308	0	0.107	0.004714	Tcell	TNFRSF19
RAB5B.5	3.16E-07	-0.13568	0.064	0.217	0.004728	Tcell	RAB5B
CAMK2B.1C	3.17E-07	-0.29578	0.005	0.116	0.004741	Tcell	CAMK2B
PDK4.13	3.17E-07	-0.52471	0.041	0.172	0.004741	Tcell	PDK4
DCTN1.8	3.18E-07	-0.19468	0.064	0.219	0.00475	Tcell	DCTN1
HIST2H2BE	3.18E-07	-0.2643	0.023	0.149	0.004752	Tcell	HIST2H2BE
DVL3.8	3.18E-07	-0.2087	0.027	0.156	0.004754	Tcell	DVL3
FSTL1.10	3.20E-07	-0.22836	0.005	0.116	0.004777	Tcell	FSTL1
TPPP3.12	3.23E-07	-0.36375	0.027	0.156	0.00482	Tcell	TPPP3
ZDHHC7.5	3.23E-07	-0.23903	0.023	0.149	0.004824	Tcell	ZDHHC7
TPRA1.4	3.23E-07	-0.22412	0.032	0.164	0.00483	Tcell	TPRA1
CEND1.9	3.24E-07	-0.23085	0.018	0.141	0.004835	Tcell	CEND1
KCNE4.10	3.27E-07	-0.25203	0	0.107	0.004889	Tcell	KCNE4
BEND5.10	3.37E-07	-0.31192	0.018	0.139	0.005029	Tcell	BEND5
ARMCX2.8	3.40E-07	-0.24993	0.023	0.149	0.005081	Tcell	ARMCX2
BLVRA.12	3.41E-07	-0.35101	0.155	0.343	0.005098	Tcell	BLVRA
IRAK1.8	3.42E-07	-0.31509	0.032	0.161	0.005106	Tcell	IRAK1
DCAKD.11	3.42E-07	-0.21492	0.018	0.141	0.005111	Tcell	DCAKD
HDAC5.6	3.44E-07	-0.17123	0.036	0.172	0.005143	Tcell	HDAC5
FBXO21.9	3.44E-07	-0.11807	0.123	0.312	0.005148	Tcell	FBXO21
TRIB1.8	3.46E-07	-0.41915	0.032	0.159	0.005174	Tcell	TRIB1
RNF166.1C	3.47E-07	0.666337	0.282	0.183	0.005189	Tcell	RNF166
DYNC1I2.8	3.47E-07	-0.1551	0.227	0.474	0.005189	Tcell	DYNC1I2
CNIH2.13	3.51E-07	-0.21731	0.014	0.132	0.005248	Tcell	CNIH2
ARL4A.3	3.52E-07	-0.29586	0.177	0.378	0.005264	Tcell	ARL4A
RNF40.5	3.53E-07	-0.22868	0.041	0.178	0.005269	Tcell	RNF40
KIF3B.12	3.53E-07	-0.18963	0.014	0.132	0.005278	Tcell	KIF3B
PRKRIP1.1	3.56E-07	-0.14512	0.082	0.244	0.005319	Tcell	PRKRIP1
PALM.10	3.56E-07	-0.23883	0	0.106	0.005325	Tcell	PALM
ARL9.12	3.56E-07	-0.24692	0	0.106	0.005325	Tcell	ARL9
SLC4A1AP.3	3.57E-07	-0.24837	0.041	0.178	0.005333	Tcell	SLC4A1AP
POU2F1.9	3.61E-07	-0.26795	0.032	0.163	0.005391	Tcell	POU2F1
CHST12.9	3.64E-07	0.696308	0.332	0.244	0.005436	Tcell	CHST12
APBB2.11	3.66E-07	-0.28102	0.005	0.115	0.005465	Tcell	APBB2
TFG.7	3.66E-07	-0.19279	0.191	0.412	0.005471	Tcell	TFG
TM4SF1.14	3.66E-07	-0.32815	0.005	0.115	0.005472	Tcell	TM4SF1
ALG14.6	3.70E-07	-0.31475	0.027	0.154	0.005534	Tcell	ALG14
ATP6V1D.4	3.71E-07	-0.10217	0.168	0.374	0.005545	Tcell	ATP6V1D
NEIL2.10	3.74E-07	-0.16199	0.055	0.201	0.005593	Tcell	NEIL2
RBMX2.6	3.77E-07	-0.18329	0.077	0.238	0.005632	Tcell	RBMX2

GLOD4.7	3.77E-07	-0.19798	0.177	0.393	0.005632	Tcell	GLOD4
GDAP1.12	3.78E-07	-0.33129	0.027	0.154	0.005653	Tcell	GDAP1
IDH3B.4	3.79E-07	-0.15885	0.205	0.428	0.005656	Tcell	IDH3B
WDR13.5	3.85E-07	-0.17985	0.109	0.289	0.005749	Tcell	WDR13
TCEAL5.11	3.85E-07	-0.38997	0.009	0.123	0.005758	Tcell	TCEAL5
CSK.13	3.87E-07	0.566673	0.245	0.145	0.005789	Tcell	CSK
TMEM51.1C	3.90E-07	-0.34182	0.009	0.121	0.005826	Tcell	TMEM51
ATF5.10	3.90E-07	-0.33604	0.055	0.196	0.005827	Tcell	ATF5
FBXL12.2	3.92E-07	-0.17785	0.027	0.156	0.00586	Tcell	FBXL12
C1QC.14	3.94E-07	-0.39787	0.305	0.505	0.005892	Tcell	C1QC
SLC12A9.8	3.95E-07	-0.2108	0.059	0.204	0.005896	Tcell	SLC12A9
INPP1.8	3.97E-07	-0.25607	0.027	0.154	0.005926	Tcell	INPP1
PAK1IP1.8	3.97E-07	-0.25103	0.068	0.218	0.005935	Tcell	PAK1IP1
TMEM19.8	3.99E-07	-0.27157	0.027	0.155	0.00596	Tcell	TMEM19
MMP16.12	4.02E-07	-0.2499	0	0.105	0.006014	Tcell	MMP16
MTX1.4	4.04E-07	-0.26562	0.086	0.249	0.006037	Tcell	MTX1
UBTD1.8	4.05E-07	-0.24469	0.005	0.114	0.006045	Tcell	UBTD1
GOLGA2.4	4.06E-07	-0.21601	0.059	0.208	0.006065	Tcell	GOLGA2
ZNF428.14	4.06E-07	-0.24095	0.291	0.549	0.006073	Tcell	ZNF428
ENDOD1.12	4.07E-07	-0.26111	0.023	0.146	0.006078	Tcell	ENDOD1
NHSL1.5	4.07E-07	-0.2938	0	0.105	0.006087	Tcell	NHSL1
LYZ.14	4.08E-07	-0.401	0.064	0.209	0.006097	Tcell	LYZ
RRP15.6	4.08E-07	-0.245	0.068	0.223	0.006101	Tcell	RRP15
RP11-410L	4.08E-07	-0.24506	0.014	0.13	0.006102	Tcell	RP11-410L14.2
SNRNP27.8	4.09E-07	-0.13715	0.155	0.356	0.006114	Tcell	SNRNP27
SLC2A5.14	4.11E-07	-0.53885	0.041	0.173	0.006135	Tcell	SLC2A5
SLC27A1.8	4.14E-07	-0.20045	0.032	0.162	0.006181	Tcell	SLC27A1
HIPK2.11	4.16E-07	-0.16449	0.068	0.224	0.006209	Tcell	HIPK2
NTM.11	4.16E-07	-0.41883	0.005	0.113	0.00621	Tcell	NTM
TMC6.14	4.20E-07	0.448278	0.209	0.109	0.006282	Tcell	TMC6
SLC25A33.4	4.21E-07	-0.1601	0.068	0.221	0.006289	Tcell	SLC25A33
CHMP1A.6	4.22E-07	-0.22177	0.105	0.277	0.006308	Tcell	CHMP1A
C14orf37.4	4.24E-07	-0.28037	0.005	0.114	0.006332	Tcell	C14orf37
CAMLG.11	4.25E-07	-0.22644	0.255	0.498	0.006354	Tcell	CAMLG
DUS3L.6	4.31E-07	-0.24857	0.023	0.145	0.006439	Tcell	DUS3L
CAPN2.8	4.33E-07	0.634491	0.336	0.251	0.006467	Tcell	CAPN2
RARRES2.1	4.36E-07	-0.57623	0.027	0.152	0.006514	Tcell	RARRES2
LAMA5.9	4.42E-07	-0.1933	0.005	0.113	0.006601	Tcell	LAMA5
LAMC1.9	4.44E-07	-0.20986	0	0.104	0.006628	Tcell	LAMC1
P4HA1.7	4.46E-07	-0.23829	0.073	0.227	0.00666	Tcell	P4HA1
IRF2BPL.1	4.47E-07	-0.19772	0.082	0.245	0.006676	Tcell	IRF2BPL
MTMR4.10	4.47E-07	-0.20191	0.032	0.163	0.006678	Tcell	MTMR4
MTHFD1L.1	4.48E-07	-0.28048	0.018	0.138	0.006688	Tcell	MTHFD1L
LHFPL3.14	4.48E-07	-0.30678	0.009	0.122	0.006692	Tcell	LHFPL3
TBC1D9B.6	4.48E-07	-0.22156	0.032	0.162	0.006694	Tcell	TBC1D9B
DZIP1.10	4.49E-07	-0.21664	0	0.104	0.006709	Tcell	DZIP1
BID.9	4.49E-07	-0.20199	0.164	0.36	0.006712	Tcell	BID
PINK1.8	4.51E-07	-0.14488	0.059	0.21	0.006745	Tcell	PINK1
RIN2.8	4.53E-07	-0.39717	0.014	0.128	0.006769	Tcell	RIN2
TMEM255A.4	4.54E-07	-0.25328	0	0.104	0.006791	Tcell	TMEM255A
ZHX3.8	4.59E-07	-0.24203	0.009	0.122	0.006855	Tcell	ZHX3

STRA13.6	4.59E-07	-0.25807	0.227	0.455	0.006857	Tcell	STRA13
MAD2L2.11	4.65E-07	-0.2298	0.186	0.396	0.006949	Tcell	MAD2L2
BZW2.9	4.66E-07	-0.23564	0.105	0.273	0.006963	Tcell	BZW2
GLB1.11	4.68E-07	-0.24075	0.086	0.248	0.00699	Tcell	GLB1
IFI27L1.1	4.70E-07	-0.32006	0.05	0.188	0.007021	Tcell	IFI27L1
DIP2B.6	4.76E-07	-0.26768	0.009	0.121	0.007108	Tcell	DIP2B
ZC3H14.9	4.80E-07	-0.2497	0.059	0.206	0.007169	Tcell	ZC3H14
COL4A1.1C	4.80E-07	-0.22344	0.005	0.113	0.007179	Tcell	COL4A1
GOLGA8B.5	4.82E-07	0.615627	0.118	0.049	0.007208	Tcell	GOLGA8B
TMEM9B.4	4.83E-07	-0.21518	0.277	0.541	0.007212	Tcell	TMEM9B
GSTZ1.5	4.85E-07	-0.30613	0.032	0.16	0.007246	Tcell	GSTZ1
SLC25A13.4	4.88E-07	-0.29432	0.014	0.129	0.00729	Tcell	SLC25A13
PALD1.13	4.89E-07	-0.42888	0	0.104	0.007304	Tcell	PALD1
KLF10.8	4.89E-07	-0.26903	0.082	0.236	0.007305	Tcell	KLF10
VIMP.6	4.89E-07	-0.19527	0.227	0.461	0.007308	Tcell	VIMP
BRD7.10	4.90E-07	-0.1526	0.091	0.257	0.007323	Tcell	BRD7
LINC00511.4	4.93E-07	-0.23904	0.009	0.121	0.007361	Tcell	LINC00511
CCDC130.8	4.93E-07	-0.14893	0.073	0.231	0.007373	Tcell	CCDC130
PPP2R4.5	4.98E-07	-0.23252	0.082	0.239	0.007438	Tcell	PPP2R4
TMEM167A.5	5.01E-07	-0.2402	0.209	0.425	0.007493	Tcell	TMEM167A
RNF213.13	5.02E-07	0.561807	0.35	0.259	0.007502	Tcell	RNF213
HDAC2.12	5.07E-07	-0.12665	0.223	0.452	0.007574	Tcell	HDAC2
C4orf32.2	5.10E-07	0.388936	0.059	0.016	0.007623	Tcell	C4orf32
SULF2.7	5.14E-07	-0.19765	0.032	0.162	0.007676	Tcell	SULF2
IFRD2.5	5.21E-07	-0.12151	0.064	0.211	0.007789	Tcell	IFRD2
TBC1D16.5	5.21E-07	-0.29344	0.018	0.136	0.00779	Tcell	TBC1D16
SYNE2.13	5.23E-07	0.634066	0.268	0.172	0.007818	Tcell	SYNE2
TM6SF1.14	5.23E-07	-0.56112	0.036	0.161	0.007821	Tcell	TM6SF1
KCTD6.5	5.23E-07	-0.26649	0.009	0.119	0.007821	Tcell	KCTD6
ORAI2.8	5.23E-07	-0.14235	0.105	0.28	0.007823	Tcell	ORAI2
MAP1S.4	5.25E-07	-0.25132	0.041	0.174	0.007846	Tcell	MAP1S
JPX.2	5.28E-07	-0.24368	0.095	0.26	0.007884	Tcell	JPX
EPDR1.8	5.31E-07	-0.2231	0.014	0.129	0.007938	Tcell	EPDR1
TEX261.8	5.32E-07	-0.19256	0.036	0.168	0.007945	Tcell	TEX261
TMEM218.6	5.32E-07	-0.26024	0.073	0.224	0.007951	Tcell	TMEM218
TRPT1.5	5.36E-07	-0.2076	0.073	0.226	0.008003	Tcell	TRPT1
CSF3R.13	5.42E-07	-0.50962	0.032	0.155	0.008106	Tcell	CSF3R
MGST1.11	5.45E-07	-0.83641	0.027	0.147	0.008142	Tcell	MGST1
TUSC2.8	5.45E-07	-0.13094	0.141	0.339	0.008148	Tcell	TUSC2
RNASEH1.1	5.46E-07	-0.22	0.077	0.232	0.008158	Tcell	RNASEH1
ATP5G1.4	5.48E-07	-0.23741	0.341	0.623	0.008187	Tcell	ATP5G1
COX20.9	5.49E-07	-0.19097	0.236	0.464	0.008204	Tcell	COX20
ALG3.6	5.52E-07	-0.19821	0.077	0.235	0.008248	Tcell	ALG3
IMPAD1.7	5.55E-07	-0.19516	0.05	0.189	0.008301	Tcell	IMPAD1
HMG20B.7	5.59E-07	-0.12895	0.145	0.34	0.008358	Tcell	HMG20B
ACADVL.9	5.60E-07	-0.17482	0.227	0.455	0.008364	Tcell	ACADVL
CDK19.6	5.60E-07	-0.29462	0.014	0.128	0.008368	Tcell	CDK19
RNASEH2A.5	5.62E-07	-0.28103	0.068	0.214	0.008399	Tcell	RNASEH2A
PHB2.4	5.66E-07	-0.18633	0.209	0.447	0.008456	Tcell	PHB2
GOSR2.4	5.66E-07	-0.27625	0.05	0.188	0.008461	Tcell	GOSR2
ZNF394.5	5.73E-07	0.632005	0.236	0.14	0.008557	Tcell	ZNF394

SEL1L.7	5.75E-07	-0.23494	0.041	0.176	0.008586	Tcell	SEL1L
SNX24.4	5.78E-07	-0.2569	0.014	0.128	0.008634	Tcell	SNX24
CORO2B.9	5.79E-07	-0.24141	0	0.103	0.008655	Tcell	CORO2B
GDAP1L1.1	5.79E-07	-0.37451	0	0.103	0.008655	Tcell	GDAP1L1
SNX21.7	5.82E-07	-0.19973	0.009	0.12	0.008694	Tcell	SNX21
PPIF.11	5.84E-07	-0.233	0.073	0.224	0.008724	Tcell	PPIF
PBX3.4	5.84E-07	-0.23117	0.009	0.12	0.00873	Tcell	PBX3
IDI1.9	5.86E-07	0.598891	0.395	0.323	0.008752	Tcell	IDI1
DESI2.8	5.86E-07	-0.19374	0.055	0.197	0.008763	Tcell	DESI2
FAM107B.8	5.88E-07	0.433711	0.218	0.12	0.00879	Tcell	FAM107B
ASPSCR1.6	5.89E-07	-0.21216	0.082	0.239	0.008799	Tcell	ASPSCR1
DNAJB2.11	5.89E-07	-0.21544	0.132	0.318	0.008803	Tcell	DNAJB2
RGS16.9	5.92E-07	-0.20449	0.109	0.279	0.008853	Tcell	RGS16
PCSK7.7	5.96E-07	0.646536	0.364	0.28	0.008903	Tcell	PCSK7
DAPK3.10	5.96E-07	-0.16477	0.082	0.242	0.008914	Tcell	DAPK3
CNKSR3.10	5.98E-07	-0.22913	0.009	0.12	0.008939	Tcell	CNKSR3
SLC6A8.7	6.01E-07	-0.29359	0.009	0.12	0.00898	Tcell	SLC6A8
APPBP2.9	6.04E-07	-0.1698	0.064	0.212	0.009021	Tcell	APPBP2
CDCA7L.9	6.04E-07	-0.28157	0.027	0.151	0.009021	Tcell	CDCA7L
ARL6IP5.8	6.07E-07	0.288756	0.627	0.651	0.009065	Tcell	ARL6IP5
OCIAD1.7	6.08E-07	-0.22413	0.373	0.641	0.009086	Tcell	OCIAD1
FAM98A.8	6.14E-07	-0.22159	0.023	0.144	0.00917	Tcell	FAM98A
INSM1.13	6.20E-07	-0.29314	0.009	0.119	0.009267	Tcell	INSM1
PLD4.14	6.20E-07	-0.47889	0.032	0.156	0.009271	Tcell	PLD4
C7orf50.8	6.29E-07	-0.19004	0.264	0.512	0.009394	Tcell	C7orf50
MARCH2.11	6.29E-07	-0.18931	0.077	0.236	0.009395	Tcell	2-Mar
PRPSAP2.8	6.32E-07	-0.17642	0.105	0.27	0.009448	Tcell	PRPSAP2
PHLDA3.8	6.35E-07	-0.25271	0.041	0.173	0.00949	Tcell	PHLDA3
LUC7L.9	6.37E-07	-0.14665	0.086	0.248	0.009512	Tcell	LUC7L
UQCC2.8	6.42E-07	-0.21048	0.214	0.431	0.009595	Tcell	UQCC2
L3HYPDH.6	6.46E-07	-0.23997	0.014	0.127	0.009658	Tcell	L3HYPDH
PLA2G5.12	6.47E-07	-0.44695	0.005	0.111	0.009673	Tcell	PLA2G5
BTN3A2.6	6.48E-07	0.607275	0.241	0.145	0.009681	Tcell	BTN3A2
SLC48A1.8	6.49E-07	-0.32598	0.018	0.135	0.009696	Tcell	SLC48A1
SESN3.6	6.49E-07	-0.21584	0.027	0.152	0.009706	Tcell	SESN3
FASN.11	6.52E-07	-0.22432	0.009	0.118	0.009746	Tcell	FASN
SH2B2.10	6.53E-07	-0.24386	0.005	0.111	0.009753	Tcell	SH2B2
THAP9-AS1	6.54E-07	-0.18772	0.073	0.224	0.009776	Tcell	THAP9-AS1
ACOT7.11	6.55E-07	-0.22346	0.077	0.23	0.009789	Tcell	ACOT7
USP9X.4	6.69E-07	-0.17236	0.059	0.204	0.010001	Tcell	USP9X
EFNB2.11	6.70E-07	-0.20292	0	0.101	0.010008	Tcell	EFNB2
KATNBL1.8	6.76E-07	-0.18471	0.091	0.254	0.010099	Tcell	KATNBL1
ELN.11	6.76E-07	-0.35548	0.005	0.11	0.010099	Tcell	ELN
NRXN2.13	6.77E-07	-0.2729	0.009	0.118	0.010112	Tcell	NRXN2
UNC119.9	6.78E-07	-0.14493	0.068	0.22	0.010126	Tcell	UNC119
SAC3D1.12	6.81E-07	-0.23654	0.041	0.172	0.010172	Tcell	SAC3D1
ANKRD46.1	6.84E-07	-0.26896	0.032	0.159	0.010218	Tcell	ANKRD46
SMPDL3A.1	6.90E-07	-0.29367	0.014	0.127	0.010312	Tcell	SMPDL3A
CROT.7	6.91E-07	-0.25914	0.018	0.134	0.01032	Tcell	CROT
SH3PXD2B.	6.93E-07	-0.19675	0.009	0.119	0.010356	Tcell	SH3PXD2B
PIK3CD.9	6.94E-07	0.27412	0.086	0.029	0.010367	Tcell	PIK3CD

FAM161A.8	6.94E-07	-0.26988	0.005	0.11	0.010375	Tcell	FAM161A
SORBS3.1C	7.13E-07	-0.13391	0.041	0.175	0.010662	Tcell	SORBS3
RNASE2.14	7.18E-07	-0.4722	0.036	0.16	0.010725	Tcell	RNASE2
ZC3HC1.1C	7.19E-07	-0.26539	0.014	0.127	0.010742	Tcell	ZC3HC1
ZYG11B.7	7.19E-07	-0.22278	0.027	0.151	0.010748	Tcell	ZYG11B
GOS2.10	7.21E-07	-0.50499	0.055	0.187	0.010769	Tcell	GOS2
CCDC137.8	7.33E-07	-0.14999	0.059	0.205	0.010949	Tcell	CCDC137
SMAD5.9	7.35E-07	-0.14041	0.041	0.173	0.010982	Tcell	SMAD5
CLASP2.13	7.39E-07	-0.29656	0.059	0.199	0.011046	Tcell	CLASP2
RP11-472N	7.42E-07	-0.33198	0.005	0.109	0.011093	Tcell	RP11-472N13.3
FYN.12	7.46E-07	0.696094	0.395	0.325	0.011149	Tcell	FYN
TIMM21.5	7.47E-07	-0.26854	0.027	0.149	0.011159	Tcell	TIMM21
BABAM1.6	7.48E-07	-0.2118	0.195	0.409	0.011174	Tcell	BABAM1
ATL1.9	7.49E-07	-0.2984	0.009	0.118	0.011198	Tcell	ATL1
LPXN.13	7.50E-07	0.43427	0.205	0.108	0.011207	Tcell	LPXN
SRPRB.6	7.50E-07	-0.12549	0.095	0.258	0.011213	Tcell	SRPRB
ENG.14	7.50E-07	-0.41211	0.041	0.167	0.011215	Tcell	ENG
LDLRAD4.1	7.52E-07	0.529752	0.245	0.144	0.01124	Tcell	LDLRAD4
C5orf56.6	7.57E-07	0.638889	0.2	0.11	0.011312	Tcell	C5orf56
GPS1.10	7.62E-07	-0.20168	0.141	0.328	0.011395	Tcell	GPS1
PSD4.6	7.65E-07	0.393755	0.086	0.03	0.011435	Tcell	PSD4
GABARAPL2	7.68E-07	-0.19874	0.459	0.748	0.011477	Tcell	GABARAPL2
KAT5.4	7.71E-07	-0.1527	0.091	0.254	0.011516	Tcell	KAT5
POMGNT2.1	7.75E-07	-0.20474	0.023	0.143	0.011575	Tcell	POMGNT2
NENF.9	7.78E-07	-0.17239	0.25	0.499	0.011631	Tcell	NENF
TTYH2.11	7.81E-07	-0.29679	0.009	0.117	0.011678	Tcell	TTYH2
KDM4B.8	7.82E-07	-0.22809	0.018	0.134	0.01168	Tcell	KDM4B
GNG4.13	7.86E-07	-0.22843	0.009	0.118	0.011742	Tcell	GNG4
DCAF10.7	7.88E-07	-0.21539	0.045	0.18	0.011779	Tcell	DCAF10
CDKN2AIPN	7.91E-07	-0.23727	0.091	0.252	0.011814	Tcell	CDKN2AIPNL
MGLL.7	7.99E-07	-0.31928	0.027	0.147	0.011945	Tcell	MGLL
PPIE.4	8.03E-07	-0.15259	0.114	0.286	0.012006	Tcell	PPIE
C2.12	8.04E-07	-0.48143	0.009	0.117	0.012021	Tcell	C2
DDX1.10	8.10E-07	-0.22109	0.164	0.364	0.012099	Tcell	DDX1
C16orf58.8	8.14E-07	-0.27152	0.009	0.117	0.01217	Tcell	C16orf58
ATPAF2.7	8.18E-07	-0.21383	0.068	0.216	0.012231	Tcell	ATPAF2
ITGB2-AS1	8.25E-07	0.310365	0.082	0.027	0.012326	Tcell	ITGB2-AS1
TWSG1.5	8.25E-07	-0.23933	0.036	0.165	0.012329	Tcell	TWSG1
TNFSF13B.8	8.25E-07	-0.44361	0.068	0.206	0.012333	Tcell	TNFSF13B
TMEM198.9	8.29E-07	-0.22766	0.009	0.117	0.012382	Tcell	TMEM198
TMEM70.1C	8.29E-07	-0.26331	0.2	0.399	0.012384	Tcell	TMEM70
MED19.9	8.30E-07	-0.11814	0.109	0.285	0.012401	Tcell	MED19
C6orf89.4	8.41E-07	-0.15513	0.073	0.222	0.012564	Tcell	C6orf89
CDH11.12	8.43E-07	-0.24474	0.009	0.117	0.0126	Tcell	CDH11
IL18.14	8.44E-07	-0.52174	0.064	0.196	0.012612	Tcell	IL18
GPR183.14	8.46E-07	0.371028	0.409	0.288	0.012644	Tcell	GPR183
SAMD4B.9	8.49E-07	-0.17055	0.073	0.226	0.012688	Tcell	SAMD4B
SKAP2.10	8.50E-07	-0.31282	0.109	0.273	0.012705	Tcell	SKAP2
SPIRE1.6	8.53E-07	-0.22856	0	0.1	0.012741	Tcell	SPIRE1
PIK3R3.11	8.57E-07	-0.1878	0.018	0.134	0.012804	Tcell	PIK3R3
C9orf78.4	8.58E-07	0.564148	0.477	0.443	0.012816	Tcell	C9orf78



SFRP1.12	8.63E-07	-0.22732	0	0.1	0.012896	Tcell	SFRP1
PFKM.8	8.63E-07	-0.23223	0.05	0.186	0.012896	Tcell	PFKM
GPX3.13	8.64E-07	-0.39612	0.032	0.155	0.012916	Tcell	GPX3
NAGA.12	8.69E-07	-0.38114	0.055	0.187	0.012986	Tcell	NAGA
RALA.10	8.74E-07	-0.21116	0.168	0.363	0.013068	Tcell	RALA
SLC11A2.6	8.81E-07	-0.23461	0.041	0.171	0.013169	Tcell	SLC11A2
ELOVL2.13	8.84E-07	-0.22713	0	0.099	0.01321	Tcell	ELOVL2
SNX8.8	8.88E-07	-0.2432	0.027	0.149	0.013269	Tcell	SNX8
GNA11.8	8.91E-07	-0.21888	0.005	0.108	0.013319	Tcell	GNA11
FSD1.12	8.94E-07	-0.14319	0.032	0.157	0.01336	Tcell	FSD1
CHST10.11	8.94E-07	-0.207	0.023	0.141	0.013366	Tcell	CHST10
NFU1.5	8.95E-07	-0.23076	0.127	0.304	0.013378	Tcell	NFU1
CCS.6	8.98E-07	-0.27288	0.1	0.263	0.013422	Tcell	CCS
STRN4.9	9.02E-07	-0.18844	0.014	0.125	0.013474	Tcell	STRN4
AASS.10	9.10E-07	-0.22454	0.009	0.117	0.013601	Tcell	AASS
PARP15	9.11E-07	0.188313	0.036	0.007	0.013607	Tcell	PARP15
HRSP12.8	9.15E-07	-0.26022	0.059	0.201	0.013672	Tcell	HRSP12
FAM228B.8	9.23E-07	-0.16957	0.068	0.218	0.013786	Tcell	FAM228B
LAMTOR3.3	9.28E-07	-0.18502	0.1	0.263	0.013869	Tcell	LAMTOR3
C1QL1.12	9.34E-07	-0.26782	0.009	0.116	0.013962	Tcell	C1QL1
SLC12A2.1	9.40E-07	-0.30651	0.018	0.132	0.014048	Tcell	SLC12A2
PDLIM3.11	9.51E-07	-0.35366	0.009	0.116	0.014209	Tcell	PDLIM3
EFS.10	9.60E-07	-0.28346	0.005	0.108	0.014344	Tcell	EFS
PDGFA.8	9.62E-07	-0.31017	0	0.099	0.014373	Tcell	PDGFA
BHLHE40.1	9.63E-07	0.552181	0.291	0.192	0.014397	Tcell	BHLHE40
MAGOHB.9	9.64E-07	-0.17077	0.086	0.241	0.014401	Tcell	MAGOHB
BMI1.8	9.65E-07	-0.1689	0.023	0.142	0.014419	Tcell	BMI1
LRRN3.11	9.66E-07	-0.33247	0.009	0.115	0.014438	Tcell	LRRN3
TRIB2.14	9.77E-07	-0.17966	0.105	0.266	0.014599	Tcell	TRIB2
EVA1B.9	9.79E-07	-0.18772	0.014	0.125	0.014624	Tcell	EVA1B
RP11-192H	9.83E-07	-0.20882	0.009	0.116	0.014693	Tcell	RP11-192H23.6
ATP6V1E1.	9.87E-07	-0.1283	0.218	0.437	0.014744	Tcell	ATP6V1E1
ELOF1.10	9.87E-07	-0.21603	0.214	0.427	0.01475	Tcell	ELOF1
EPB41L3.1	9.88E-07	-0.41801	0.005	0.107	0.014763	Tcell	EPB41L3
GIPC1.9	9.90E-07	-0.21942	0.105	0.271	0.014792	Tcell	GIPC1
KDM5B.12	9.91E-07	-0.20012	0.036	0.164	0.014807	Tcell	KDM5B
KDM1A.11	9.93E-07	-0.20824	0.064	0.206	0.01484	Tcell	KDM1A
TADA3.6	9.95E-07	-0.26418	0.191	0.394	0.014869	Tcell	TADA3
IQCG.8	9.95E-07	-0.28864	0.014	0.124	0.014876	Tcell	IQCG
TMEM25.1C	1.00E-06	-0.21029	0.014	0.124	0.014989	Tcell	TMEM25
C6orf120.	1.02E-06	-0.21197	0.023	0.14	0.01521	Tcell	C6orf120
SLC10A4.1	1.02E-06	-0.20644	0	0.098	0.015264	Tcell	SLC10A4
ATXN2.9	1.04E-06	-0.14982	0.073	0.225	0.015501	Tcell	ATXN2
RBM42.9	1.04E-06	-0.17008	0.182	0.39	0.015512	Tcell	RBM42
TMCC1.9	1.05E-06	-0.24	0.009	0.115	0.0157	Tcell	TMCC1
UGP2.8	1.05E-06	0.424545	0.495	0.46	0.015711	Tcell	UGP2
SLC26A11.	1.06E-06	-0.22275	0.005	0.107	0.015766	Tcell	SLC26A11
PEX13.3	1.06E-06	-0.20786	0.041	0.172	0.015858	Tcell	PEX13
RASA2.5	1.06E-06	0.469638	0.155	0.074	0.015868	Tcell	RASA2
TMEM126A.	1.07E-06	-0.11855	0.145	0.332	0.01596	Tcell	TMEM126A
TMEM68.9	1.07E-06	-0.24633	0.041	0.169	0.016026	Tcell	TMEM68

NDUFA2.3	1.07E-06	-0.28974	0.332	0.609	0.016057	Tcell	NDUFA2
SPATA33.1	1.08E-06	-0.23347	0.027	0.148	0.016074	Tcell	SPATA33
EIF2B5.6	1.08E-06	-0.20174	0.05	0.186	0.01617	Tcell	EIF2B5
HDAC6.4	1.08E-06	-0.23975	0.009	0.116	0.01617	Tcell	HDAC6
CLCC1.2	1.09E-06	-0.20995	0.023	0.14	0.016234	Tcell	CLCC1
ERBB2IP.9	1.09E-06	-0.15174	0.073	0.224	0.016336	Tcell	ERBB2IP
EHBP1.10	1.09E-06	-0.1993	0.041	0.169	0.016337	Tcell	EHBP1
HRH1.12	1.10E-06	-0.27536	0	0.098	0.016407	Tcell	HRH1
MED8.2	1.12E-06	-0.20004	0.077	0.227	0.016679	Tcell	MED8
POP4.3	1.12E-06	-0.13319	0.105	0.268	0.016725	Tcell	POP4
ENY2.5	1.13E-06	-0.15501	0.341	0.609	0.016889	Tcell	ENY2
VGLL4.11	1.13E-06	-0.14583	0.136	0.321	0.016957	Tcell	VGLL4
B4GALNT1.1	1.14E-06	-0.3556	0.027	0.145	0.016994	Tcell	B4GALNT1
DPF3.8	1.14E-06	-0.24009	0.023	0.138	0.017035	Tcell	DPF3
AGPAT5.9	1.14E-06	-0.20173	0.068	0.212	0.017044	Tcell	AGPAT5
MIR4458HG	1.15E-06	-0.29928	0.036	0.162	0.017186	Tcell	MIR4458HG
PRPF4.3	1.15E-06	-0.24706	0.045	0.176	0.017229	Tcell	PRPF4
MECR.8	1.16E-06	-0.19074	0.036	0.163	0.017354	Tcell	MECR
MMAB.8	1.16E-06	-0.17828	0.059	0.2	0.017403	Tcell	MMAB
PARVA.10	1.17E-06	-0.21051	0	0.097	0.017423	Tcell	PARVA
MID1IP1.6	1.17E-06	-0.17951	0.105	0.264	0.017444	Tcell	MID1IP1
ABCD3.9	1.17E-06	-0.18849	0.059	0.198	0.017445	Tcell	ABCD3
PGAP1.13	1.17E-06	-0.1233	0.05	0.186	0.017446	Tcell	PGAP1
SPPL3.11	1.17E-06	-0.22137	0.059	0.2	0.017463	Tcell	SPPL3
LINC00954	1.17E-06	0.191956	0.041	0.009	0.01749	Tcell	LINC00954
TALDO1.1C	1.18E-06	-0.23339	0.336	0.602	0.017569	Tcell	TALDO1
METTL2A.9	1.18E-06	-0.19201	0.036	0.161	0.0176	Tcell	METTL2A
PRMT5.11	1.18E-06	-0.31099	0.032	0.153	0.017636	Tcell	PRMT5
PPP1R16B.1	1.19E-06	0.280783	0.055	0.014	0.017709	Tcell	PPP1R16B
ATP9A.11	1.19E-06	-0.25203	0.009	0.114	0.017736	Tcell	ATP9A
COMMD4.4	1.19E-06	-0.20525	0.132	0.308	0.017744	Tcell	COMMD4
FOXO3.8	1.19E-06	-0.12167	0.105	0.275	0.017811	Tcell	FOXO3
GAD1.12	1.19E-06	-0.2217	0.009	0.115	0.017847	Tcell	GAD1
DYNC1I1.1	1.20E-06	-0.36811	0.005	0.106	0.017919	Tcell	DYNC1I1
CYB5R3.8	1.20E-06	-0.14496	0.164	0.364	0.01793	Tcell	CYB5R3
DIRAS1.9	1.20E-06	-0.20183	0.009	0.115	0.017982	Tcell	DIRAS1
ATCAY.11	1.21E-06	-0.31487	0.014	0.123	0.018008	Tcell	ATCAY
CAPZB.13	1.21E-06	0.235694	0.645	0.703	0.018052	Tcell	CAPZB
LRRC4C.9	1.21E-06	-0.30481	0	0.097	0.018062	Tcell	LRRC4C
USP46.11	1.21E-06	-0.21332	0.023	0.139	0.018087	Tcell	USP46
TM2D1.2	1.21E-06	-0.16418	0.182	0.391	0.018104	Tcell	TM2D1
EPHA1-AS1	1.21E-06	0.27289	0.064	0.019	0.01814	Tcell	EPHA1-AS1
CTSZ.14	1.22E-06	-0.38465	0.109	0.259	0.018235	Tcell	CTSZ
DIAPH1.9	1.22E-06	0.645596	0.227	0.137	0.018246	Tcell	DIAPH1
E2F6.7	1.22E-06	-0.21783	0.027	0.146	0.018283	Tcell	E2F6
THSD7A.12	1.23E-06	-0.37094	0.027	0.145	0.018334	Tcell	THSD7A
NPEPPS.6	1.23E-06	-0.14717	0.077	0.228	0.01845	Tcell	NPEPPS
TTC9B.13	1.24E-06	-0.38262	0.014	0.122	0.018483	Tcell	TTC9B
CCDC82.7	1.24E-06	-0.18247	0.109	0.275	0.018507	Tcell	CCDC82
ASAP2.10	1.25E-06	-0.19829	0	0.097	0.018725	Tcell	ASAP2
C9orf142.1	1.25E-06	0.546663	0.427	0.375	0.018751	Tcell	C9orf142

SNX13. 2	1. 26E-06	-0. 25047	0. 041	0. 169	0. 018889	Tcell	SNX13
PSMB8. 9	1. 27E-06	0. 434908	0. 464	0. 414	0. 018959	Tcell	PSMB8
UTP11L. 5	1. 28E-06	-0. 19797	0. 123	0. 294	0. 01918	Tcell	UTP11L
HAMP. 14	1. 28E-06	-0. 57195	0. 041	0. 163	0. 019184	Tcell	HAMP
MFSD3. 5	1. 30E-06	-0. 23642	0. 014	0. 122	0. 019377	Tcell	MFSD3
PTGFRN. 8	1. 30E-06	-0. 22026	0. 005	0. 106	0. 019485	Tcell	PTGFRN
DHX33. 9	1. 31E-06	-0. 16448	0. 014	0. 123	0. 019517	Tcell	DHX33
NDUFC2. 5	1. 32E-06	-0. 29141	0. 45	0. 758	0. 019727	Tcell	NDUFC2
FAM114A1. 1	1. 33E-06	-0. 28636	0. 009	0. 114	0. 019814	Tcell	FAM114A1
GGPS1. 9	1. 34E-06	-0. 19947	0. 136	0. 321	0. 019966	Tcell	GGPS1
B4GALT5. 1	1. 35E-06	-0. 14148	0. 059	0. 199	0. 020154	Tcell	B4GALT5
LRP6. 12	1. 35E-06	-0. 23335	0. 009	0. 114	0. 020196	Tcell	LRP6
COMMD3. 6	1. 36E-06	-0. 20115	0. 164	0. 358	0. 020294	Tcell	COMMD3
CRTAP. 13	1. 36E-06	-0. 2132	0. 086	0. 239	0. 020321	Tcell	CRTAP
DENND2A. 9	1. 36E-06	-0. 23672	0	0. 096	0. 020366	Tcell	DENND2A
PRKAB1. 4	1. 36E-06	-0. 24161	0. 036	0. 16	0. 020396	Tcell	PRKAB1
PSMD8. 5	1. 37E-06	-0. 34753	0. 4	0. 678	0. 020514	Tcell	PSMD8
FBXW9. 7	1. 38E-06	-0. 20442	0. 009	0. 114	0. 02065	Tcell	FBXW9
RIC3. 10	1. 39E-06	-0. 18596	0. 082	0. 234	0. 020741	Tcell	RIC3
PREB. 6	1. 39E-06	-0. 1715	0. 068	0. 212	0. 020772	Tcell	PREB
CDKN1B. 12	1. 39E-06	0. 68456	0. 332	0. 257	0. 020772	Tcell	CDKN1B
PAXIP1-AS	1. 39E-06	-0. 19653	0. 036	0. 161	0. 020808	Tcell	PAXIP1-AS1
SFXN3. 6	1. 40E-06	-0. 25583	0. 009	0. 114	0. 020862	Tcell	SFXN3
STAB1. 13	1. 41E-06	-0. 45776	0. 041	0. 164	0. 021047	Tcell	STAB1
HLA-DMA. 1	1. 43E-06	-0. 43251	0. 241	0. 411	0. 021365	Tcell	HLA-DMA
FAM57A. 8	1. 43E-06	-0. 19705	0	0. 096	0. 021366	Tcell	FAM57A
NDP. 10	1. 43E-06	-0. 25839	0. 009	0. 113	0. 021405	Tcell	NDP
ABHD8. 9	1. 44E-06	-0. 1118	0. 027	0. 147	0. 021455	Tcell	ABHD8
ANAPC7. 1C	1. 45E-06	-0. 21124	0. 045	0. 174	0. 021648	Tcell	ANAPC7
RTFDC1. 4	1. 46E-06	-0. 11921	0. 291	0. 543	0. 02177	Tcell	RTFDC1
IL1B. 13	1. 46E-06	-0. 49458	0. 086	0. 224	0. 021828	Tcell	IL1B
RUNDC1. 6	1. 49E-06	-0. 22099	0. 023	0. 138	0. 022196	Tcell	RUNDC1
ABCE1. 7	1. 49E-06	-0. 14409	0. 095	0. 253	0. 02224	Tcell	ABCE1
SPTAN1. 11	1. 49E-06	-0. 14205	0. 1	0. 263	0. 022266	Tcell	SPTAN1
SLC35E3. 1	1. 51E-06	-0. 39447	0. 059	0. 189	0. 022586	Tcell	SLC35E3
HSCB. 5	1. 52E-06	-0. 23884	0. 045	0. 174	0. 022675	Tcell	HSCB
CYR61. 9	1. 52E-06	-0. 45432	0. 045	0. 17	0. 022717	Tcell	CYR61
IGFBP3. 12	1. 52E-06	-0. 44223	0. 064	0. 197	0. 02273	Tcell	IGFBP3
LGR4. 12	1. 52E-06	-0. 19669	0. 005	0. 104	0. 022762	Tcell	LGR4
TMEM97. 11	1. 53E-06	-0. 22042	0. 045	0. 174	0. 022807	Tcell	TMEM97
MTSS1L. 8	1. 54E-06	-0. 23585	0	0. 095	0. 022959	Tcell	MTSS1L
CYB5A. 8	1. 55E-06	-0. 23608	0. 159	0. 345	0. 023129	Tcell	CYB5A
RNF14. 6	1. 55E-06	-0. 13839	0. 059	0. 197	0. 023229	Tcell	RNF14
CDC42BPB. 1	1. 56E-06	-0. 1702	0. 014	0. 121	0. 023304	Tcell	CDC42BPB
WIZ. 8	1. 57E-06	-0. 21114	0. 009	0. 113	0. 023523	Tcell	WIZ
DLD. 10	1. 59E-06	-0. 17783	0. 155	0. 347	0. 023692	Tcell	DLD
PITPNA-AS	1. 60E-06	-0. 16036	0. 059	0. 198	0. 023853	Tcell	PITPNA-AS1
PQLC2. 2	1. 60E-06	-0. 18311	0. 014	0. 121	0. 023916	Tcell	PQLC2
POLR2G. 4	1. 60E-06	-0. 24431	0. 309	0. 572	0. 02395	Tcell	POLR2G
SOBP. 11	1. 64E-06	-0. 23561	0. 023	0. 136	0. 024579	Tcell	SOBP
MAGED2. 12	1. 65E-06	-0. 18655	0. 273	0. 513	0. 02469	Tcell	MAGED2

MRFAP1.11	1.66E-06	-0.24557	0.405	0.676	0.024745	Tcell	MRFAP1
PRDX3.11	1.66E-06	-0.19089	0.255	0.471	0.024751	Tcell	PRDX3
SNX5.9	1.66E-06	-0.22932	0.191	0.398	0.024775	Tcell	SNX5
AKAP6.9	1.66E-06	-0.26352	0.005	0.104	0.024868	Tcell	AKAP6
TNFRSF10A	1.66E-06	0.197662	0.036	0.007	0.024868	Tcell	TNFRSF10A
PRKDC.10	1.67E-06	-0.15843	0.123	0.295	0.024933	Tcell	PRKDC
KIF2A.13	1.67E-06	-0.19056	0.086	0.238	0.025023	Tcell	KIF2A
CCPG1.6	1.69E-06	-0.2474	0.073	0.215	0.025251	Tcell	CCPG1
SRGAP2.8	1.71E-06	-0.19407	0.086	0.235	0.02553	Tcell	SRGAP2
RNF7.6	1.71E-06	-0.26056	0.3	0.536	0.025539	Tcell	RNF7
TMEM132B	1.71E-06	-0.21098	0.005	0.104	0.025546	Tcell	TMEM132B
STK25.12	1.72E-06	-0.11625	0.127	0.306	0.025758	Tcell	STK25
MTIF3.7	1.76E-06	-0.17793	0.159	0.349	0.02625	Tcell	MTIF3
BAZ1B.13	1.76E-06	-0.14133	0.127	0.301	0.026277	Tcell	BAZ1B
AMFR.5	1.76E-06	-0.19093	0.045	0.175	0.026349	Tcell	AMFR
BIN3.3	1.77E-06	-0.2557	0.036	0.157	0.026404	Tcell	BIN3
CPNE4.10	1.77E-06	-0.19638	0	0.094	0.026505	Tcell	CPNE4
BNIP3.11	1.78E-06	-0.18802	0.073	0.218	0.026574	Tcell	BNIP3
PPP1R37.7	1.78E-06	-0.18846	0.023	0.136	0.026608	Tcell	PPP1R37
SERP2.10	1.79E-06	-0.22316	0.005	0.103	0.026695	Tcell	SERP2
MEF2A.13	1.79E-06	-0.27146	0.077	0.218	0.026727	Tcell	MEF2A
HDAC9.8	1.80E-06	-0.29275	0.018	0.128	0.026892	Tcell	HDAC9
PRUNE2.1C	1.80E-06	-0.37466	0.014	0.119	0.026955	Tcell	PRUNE2
PTPN11.6	1.81E-06	-0.1888	0.032	0.15	0.026994	Tcell	PTPN11
TIMP4.8	1.82E-06	-0.44428	0.005	0.103	0.027187	Tcell	TIMP4
SECISBP2	1.82E-06	-0.10622	0.095	0.256	0.027256	Tcell	SECISBP2
DOCK7.5	1.83E-06	-0.21439	0.018	0.128	0.027416	Tcell	DOCK7
C11orf24	1.86E-06	-0.15092	0.027	0.145	0.027802	Tcell	C11orf24
DNAJB11.6	1.86E-06	-0.15854	0.214	0.437	0.027861	Tcell	DNAJB11
UCHL3.8	1.87E-06	-0.22425	0.095	0.25	0.027987	Tcell	UCHL3
BBS2.9	1.87E-06	-0.17987	0.045	0.175	0.028012	Tcell	BBS2
ZFYVE16.5	1.88E-06	-0.2138	0.045	0.174	0.02811	Tcell	ZFYVE16
C12orf45	1.89E-06	-0.20934	0.05	0.181	0.028238	Tcell	C12orf45
ATP5J2.9	1.89E-06	-0.33933	0.514	0.813	0.02828	Tcell	ATP5J2
DGKA.3	1.89E-06	0.383326	0.095	0.036	0.028305	Tcell	DGKA
PXDN.9	1.90E-06	-0.21207	0.005	0.103	0.028427	Tcell	PXDN
RHBDD3.4	1.91E-06	-0.18985	0.032	0.152	0.028504	Tcell	RHBDD3
FAHD2A.7	1.91E-06	-0.15787	0.045	0.175	0.028507	Tcell	FAHD2A
PKN2.6	1.92E-06	-0.19837	0.073	0.213	0.028645	Tcell	PKN2
RNF157.12	1.92E-06	-0.18209	0.023	0.136	0.028694	Tcell	RNF157
LAMP5.11	1.92E-06	-0.2394	0.009	0.111	0.028765	Tcell	LAMP5
DDX56.9	1.93E-06	-0.17118	0.1	0.26	0.028785	Tcell	DDX56
DCTN3.7	1.94E-06	-0.16946	0.282	0.521	0.028963	Tcell	DCTN3
SNRPC.5	1.95E-06	-0.23885	0.273	0.516	0.029136	Tcell	SNRPC
CMTM5.10	1.96E-06	-0.49625	0.005	0.101	0.029359	Tcell	CMTM5
NGDN.7	1.97E-06	-0.1896	0.109	0.266	0.029369	Tcell	NGDN
PROS1.4	1.98E-06	-0.24848	0	0.094	0.029515	Tcell	PROS1
SLC35G2.1	1.98E-06	-0.27804	0.014	0.119	0.029555	Tcell	SLC35G2
DRAM2.12	1.98E-06	-0.28887	0.164	0.339	0.029639	Tcell	DRAM2
S100A8.14	2.00E-06	-0.50183	0.059	0.187	0.029844	Tcell	S100A8
LONRF2.7	2.00E-06	-0.23044	0	0.094	0.02987	Tcell	LONRF2

SNUPN. 6	2. 00E-06	-0. 19063	0. 041	0. 165	0. 029909	Tcell	SNUPN
SLC4A4. 9	2. 02E-06	-0. 27625	0. 009	0. 11	0. 030162	Tcell	SLC4A4
TBC1D12. 1	2. 02E-06	-0. 31092	0. 009	0. 109	0. 030194	Tcell	TBC1D12
SETD9. 3	2. 02E-06	-0. 27476	0. 023	0. 135	0. 030236	Tcell	SETD9
TMEM35. 11	2. 05E-06	-0. 28922	0	0. 093	0. 030592	Tcell	TMEM35
FHIT. 7	2. 06E-06	-0. 38794	0. 014	0. 118	0. 030744	Tcell	FHIT
SEPT10. 6	2. 06E-06	-0. 21075	0. 014	0. 119	0. 030745	Tcell	10-Sep
SEC22C. 8	2. 06E-06	-0. 1505	0. 082	0. 23	0. 030761	Tcell	SEC22C
LSM14B. 7	2. 07E-06	-0. 19735	0. 005	0. 102	0. 030978	Tcell	LSM14B
IMP4. 4	2. 07E-06	-0. 12619	0. 168	0. 362	0. 030999	Tcell	IMP4
SLC16A1. 1	2. 08E-06	-0. 17513	0. 086	0. 236	0. 031093	Tcell	SLC16A1
MIR210HG. 2	2. 10E-06	-0. 26694	0	0. 093	0. 031331	Tcell	MIR210HG
FKBP7. 8	2. 10E-06	-0. 31088	0	0. 093	0. 031331	Tcell	FKBP7
BCAM. 10	2. 10E-06	-0. 17888	0. 009	0. 111	0. 031343	Tcell	BCAM
PET117. 6	2. 10E-06	-0. 13446	0. 05	0. 182	0. 031386	Tcell	PET117
C3orf70. 1	2. 11E-06	-0. 24071	0. 005	0. 102	0. 031473	Tcell	C3orf70
KIF3A. 8	2. 13E-06	-0. 20305	0. 086	0. 237	0. 03179	Tcell	KIF3A
ANKS1B. 11	2. 14E-06	-0. 37233	0. 009	0. 11	0. 031921	Tcell	ANKS1B
CAHM. 12	2. 15E-06	-0. 24924	0	0. 093	0. 032088	Tcell	CAHM
LINC00632	2. 15E-06	-0. 34246	0	0. 093	0. 032088	Tcell	LINC00632
DPM1. 7	2. 15E-06	-0. 11008	0. 177	0. 382	0. 032178	Tcell	DPM1
NAIP. 12	2. 17E-06	-0. 32315	0. 009	0. 11	0. 03245	Tcell	NAIP
TRMT6. 7	2. 17E-06	-0. 11613	0. 05	0. 181	0. 032465	Tcell	TRMT6
STAT5A. 1C	2. 19E-06	0. 422184	0. 118	0. 051	0. 032723	Tcell	STAT5A
TBC1D17. 6	2. 20E-06	-0. 2463	0. 036	0. 157	0. 032811	Tcell	TBC1D17
METAP1D. 1	2. 21E-06	-0. 27494	0. 018	0. 126	0. 032975	Tcell	METAP1D
PCMT1. 6	2. 21E-06	-0. 13779	0. 286	0. 545	0. 033033	Tcell	PCMT1
FBXL5	2. 24E-06	-0. 1371	0. 118	0. 29	0. 033541	Tcell	FBXL5
NOP16. 8	2. 24E-06	-0. 17445	0. 064	0. 201	0. 033545	Tcell	NOP16
SRD5A3. 7	2. 25E-06	-0. 23699	0. 041	0. 165	0. 033561	Tcell	SRD5A3
DLX1. 13	2. 25E-06	-0. 37149	0. 014	0. 117	0. 033688	Tcell	DLX1
CWC27. 10	2. 26E-06	-0. 14344	0. 105	0. 267	0. 033784	Tcell	CWC27
TMX1. 7	2. 27E-06	-0. 21462	0. 209	0. 406	0. 033901	Tcell	TMX1
FN1. 12	2. 27E-06	-0. 30442	0. 036	0. 157	0. 03396	Tcell	FN1
TFE3. 5	2. 27E-06	-0. 23348	0. 014	0. 118	0. 033963	Tcell	TFE3
FAM219A. 6	2. 28E-06	-0. 22993	0	0. 093	0. 03406	Tcell	FAM219A
RHOJ. 10	2. 29E-06	-0. 16834	0. 005	0. 102	0. 034186	Tcell	RHOJ
ROBO2. 13	2. 29E-06	-0. 21296	0. 009	0. 109	0. 034244	Tcell	ROBO2
COMMD9. 8	2. 30E-06	-0. 1734	0. 141	0. 313	0. 034334	Tcell	COMMD9
ECI1. 9	2. 30E-06	-0. 1466	0. 073	0. 216	0. 034411	Tcell	ECI1
IGSF10. 7	2. 31E-06	-0. 20298	0. 005	0. 101	0. 034456	Tcell	IGSF10
CEBPD. 10	2. 31E-06	-0. 20499	0. 25	0. 463	0. 034539	Tcell	CEBPD
CASC4. 8	2. 32E-06	-0. 1292	0. 077	0. 227	0. 034621	Tcell	CASC4
ZNF528. 9	2. 32E-06	-0. 19536	0. 009	0. 11	0. 034636	Tcell	ZNF528
CASC15. 1C	2. 32E-06	-0. 28668	0. 005	0. 101	0. 034683	Tcell	CASC15
HMG3. 9	2. 32E-06	-0. 15516	0. 341	0. 614	0. 034735	Tcell	HMG3
MBOAT7. 11	2. 33E-06	-0. 18856	0. 091	0. 246	0. 034857	Tcell	MBOAT7
ESD. 4	2. 34E-06	-0. 21629	0. 255	0. 494	0. 034973	Tcell	ESD
STRAP. 8	2. 36E-06	-0. 1783	0. 309	0. 558	0. 035245	Tcell	STRAP
MFSD2A. 7	2. 36E-06	-0. 2849	0. 005	0. 1	0. 035288	Tcell	MFSD2A
SCAMP1. 1C	2. 38E-06	-0. 12268	0. 073	0. 217	0. 035546	Tcell	SCAMP1

TCN2. 9	2. 39E-06	-0. 32499	0. 005	0. 101	0. 035766	Tcell	TCN2
VPS37A. 2	2. 40E-06	-0. 13973	0. 068	0. 209	0. 035914	Tcell	VPS37A
SEPT7. 13	2. 41E-06	0. 216907	0. 668	0. 703	0. 035943	Tcell	7-Sep
PURA. 10	2. 41E-06	-0. 14443	0. 068	0. 211	0. 036025	Tcell	PURA
DNP1. 8	2. 42E-06	-0. 17606	0. 182	0. 38	0. 036189	Tcell	DNP1
PTRH2. 3	2. 43E-06	-0. 2922	0. 027	0. 14	0. 036267	Tcell	PTRH2
FAM212B. 1	2. 44E-06	-0. 25414	0. 005	0. 101	0. 036435	Tcell	FAM212B
AGFG1. 5	2. 44E-06	-0. 20568	0. 023	0. 134	0. 036463	Tcell	AGFG1
MCM7. 13	2. 45E-06	-0. 25539	0. 105	0. 257	0. 036572	Tcell	MCM7
TCEB3. 6	2. 48E-06	-0. 17428	0. 05	0. 178	0. 037045	Tcell	TCEB3
IMMP2L. 1C	2. 48E-06	-0. 28286	0. 032	0. 147	0. 03708	Tcell	IMMP2L
CSRNP3. 11	2. 49E-06	-0. 29802	0. 005	0. 101	0. 0372	Tcell	CSRNP3
TRAPPC2P1	2. 49E-06	-0. 27385	0. 082	0. 227	0. 037215	Tcell	TRAPPC2P1
KLHL13. 13	2. 52E-06	-0. 20812	0. 005	0. 101	0. 03764	Tcell	KLHL13
IMPACT. 4	2. 54E-06	-0. 19403	0. 041	0. 164	0. 03803	Tcell	IMPACT
TMTC4. 9	2. 55E-06	-0. 27638	0. 005	0. 1	0. 038116	Tcell	TMTC4
ATRN. 5	2. 55E-06	-0. 14846	0. 018	0. 126	0. 038177	Tcell	ATRN
MTG2. 6	2. 57E-06	-0. 17893	0. 032	0. 149	0. 038418	Tcell	MTG2
RP1-39G22	2. 57E-06	-0. 22552	0. 023	0. 133	0. 038455	Tcell	RP1-39G22. 7
GTF2H5. 4	2. 59E-06	-0. 14356	0. 2	0. 408	0. 038748	Tcell	GTF2H5
TEAD2. 12	2. 60E-06	-0. 1929	0	0. 092	0. 03883	Tcell	TEAD2
CAMK2D. 11	2. 61E-06	-0. 18637	0. 091	0. 246	0. 03899	Tcell	CAMK2D
PDLIM2. 9	2. 62E-06	0. 564642	0. 323	0. 239	0. 03909	Tcell	PDLIM2
MAOB. 11	2. 62E-06	-0. 37217	0. 005	0. 1	0. 039119	Tcell	MAOB
PRRC2A. 8	2. 62E-06	-0. 16762	0. 095	0. 246	0. 039164	Tcell	PRRC2A
RAB11B-AS	2. 62E-06	-0. 14868	0. 023	0. 134	0. 039189	Tcell	RAB11B-AS1
SEPT4. 11	2. 63E-06	-0. 39064	0. 023	0. 132	0. 039364	Tcell	4-Sep
LRRC41. 3	2. 64E-06	-0. 17748	0. 091	0. 244	0. 039461	Tcell	LRRC41
NFKB2. 12	2. 65E-06	0. 375779	0. 132	0. 059	0. 039564	Tcell	NFKB2
LRCH4. 10	2. 68E-06	0. 568364	0. 277	0. 187	0. 040039	Tcell	LRCH4
MSI2. 11	2. 71E-06	-0. 17377	0. 145	0. 325	0. 040508	Tcell	MSI2
ANKRD12. 7	2. 72E-06	0. 531717	0. 464	0. 425	0. 040689	Tcell	ANKRD12
PRKCA. 8	2. 74E-06	-0. 14956	0. 064	0. 201	0. 040954	Tcell	PRKCA
ACAP3. 12	2. 74E-06	-0. 21783	0. 077	0. 218	0. 040962	Tcell	ACAP3
MPPED2. 11	2. 76E-06	-0. 24431	0	0. 091	0. 041212	Tcell	MPPED2
PSMD7. 6	2. 76E-06	-0. 2141	0. 264	0. 494	0. 041222	Tcell	PSMD7
KCNIP1. 1C	2. 76E-06	-0. 26827	0. 005	0. 1	0. 04123	Tcell	KCNIP1
GPATCH11. 1	2. 77E-06	-0. 21744	0. 027	0. 14	0. 041327	Tcell	GPATCH11
MESP1. 10	2. 78E-06	-0. 16661	0. 023	0. 133	0. 041486	Tcell	MESP1
RCC2. 9	2. 79E-06	-0. 24503	0. 05	0. 177	0. 041738	Tcell	RCC2
HN1. 9	2. 79E-06	-0. 29118	0. 45	0. 679	0. 041765	Tcell	HN1
C19orf48. 1	2. 80E-06	-0. 18087	0. 086	0. 23	0. 041786	Tcell	C19orf48
DDIT3. 9	2. 80E-06	-0. 1428	0. 223	0. 432	0. 041793	Tcell	DDIT3
CMAS. 5	2. 81E-06	-0. 18498	0. 109	0. 27	0. 04202	Tcell	CMAS
SLC40A1. 1	2. 82E-06	-0. 24679	0. 027	0. 141	0. 042125	Tcell	SLC40A1
VASH1. 8	2. 82E-06	-0. 29956	0. 023	0. 132	0. 042126	Tcell	VASH1
RUNDC3A. 1	2. 82E-06	-0. 29664	0. 005	0. 099	0. 042137	Tcell	RUNDC3A
ZMIZ1. 5	2. 82E-06	-0. 24285	0. 027	0. 141	0. 042187	Tcell	ZMIZ1
SAP30BP. 4	2. 83E-06	-0. 21301	0. 173	0. 365	0. 042277	Tcell	SAP30BP
TMEM18. 6	2. 84E-06	-0. 3101	0. 073	0. 21	0. 042397	Tcell	TMEM18
VPS16. 6	2. 84E-06	-0. 21157	0. 05	0. 177	0. 042401	Tcell	VPS16

LDHB. 9	2. 85E-06	0. 150122	0. 718	0. 78	0. 042569	Tcell	LDHB
SYNDIG1. 1	2. 86E-06	-0. 33417	0	0. 091	0. 042709	Tcell	SYNDIG1
PHF20L1. 1	2. 87E-06	-0. 1023	0. 132	0. 311	0. 042956	Tcell	PHF20L1
SEC14L2. 9	2. 88E-06	-0. 12218	0. 014	0. 117	0. 04307	Tcell	SEC14L2
MUL1. 4	2. 89E-06	-0. 19934	0. 041	0. 163	0. 04326	Tcell	MUL1
MTX2. 8	2. 90E-06	-0. 20697	0. 15	0. 325	0. 043383	Tcell	MTX2
VASP. 13	2. 93E-06	0. 585384	0. 323	0. 238	0. 043813	Tcell	VASP
ZNF579. 9	2. 94E-06	-0. 19864	0. 014	0. 116	0. 043986	Tcell	ZNF579
NARFL. 6	2. 95E-06	-0. 20039	0. 032	0. 147	0. 044013	Tcell	NARFL
AVIL. 10	2. 96E-06	-0. 29152	0	0. 091	0. 044261	Tcell	AVIL
PAK1. 11	2. 97E-06	-0. 31005	0. 05	0. 172	0. 04431	Tcell	PAK1
ARMC6. 8	2. 98E-06	-0. 1773	0. 041	0. 163	0. 044558	Tcell	ARMC6
AIF1L. 12	3. 00E-06	-0. 3363	0. 014	0. 115	0. 044861	Tcell	AIF1L
COASY. 2	3. 01E-06	-0. 17932	0. 064	0. 197	0. 044938	Tcell	COASY
LRRC42. 8	3. 01E-06	-0. 24482	0. 032	0. 146	0. 044998	Tcell	LRRC42
SRP72. 7	3. 02E-06	-0. 196	0. 241	0. 462	0. 045164	Tcell	SRP72
POGK. 7	3. 04E-06	-0. 1841	0. 023	0. 132	0. 045474	Tcell	POGK
ACAD8. 7	3. 04E-06	-0. 14903	0. 055	0. 185	0. 045496	Tcell	ACAD8
ZNF703. 6	3. 05E-06	-0. 26214	0. 005	0. 099	0. 04555	Tcell	ZNF703
EGR3. 6	3. 06E-06	-0. 39066	0. 009	0. 106	0. 04573	Tcell	EGR3
EFTUD2. 7	3. 07E-06	-0. 18159	0. 077	0. 218	0. 045809	Tcell	EFTUD2
VSTM2A. 11	3. 07E-06	-0. 51334	0. 009	0. 107	0. 04582	Tcell	VSTM2A
ZNF576. 6	3. 07E-06	-0. 24653	0. 027	0. 139	0. 045927	Tcell	ZNF576
ADRB2. 12	3. 08E-06	0. 368832	0. 109	0. 045	0. 046027	Tcell	ADRB2
CARKD. 8	3. 08E-06	-0. 24809	0. 023	0. 132	0. 046079	Tcell	CARKD
ARV1. 8	3. 09E-06	-0. 23108	0. 055	0. 181	0. 046177	Tcell	ARV1
TMEM100. 1	3. 11E-06	-0. 36699	0	0. 09	0. 046416	Tcell	TMEM100
IL6ST. 12	3. 11E-06	-0. 13464	0. 1	0. 257	0. 046464	Tcell	IL6ST
ZNF638. 9	3. 11E-06	-0. 13369	0. 1	0. 254	0. 046485	Tcell	ZNF638
ZIC1. 11	3. 11E-06	-0. 22342	0. 014	0. 116	0. 046502	Tcell	ZIC1
MZT2B. 10	3. 11E-06	0. 326972	0. 564	0. 594	0. 046513	Tcell	MZT2B
POLR3GL. 6	3. 13E-06	0. 579009	0. 414	0. 349	0. 046705	Tcell	POLR3GL
FGL2. 14	3. 13E-06	-0. 41012	0. 055	0. 179	0. 046811	Tcell	FGL2
KIAA0930. 3	3. 14E-06	-0. 24381	0. 032	0. 147	0. 046878	Tcell	KIAA0930
BECN1. 6	3. 14E-06	-0. 17855	0. 086	0. 233	0. 046898	Tcell	BECN1
POMT1. 9	3. 14E-06	-0. 21069	0. 027	0. 139	0. 04698	Tcell	POMT1
CEP41. 6	3. 15E-06	-0. 25613	0. 036	0. 153	0. 047084	Tcell	CEP41
DGCR6. 6	3. 15E-06	-0. 18359	0. 036	0. 156	0. 047116	Tcell	DGCR6
CCDC34. 1C	3. 16E-06	-0. 19603	0. 045	0. 169	0. 047271	Tcell	CCDC34
EHD1. 8	3. 17E-06	0. 569098	0. 205	0. 12	0. 047327	Tcell	EHD1
GNAI1. 11	3. 17E-06	-0. 28448	0. 009	0. 107	0. 047415	Tcell	GNAI1
POP5. 6	3. 18E-06	-0. 21998	0. 132	0. 299	0. 047539	Tcell	POP5
FZD7. 11	3. 19E-06	-0. 1891	0. 005	0. 099	0. 047609	Tcell	FZD7
ZCCHC3. 1C	3. 19E-06	-0. 17448	0. 009	0. 108	0. 047639	Tcell	ZCCHC3
CDKN1C. 1C	3. 24E-06	-0. 27592	0. 014	0. 116	0. 048489	Tcell	CDKN1C
TMEM14A. 9	3. 26E-06	-0. 16768	0. 15	0. 327	0. 048777	Tcell	TMEM14A
SLC39A13. 3	3. 27E-06	-0. 23772	0. 027	0. 138	0. 048817	Tcell	SLC39A13
GIMAP2. 12	3. 27E-06	0. 427081	0. 155	0. 075	0. 048904	Tcell	GIMAP2
MCUR1. 9	3. 31E-06	-0. 13086	0. 105	0. 265	0. 049458	Tcell	MCUR1
SLC35A2. 4	3. 31E-06	-0. 24097	0. 045	0. 169	0. 049523	Tcell	SLC35A2
NBR1. 3	3. 32E-06	-0. 16316	0. 059	0. 192	0. 049609	Tcell	NBR1

CPSF4. 8	3. 34E-06	-0. 19347	0. 064	0. 198	0. 049972	Tcell	CPSF4
ADAL. 3	3. 35E-06	-0. 19247	0. 014	0. 116	0. 050026	Tcell	ADAL
ENTPD6. 6	3. 37E-06	-0. 11868	0. 064	0. 201	0. 050434	Tcell	ENTPD6
SSBP3. 10	3. 40E-06	-0. 24891	0. 023	0. 13	0. 050868	Tcell	SSBP3
MRS2. 3	3. 42E-06	-0. 18386	0. 041	0. 162	0. 051047	Tcell	MRS2
ASNS. 14	3. 42E-06	-0. 27348	0. 055	0. 179	0. 051178	Tcell	ASNS
RSRC1. 4	3. 44E-06	-0. 16007	0. 132	0. 308	0. 051398	Tcell	RSRC1
LPAR2. 3	3. 45E-06	0. 381902	0. 086	0. 032	0. 051512	Tcell	LPAR2
MAGI2. 11	3. 45E-06	-0. 2537	0. 009	0. 107	0. 051522	Tcell	MAGI2
MCC. 9	3. 48E-06	-0. 16141	0. 018	0. 124	0. 052035	Tcell	MCC
CARHSP1. 1	3. 49E-06	-0. 21244	0. 214	0. 427	0. 052177	Tcell	CARHSP1
TBCC. 12	3. 54E-06	0. 624238	0. 305	0. 22	0. 052931	Tcell	TBCC
SPRED2. 6	3. 56E-06	-0. 18216	0. 014	0. 115	0. 053138	Tcell	SPRED2
SON. 5	3. 56E-06	0. 251872	0. 659	0. 712	0. 053229	Tcell	SON
ATP6VOD1. 3	3. 59E-06	-0. 20155	0. 291	0. 514	0. 053625	Tcell	ATP6VOD1
DHRS4L2. 7	3. 60E-06	-0. 16564	0. 109	0. 265	0. 05383	Tcell	DHRS4L2
CLUAP1. 1C	3. 62E-06	-0. 17158	0. 045	0. 17	0. 054132	Tcell	CLUAP1
RP11-552D4. 1	3. 63E-06	-0. 47345	0. 018	0. 122	0. 054208	Tcell	RP11-552D4. 1
LIN7C. 1	3. 63E-06	-0. 2495	0. 018	0. 122	0. 054212	Tcell	LIN7C
CCNH. 7	3. 63E-06	0. 508045	0. 459	0. 41	0. 054281	Tcell	CCNH
DTD1. 13	3. 64E-06	-0. 16673	0. 195	0. 395	0. 054414	Tcell	DTD1
ZNF43. 12	3. 65E-06	-0. 16171	0. 027	0. 139	0. 054496	Tcell	ZNF43
SNAP29. 8	3. 65E-06	-0. 19642	0. 086	0. 228	0. 054501	Tcell	SNAP29
PDCD6IP. 2	3. 67E-06	-0. 19255	0. 127	0. 292	0. 054842	Tcell	PDCD6IP
LTV1. 4	3. 67E-06	-0. 23369	0. 059	0. 188	0. 054848	Tcell	LTV1
GPN3. 3	3. 68E-06	-0. 26483	0. 105	0. 256	0. 054937	Tcell	GPN3
TTC1. 5	3. 69E-06	-0. 1577	0. 186	0. 377	0. 055212	Tcell	TTC1
WDFY3. 3	3. 71E-06	-0. 24229	0	0. 089	0. 055465	Tcell	WDFY3
SSX2IP. 5	3. 71E-06	-0. 16887	0. 005	0. 098	0. 055486	Tcell	SSX2IP
RBM10. 9	3. 76E-06	-0. 15075	0. 068	0. 205	0. 056169	Tcell	RBM10
CYTL1. 13	3. 76E-06	-0. 49007	0. 014	0. 112	0. 05622	Tcell	CYTL1
FARSA. 8	3. 79E-06	-0. 17802	0. 145	0. 323	0. 056585	Tcell	FARSA
COPG1. 3	3. 79E-06	-0. 14986	0. 086	0. 233	0. 056628	Tcell	COPG1
AFG3L2. 4	3. 81E-06	-0. 16025	0. 073	0. 21	0. 056912	Tcell	AFG3L2
PNMAL1. 12	3. 83E-06	-0. 21885	0. 005	0. 098	0. 057204	Tcell	PNMAL1
FAM127C. 3	3. 84E-06	-0. 25827	0. 009	0. 106	0. 057394	Tcell	FAM127C
ELL2. 12	3. 86E-06	-0. 31429	0. 064	0. 195	0. 057705	Tcell	ELL2
DENND5B. 1	3. 87E-06	-0. 22845	0. 005	0. 097	0. 057906	Tcell	DENND5B
TMEM5. 10	3. 88E-06	-0. 21818	0. 073	0. 211	0. 057971	Tcell	TMEM5
JAKMIP2. 9	3. 89E-06	-0. 21048	0. 036	0. 153	0. 058139	Tcell	JAKMIP2
DNAJC15. 1	3. 92E-06	-0. 22127	0. 195	0. 394	0. 058603	Tcell	DNAJC15
ABHD11. 4	3. 93E-06	-0. 29074	0. 05	0. 171	0. 058706	Tcell	ABHD11
SNAPC3. 8	3. 95E-06	-0. 19903	0. 027	0. 138	0. 058989	Tcell	SNAPC3
SCAMP5. 1C	3. 96E-06	-0. 19472	0. 005	0. 098	0. 059115	Tcell	SCAMP5
B3GNT5. 12	3. 96E-06	-0. 30655	0. 032	0. 143	0. 059122	Tcell	B3GNT5
LINC00094	3. 97E-06	-0. 15807	0. 023	0. 131	0. 05939	Tcell	LINC00094
POGZ. 10	3. 98E-06	-0. 16591	0. 073	0. 213	0. 059408	Tcell	POGZ
SRM. 12	3. 98E-06	-0. 13604	0. 173	0. 368	0. 059513	Tcell	SRM
ID1. 9	4. 02E-06	-0. 18957	0. 018	0. 123	0. 060069	Tcell	ID1
ARFIP1. 2	4. 03E-06	-0. 23444	0. 045	0. 165	0. 060251	Tcell	ARFIP1
PHACTR1. 1	4. 03E-06	-0. 45491	0. 018	0. 119	0. 060278	Tcell	PHACTR1



FAM195A.9	4.07E-06	-0.10331	0.1	0.257	0.060831	Tcell	FAM195A
CTSO.2	4.07E-06	-0.21032	0.014	0.114	0.060873	Tcell	CTSO
BOC.10	4.13E-06	-0.18937	0	0.088	0.06171	Tcell	BOC
ZNF91.9	4.14E-06	-0.16023	0.073	0.212	0.061875	Tcell	ZNF91
DYNC1LI1.4	4.14E-06	-0.13122	0.114	0.27	0.061885	Tcell	DYNC1LI1
SIL1.10	4.16E-06	-0.19322	0.105	0.257	0.062226	Tcell	SIL1
HLTF.12	4.17E-06	-0.17171	0.05	0.176	0.062292	Tcell	HLTF
TRMT61A.4	4.19E-06	-0.22791	0.023	0.129	0.062581	Tcell	TRMT61A
LAMB2.8	4.22E-06	-0.22001	0.005	0.097	0.063121	Tcell	LAMB2
DLC1.9	4.23E-06	-0.23238	0	0.088	0.063189	Tcell	DLC1
TMUB2.5	4.23E-06	-0.16318	0.105	0.262	0.063204	Tcell	TMUB2
SEMA5A.9	4.23E-06	-0.20045	0.009	0.106	0.063249	Tcell	SEMA5A
PDHB.5	4.24E-06	-0.16962	0.177	0.366	0.06333	Tcell	PDHB
HS2ST1.12	4.25E-06	-0.15654	0.05	0.177	0.063546	Tcell	HS2ST1
DPH3.5	4.28E-06	-0.24265	0.077	0.216	0.063927	Tcell	DPH3
CDK2AP1.6	4.28E-06	-0.1907	0.009	0.106	0.064028	Tcell	CDK2AP1
GNPTG.6	4.32E-06	-0.1505	0.105	0.261	0.06451	Tcell	GNPTG
GPNMB.13	4.32E-06	-0.43914	0.073	0.203	0.06459	Tcell	GPNMB
KCTD20.5	4.32E-06	-0.18201	0.059	0.19	0.064601	Tcell	KCTD20
SIPA1L1.6	4.37E-06	-0.12547	0.045	0.167	0.065355	Tcell	SIPA1L1
MPDZ.9	4.38E-06	-0.20309	0	0.088	0.065474	Tcell	MPDZ
MSTO1.4	4.38E-06	-0.207	0	0.088	0.065474	Tcell	MSTO1
NDUF6F6.1	4.41E-06	-0.1247	0.055	0.183	0.065905	Tcell	NDUF6F6
CHCHD5.4	4.41E-06	-0.18843	0.182	0.376	0.065972	Tcell	CHCHD5
PMPCB.9	4.42E-06	-0.19346	0.168	0.347	0.066001	Tcell	PMPCB
DIXDC1.9	4.43E-06	-0.23177	0.005	0.097	0.066239	Tcell	DIXDC1
ZNF626.9	4.46E-06	-0.18846	0.032	0.145	0.066617	Tcell	ZNF626
KLHL42.12	4.46E-06	-0.15645	0.041	0.161	0.066721	Tcell	KLHL42
RGL1.6	4.49E-06	-0.24794	0	0.088	0.067043	Tcell	RGL1
KIF1A.10	4.52E-06	-0.30323	0.023	0.128	0.067475	Tcell	KIF1A
PLA2G15.1	4.53E-06	-0.34129	0.032	0.14	0.067655	Tcell	PLA2G15
C16orf62.4	4.55E-06	-0.27018	0.036	0.15	0.067949	Tcell	C16orf62
PUM1.7	4.56E-06	-0.11745	0.091	0.24	0.068177	Tcell	PUM1
CIC.4	4.59E-06	-0.18776	0.018	0.121	0.068531	Tcell	CIC
NDUFB2.7	4.59E-06	-0.27889	0.527	0.814	0.068574	Tcell	NDUFB2
DUSP14.9	4.59E-06	-0.1716	0.055	0.182	0.068633	Tcell	DUSP14
TAOK1.9	4.62E-06	-0.11097	0.105	0.262	0.068991	Tcell	TAOK1
NCSTN.4	4.63E-06	-0.22439	0.105	0.256	0.069137	Tcell	NCSTN
R3HCC1.9	4.64E-06	-0.14816	0.123	0.289	0.069396	Tcell	R3HCC1
SAMD4A.4	4.65E-06	-0.22919	0	0.087	0.069466	Tcell	SAMD4A
LY96.13	4.66E-06	-0.27548	0.086	0.225	0.069603	Tcell	LY96
ZNF561.5	4.66E-06	-0.23045	0.014	0.113	0.0697	Tcell	ZNF561
FAM171B.1	4.68E-06	-0.19673	0.014	0.113	0.069986	Tcell	FAM171B
LRRC47.11	4.69E-06	-0.11606	0.077	0.219	0.070134	Tcell	LRRC47
MEGF8.3	4.70E-06	-0.21998	0	0.087	0.070293	Tcell	MEGF8
SLPI.11	4.71E-06	-0.93266	0.041	0.152	0.070358	Tcell	SLPI
DHRS11.1C	4.72E-06	-0.17472	0.009	0.104	0.07058	Tcell	DHRS11
ERF.10	4.73E-06	-0.18926	0.055	0.179	0.070672	Tcell	ERF
SVIP.7	4.73E-06	0.586418	0.259	0.168	0.070736	Tcell	SVIP
WIPI1.10	4.74E-06	-0.25067	0.059	0.188	0.070772	Tcell	WIPI1
ANO6.5	4.74E-06	-0.2107	0.009	0.105	0.070826	Tcell	ANO6

METTL1.9	4.75E-06	-0.29177	0.036	0.149	0.070973	Tcell	METTL1
ZBTB43.4	4.79E-06	-0.20259	0.036	0.152	0.071534	Tcell	ZBTB43
SNCAIP.13	4.87E-06	-0.21227	0	0.087	0.072832	Tcell	SNCAIP
RIMKLB.1C	4.90E-06	-0.11179	0.036	0.153	0.073225	Tcell	RIMKLB
PQLC1.8	4.90E-06	-0.21657	0.027	0.136	0.07327	Tcell	PQLC1
MFNG.12	4.94E-06	0.394807	0.218	0.125	0.073873	Tcell	MFNG
NDUFB5.3	4.94E-06	-0.16665	0.314	0.566	0.073879	Tcell	NDUFB5
ILF3-AS1.	4.95E-06	-0.10358	0.141	0.313	0.073923	Tcell	ILF3-AS1
FGF14.11	4.99E-06	-0.21425	0	0.087	0.074575	Tcell	FGF14
ARNT2.13	5.00E-06	-0.14834	0.014	0.113	0.074769	Tcell	ARNT2
THSD1.8	5.01E-06	-0.15135	0.005	0.096	0.074916	Tcell	THSD1
GUSB.10	5.02E-06	-0.21959	0.118	0.275	0.074977	Tcell	GUSB
HIBCH.7	5.03E-06	-0.13244	0.095	0.247	0.075153	Tcell	HIBCH
NACC2.9	5.04E-06	-0.18672	0.009	0.104	0.075339	Tcell	NACC2
YIPF2.4	5.05E-06	-0.27038	0.018	0.12	0.075453	Tcell	YIPF2
TSKU.9	5.05E-06	-0.18104	0	0.087	0.075462	Tcell	TSKU
TUBG2.7	5.08E-06	-0.24321	0.014	0.112	0.075938	Tcell	TUBG2
FGF1.11	5.10E-06	-0.25904	0.005	0.096	0.076185	Tcell	FGF1
TFDP2.7	5.10E-06	-0.16604	0.077	0.215	0.076267	Tcell	TFDP2
C2orf76.4	5.12E-06	-0.2174	0.045	0.166	0.076473	Tcell	C2orf76
HOTAIRM1.	5.12E-06	-0.30183	0.059	0.184	0.076554	Tcell	HOTAIRM1
IQCE.7	5.14E-06	-0.20495	0.018	0.12	0.076831	Tcell	IQCE
CIZ1.8	5.16E-06	-0.10295	0.055	0.182	0.077085	Tcell	CIZ1
KIF3C.10	5.16E-06	-0.21579	0.009	0.104	0.077179	Tcell	KIF3C
COX16.5	5.17E-06	-0.19143	0.273	0.505	0.077261	Tcell	COX16
PKD1.6	5.18E-06	-0.17828	0.018	0.12	0.07743	Tcell	PKD1
RAB30-AS1	5.20E-06	-0.21112	0.036	0.15	0.077784	Tcell	RAB30-AS1
HOXA7.11	5.23E-06	-0.31906	0.009	0.103	0.078142	Tcell	HOXA7
FAM131A.5	5.24E-06	-0.18171	0.023	0.128	0.078266	Tcell	FAM131A
KIAA1549.	5.25E-06	-0.21926	0.005	0.095	0.078433	Tcell	KIAA1549
TCF7L2.6	5.25E-06	-0.20986	0.005	0.095	0.078454	Tcell	TCF7L2
NME7.12	5.26E-06	-0.24508	0.045	0.163	0.078577	Tcell	NME7
NAB2.6	5.30E-06	-0.17575	0.032	0.144	0.079197	Tcell	NAB2
EHMT2.11	5.33E-06	-0.13862	0.068	0.203	0.079668	Tcell	EHMT2
BAG5.10	5.34E-06	-0.14232	0.059	0.187	0.079748	Tcell	BAG5
SH3KBP1.1	5.34E-06	0.541824	0.323	0.239	0.079801	Tcell	SH3KBP1
LIFR.11	5.35E-06	-0.20019	0.014	0.111	0.079949	Tcell	LIFR
DCUN1D5.7	5.35E-06	-0.1907	0.127	0.29	0.080016	Tcell	DCUN1D5
DHTKD1.5	5.40E-06	-0.23542	0.023	0.127	0.080646	Tcell	DHTKD1
U2AF2.7	5.40E-06	-0.11304	0.105	0.26	0.08073	Tcell	U2AF2
NKIRAS1.5	5.41E-06	-0.22737	0.009	0.104	0.080858	Tcell	NKIRAS1
DUSP15.9	5.44E-06	-0.18337	0.005	0.095	0.081352	Tcell	DUSP15
RGMB.11	5.45E-06	-0.30319	0.027	0.134	0.081396	Tcell	RGMB
MTUS1.7	5.51E-06	-0.30285	0.036	0.149	0.082276	Tcell	MTUS1
NEK1.10	5.51E-06	-0.18476	0.023	0.128	0.082299	Tcell	NEK1
SERP1.9	5.51E-06	0.353945	0.577	0.604	0.082301	Tcell	SERP1
PSAT1.13	5.54E-06	-0.12058	0.073	0.206	0.082755	Tcell	PSAT1
CCP110.1C	5.55E-06	-0.25055	0.023	0.126	0.082881	Tcell	CCP110
GAS7.4	5.55E-06	-0.25879	0.014	0.112	0.082915	Tcell	GAS7
DMD.6	5.55E-06	-0.22811	0	0.086	0.082943	Tcell	DMD
CELF2.14	5.56E-06	0.490438	0.436	0.382	0.083099	Tcell	CELF2

UBE2W. 5	5. 57E-06	-0. 21943	0. 077	0. 216	0. 083232	Tcell	UBE2W
MLKL. 9	5. 57E-06	0. 257317	0. 077	0. 027	0. 083285	Tcell	MLKL
LAMB1. 8	5. 58E-06	-0. 18385	0. 009	0. 103	0. 083321	Tcell	LAMB1
TTL. 6	5. 60E-06	-0. 21168	0. 018	0. 12	0. 083632	Tcell	TTL
GALNT11. 8	5. 61E-06	-0. 14455	0. 086	0. 229	0. 083774	Tcell	GALNT11
GPR162. 1C	5. 62E-06	-0. 16783	0. 009	0. 104	0. 083933	Tcell	GPR162
CDK5R1. 1C	5. 65E-06	-0. 2542	0. 005	0. 095	0. 084472	Tcell	CDK5R1
FAM104B. 5	5. 73E-06	-0. 18739	0. 064	0. 193	0. 085594	Tcell	FAM104B
TULP3. 9	5. 76E-06	-0. 17536	0. 023	0. 127	0. 086114	Tcell	TULP3
PTPN13. 1C	5. 77E-06	-0. 18932	0. 005	0. 095	0. 086213	Tcell	PTPN13
TRAPPC12. 5	5. 80E-06	-0. 17136	0. 068	0. 2	0. 086744	Tcell	TRAPPC12
ZNF92. 11	5. 82E-06	-0. 26836	0. 036	0. 148	0. 086942	Tcell	ZNF92
SYPL1. 7	5. 83E-06	-0. 2312	0. 214	0. 41	0. 087078	Tcell	SYPL1
CELF4. 11	5. 83E-06	-0. 34721	0. 005	0. 094	0. 087108	Tcell	CELF4
CTC-524C5	5. 84E-06	-0. 16816	0. 018	0. 12	0. 08725	Tcell	CTC-524C5. 2
FABP5. 10	5. 84E-06	-0. 62895	0. 227	0. 395	0. 087302	Tcell	FABP5
RABGGTB. 5	5. 86E-06	-0. 1365	0. 127	0. 294	0. 087604	Tcell	RABGGTB
CACNG7. 9	5. 89E-06	-0. 18177	0	0. 086	0. 087987	Tcell	CACNG7
PIM3. 11	5. 89E-06	0. 615976	0. 273	0. 189	0. 088005	Tcell	PIM3
ZNF226. 9	5. 90E-06	-0. 25701	0. 073	0. 206	0. 08817	Tcell	ZNF226
SOX21. 9	5. 90E-06	-0. 16838	0. 005	0. 095	0. 088228	Tcell	SOX21
CITED2. 9	5. 92E-06	0. 591678	0. 405	0. 351	0. 088471	Tcell	CITED2
PRDX1. 11	5. 93E-06	-0. 28766	0. 55	0. 813	0. 088629	Tcell	PRDX1
EXOSC7. 2	5. 94E-06	-0. 24127	0. 091	0. 232	0. 08872	Tcell	EXOSC7
GFOD2. 8	5. 95E-06	-0. 22951	0. 027	0. 134	0. 088891	Tcell	GFOD2
EXOSC8. 12	5. 96E-06	-0. 22868	0. 132	0. 292	0. 089003	Tcell	EXOSC8
RMND1. 5	5. 98E-06	-0. 2361	0. 009	0. 103	0. 0893	Tcell	RMND1
UBN2. 8	5. 99E-06	-0. 22749	0. 014	0. 111	0. 089476	Tcell	UBN2
MMP24-AS1	6. 00E-06	-0. 14254	0. 145	0. 315	0. 089699	Tcell	MMP24-AS1
GSPT2. 10	6. 01E-06	-0. 16548	0. 036	0. 151	0. 089791	Tcell	GSPT2
RING1. 3	6. 02E-06	-0. 12255	0. 109	0. 265	0. 089921	Tcell	RING1
TRMU. 6	6. 02E-06	-0. 19852	0. 027	0. 134	0. 089959	Tcell	TRMU
RTN2. 9	6. 03E-06	-0. 31461	0	0. 086	0. 090088	Tcell	RTN2
NDUF5. 6	6. 04E-06	-0. 12917	0. 027	0. 136	0. 090318	Tcell	NDUF5
RAD23A. 7	6. 08E-06	-0. 23602	0. 318	0. 571	0. 090891	Tcell	RAD23A
FAM96A. 11	6. 11E-06	-0. 16829	0. 177	0. 36	0. 091363	Tcell	FAM96A
C10orf11. 6	6. 15E-06	-0. 32329	0. 009	0. 103	0. 091934	Tcell	C10orf11
RIT1. 10	6. 19E-06	-0. 15031	0. 077	0. 216	0. 092532	Tcell	RIT1
STK3. 2	6. 20E-06	-0. 22456	0. 014	0. 111	0. 092611	Tcell	STK3
ZMYND8. 1C	6. 21E-06	-0. 11565	0. 073	0. 21	0. 092777	Tcell	ZMYND8
LCMT1. 4	6. 24E-06	-0. 16995	0. 109	0. 265	0. 093291	Tcell	LCMT1
CACUL1. 7	6. 25E-06	-0. 14308	0. 073	0. 208	0. 093441	Tcell	CACUL1
SMARCC1. 1	6. 30E-06	-0. 12015	0. 105	0. 257	0. 094175	Tcell	SMARCC1
ZNF521. 8	6. 32E-06	-0. 19097	0	0. 085	0. 094441	Tcell	ZNF521
ATRAID. 5	6. 34E-06	-0. 13285	0. 355	0. 616	0. 094743	Tcell	ATRAID
EIF2B2. 4	6. 37E-06	-0. 26829	0. 055	0. 176	0. 095207	Tcell	EIF2B2
DYNLRB1. 5	6. 41E-06	-0. 2485	0. 405	0. 67	0. 095834	Tcell	DYNLRB1
ERN1. 2	6. 42E-06	0. 49458	0. 118	0. 053	0. 095905	Tcell	ERN1
HSDL1. 11	6. 44E-06	-0. 23392	0. 027	0. 133	0. 096283	Tcell	HSDL1
TMEM60. 8	6. 46E-06	-0. 14551	0. 1	0. 25	0. 096518	Tcell	TMEM60
UBQLN1. 6	6. 46E-06	-0. 10578	0. 123	0. 285	0. 096589	Tcell	UBQLN1

HLA-DPB1. 6.	6. 47E-06	0. 271572	0. 595	0. 492	0. 096746	Tcell	HLA-DPB1
POLR2H. 1C	6. 49E-06	-0. 11375	0. 15	0. 326	0. 096944	Tcell	POLR2H
PIH1D1. 5	6. 50E-06	-0. 14615	0. 195	0. 393	0. 097106	Tcell	PIH1D1
PAFAH1B2. 6.	6. 52E-06	-0. 11042	0. 15	0. 329	0. 097443	Tcell	PAFAH1B2
STOX2. 11	6. 58E-06	-0. 20027	0. 005	0. 094	0. 098292	Tcell	STOX2
CADM3. 10	6. 59E-06	-0. 37927	0. 009	0. 102	0. 09847	Tcell	CADM3
CIR1. 6	6. 59E-06	-0. 15894	0. 159	0. 332	0. 098544	Tcell	CIR1
COMMD10. 6	6. 60E-06	-0. 15117	0. 086	0. 228	0. 098668	Tcell	COMMD10
C1orf53. 7	6. 62E-06	-0. 23104	0	0. 085	0. 099002	Tcell	C1orf53
TMEM69. 4	6. 63E-06	-0. 17908	0. 05	0. 171	0. 099055	Tcell	TMEM69
KANK1. 9	6. 66E-06	-0. 2367	0. 005	0. 094	0. 099481	Tcell	KANK1
ZMAT5. 5	6. 68E-06	-0. 21651	0. 095	0. 238	0. 099822	Tcell	ZMAT5
CAMK1. 10	6. 72E-06	-0. 1775	0. 086	0. 228	0. 10047	Tcell	CAMK1
CSPG5. 12	6. 73E-06	-0. 28922	0. 014	0. 11	0. 10055	Tcell	CSPG5
TIMM50. 5	6. 73E-06	-0. 1213	0. 141	0. 314	0. 100603	Tcell	TIMM50
HS6ST1. 7	6. 76E-06	-0. 19601	0. 014	0. 11	0. 100958	Tcell	HS6ST1
CHMP4B. 1C	6. 78E-06	-0. 17245	0. 241	0. 458	0. 101322	Tcell	CHMP4B
BRD8. 9	6. 81E-06	-0. 12431	0. 045	0. 164	0. 1017	Tcell	BRD8
TMEM57. 8	6. 82E-06	-0. 18877	0. 055	0. 177	0. 101907	Tcell	TMEM57
NLGN2. 10	6. 83E-06	-0. 19209	0. 005	0. 093	0. 10208	Tcell	NLGN2
SNX14. 5	6. 86E-06	-0. 19019	0. 077	0. 213	0. 102541	Tcell	SNX14
FEM1C. 7	6. 87E-06	-0. 18832	0. 032	0. 142	0. 102608	Tcell	FEM1C
ALYREF. 12	6. 88E-06	-0. 16281	0. 036	0. 148	0. 102786	Tcell	ALYREF
ADAM15. 6	6. 88E-06	-0. 22372	0. 018	0. 117	0. 102801	Tcell	ADAM15
SLFN13. 1	6. 89E-06	0. 168477	0. 041	0. 01	0. 102977	Tcell	SLFN13
LGALS9. 14	6. 92E-06	-0. 4392	0. 109	0. 243	0. 103425	Tcell	LGALS9
NBPF10. 7	6. 95E-06	-0. 12629	0. 036	0. 147	0. 103894	Tcell	NBPF10
MDM2. 8	6. 96E-06	-0. 26826	0. 077	0. 209	0. 103991	Tcell	MDM2
ARL4D. 11	6. 98E-06	-0. 17137	0. 05	0. 171	0. 104355	Tcell	ARL4D
MILR1. 13	6. 99E-06	-0. 4397	0. 009	0. 1	0. 104513	Tcell	MILR1
RGS10. 14	7. 04E-06	0. 325859	0. 459	0. 34	0. 105169	Tcell	RGS10
AUP1. 8	7. 04E-06	-0. 18217	0. 286	0. 527	0. 105248	Tcell	AUP1
CRAT. 6	7. 07E-06	-0. 18744	0. 045	0. 162	0. 105708	Tcell	CRAT
ZCCHC24. 9	7. 13E-06	-0. 2661	0. 009	0. 101	0. 1065	Tcell	ZCCHC24
PMVK. 3	7. 14E-06	-0. 14988	0. 236	0. 441	0. 106733	Tcell	PMVK
USP6NL. 7	7. 19E-06	-0. 23545	0	0. 084	0. 107514	Tcell	USP6NL
DIRAS3. 11	7. 20E-06	-0. 37482	0. 023	0. 125	0. 107582	Tcell	DIRAS3
CCDC136. 9	7. 20E-06	-0. 25445	0. 005	0. 093	0. 107641	Tcell	CCDC136
CRYZ. 11	7. 28E-06	-0. 22592	0. 023	0. 125	0. 108831	Tcell	CRYZ
PGK1. 10	7. 29E-06	0. 15929	0. 695	0. 755	0. 108868	Tcell	PGK1
FAM217B. 1	7. 32E-06	-0. 14747	0. 041	0. 157	0. 109317	Tcell	FAM217B
RINL	7. 36E-06	0. 399128	0. 105	0. 044	0. 110015	Tcell	RINL
MSC. 1	7. 40E-06	0. 174373	0. 032	0. 007	0. 110639	Tcell	MSC
ASTN1. 7	7. 42E-06	-0. 17707	0. 005	0. 093	0. 110939	Tcell	ASTN1
SLC29A4. 9	7. 45E-06	-0. 2178	0	0. 084	0. 11138	Tcell	SLC29A4
KAT7. 8	7. 47E-06	-0. 15893	0. 036	0. 15	0. 111639	Tcell	KAT7
ANKRA2. 5	7. 47E-06	-0. 19527	0. 036	0. 149	0. 111698	Tcell	ANKRA2
TCEAL8. 3	7. 49E-06	-0. 21234	0. 241	0. 446	0. 111856	Tcell	TCEAL8
FOXRED1. 5	7. 53E-06	-0. 22664	0. 014	0. 108	0. 112557	Tcell	FOXRED1
ABCC3. 7	7. 56E-06	-0. 30492	0. 009	0. 101	0. 113043	Tcell	ABCC3
POLR2E. 7	7. 63E-06	-0. 18105	0. 295	0. 539	0. 114081	Tcell	POLR2E

RBFA. 5	7. 63E-06	-0. 19647	0. 05	0. 17	0. 114094	Tcell	RBFA
CDIPT. 3	7. 68E-06	-0. 14966	0. 127	0. 289	0. 114787	Tcell	CDIPT
APOLD1. 6	7. 69E-06	0. 424217	0. 109	0. 047	0. 114887	Tcell	APOLD1
NTN1. 8	7. 72E-06	-0. 1776	0	0. 084	0. 115383	Tcell	NTN1
PCOLCE2. 6	7. 72E-06	-0. 26169	0	0. 084	0. 115383	Tcell	PCOLCE2
NADK2. 6	7. 72E-06	-0. 17985	0. 009	0. 101	0. 115422	Tcell	NADK2
DEGS1. 4	7. 73E-06	-0. 1272	0. 236	0. 464	0. 115561	Tcell	DEGS1
CELF5. 13	7. 74E-06	-0. 29738	0. 005	0. 092	0. 115714	Tcell	CELF5
NSMCE1. 4	7. 82E-06	-0. 12558	0. 214	0. 408	0. 116869	Tcell	NSMCE1
NAPEPLD. 8	7. 84E-06	-0. 23351	0. 009	0. 101	0. 11718	Tcell	NAPEPLD
AGPAT3. 7	7. 84E-06	-0. 15174	0. 027	0. 132	0. 117191	Tcell	AGPAT3
E4F1. 3	7. 85E-06	-0. 18076	0. 018	0. 117	0. 117281	Tcell	E4F1
LINC00844	7. 87E-06	-0. 37246	0. 014	0. 108	0. 117546	Tcell	LINC00844
RP11-195F	7. 87E-06	-0. 27343	0. 005	0. 092	0. 117656	Tcell	RP11-195F19. 5
ELMOD1. 11	7. 90E-06	-0. 17032	0	0. 084	0. 11813	Tcell	ELMOD1
UTP14C. 5	7. 90E-06	-0. 18634	0	0. 084	0. 11813	Tcell	UTP14C
PFDN6. 5	7. 94E-06	-0. 17625	0. 177	0. 356	0. 118715	Tcell	PFDN6
THEMIS2. 1	8. 08E-06	-0. 36571	0. 109	0. 244	0. 120719	Tcell	THEMIS2
RNF8. 8	8. 14E-06	-0. 15983	0. 05	0. 169	0. 121692	Tcell	RNF8
VTA1. 3	8. 15E-06	-0. 1496	0. 059	0. 186	0. 121736	Tcell	VTA1
MDH1. 5	8. 21E-06	-0. 23623	0. 309	0. 555	0. 122632	Tcell	MDH1
SPHK1. 11	8. 21E-06	-0. 23842	0. 014	0. 108	0. 122741	Tcell	SPHK1
TGFBR1. 12	8. 23E-06	-0. 30598	0. 05	0. 164	0. 123011	Tcell	TGFBR1
C9orf72. 1	8. 30E-06	-0. 26052	0. 041	0. 153	0. 124082	Tcell	C9orf72
NIPSNAP3A	8. 38E-06	-0. 20513	0. 073	0. 202	0. 125184	Tcell	NIPSNAP3A
ABHD14B. 9	8. 46E-06	0. 55317	0. 264	0. 177	0. 126428	Tcell	ABHD14B
WVOX. 4	8. 48E-06	-0. 2379	0. 009	0. 1	0. 126733	Tcell	WVOX
TRMT10C. 9	8. 51E-06	-0. 10179	0. 105	0. 252	0. 127102	Tcell	TRMT10C
ACER3. 12	8. 52E-06	-0. 17694	0. 064	0. 187	0. 1273	Tcell	ACER3
RASGEF1A	8. 54E-06	0. 130033	0. 023	0. 004	0. 127639	Tcell	RASGEF1A
ZNF814. 8	8. 60E-06	-0. 2076	0. 023	0. 124	0. 12848	Tcell	ZNF814
GNB2. 11	8. 61E-06	-0. 20058	0. 323	0. 574	0. 128607	Tcell	GNB2
ITGA3. 11	8. 63E-06	-0. 18758	0. 009	0. 1	0. 129033	Tcell	ITGA3
ATPAF1. 11	8. 66E-06	-0. 11015	0. 095	0. 243	0. 12945	Tcell	ATPAF1
EHD2. 11	8. 68E-06	-0. 18396	0	0. 083	0. 129783	Tcell	EHD2
ATG4D. 8	8. 70E-06	-0. 1419	0. 045	0. 163	0. 129999	Tcell	ATG4D
MIR22HG. 1	8. 73E-06	-0. 33287	0. 018	0. 115	0. 130429	Tcell	MIR22HG
DYNLL1. 8	8. 74E-06	-0. 29612	0. 609	0. 84	0. 13062	Tcell	DYNLL1
SDHB. 6	8. 75E-06	-0. 15112	0. 223	0. 428	0. 130775	Tcell	SDHB
SLC4A3. 8	8. 75E-06	-0. 1894	0. 005	0. 092	0. 130811	Tcell	SLC4A3
NR2C2AP. 1	8. 76E-06	-0. 23642	0. 05	0. 168	0. 13088	Tcell	NR2C2AP
NUFIP1. 8	8. 78E-06	-0. 15924	0. 018	0. 117	0. 13128	Tcell	NUFIP1
REV1. 7	8. 85E-06	-0. 14217	0. 05	0. 17	0. 132295	Tcell	REV1
B3GAT1. 9	8. 94E-06	-0. 26539	0. 005	0. 091	0. 133569	Tcell	B3GAT1
FAM216A. 8	8. 99E-06	-0. 13729	0. 023	0. 124	0. 13436	Tcell	FAM216A
CD99L2. 6	9. 04E-06	-0. 17118	0. 027	0. 132	0. 135041	Tcell	CD99L2
SIAE. 7	9. 08E-06	-0. 2256	0. 005	0. 091	0. 135647	Tcell	SIAE
TNFSF8. 2	9. 08E-06	0. 141379	0. 036	0. 008	0. 135679	Tcell	TNFSF8
APBB1. 9	9. 14E-06	-0. 12948	0. 064	0. 192	0. 136649	Tcell	APBB1
REEP1. 12	9. 21E-06	-0. 23067	0	0. 082	0. 137637	Tcell	REEP1
TXNL1. 5	9. 22E-06	-0. 13887	0. 255	0. 476	0. 13782	Tcell	TXNL1

APPL2. 1	9. 25E-06	-0. 1585	0. 059	0. 183	0. 138191	Tcell	APPL2
RENBP. 13	9. 29E-06	-0. 34774	0. 032	0. 137	0. 138768	Tcell	RENBP
LONRF1. 9	9. 32E-06	-0. 17484	0. 009	0. 1	0. 139273	Tcell	LONRF1
PREPL. 9	9. 33E-06	-0. 14047	0. 064	0. 191	0. 139493	Tcell	PREPL
METTL22. 6	9. 34E-06	-0. 26901	0. 005	0. 091	0. 139598	Tcell	METTL22
PADI2. 12	9. 38E-06	-0. 34725	0. 032	0. 137	0. 140146	Tcell	PADI2
ARMC1. 10	9. 41E-06	-0. 13464	0. 114	0. 267	0. 140572	Tcell	ARMC1
GART. 7	9. 41E-06	-0. 21345	0. 073	0. 202	0. 140604	Tcell	GART
ARPC5L. 1C	9. 42E-06	0. 557725	0. 405	0. 369	0. 140825	Tcell	ARPC5L
ATP13A3. 8	9. 43E-06	-0. 21462	0. 041	0. 152	0. 140969	Tcell	ATP13A3
TESC. 4	9. 44E-06	0. 328006	0. 095	0. 039	0. 141015	Tcell	TESC
B3GALT6. 8	9. 48E-06	-0. 10441	0. 032	0. 14	0. 141735	Tcell	B3GALT6
SLC52A2. 7	9. 50E-06	-0. 1139	0. 123	0. 283	0. 141981	Tcell	SLC52A2
PPFIA3. 1C	9. 53E-06	-0. 17139	0. 005	0. 091	0. 142363	Tcell	PPFIA3
LARP1B. 7	9. 55E-06	-0. 20959	0. 023	0. 122	0. 142682	Tcell	LARP1B
UBTD2. 10	9. 57E-06	-0. 18683	0. 014	0. 107	0. 142985	Tcell	UBTD2
LRRN1. 11	9. 58E-06	-0. 22802	0. 014	0. 108	0. 143232	Tcell	LRRN1
ATP1A3. 12	9. 60E-06	-0. 31537	0. 023	0. 122	0. 143469	Tcell	ATP1A3
ZNF22. 11	9. 60E-06	-0. 10397	0. 123	0. 278	0. 143491	Tcell	ZNF22
ROM1. 11	9. 61E-06	-0. 26153	0. 018	0. 115	0. 143565	Tcell	ROM1
CD33. 14	9. 65E-06	-0. 39332	0. 023	0. 122	0. 144233	Tcell	CD33
NOVA2. 7	9. 65E-06	-0. 20239	0	0. 082	0. 144257	Tcell	NOVA2
EMC9. 6	9. 69E-06	-0. 22264	0. 059	0. 179	0. 144839	Tcell	EMC9
IER5L. 5	9. 70E-06	-0. 19319	0. 009	0. 099	0. 145024	Tcell	IER5L
ACBD3. 5	9. 77E-06	-0. 12634	0. 055	0. 177	0. 145995	Tcell	ACBD3
GADD45G. 1	9. 78E-06	-0. 27926	0. 114	0. 258	0. 146109	Tcell	GADD45G
CFD. 13	9. 79E-06	-0. 37472	0. 045	0. 158	0. 14623	Tcell	CFD
PRKACA. 5	9. 82E-06	-0. 19384	0. 041	0. 152	0. 146726	Tcell	PRKACA
CCDC25. 1C	9. 82E-06	-0. 11908	0. 136	0. 3	0. 146779	Tcell	CCDC25
SEPT11. 12	9. 83E-06	-0. 12426	0. 136	0. 306	0. 146828	Tcell	11-Sep
GALK1. 10	9. 83E-06	-0. 22777	0. 077	0. 207	0. 146899	Tcell	GALK1
PAQR4. 12	9. 83E-06	-0. 22206	0. 05	0. 166	0. 146905	Tcell	PAQR4
GALE. 4	9. 84E-06	-0. 21891	0. 045	0. 158	0. 14698	Tcell	GALE
LYPLAL1. 3	9. 84E-06	-0. 17625	0. 095	0. 239	0. 14705	Tcell	LYPLAL1
IGF2BP2. 1	9. 88E-06	-0. 1909	0	0. 082	0. 147684	Tcell	IGF2BP2
ZNF117. 7	9. 92E-06	-0. 23122	0. 014	0. 107	0. 148237	Tcell	ZNF117
CBWD1. 4	9. 95E-06	-0. 14757	0. 082	0. 216	0. 148655	Tcell	CBWD1
ZC3H7B. 4	9. 95E-06	-0. 15392	0. 014	0. 108	0. 148754	Tcell	ZC3H7B
NSG1. 12	1. 00E-05	-0. 32481	0. 059	0. 178	0. 14982	Tcell	NSG1
ZSWIM6. 4	1. 01E-05	-0. 20839	0. 027	0. 131	0. 150371	Tcell	ZSWIM6
VPS9D1	1. 01E-05	-0. 20479	0. 005	0. 091	0. 150901	Tcell	VPS9D1
MPC2. 8	1. 01E-05	-0. 20839	0. 341	0. 586	0. 150955	Tcell	MPC2
MGP. 12	1. 01E-05	-0. 8187	0. 014	0. 105	0. 151373	Tcell	MGP
RP11-936I	1. 01E-05	0. 230823	0. 032	0. 007	0. 151455	Tcell	RP11-936I5. 1
SPIN1. 6	1. 02E-05	-0. 1241	0. 05	0. 169	0. 15186	Tcell	SPIN1
CACNB4. 6	1. 02E-05	-0. 22437	0. 005	0. 09	0. 151895	Tcell	CACNB4
SECISBP2L	1. 02E-05	-0. 11508	0. 055	0. 176	0. 152281	Tcell	SECISBP2L
POR. 5	1. 02E-05	-0. 18229	0. 118	0. 268	0. 152365	Tcell	POR
BCS1L. 8	1. 02E-05	-0. 18492	0. 05	0. 168	0. 152844	Tcell	BCS1L
PDHA1. 7	1. 02E-05	-0. 14936	0. 141	0. 306	0. 153004	Tcell	PDHA1
KIAA0232.	1. 03E-05	-0. 14927	0. 041	0. 154	0. 154098	Tcell	KIAA0232

ILDR2.11	1.04E-05	-0.1593	0	0.082	0.154781	Tcell	ILDR2
RP11-505K	1.04E-05	-0.18124	0	0.082	0.154781	Tcell	RP11-505K9.1
NCAN.9	1.04E-05	-0.28969	0	0.082	0.154781	Tcell	NCAN
SLC37A4.4	1.04E-05	-0.21448	0.023	0.123	0.155418	Tcell	SLC37A4
TUBA1B.9	1.04E-05	-0.26448	0.659	0.9	0.156021	Tcell	TUBA1B
AP2A2.11	1.05E-05	-0.12304	0.105	0.254	0.156199	Tcell	AP2A2
MGARP.8	1.05E-05	-0.16696	0	0.081	0.156608	Tcell	MGARP
CPT1C.9	1.05E-05	-0.21781	0.014	0.107	0.156938	Tcell	CPT1C
PTBP2.11	1.05E-05	-0.20752	0.014	0.107	0.157378	Tcell	PTBP2
CCZ1B.10	1.06E-05	-0.15014	0.041	0.153	0.158094	Tcell	CCZ1B
EML1.5	1.06E-05	-0.20525	0	0.081	0.158456	Tcell	EML1
SLC16A3.1	1.06E-05	-0.28343	0.168	0.323	0.159059	Tcell	SLC16A3
PTCD3.10	1.07E-05	-0.1335	0.091	0.232	0.160084	Tcell	PTCD3
VAX2.12	1.07E-05	-0.20071	0	0.081	0.160325	Tcell	VAX2
STT3A.2	1.08E-05	-0.14008	0.05	0.168	0.160704	Tcell	STT3A
PDCD7.9	1.08E-05	-0.14388	0.086	0.223	0.160768	Tcell	PDCD7
JOSD2.11	1.08E-05	-0.11157	0.164	0.338	0.161551	Tcell	JOSD2
ZNF181.8	1.08E-05	-0.19885	0.009	0.099	0.16171	Tcell	ZNF181
SRPK2.10	1.08E-05	-0.14664	0.214	0.414	0.161765	Tcell	SRPK2
SOX5.11	1.08E-05	-0.19966	0.005	0.09	0.162084	Tcell	SOX5
EMC3.3	1.10E-05	-0.1732	0.245	0.453	0.163821	Tcell	EMC3
HSPD1.11	1.10E-05	-0.19937	0.359	0.619	0.164118	Tcell	HSPD1
LINC00526	1.10E-05	-0.20804	0	0.081	0.164129	Tcell	LINC00526
TMEM186.5	1.10E-05	-0.19865	0.009	0.099	0.164519	Tcell	TMEM186
CCDC181.9	1.11E-05	-0.23609	0	0.081	0.166065	Tcell	CCDC181
AC004540.	1.11E-05	-0.25817	0	0.081	0.166065	Tcell	AC004540.5
TMEM53.8	1.12E-05	-0.17494	0.014	0.107	0.166917	Tcell	TMEM53
ZFP91.3	1.12E-05	-0.16292	0.032	0.137	0.167226	Tcell	ZFP91
THYN1.9	1.12E-05	-0.10175	0.209	0.41	0.167591	Tcell	THYN1
ILF3.10	1.13E-05	-0.10887	0.209	0.415	0.168368	Tcell	ILF3
TXNRD1.8	1.13E-05	-0.10377	0.095	0.24	0.168854	Tcell	TXNRD1
EBI3.13	1.14E-05	-0.38005	0.009	0.098	0.170124	Tcell	EBI3
ACAT2.11	1.14E-05	-0.14378	0.127	0.281	0.170919	Tcell	ACAT2
REEP3.9	1.15E-05	-0.11778	0.1	0.247	0.171353	Tcell	REEP3
RILP.12	1.15E-05	-0.26129	0.014	0.105	0.171996	Tcell	RILP
UNC13D.1C	1.16E-05	0.286057	0.109	0.047	0.17359	Tcell	UNC13D
MTURN.7	1.16E-05	-0.24403	0	0.081	0.174036	Tcell	MTURN
HARS.8	1.17E-05	-0.1893	0.127	0.284	0.175214	Tcell	HARS
BOLA1.6	1.18E-05	-0.17808	0.041	0.153	0.17602	Tcell	BOLA1
BAG6.4	1.18E-05	-0.10371	0.159	0.334	0.176113	Tcell	BAG6
MTFR1.3	1.18E-05	-0.19604	0.009	0.098	0.176293	Tcell	MTFR1
TMEM136.8	1.18E-05	-0.16757	0.005	0.089	0.176309	Tcell	TMEM136
CACFD1.9	1.18E-05	-0.20847	0.005	0.089	0.176652	Tcell	CACFD1
VEZT.8	1.19E-05	-0.11833	0.091	0.229	0.177106	Tcell	VEZT
CHRN1.9	1.19E-05	-0.23652	0.041	0.151	0.177192	Tcell	CHRN1
REXO4.6	1.19E-05	-0.15647	0.068	0.193	0.177941	Tcell	REXO4
CBLN4.14	1.19E-05	-0.23692	0	0.08	0.178162	Tcell	CBLN4
HS3ST1.11	1.19E-05	-0.31503	0.005	0.089	0.178181	Tcell	HS3ST1
RMND5B.7	1.19E-05	-0.15307	0.05	0.166	0.178352	Tcell	RMND5B
KLHL5.6	1.20E-05	-0.18889	0.055	0.172	0.178973	Tcell	KLHL5
MAP6.8	1.20E-05	-0.16735	0.009	0.098	0.179303	Tcell	MAP6

MCF2L. 9	1. 20E-05	-0. 26083	0. 009	0. 097	0. 180033	Tcell	MCF2L
UCK1. 5	1. 21E-05	-0. 1234	0. 064	0. 187	0. 180473	Tcell	UCK1
CNTLN. 3	1. 21E-05	-0. 2062	0. 014	0. 106	0. 180623	Tcell	CNTLN
SLC26A2. 2	1. 21E-05	-0. 20003	0. 014	0. 106	0. 181136	Tcell	SLC26A2
EMC2. 3	1. 22E-05	-0. 15635	0. 091	0. 225	0. 18204	Tcell	EMC2
PARP2. 9	1. 22E-05	-0. 21826	0. 018	0. 113	0. 182341	Tcell	PARP2
ST3GAL1. 1	1. 23E-05	0. 420068	0. 182	0. 101	0. 183417	Tcell	ST3GAL1
FIGN. 11	1. 23E-05	-0. 17353	0. 005	0. 089	0. 183675	Tcell	FIGN
AGAP2-AS1	1. 24E-05	-0. 31813	0. 009	0. 097	0. 185443	Tcell	AGAP2-AS1
SLC9A3R2. 1	1. 24E-05	-0. 16516	0. 018	0. 114	0. 185875	Tcell	SLC9A3R2
ST3GAL6. 1	1. 25E-05	-0. 32299	0. 018	0. 113	0. 186359	Tcell	ST3GAL6
KALRN. 9	1. 26E-05	-0. 20717	0. 009	0. 097	0. 188093	Tcell	KALRN
TIMM17B. 2	1. 26E-05	-0. 1687	0. 168	0. 345	0. 188487	Tcell	TIMM17B
PAX6. 10	1. 26E-05	-0. 18016	0	0. 08	0. 188907	Tcell	PAX6
MEOX2. 12	1. 26E-05	-0. 22309	0	0. 08	0. 188907	Tcell	MEOX2
ARID5A. 1C	1. 26E-05	0. 502331	0. 364	0. 288	0. 189022	Tcell	ARID5A
CCDC88B. 6	1. 27E-05	0. 45197	0. 155	0. 08	0. 189061	Tcell	CCDC88B
POLR2L. 5	1. 27E-05	0. 183629	0. 645	0. 689	0. 18922	Tcell	POLR2L
CTSC. 14	1. 27E-05	0. 302034	0. 468	0. 382	0. 189922	Tcell	CTSC
FAM3A. 3	1. 27E-05	-0. 16742	0. 086	0. 223	0. 190135	Tcell	FAM3A
C16orf91. 1	1. 27E-05	-0. 2229	0. 073	0. 198	0. 190374	Tcell	C16orf91
LRRC37B. 7	1. 27E-05	-0. 12615	0. 018	0. 114	0. 190423	Tcell	LRRC37B
TMEM177. 7	1. 28E-05	-0. 20604	0	0. 08	0. 191131	Tcell	TMEM177
RNF5. 7	1. 29E-05	-0. 13274	0. 2	0. 394	0. 192061	Tcell	RNF5
EEF1E1. 6	1. 29E-05	-0. 19257	0. 155	0. 318	0. 193295	Tcell	EEF1E1
MPP5. 7	1. 29E-05	-0. 19018	0. 009	0. 097	0. 193336	Tcell	MPP5
CCDC57. 13	1. 30E-05	0. 503147	0. 186	0. 106	0. 194303	Tcell	CCDC57
SYBU. 10	1. 32E-05	-0. 21065	0. 005	0. 088	0. 196703	Tcell	SYBU
THAP3. 8	1. 33E-05	-0. 17176	0. 032	0. 137	0. 198818	Tcell	THAP3
AC004951. 1	1. 34E-05	-0. 14577	0. 045	0. 158	0. 199627	Tcell	AC004951. 6
NOL12. 5	1. 34E-05	-0. 17274	0. 086	0. 223	0. 199873	Tcell	NOL12
AASDH. 7	1. 34E-05	-0. 16461	0. 05	0. 166	0. 200449	Tcell	AASDH
DNAL1. 4	1. 34E-05	-0. 13377	0. 014	0. 105	0. 200547	Tcell	DNAL1
GADD45GIP1	1. 34E-05	-0. 22463	0. 332	0. 567	0. 20075	Tcell	GADD45GIP1
MUT. 7	1. 35E-05	-0. 14894	0. 045	0. 159	0. 201262	Tcell	MUT
TOPORS-AS1	1. 35E-05	0. 598008	0. 227	0. 146	0. 201455	Tcell	TOPORS-AS1
COMMD2. 8	1. 36E-05	-0. 14041	0. 132	0. 292	0. 202534	Tcell	COMMD2
EXOG. 11	1. 36E-05	-0. 15694	0. 045	0. 158	0. 202812	Tcell	EXOG
HIGD2A. 1C	1. 36E-05	0. 261679	0. 605	0. 619	0. 203276	Tcell	HIGD2A
ZNF436. 8	1. 37E-05	-0. 16235	0	0. 079	0. 205034	Tcell	ZNF436
CEP63. 7	1. 37E-05	-0. 15929	0. 059	0. 18	0. 205162	Tcell	CEP63
PGPEP1. 6	1. 37E-05	-0. 20171	0. 032	0. 136	0. 205203	Tcell	PGPEP1
RAB14. 5	1. 38E-05	-0. 14836	0. 218	0. 42	0. 206779	Tcell	RAB14
KLHDC8B. 7	1. 38E-05	-0. 15239	0. 014	0. 105	0. 20694	Tcell	KLHDC8B
WASF1. 9	1. 39E-05	-0. 22808	0. 009	0. 096	0. 207161	Tcell	WASF1
CXXC4. 11	1. 40E-05	-0. 2148	0	0. 079	0. 209887	Tcell	CXXC4
TMEM150A. 1	1. 42E-05	-0. 19477	0. 041	0. 151	0. 211833	Tcell	TMEM150A
STK19. 4	1. 42E-05	-0. 17406	0. 027	0. 128	0. 212228	Tcell	STK19
EYA2. 5	1. 42E-05	-0. 18408	0	0. 079	0. 212356	Tcell	EYA2
TMEM67. 9	1. 43E-05	-0. 14636	0. 009	0. 097	0. 213111	Tcell	TMEM67
RBPJ. 9	1. 43E-05	-0. 12322	0. 245	0. 473	0. 213556	Tcell	RBPJ



NDUFB7.7	1.43E-05	-0.26433	0.459	0.725	0.213744	Tcell	NDUFB7
LSM1.6	1.43E-05	-0.21084	0.25	0.46	0.214232	Tcell	LSM1
ALOX5.14	1.44E-05	-0.36524	0.036	0.14	0.214681	Tcell	ALOX5
FAM135A.3	1.44E-05	-0.23694	0.005	0.088	0.21526	Tcell	FAM135A
TRAF5.2	1.44E-05	0.378599	0.118	0.055	0.215431	Tcell	TRAF5
TMEM245.5	1.45E-05	-0.17078	0.032	0.135	0.2171	Tcell	TMEM245
RP11-798M	1.46E-05	-0.17732	0.041	0.151	0.218024	Tcell	RP11-798M19.6
LMBR1.9	1.47E-05	-0.19051	0.018	0.112	0.219846	Tcell	LMBR1
ADAMTS9.1	1.47E-05	-0.18159	0	0.079	0.219936	Tcell	ADAMTS9
ICMT.6	1.48E-05	-0.17445	0.032	0.135	0.220672	Tcell	ICMT
FAM192A.8	1.49E-05	-0.13388	0.177	0.361	0.222009	Tcell	FAM192A
NCOA4.13	1.49E-05	-0.18192	0.118	0.265	0.222518	Tcell	NCOA4
LSM10.3	1.50E-05	-0.11913	0.218	0.416	0.223851	Tcell	LSM10
ZNF768.6	1.50E-05	-0.17077	0.009	0.096	0.224877	Tcell	ZNF768
KLHL35.12	1.51E-05	-0.34701	0.009	0.095	0.22607	Tcell	KLHL35
MOB3B.8	1.52E-05	-0.2556	0.009	0.095	0.227295	Tcell	MOB3B
IL23A.1	1.53E-05	0.205605	0.036	0.009	0.228571	Tcell	IL23A
CLASRP.3	1.53E-05	-0.12145	0.041	0.151	0.228921	Tcell	CLASRP
C19orf43.1	1.54E-05	0.223706	0.614	0.674	0.230224	Tcell	C19orf43
LRRTM2.12	1.54E-05	-0.19212	0.014	0.104	0.23051	Tcell	LRRTM2
LINC00493	1.56E-05	-0.19207	0.305	0.534	0.232962	Tcell	LINC00493
ADNP.12	1.56E-05	-0.12042	0.068	0.195	0.233776	Tcell	ADNP
ABHD6.4	1.56E-05	-0.1999	0.014	0.104	0.233795	Tcell	ABHD6
MINA.2	1.57E-05	-0.18924	0.032	0.135	0.234202	Tcell	MINA
CMTM6.14	1.57E-05	-0.1483	0.227	0.429	0.234568	Tcell	CMTM6
DLX2.13	1.57E-05	-0.3471	0.018	0.11	0.234638	Tcell	DLX2
SNHG10.8	1.57E-05	-0.20704	0.009	0.095	0.234946	Tcell	SNHG10
FAXC.11	1.57E-05	-0.21938	0.005	0.087	0.235311	Tcell	FAXC
MARS.6	1.57E-05	-0.11119	0.077	0.208	0.235363	Tcell	MARS
MAPK7.10	1.58E-05	-0.17902	0.027	0.127	0.235752	Tcell	MAPK7
RRP9.7	1.58E-05	-0.11726	0.045	0.159	0.235903	Tcell	RRP9
TMEM192.4	1.58E-05	-0.20961	0.068	0.192	0.236677	Tcell	TMEM192
ZSCAN21.9	1.59E-05	-0.21374	0.014	0.104	0.237167	Tcell	ZSCAN21
CLCN7.4	1.59E-05	-0.14067	0.045	0.157	0.237168	Tcell	CLCN7
TMEM223.4	1.59E-05	-0.13817	0.091	0.227	0.237457	Tcell	TMEM223
CASD1.9	1.60E-05	-0.21803	0	0.078	0.238682	Tcell	CASD1
GADD45B.1	1.60E-05	-0.27627	0.309	0.494	0.238769	Tcell	GADD45B
ACAT1.6	1.60E-05	-0.1783	0.186	0.37	0.239447	Tcell	ACAT1
SH3BP4.5	1.62E-05	-0.20252	0	0.078	0.241486	Tcell	SH3BP4
ZNF516.4	1.63E-05	-0.18096	0.009	0.096	0.243233	Tcell	ZNF516
YTHDF1.6	1.65E-05	-0.16729	0.064	0.185	0.245943	Tcell	YTHDF1
PTK7.8	1.65E-05	-0.15766	0.009	0.095	0.246288	Tcell	PTK7
MITF.11	1.65E-05	-0.25463	0.009	0.095	0.246619	Tcell	MITF
LMAN1.8	1.65E-05	-0.16616	0.164	0.332	0.246818	Tcell	LMAN1
RMDN3.6	1.66E-05	-0.1206	0.1	0.243	0.24735	Tcell	RMDN3
C9orf9.9	1.66E-05	-0.188	0.018	0.112	0.247414	Tcell	C9orf9
UBR4.5	1.66E-05	-0.22151	0.041	0.147	0.24838	Tcell	UBR4
PCCB.5	1.67E-05	-0.16537	0.059	0.176	0.248824	Tcell	PCCB
P2RY13.12	1.67E-05	-0.43963	0.005	0.086	0.249763	Tcell	P2RY13
ACTL6B.11	1.67E-05	-0.29927	0	0.078	0.250095	Tcell	ACTL6B
TRIM28.1C	1.68E-05	-0.16479	0.109	0.252	0.251603	Tcell	TRIM28

RUFY2.12	1.69E-05	-0.10592	0.041	0.151	0.251819	Tcell	RUFY2
C12orf73.	1.69E-05	-0.15518	0.045	0.156	0.252478	Tcell	C12orf73
HOXD11.9	1.69E-05	-0.16158	0	0.078	0.253032	Tcell	HOXD11
FAM171A1.	1.69E-05	-0.19129	0	0.078	0.253032	Tcell	FAM171A1
SYT1.13	1.69E-05	-0.35087	0.014	0.101	0.253222	Tcell	SYT1
ATG4B.4	1.69E-05	-0.16098	0.127	0.279	0.253282	Tcell	ATG4B
FER.5	1.70E-05	-0.17752	0.009	0.095	0.25437	Tcell	FER
RIPK2.12	1.71E-05	-0.24159	0.055	0.17	0.254848	Tcell	RIPK2
FANCL.8	1.71E-05	-0.28636	0.041	0.145	0.254892	Tcell	FANCL
ASH2L.6	1.71E-05	-0.1795	0.059	0.179	0.255112	Tcell	ASH2L
QSER1.10	1.73E-05	-0.10992	0.023	0.12	0.258197	Tcell	QSER1
DMRTA2.8	1.73E-05	-0.16535	0	0.078	0.259008	Tcell	DMRTA2
SEC31A.2	1.74E-05	-0.10878	0.091	0.23	0.25936	Tcell	SEC31A
CIAO1.6	1.75E-05	-0.10636	0.105	0.245	0.260793	Tcell	CIAO1
EMP2.7	1.75E-05	-0.30272	0.018	0.11	0.260819	Tcell	EMP2
LMNA.10	1.75E-05	-0.11622	0.214	0.42	0.261935	Tcell	LMNA
PHLPP1.12	1.76E-05	-0.23312	0.005	0.086	0.262695	Tcell	PHLPP1
SQLE.11	1.77E-05	-0.1021	0.109	0.251	0.263763	Tcell	SQLE
WDR77.4	1.77E-05	-0.19244	0.082	0.212	0.264084	Tcell	WDR77
OSMR.11	1.77E-05	-0.16151	0.005	0.086	0.264406	Tcell	OSMR
RIT2.10	1.77E-05	-0.32933	0	0.078	0.265124	Tcell	RIT2
OPA3.2	1.78E-05	-0.16925	0.018	0.111	0.266728	Tcell	OPA3
NSMF.7	1.80E-05	-0.16958	0.023	0.118	0.269562	Tcell	NSMF
NKAIN4.9	1.81E-05	-0.31407	0.014	0.103	0.270475	Tcell	NKAIN4
ARHGAP32.	1.81E-05	-0.19969	0.005	0.086	0.270965	Tcell	ARHGAP32
C3AR1.14	1.82E-05	-0.32079	0.109	0.241	0.271606	Tcell	C3AR1
TTC14.4	1.82E-05	-0.14435	0.123	0.272	0.272688	Tcell	TTC14
RNASEH2C.	1.84E-05	-0.18614	0.195	0.377	0.275267	Tcell	RNASEH2C
FAM57B.12	1.85E-05	-0.25459	0.009	0.094	0.276655	Tcell	FAM57B
TGFB1.13	1.85E-05	0.490249	0.323	0.243	0.276909	Tcell	TGFB1
KDM3B.3	1.86E-05	-0.20563	0.018	0.111	0.277593	Tcell	KDM3B
PSEN1.4	1.86E-05	-0.21845	0.064	0.181	0.277999	Tcell	PSEN1
PITX1.10	1.86E-05	-0.12677	0.005	0.086	0.27851	Tcell	PITX1
SORBS1.9	1.87E-05	-0.16644	0.009	0.094	0.279353	Tcell	SORBS1
COA6.7	1.87E-05	-0.14605	0.127	0.279	0.27987	Tcell	COA6
CEP89.9	1.90E-05	-0.15225	0.032	0.132	0.283992	Tcell	CEP89
CASP4.12	1.91E-05	0.458912	0.314	0.226	0.285741	Tcell	CASP4
DCHS1.10	1.91E-05	-0.1673	0.005	0.086	0.285823	Tcell	DCHS1
ACTR3B.10	1.91E-05	-0.18935	0.018	0.109	0.286155	Tcell	ACTR3B
PSMB6.3	1.93E-05	-0.29168	0.432	0.701	0.288549	Tcell	PSMB6
TK2.5	1.93E-05	-0.19384	0.027	0.126	0.288824	Tcell	TK2
GM2A.11	1.94E-05	-0.27889	0.041	0.145	0.289615	Tcell	GM2A
ARHGAP25.	1.94E-05	0.403417	0.132	0.065	0.289772	Tcell	ARHGAP25
ZNF532.8	1.94E-05	-0.16121	0.009	0.094	0.289827	Tcell	ZNF532
SCRN3.7	1.95E-05	-0.12857	0.014	0.103	0.290683	Tcell	SCRN3
MPHOSPH10	1.95E-05	-0.12672	0.1	0.24	0.291161	Tcell	MPHOSPH10
CHST7.10	1.96E-05	-0.14039	0.018	0.111	0.293385	Tcell	CHST7
RPS6KL1.1	1.98E-05	-0.19873	0.014	0.102	0.29518	Tcell	RPS6KL1
C17orf80.	1.98E-05	-0.17571	0.005	0.086	0.295195	Tcell	C17orf80
FGFBP3.9	1.99E-05	-0.17544	0.014	0.102	0.297719	Tcell	FGFBP3
PBRM1.10	1.99E-05	-0.14675	0.105	0.242	0.297904	Tcell	PBRM1

MSL1. 5	2. 00E-05	-0. 15709	0. 05	0. 16	0. 298804	Tcell	MSL1
MBIP. 10	2. 02E-05	-0. 20755	0. 064	0. 182	0. 302212	Tcell	MBIP
B9D1. 8	2. 02E-05	-0. 1976	0. 014	0. 102	0. 302527	Tcell	B9D1
SEPT9. 8	2. 03E-05	0. 5244	0. 386	0. 34	0. 303392	Tcell	9-Sep
SMAP2. 11	2. 03E-05	0. 48132	0. 318	0. 235	0. 303907	Tcell	SMAP2
CELSR2. 9	2. 04E-05	-0. 11563	0. 009	0. 094	0. 304727	Tcell	CELSR2
CSE1L. 11	2. 05E-05	-0. 11676	0. 091	0. 225	0. 305705	Tcell	CSE1L
KBTBD6. 9	2. 05E-05	-0. 15026	0. 032	0. 133	0. 306803	Tcell	KBTBD6
RP11-448A	2. 06E-05	-0. 19624	0. 009	0. 094	0. 307994	Tcell	RP11-448A19. 1
SLC12A5. 9	2. 06E-05	-0. 27525	0. 009	0. 094	0. 308462	Tcell	SLC12A5
DYX1C1. 1	2. 06E-05	-0. 22535	0	0. 076	0. 308512	Tcell	DYX1C1
HYOU1. 5	2. 08E-05	-0. 10659	0. 036	0. 141	0. 310266	Tcell	HYOU1
GEMIN7. 4	2. 08E-05	-0. 16094	0. 05	0. 162	0. 311077	Tcell	GEMIN7
PLEKHH3. 7	2. 09E-05	-0. 15215	0. 005	0. 085	0. 31197	Tcell	PLEKHH3
KIAA0895L	2. 10E-05	-0. 20403	0. 009	0. 093	0. 314031	Tcell	KIAA0895L
HMG2. 5	2. 11E-05	0. 163107	0. 632	0. 631	0. 314584	Tcell	HMG2
BEX2. 12	2. 11E-05	-0. 24961	0. 118	0. 26	0. 314869	Tcell	BEX2
EPHB2. 5	2. 12E-05	-0. 16165	0. 005	0. 085	0. 316502	Tcell	EPHB2
HNRNPH2. 5	2. 12E-05	-0. 19209	0. 214	0. 404	0. 317427	Tcell	HNRNPH2
EIF2B3. 3	2. 14E-05	-0. 15365	0. 059	0. 175	0. 319057	Tcell	EIF2B3
UBAP2L. 4	2. 14E-05	-0. 10403	0. 086	0. 219	0. 319082	Tcell	UBAP2L
YES1. 8	2. 14E-05	-0. 15839	0. 032	0. 132	0. 319163	Tcell	YES1
FAM172A. 8	2. 14E-05	-0. 1218	0. 073	0. 198	0. 319419	Tcell	FAM172A
MIER2. 3	2. 16E-05	-0. 16175	0. 018	0. 11	0. 322424	Tcell	MIER2
SMAD4. 6	2. 16E-05	-0. 18787	0. 027	0. 124	0. 322783	Tcell	SMAD4
FAM103A1. 2	2. 16E-05	-0. 16645	0. 105	0. 245	0. 323212	Tcell	FAM103A1
LMO1. 12	2. 16E-05	-0. 27264	0	0. 076	0. 323225	Tcell	LMO1
MIB1. 4	2. 18E-05	-0. 15276	0. 009	0. 093	0. 325819	Tcell	MIB1
DFFA. 7	2. 18E-05	-0. 1543	0. 091	0. 222	0. 325859	Tcell	DFFA
CRTC1. 2	2. 19E-05	-0. 15589	0. 009	0. 093	0. 327103	Tcell	CRTC1
MSM01. 8	2. 19E-05	-0. 17032	0. 077	0. 203	0. 327122	Tcell	MSM01
C14orf132	2. 20E-05	-0. 28359	0. 009	0. 093	0. 328293	Tcell	C14orf132
CEBPA. 13	2. 20E-05	-0. 35965	0. 018	0. 106	0. 328791	Tcell	CEBPA
YIPF5. 6	2. 20E-05	-0. 10581	0. 118	0. 264	0. 328944	Tcell	YIPF5
SNX12. 2	2. 22E-05	-0. 19007	0. 032	0. 132	0. 331178	Tcell	SNX12
ARSD. 2	2. 22E-05	-0. 23924	0. 009	0. 092	0. 331494	Tcell	ARSD
CEBPG. 3	2. 22E-05	-0. 13528	0. 109	0. 251	0. 331932	Tcell	CEBPG
PIP5K1C. 3	2. 22E-05	-0. 13235	0. 018	0. 11	0. 331991	Tcell	PIP5K1C
UPF1. 2	2. 23E-05	-0. 19967	0. 009	0. 093	0. 332817	Tcell	UPF1
NTRK2. 9	2. 24E-05	-0. 3857	0. 027	0. 122	0. 334928	Tcell	NTRK2
AMER2. 10	2. 27E-05	-0. 31306	0. 023	0. 116	0. 339722	Tcell	AMER2
C19orf52. 2	2. 27E-05	-0. 13551	0. 059	0. 176	0. 339857	Tcell	C19orf52
ANGPTL2. 8	2. 28E-05	-0. 22435	0. 014	0. 101	0. 341062	Tcell	ANGPTL2
WDR3. 4	2. 29E-05	-0. 18126	0. 014	0. 101	0. 342704	Tcell	WDR3
GNL2. 6	2. 30E-05	-0. 20428	0. 082	0. 209	0. 344243	Tcell	GNL2
TAF9B. 10	2. 31E-05	-0. 15843	0. 041	0. 146	0. 344547	Tcell	TAF9B
MACROD1. 7	2. 31E-05	-0. 17122	0. 027	0. 124	0. 345467	Tcell	MACROD1
RFXANK. 8	2. 32E-05	-0. 14182	0. 159	0. 328	0. 346332	Tcell	RFXANK
AFMID. 7	2. 34E-05	-0. 31433	0. 018	0. 107	0. 350421	Tcell	AFMID
LRRC17. 1C	2. 35E-05	-0. 22344	0	0. 075	0. 350663	Tcell	LRRC17
IKBIP. 11	2. 35E-05	-0. 25725	0. 1	0. 229	0. 351189	Tcell	IKBIP

LRRCC1.9	2.35E-05	-0.21571	0.036	0.137	0.351273	Tcell	LRRCC1
GLDN.13	2.35E-05	-0.36633	0.014	0.098	0.351863	Tcell	GLDN
ATP6V1H.5	2.37E-05	-0.11601	0.159	0.326	0.354518	Tcell	ATP6V1H
ELAC1.1	2.39E-05	-0.18574	0.027	0.124	0.356435	Tcell	ELAC1
MEA1.5	2.39E-05	-0.14314	0.232	0.437	0.357562	Tcell	MEA1
ABR.9	2.40E-05	-0.15897	0.041	0.147	0.358921	Tcell	ABR
MPND.4	2.41E-05	-0.15952	0.009	0.092	0.359834	Tcell	MPND
FUS.6	2.42E-05	0.290518	0.591	0.644	0.361404	Tcell	FUS
TPGS2.7	2.43E-05	-0.14257	0.173	0.342	0.362483	Tcell	TPGS2
CHMP2A.7	2.43E-05	-0.25877	0.409	0.66	0.363031	Tcell	CHMP2A
GPR155.1C	2.44E-05	-0.13865	0.068	0.189	0.365128	Tcell	GPR155
RGS6.10	2.45E-05	-0.2065	0.009	0.092	0.366853	Tcell	RGS6
PANK3.4	2.46E-05	-0.18881	0.023	0.116	0.367688	Tcell	PANK3
RCHY1.8	2.47E-05	-0.19981	0.077	0.202	0.36927	Tcell	RCHY1
ATXN7L3B.2	2.47E-05	-0.13005	0.064	0.183	0.369575	Tcell	ATXN7L3B
TMEM156.1	2.49E-05	0.383454	0.118	0.055	0.371536	Tcell	TMEM156
SLC23A2.4	2.49E-05	-0.12942	0.018	0.109	0.372104	Tcell	SLC23A2
SUPT4H1.6	2.50E-05	-0.13196	0.277	0.499	0.373485	Tcell	SUPT4H1
PATL2	2.50E-05	0.197154	0.036	0.009	0.373832	Tcell	PATL2
MICU3.9	2.51E-05	-0.21941	0.005	0.084	0.374868	Tcell	MICU3
KPNB1.12	2.51E-05	-0.12071	0.241	0.452	0.375581	Tcell	KPNB1
TMEM119.1	2.52E-05	-0.37402	0.018	0.107	0.375941	Tcell	TMEM119
ZMAT2.4	2.52E-05	-0.16372	0.232	0.424	0.376429	Tcell	ZMAT2
REEP6.2	2.52E-05	-0.16343	0.005	0.084	0.377131	Tcell	REEP6
RAB40B.11	2.55E-05	-0.17009	0.032	0.132	0.38159	Tcell	RAB40B
GCLM.7	2.56E-05	-0.15064	0.05	0.16	0.381906	Tcell	GCLM
TMEM129.6	2.56E-05	-0.14267	0.059	0.174	0.382059	Tcell	TMEM129
DDX39A.9	2.57E-05	-0.15623	0.209	0.396	0.383419	Tcell	DDX39A
C17orf10C	2.57E-05	-0.15639	0.009	0.092	0.383973	Tcell	C17orf100
YTHDF3.2	2.57E-05	-0.14694	0.036	0.138	0.383997	Tcell	YTHDF3
DLG4.5	2.58E-05	-0.19238	0	0.075	0.384854	Tcell	DLG4
LRFN4.6	2.61E-05	-0.15004	0	0.075	0.389353	Tcell	LRFN4
TNKS1BP1.2	2.61E-05	-0.16495	0	0.075	0.389353	Tcell	TNKS1BP1
CCDC14.11	2.61E-05	-0.1544	0.095	0.229	0.389492	Tcell	CCDC14
ZNF426.9	2.61E-05	-0.21704	0.023	0.114	0.390146	Tcell	ZNF426
NTHL1.8	2.61E-05	-0.1137	0.068	0.19	0.390471	Tcell	NTHL1
IFITM10.8	2.61E-05	-0.27739	0.032	0.127	0.390684	Tcell	IFITM10
EPS15L1.8	2.63E-05	-0.13059	0.055	0.168	0.392291	Tcell	EPS15L1
RRAS.6	2.64E-05	-0.18812	0.018	0.108	0.394574	Tcell	RRAS
TARS.7	2.64E-05	-0.14253	0.095	0.229	0.394812	Tcell	TARS
APH1B.10	2.64E-05	-0.27511	0.032	0.129	0.395197	Tcell	APH1B
LRRFIP2.7	2.65E-05	-0.13551	0.068	0.19	0.395815	Tcell	LRRFIP2
FLCN.7	2.65E-05	-0.1794	0.036	0.138	0.395839	Tcell	FLCN
EPHA4.11	2.65E-05	-0.19515	0.005	0.083	0.396065	Tcell	EPHA4
PIANP.10	2.65E-05	-0.15781	0.005	0.083	0.396424	Tcell	PIANP
DNAJC12.4	2.65E-05	-0.25779	0.005	0.083	0.396445	Tcell	DNAJC12
SLC4A1	2.67E-05	0.125158	0.014	0.002	0.398262	Tcell	SLC4A1
TRIM16L.5	2.67E-05	-0.17589	0	0.074	0.398509	Tcell	TRIM16L
NLGN3.12	2.68E-05	-0.15937	0.023	0.115	0.400807	Tcell	NLGN3
CEP78.11	2.68E-05	-0.16938	0.023	0.115	0.40091	Tcell	CEP78
DSTYK.6	2.71E-05	-0.2082	0.027	0.122	0.404495	Tcell	DSTYK

CTNNBIP1.	2.72E-05	-0.1048	0.086	0.217	0.406471	Tcell	CTNNBIP1
DNM1.8	2.73E-05	-0.14942	0	0.074	0.407878	Tcell	DNM1
CTA-29F11	2.74E-05	-0.11444	0.077	0.203	0.408826	Tcell	CTA-29F11.1
ACTR10.6	2.74E-05	-0.17577	0.186	0.363	0.409586	Tcell	ACTR10
TRIP10.5	2.75E-05	-0.14233	0.014	0.1	0.410714	Tcell	TRIP10
RBL2.2	2.75E-05	0.567129	0.205	0.128	0.411251	Tcell	RBL2
RCOR3.2	2.76E-05	-0.16252	0.032	0.13	0.412256	Tcell	RCOR3
RYK.6	2.77E-05	-0.15049	0.009	0.092	0.413599	Tcell	RYK
DNAL4.5	2.77E-05	-0.17758	0.032	0.13	0.414467	Tcell	DNAL4
SATB2.6	2.79E-05	-0.15327	0	0.074	0.417465	Tcell	SATB2
LONP1.6	2.80E-05	-0.12057	0.082	0.207	0.419066	Tcell	LONP1
ZNF667.8	2.81E-05	-0.18641	0.005	0.083	0.420459	Tcell	ZNF667
DMXL2.7	2.82E-05	-0.22295	0.005	0.083	0.421972	Tcell	DMXL2
ACSS2.2	2.84E-05	-0.1683	0.005	0.083	0.423853	Tcell	ACSS2
PTPRD.11	2.86E-05	-0.26268	0	0.074	0.427275	Tcell	PTPRD
NAPG.1	2.87E-05	-0.11302	0.05	0.16	0.429262	Tcell	NAPG
FIG4.3	2.87E-05	-0.21352	0.018	0.107	0.429637	Tcell	FIG4
FCGR2B.14	2.89E-05	-0.44944	0.045	0.146	0.431522	Tcell	FCGR2B
SMCO4.14	2.89E-05	-0.28536	0.036	0.134	0.432361	Tcell	SMCO4
NUMBL.9	2.90E-05	-0.16964	0.009	0.091	0.433036	Tcell	NUMBL
SLC29A1.1	2.90E-05	-0.37108	0.041	0.139	0.433256	Tcell	SLC29A1
CHAMP1.8	2.90E-05	-0.13118	0.032	0.13	0.433342	Tcell	CHAMP1
MIR181A1H	2.90E-05	-0.21976	0.023	0.114	0.433533	Tcell	MIR181A1HG
RP11-834C	2.90E-05	-0.32128	0.014	0.098	0.43364	Tcell	RP11-834C11.4
C6orf203.	2.92E-05	-0.12589	0.055	0.168	0.436521	Tcell	C6orf203
CACNA1A.1	2.92E-05	-0.32156	0.014	0.097	0.437024	Tcell	CACNA1A
BRINP2.9	2.93E-05	-0.18084	0	0.074	0.437314	Tcell	BRINP2
DNAJA1.6	2.94E-05	0.334787	0.586	0.629	0.438889	Tcell	DNAJA1
C16orf72.	2.94E-05	-0.18185	0.032	0.129	0.439105	Tcell	C16orf72
BBIP1.6	2.96E-05	-0.15768	0.064	0.18	0.442901	Tcell	BBIP1
AMOTL2.9	2.96E-05	-0.24101	0.005	0.082	0.443043	Tcell	AMOTL2
GTF3C6.6	2.97E-05	-0.16682	0.286	0.518	0.443398	Tcell	GTF3C6
ZNF649.11	2.98E-05	-0.145	0.009	0.091	0.445838	Tcell	ZNF649
PLEC.11	2.99E-05	-0.14039	0.068	0.189	0.446176	Tcell	PLEC
CCDC80.11	3.00E-05	-0.24504	0.023	0.114	0.448274	Tcell	CCDC80
TTI1.8	3.01E-05	-0.18424	0.014	0.098	0.449161	Tcell	TTI1
EDEM2.8	3.01E-05	-0.15275	0.105	0.243	0.450318	Tcell	EDEM2
PEX11G.4	3.03E-05	-0.18267	0	0.074	0.452811	Tcell	PEX11G
HPGDS.13	3.03E-05	-0.37386	0.009	0.091	0.453162	Tcell	HPGDS
AC009506.	3.04E-05	-0.22936	0.005	0.082	0.453757	Tcell	AC009506.1
CRY1.7	3.05E-05	-0.14444	0.036	0.138	0.456304	Tcell	CRY1
RP4-728D4	3.06E-05	0.337564	0.05	0.015	0.457928	Tcell	RP4-728D4.2
ENKUR.10	3.07E-05	-0.23366	0	0.073	0.458096	Tcell	ENKUR
MARCH3.7	3.08E-05	-0.27231	0.018	0.106	0.46018	Tcell	3-Mar
RNF170.5	3.08E-05	-0.163	0.055	0.167	0.461011	Tcell	RNF170
SYMPK.8	3.09E-05	-0.16039	0.095	0.225	0.461791	Tcell	SYMPK
SLC20A2.6	3.09E-05	-0.19425	0.023	0.114	0.462042	Tcell	SLC20A2
COL22A1.1	3.10E-05	-0.15628	0	0.073	0.463443	Tcell	COL22A1
SCN3B.9	3.10E-05	-0.26721	0	0.073	0.463443	Tcell	SCN3B
RABEPK.9	3.11E-05	-0.13417	0.077	0.202	0.464688	Tcell	RABEPK
CCDC86.2	3.11E-05	-0.15459	0.018	0.107	0.464913	Tcell	CCDC86

PHPT1.4	3.12E-05	-0.26505	0.409	0.656	0.465779	Tcell	PHPT1
HEXIM2.4	3.13E-05	-0.187	0.005	0.082	0.467246	Tcell	HEXIM2
NRBP2.9	3.13E-05	-0.109	0.027	0.123	0.467252	Tcell	NRBP2
SMIM4.8	3.14E-05	-0.12293	0.123	0.27	0.46861	Tcell	SMIM4
P4HA2.8	3.17E-05	-0.16901	0.005	0.082	0.473732	Tcell	P4HA2
SCN3A.11	3.17E-05	-0.22844	0	0.073	0.474322	Tcell	SCN3A
FBXO11.9	3.19E-05	-0.13631	0.082	0.208	0.477307	Tcell	FBXO11
C9orf3.11	3.22E-05	-0.21471	0.018	0.106	0.481942	Tcell	C9orf3
TSPAN2	3.23E-05	0.14389	0.027	0.006	0.482408	Tcell	TSPAN2
AC091729.	3.26E-05	-0.16863	0.005	0.082	0.487181	Tcell	AC091729.9
VTI1B.6	3.28E-05	-0.10073	0.177	0.35	0.490391	Tcell	VTI1B
POMT2.5	3.29E-05	-0.16807	0	0.073	0.491118	Tcell	POMT2
NANS.12	3.30E-05	-0.16387	0.195	0.363	0.492806	Tcell	NANS
FBP1.14	3.31E-05	-0.33603	0.027	0.119	0.49464	Tcell	FBP1
SYNM.9	3.32E-05	-0.15081	0	0.073	0.496846	Tcell	SYNM
KAZN.9	3.32E-05	-0.19224	0	0.073	0.496846	Tcell	KAZN
ANAPC15.7	3.33E-05	-0.10636	0.123	0.264	0.49699	Tcell	ANAPC15
H2AFY2.6	3.33E-05	-0.17065	0.018	0.105	0.497436	Tcell	H2AFY2
ARL10.9	3.35E-05	-0.15075	0.009	0.09	0.50034	Tcell	ARL10
LAGE3.6	3.35E-05	-0.13845	0.209	0.402	0.500526	Tcell	LAGE3
SPRYD7.3	3.35E-05	-0.15105	0.064	0.178	0.500903	Tcell	SPRYD7
PCBP2.7	3.35E-05	0.278862	0.605	0.664	0.501363	Tcell	PCBP2
RPS6KA2.5	3.36E-05	-0.1961	0.023	0.113	0.501769	Tcell	RPS6KA2
TIPRL.7	3.37E-05	-0.12862	0.127	0.268	0.503699	Tcell	TIPRL
UNC93B1.1	3.38E-05	-0.19091	0.082	0.203	0.504715	Tcell	UNC93B1
FAM200A.8	3.38E-05	-0.19837	0.014	0.098	0.505418	Tcell	FAM200A
TMEM108.7	3.39E-05	-0.15767	0.005	0.082	0.506165	Tcell	TMEM108
TMEM106C.	3.39E-05	-0.12267	0.123	0.269	0.506759	Tcell	TMEM106C
SNHG8.8	3.39E-05	0.373242	0.486	0.468	0.507055	Tcell	SNHG8
DPY19L3.6	3.40E-05	-0.1583	0.009	0.09	0.50801	Tcell	DPY19L3
NECAP1.1C	3.40E-05	-0.15275	0.077	0.201	0.508757	Tcell	NECAP1
KIAA0226L	3.42E-05	-0.27108	0.014	0.097	0.511229	Tcell	KIAA0226L
INTS10.6	3.43E-05	-0.10028	0.145	0.305	0.512877	Tcell	INTS10
ADD2.11	3.44E-05	-0.18764	0.009	0.09	0.513599	Tcell	ADD2
EXOSC5.2	3.45E-05	-0.22471	0.068	0.183	0.516096	Tcell	EXOSC5
PLAT.10	3.46E-05	-0.20168	0.027	0.121	0.517766	Tcell	PLAT
GPATCH4.6	3.47E-05	-0.10317	0.073	0.195	0.51837	Tcell	GPATCH4
TMEM47.11	3.47E-05	-0.15248	0.005	0.081	0.518678	Tcell	TMEM47
TRAK1.3	3.47E-05	-0.15697	0.014	0.098	0.518842	Tcell	TRAK1
KCNMB1.13	3.48E-05	-0.34357	0.018	0.104	0.520211	Tcell	KCNMB1
PHF6.9	3.50E-05	-0.10908	0.059	0.172	0.522416	Tcell	PHF6
MTRNR2L1.	3.51E-05	-0.38582	0.082	0.195	0.524682	Tcell	MTRNR2L1
AK3.4	3.51E-05	-0.11955	0.105	0.24	0.524704	Tcell	AK3
STYXL1.6	3.52E-05	-0.19528	0.032	0.128	0.525308	Tcell	STYXL1
OPHN1.10	3.52E-05	-0.22204	0	0.072	0.526495	Tcell	OPHN1
ZBED3.9	3.53E-05	-0.15513	0.009	0.09	0.527489	Tcell	ZBED3
UBE2Q1.5	3.57E-05	-0.14043	0.055	0.163	0.533651	Tcell	UBE2Q1
PDP1.8	3.58E-05	-0.15513	0.032	0.128	0.534656	Tcell	PDP1
FAM133B.6	3.58E-05	-0.17178	0.264	0.475	0.534936	Tcell	FAM133B
HMBOX1.11	3.58E-05	-0.1164	0.073	0.195	0.535108	Tcell	HMBOX1
MTMR11.7	3.61E-05	-0.20165	0	0.072	0.538839	Tcell	MTMR11

NUAK1.6	3.61E-05	-0.21444	0	0.072	0.538839	Tcell	NUAK1
HPS4.6	3.62E-05	-0.1497	0.068	0.185	0.54082	Tcell	HPS4
BRD2.5	3.62E-05	0.439105	0.464	0.453	0.541037	Tcell	BRD2
AHNAK.7	3.63E-05	0.614953	0.191	0.117	0.542079	Tcell	AHNAK
DUSP26.1C	3.63E-05	-0.29289	0.009	0.089	0.5429	Tcell	DUSP26
CXCL14.9	3.63E-05	-0.16975	0.041	0.143	0.543073	Tcell	CXCL14
ZADH2.4	3.64E-05	-0.16897	0.018	0.105	0.543831	Tcell	ZADH2
UBE2A.5	3.64E-05	-0.12606	0.227	0.426	0.544456	Tcell	UBE2A
PTAFR.14	3.65E-05	-0.32599	0.032	0.127	0.546004	Tcell	PTAFR
PEX19.1	3.66E-05	-0.1365	0.059	0.171	0.546958	Tcell	PEX19
CX3CR1.13	3.67E-05	-0.40965	0.018	0.103	0.548331	Tcell	CX3CR1
MSANTD3.8	3.68E-05	-0.19116	0.009	0.089	0.549918	Tcell	MSANTD3
DDR GK1.7	3.68E-05	-0.12264	0.223	0.421	0.549968	Tcell	DDR GK1
TSC22D2.7	3.69E-05	-0.16069	0.05	0.159	0.5513	Tcell	TSC22D2
EPB41L1.9	3.70E-05	-0.1518	0.009	0.089	0.552352	Tcell	EPB41L1
MDFI.11	3.74E-05	-0.20543	0.009	0.089	0.559267	Tcell	MDFI
CHMP5.3	3.74E-05	-0.13958	0.314	0.536	0.559382	Tcell	CHMP5
FAM60A.8	3.76E-05	-0.13779	0.064	0.177	0.56162	Tcell	FAM60A
NOS1AP.1C	3.76E-05	-0.18057	0.005	0.081	0.562379	Tcell	NOS1AP
LZIC.4	3.81E-05	-0.16613	0.068	0.184	0.569636	Tcell	LZIC
GJA1.7	3.82E-05	-0.32037	0.005	0.08	0.57135	Tcell	GJA1
ICAM1.10	3.83E-05	-0.22958	0.059	0.166	0.572096	Tcell	ICAM1
DECR1.7	3.84E-05	-0.13205	0.223	0.416	0.573467	Tcell	DECR1
DDX54.6	3.84E-05	-0.10093	0.077	0.201	0.573974	Tcell	DDX54
PCDHB2.1C	3.86E-05	-0.15139	0.005	0.081	0.576253	Tcell	PCDHB2
SMAD9.9	3.87E-05	-0.20875	0	0.072	0.577618	Tcell	SMAD9
LINC01102	3.87E-05	-0.25644	0	0.072	0.577618	Tcell	LINC01102
ASNSD1.1C	3.88E-05	-0.10513	0.127	0.274	0.579942	Tcell	ASNSD1
FAM46A.1C	3.89E-05	-0.15036	0.077	0.198	0.581076	Tcell	FAM46A
BEST3.11	3.91E-05	-0.29417	0.009	0.089	0.584717	Tcell	BEST3
ORAI3.10	3.92E-05	-0.14333	0.041	0.143	0.585973	Tcell	ORAI3
PDE12.1	3.92E-05	-0.20467	0.023	0.111	0.586274	Tcell	PDE12
MAP4K5.9	3.93E-05	-0.13845	0.05	0.157	0.586916	Tcell	MAP4K5
ZNF254.9	3.94E-05	-0.10365	0.041	0.143	0.58825	Tcell	ZNF254
ZBTB8A.1C	3.96E-05	-0.15412	0.018	0.105	0.591367	Tcell	ZBTB8A
FCER1G.14	3.96E-05	-0.31695	0.282	0.445	0.5915	Tcell	FCER1G
SLC25A18.	3.99E-05	-0.22818	0.009	0.089	0.596327	Tcell	SLC25A18
MDGA1.8	4.00E-05	-0.12993	0	0.071	0.598032	Tcell	MDGA1
SDCCAG3.5	4.00E-05	-0.1413	0.014	0.097	0.598425	Tcell	SDCCAG3
ZMYM4.6	4.01E-05	-0.10539	0.032	0.127	0.599504	Tcell	ZMYM4
RP11-262H	4.02E-05	-0.12468	0.027	0.12	0.600759	Tcell	RP11-262H14.4
MLH1.6	4.02E-05	-0.20402	0.05	0.155	0.60124	Tcell	MLH1
NIT2.4	4.02E-05	-0.18787	0.1	0.231	0.601253	Tcell	NIT2
RASSF8.8	4.03E-05	-0.11772	0.009	0.089	0.602864	Tcell	RASSF8
SYDE1.8	4.05E-05	-0.1392	0	0.071	0.604994	Tcell	SYDE1
EPRS.8	4.07E-05	-0.14496	0.145	0.297	0.608561	Tcell	EPRS
APIP.10	4.07E-05	-0.2178	0.105	0.236	0.608567	Tcell	APIP
SASH1.8	4.10E-05	-0.19293	0	0.071	0.612036	Tcell	SASH1
NDUFAF2.7	4.16E-05	-0.16299	0.127	0.275	0.621533	Tcell	NDUFAF2
CPNE2.12	4.16E-05	-0.1442	0.064	0.18	0.622071	Tcell	CPNE2
PEG10.10	4.18E-05	-0.27009	0.018	0.104	0.62428	Tcell	PEG10

Clorf109.	4.	1.9E-05	-0.18163	0.036	0.134	0.625516	Tcell	Clorf109	
CDH4.	11	4.	2.0E-05	-0.16865	0.009	0.088	0.627339	Tcell	CDH4
SRD5A1.	6	4.	2.0E-05	-0.13152	0.023	0.112	0.628213	Tcell	SRD5A1
TMEM179B.	4.	2.1E-05	-0.10629	0.223	0.417	0.62856	Tcell	TMEM179B	
NCF2.	14	4.	2.4E-05	-0.32234	0.018	0.103	0.633059	Tcell	NCF2
NFASC.	10	4.	2.4E-05	-0.22913	0.018	0.104	0.633827	Tcell	NFASC
PTPRO.	10	4.	2.8E-05	-0.24935	0.005	0.08	0.639564	Tcell	PTPRO
TTC28.	10	4.	2.9E-05	-0.11651	0.014	0.097	0.64092	Tcell	TTC28
ETV4.	11	4.	2.9E-05	-0.17687	0.005	0.08	0.641467	Tcell	ETV4
GGCX.	2	4.	3.2E-05	-0.12399	0.064	0.177	0.645422	Tcell	GGCX
MAPKAPK5-	4.	3.4E-05	-0.12377	0.095	0.226	0.648215	Tcell	MAPKAPK5-AS1	
ARMC9.	5	4.	3.4E-05	-0.18838	0	0.071	0.648484	Tcell	ARMC9
PCDHB10.	1	4.	3.4E-05	-0.21645	0.018	0.104	0.649063	Tcell	PCDHB10
PRPF38B.	8	4.	3.6E-05	0.474186	0.455	0.434	0.650923	Tcell	PRPF38B
SIGLEC9.	1	4.	3.6E-05	-0.32757	0.014	0.094	0.651124	Tcell	SIGLEC9
AGPAT4.	7	4.	3.6E-05	-0.15875	0.018	0.104	0.651809	Tcell	AGPAT4
MEIS1.	11	4.	3.7E-05	-0.13702	0.009	0.088	0.653405	Tcell	MEIS1
CREBL2.	11	4.	3.8E-05	-0.12627	0.073	0.191	0.654507	Tcell	CREBL2
TMEM145.	9	4.	3.9E-05	-0.19683	0	0.071	0.656028	Tcell	TMEM145
IDH3G.	7	4.	4.0E-05	-0.17383	0.223	0.406	0.656954	Tcell	IDH3G
SNAPC2.	7	4.	4.0E-05	-0.12068	0.082	0.206	0.657571	Tcell	SNAPC2
NQO1.	10	4.	4.2E-05	-0.22899	0.023	0.11	0.660774	Tcell	NQO1
ATF2.	3	4.	4.3E-05	-0.14339	0.055	0.162	0.661502	Tcell	ATF2
COPZ1.	6	4.	4.3E-05	-0.1739	0.277	0.489	0.661877	Tcell	COPZ1
PMM1.	8	4.	4.7E-05	-0.15958	0.105	0.236	0.668431	Tcell	PMM1
ORAI1.	9	4.	4.8E-05	0.588568	0.195	0.124	0.669903	Tcell	ORAI1
LMF1.	2	4.	4.9E-05	-0.20357	0.018	0.104	0.671341	Tcell	LMF1
PHACTR3.	1	4.	4.9E-05	-0.25842	0.005	0.079	0.671345	Tcell	PHACTR3
ZNF300.	11	4.	4.9E-05	-0.19542	0	0.071	0.671377	Tcell	ZNF300
ELOVL1.	8	4.	5.0E-05	-0.28066	0.105	0.233	0.672802	Tcell	ELOVL1
GLIS3.	6	4.	5.1E-05	-0.16659	0.005	0.079	0.674086	Tcell	GLIS3
PTPRE.	10	4.	5.3E-05	-0.15182	0.132	0.272	0.676324	Tcell	PTPRE
BCAT2.	5	4.	5.3E-05	-0.2002	0.041	0.14	0.67641	Tcell	BCAT2
BTK.	14	4.	5.5E-05	-0.31144	0.009	0.087	0.679625	Tcell	BTK
SCML1.	8	4.	5.5E-05	-0.27086	0.014	0.095	0.680508	Tcell	SCML1
ZNF584.	6	4.	5.5E-05	-0.14701	0.009	0.088	0.680514	Tcell	ZNF584
EIF3K.	11	4.	5.7E-05	0.198856	0.677	0.76	0.683153	Tcell	EIF3K
PLD2.	7	4.	5.9E-05	-0.21533	0.009	0.087	0.686265	Tcell	PLD2
ZNF629.	4	4.	6.0E-05	-0.16187	0	0.07	0.687082	Tcell	ZNF629
IGF1R.	8	4.	6.0E-05	-0.1955	0	0.07	0.687082	Tcell	IGF1R
AMPD2.	8	4.	6.0E-05	-0.2	0.05	0.154	0.687761	Tcell	AMPD2
PRPF31.	8	4.	6.1E-05	-0.17844	0.209	0.395	0.6895	Tcell	PRPF31
C5orf42.	8	4.	6.2E-05	-0.15353	0.014	0.095	0.689688	Tcell	C5orf42
CDK18.	8	4.	6.3E-05	-0.28501	0.005	0.079	0.692023	Tcell	CDK18
STK11.	4	4.	6.5E-05	-0.10522	0.014	0.096	0.694253	Tcell	STK11
HSDL2.	5	4.	6.5E-05	-0.1263	0.055	0.162	0.695176	Tcell	HSDL2
CCAR1.	6	4.	6.5E-05	-0.12065	0.114	0.253	0.695319	Tcell	CCAR1
YRDC.	8	4.	6.6E-05	-0.11866	0.055	0.163	0.696065	Tcell	YRDC
GNPDA2.	8	4.	6.6E-05	-0.15383	0.032	0.126	0.69616	Tcell	GNPDA2
ATP5I.	5	4.	6.8E-05	0.143967	0.691	0.753	0.698907	Tcell	ATP5I
CLPB.	3	4.	6.8E-05	-0.19528	0.014	0.095	0.699926	Tcell	CLPB



INTS3.3	4.75E-05	-0.14644	0.023	0.111	0.709257	Tcell	INTS3
SSR1.10	4.76E-05	-0.12608	0.264	0.472	0.711002	Tcell	SSR1
ACYP2.9	4.76E-05	-0.10518	0.155	0.315	0.712049	Tcell	ACYP2
STOML1.5	4.80E-05	-0.23344	0.018	0.102	0.716793	Tcell	STOML1
PRPF8.5	4.80E-05	-0.10205	0.118	0.259	0.718019	Tcell	PRPF8
WHSC1.10	4.81E-05	-0.13017	0.05	0.155	0.71839	Tcell	WHSC1
MON1A.8	4.81E-05	-0.12478	0.009	0.088	0.719399	Tcell	MON1A
RUNX2.9	4.81E-05	0.282965	0.073	0.028	0.719531	Tcell	RUNX2
ACACA.5	4.82E-05	-0.16596	0.014	0.095	0.719792	Tcell	ACACA
CD164.12	4.84E-05	0.30349	0.505	0.49	0.722727	Tcell	CD164
EXD2.5	4.84E-05	-0.13334	0.014	0.096	0.723751	Tcell	EXD2
ROB03.5	4.85E-05	-0.2269	0.027	0.118	0.724577	Tcell	ROB03
LYPLA1.8	4.89E-05	-0.10763	0.223	0.41	0.730114	Tcell	LYPLA1
KIAA1429.4	4.90E-05	-0.16876	0.023	0.111	0.732657	Tcell	KIAA1429
LANCL1.9	4.91E-05	-0.19563	0.027	0.119	0.73442	Tcell	LANCL1
RAB11B.8	4.93E-05	-0.14955	0.295	0.508	0.736104	Tcell	RAB11B
PACSIN2.1	4.94E-05	-0.15443	0.064	0.176	0.73833	Tcell	PACSIN2
TCTA.4	4.94E-05	-0.1229	0.055	0.163	0.7386	Tcell	TCTA
RBBP9.6	4.94E-05	-0.10922	0.014	0.096	0.738855	Tcell	RBBP9
TRIM47.12	4.95E-05	-0.15772	0.068	0.182	0.73923	Tcell	TRIM47
MAPK3.6	4.96E-05	-0.14768	0.086	0.209	0.74137	Tcell	MAPK3
ALG8.5	4.96E-05	-0.1223	0.068	0.181	0.741533	Tcell	ALG8
FAH.12	4.97E-05	-0.26595	0.055	0.16	0.742082	Tcell	FAH
CDH6.9	4.99E-05	-0.14909	0	0.07	0.744969	Tcell	CDH6
LRRC24.8	4.99E-05	-0.17532	0	0.07	0.744969	Tcell	LRRC24
N6AMT2.8	4.99E-05	-0.10545	0.036	0.134	0.746352	Tcell	N6AMT2
CNPY1.12	5.03E-05	-0.18887	0.005	0.079	0.751941	Tcell	CNPY1
GLDC.9	5.04E-05	-0.16405	0	0.07	0.753623	Tcell	GLDC
RNPEP.12	5.05E-05	-0.1765	0.1	0.226	0.75472	Tcell	RNPEP
B4GALT2.8	5.05E-05	-0.16627	0.005	0.078	0.754973	Tcell	B4GALT2
CCT4.7	5.06E-05	-0.14183	0.323	0.565	0.755789	Tcell	CCT4
CH25H.10	5.09E-05	-0.42374	0.05	0.149	0.760173	Tcell	CH25H
C4orf48.9	5.09E-05	-0.19784	0.323	0.529	0.760701	Tcell	C4orf48
LINC00847	5.13E-05	-0.20141	0.023	0.11	0.767363	Tcell	LINC00847
LINC00116	5.14E-05	-0.15159	0.195	0.368	0.768677	Tcell	LINC00116
SAV1.2	5.14E-05	-0.13644	0.018	0.103	0.768793	Tcell	SAV1
CCNY.8	5.17E-05	-0.16877	0.023	0.11	0.772706	Tcell	CCNY
AGTRAP.1C	5.18E-05	-0.2319	0.141	0.284	0.773466	Tcell	AGTRAP
DACT3.9	5.21E-05	-0.22063	0.005	0.078	0.778659	Tcell	DACT3
PHYH.4	5.21E-05	-0.12951	0.059	0.169	0.7792	Tcell	PHYH
SAA1.11	5.22E-05	-0.95608	0.032	0.12	0.779468	Tcell	SAA1
STK33.10	5.22E-05	-0.15783	0	0.069	0.78019	Tcell	STK33
VEGFB.6	5.24E-05	-0.18434	0.045	0.146	0.783028	Tcell	VEGFB
FAM69C.12	5.26E-05	-0.1325	0.005	0.078	0.786208	Tcell	FAM69C
H2AFV.11	5.27E-05	0.338567	0.509	0.522	0.7869	Tcell	H2AFV
GTF2IRD2.5	5.28E-05	-0.17536	0.027	0.118	0.789709	Tcell	GTF2IRD2
PPOX.5	5.29E-05	-0.13745	0.023	0.111	0.79023	Tcell	PPOX
IFT46.8	5.31E-05	-0.14775	0.023	0.111	0.793764	Tcell	IFT46
SRFBP1.4	5.32E-05	-0.12	0.068	0.183	0.795297	Tcell	SRFBP1
PKIA.13	5.33E-05	-0.22861	0.014	0.095	0.796874	Tcell	PKIA
PLL.11	5.34E-05	-0.35202	0	0.069	0.798414	Tcell	PLL

DBNDD1.9	5.40E-05	-0.16142	0	0.069	0.807684	Tcell	DBNDD1
CCDC102B.	5.44E-05	-0.16224	0.018	0.102	0.812926	Tcell	CCDC102B
LACTB2.6	5.44E-05	-0.25658	0.05	0.153	0.813353	Tcell	LACTB2
AAMDC.10	5.45E-05	-0.22882	0.086	0.208	0.81397	Tcell	AAMDC
LPCAT1.7	5.45E-05	-0.10049	0.068	0.184	0.814927	Tcell	LPCAT1
PLXNA1.4	5.45E-05	-0.138	0.009	0.087	0.815011	Tcell	PLXNA1
ACO07405.	5.47E-05	-0.15754	0	0.069	0.81706	Tcell	ACO07405.6
PCDH10.1C	5.47E-05	-0.16968	0	0.069	0.81706	Tcell	PCDH10
RABGAP1.8	5.47E-05	-0.10158	0.032	0.126	0.817495	Tcell	RABGAP1
LTF.11	5.47E-05	-0.71487	0.055	0.153	0.817967	Tcell	LTF
PEF1.6	5.47E-05	-0.13127	0.164	0.322	0.818052	Tcell	PEF1
UBALD1.8	5.52E-05	-0.10419	0.059	0.169	0.82483	Tcell	UBALD1
FREM2.9	5.53E-05	-0.12575	0	0.069	0.826544	Tcell	FREM2
RABL2A.6	5.56E-05	-0.19882	0.005	0.078	0.830454	Tcell	RABL2A
FRYL.13	5.59E-05	-0.10331	0.073	0.19	0.835313	Tcell	FRYL
ADAM28.13	5.59E-05	-0.35743	0.045	0.143	0.836095	Tcell	ADAM28
MIEN1.4	5.64E-05	-0.20277	0.282	0.488	0.842126	Tcell	MIEN1
MMADHC.4	5.67E-05	-0.15854	0.245	0.439	0.847809	Tcell	MMADHC
AKAP7.11	5.68E-05	-0.13358	0.077	0.197	0.849043	Tcell	AKAP7
ANG.9	5.70E-05	-0.32098	0.009	0.085	0.851446	Tcell	ANG
MFN2.1	5.71E-05	-0.14624	0.023	0.11	0.853283	Tcell	MFN2
FAM131B.9	5.76E-05	-0.18933	0.005	0.077	0.860541	Tcell	FAM131B
ZNF512.9	5.76E-05	-0.13499	0.032	0.125	0.860614	Tcell	ZNF512
ERLIN2.3	5.76E-05	-0.16597	0.032	0.125	0.860904	Tcell	ERLIN2
HSD17B14.	5.80E-05	-0.26447	0.014	0.093	0.867345	Tcell	HSD17B14
SLC35D2.7	5.83E-05	-0.11979	0.018	0.102	0.871066	Tcell	SLC35D2
MIS18A.8	5.85E-05	-0.23441	0.023	0.108	0.873713	Tcell	MIS18A
GPR37L1.1	5.86E-05	-0.30655	0.009	0.086	0.876353	Tcell	GPR37L1
ZNF559.1C	5.88E-05	-0.15315	0.045	0.147	0.877989	Tcell	ZNF559
BATF3.7	5.89E-05	-0.15423	0.014	0.094	0.880792	Tcell	BATF3
AMDHD2.9	5.90E-05	-0.14702	0.032	0.125	0.882394	Tcell	AMDHD2
C9orf116.	5.91E-05	-0.13047	0.005	0.077	0.882703	Tcell	C9orf116
ZBTB1.6	5.93E-05	0.592299	0.236	0.163	0.886234	Tcell	ZBTB1
WSB1.8	5.95E-05	-0.16881	0.395	0.657	0.888594	Tcell	WSB1
FBX08.3	5.96E-05	-0.15133	0.045	0.146	0.891311	Tcell	FBX08
BOK.13	5.99E-05	-0.1433	0.005	0.077	0.89473	Tcell	BOK
ANKRD35.7	5.99E-05	-0.14865	0.041	0.139	0.895239	Tcell	ANKRD35
C16orf13.	6.00E-05	-0.11679	0.255	0.464	0.89592	Tcell	C16orf13
KIAA1958.	6.00E-05	-0.15802	0	0.068	0.896058	Tcell	KIAA1958
WASF3.7	6.01E-05	-0.174	0.005	0.077	0.898723	Tcell	WASF3
AGBL5.6	6.02E-05	-0.16056	0.009	0.085	0.899033	Tcell	AGBL5
IPO13.6	6.03E-05	-0.19837	0.023	0.109	0.901721	Tcell	IPO13
ST3GAL4.9	6.07E-05	-0.14401	0.032	0.124	0.906853	Tcell	ST3GAL4
GRAP	6.08E-05	0.181564	0.036	0.009	0.908259	Tcell	GRAP
FAM189B.3	6.09E-05	-0.14034	0.018	0.102	0.909524	Tcell	FAM189B
PPP1R12A.	6.09E-05	0.584357	0.395	0.359	0.910735	Tcell	PPP1R12A
SYK.14	6.10E-05	-0.31889	0.023	0.107	0.911443	Tcell	SYK
GSS.8	6.11E-05	-0.1082	0.109	0.243	0.913164	Tcell	GSS
PDE4B.9	6.12E-05	0.474153	0.345	0.275	0.914251	Tcell	PDE4B
CETN3.7	6.12E-05	-0.24462	0.05	0.148	0.914953	Tcell	CETN3
TUBGCP4.8	6.13E-05	-0.15337	0.032	0.125	0.916054	Tcell	TUBGCP4

MNT. 3	6. 16E-05	-0. 15625	0. 014	0. 094	0. 920623	Tcell	MNT
MVD. 4	6. 26E-05	-0. 13272	0. 068	0. 18	0. 936002	Tcell	MVD
ICA1L. 8	6. 29E-05	-0. 13779	0. 018	0. 101	0. 940124	Tcell	ICA1L
SMG6. 6	6. 29E-05	-0. 13124	0. 032	0. 124	0. 940597	Tcell	SMG6
DPY30. 10	6. 34E-05	-0. 12319	0. 286	0. 499	0. 946955	Tcell	DPY30
PLCD3. 8	6. 35E-05	-0. 13294	0	0. 068	0. 949228	Tcell	PLCD3
SLC22A23. 6	6. 35E-05	-0. 17067	0	0. 068	0. 949228	Tcell	SLC22A23
TGFB2. 8	6. 35E-05	-0. 19341	0	0. 068	0. 949228	Tcell	TGFB2
BRSK1. 8	6. 38E-05	-0. 16978	0. 009	0. 085	0. 95354	Tcell	BRSK1
FAF1. 5	6. 40E-05	-0. 13622	0. 059	0. 167	0. 956005	Tcell	FAF1
TMED9. 6	6. 47E-05	-0. 16479	0. 436	0. 694	0. 966482	Tcell	TMED9
ATG10. 3	6. 47E-05	-0. 19422	0. 045	0. 144	0. 96652	Tcell	ATG10
CTNS. 4	6. 56E-05	-0. 13467	0. 009	0. 085	0. 980927	Tcell	CTNS
CDIP1. 5	6. 58E-05	-0. 13204	0. 073	0. 189	0. 982935	Tcell	CDIP1
P2RX4. 13	6. 58E-05	-0. 2153	0. 068	0. 179	0. 983203	Tcell	P2RX4
SCRIB. 4	6. 60E-05	-0. 17655	0. 014	0. 092	0. 98609	Tcell	SCRIB
EIF5A. 6	6. 64E-05	0. 312102	0. 505	0. 527	0. 992722	Tcell	EIF5A
DCAF13. 9	6. 65E-05	-0. 1408	0. 164	0. 321	0. 993852	Tcell	DCAF13
CHDH. 6	6. 65E-05	-0. 17145	0	0. 068	0. 994005	Tcell	CHDH
F13A1. 11	6. 66E-05	-0. 4174	0. 059	0. 161	0. 995578	Tcell	F13A1
SCO2. 11	6. 66E-05	-0. 15762	0. 091	0. 214	0. 995628	Tcell	SCO2
N4BP2L1. 6	6. 67E-05	0. 504633	0. 232	0. 156	0. 99743	Tcell	N4BP2L1
FAT1. 9	6. 73E-05	-0. 13364	0	0. 068	1	Tcell	FAT1
KCNH2. 10	6. 73E-05	-0. 21238	0	0. 068	1	Tcell	KCNH2
FAM210A. 7	6. 74E-05	-0. 20199	0. 045	0. 143	1	Tcell	FAM210A
AGAP3. 8	6. 74E-05	-0. 14934	0. 018	0. 101	1	Tcell	AGAP3
CCSAP. 7	6. 74E-05	-0. 13656	0. 018	0. 101	1	Tcell	CCSAP
PTPRF. 10	6. 76E-05	-0. 11078	0. 027	0. 117	1	Tcell	PTPRF
MFI2-AS1. 6	6. 76E-05	-0. 15369	0. 005	0. 076	1	Tcell	MFI2-AS1
DDX19A. 3	6. 77E-05	-0. 11944	0. 055	0. 16	1	Tcell	DDX19A
SUCLG1. 7	6. 78E-05	-0. 10071	0. 241	0. 44	1	Tcell	SUCLG1
KANK2. 7	6. 81E-05	-0. 16333	0. 014	0. 093	1	Tcell	KANK2
OSBP. 3	6. 84E-05	-0. 17244	0. 014	0. 092	1	Tcell	OSBP
TNFAIP2. 1	6. 92E-05	-0. 267	0. 005	0. 076	1	Tcell	TNFAIP2
MED27. 7	6. 93E-05	-0. 14098	0. 05	0. 153	1	Tcell	MED27
ABHD17C. 8	6. 97E-05	-0. 10141	0. 009	0. 085	1	Tcell	ABHD17C
ADIPOR2. 5	6. 98E-05	-0. 14516	0. 05	0. 152	1	Tcell	ADIPOR2
TRIM22. 11	7. 05E-05	0. 50778	0. 209	0. 133	1	Tcell	TRIM22
ERRFI1. 8	7. 05E-05	-0. 11352	0. 05	0. 154	1	Tcell	ERRFI1
RBM28. 9	7. 07E-05	-0. 13646	0. 059	0. 165	1	Tcell	RBM28
FOXRED2. 5	7. 07E-05	-0. 11695	0. 009	0. 084	1	Tcell	FOXRED2
FCHO2. 6	7. 19E-05	-0. 21503	0. 005	0. 076	1	Tcell	FCHO2
FAM181A. 9	7. 21E-05	-0. 2447	0	0. 067	1	Tcell	FAM181A
ANKFY1. 3	7. 27E-05	-0. 12032	0. 041	0. 137	1	Tcell	ANKFY1
OSCP1. 6	7. 29E-05	-0. 16593	0	0. 067	1	Tcell	OSCP1
TMEM127. 1	7. 31E-05	-0. 15589	0. 05	0. 151	1	Tcell	TMEM127
APITD1. 8	7. 31E-05	-0. 19367	0. 009	0. 083	1	Tcell	APITD1
PGRMC2. 7	7. 32E-05	-0. 12483	0. 1	0. 228	1	Tcell	PGRMC2
MTRNR2L1C	7. 32E-05	-0. 5519	0. 005	0. 075	1	Tcell	MTRNR2L10
SGOL2. 12	7. 34E-05	-0. 24111	0. 014	0. 091	1	Tcell	SGOL2
C2orf49	7. 36E-05	-0. 17655	0. 023	0. 107	1	Tcell	C2orf49

PLXNA3.6	7.38E-05	-0.20234	0	0.067	1 Tcell	PLXNA3
GS1-124K5	7.40E-05	-0.1591	0.027	0.115	1 Tcell	GS1-124K5.4
ANTXR1.8	7.44E-05	-0.15972	0.014	0.092	1 Tcell	ANTXR1
TEFM.2	7.47E-05	-0.15461	0.027	0.115	1 Tcell	TEFM
NARS2.4	7.51E-05	-0.10504	0.027	0.116	1 Tcell	NARS2
SNX29.8	7.51E-05	-0.20664	0.023	0.107	1 Tcell	SNX29
MAFG-AS1.	7.55E-05	-0.12311	0	0.067	1 Tcell	MAFG-AS1
SIK3.8	7.55E-05	-0.13008	0.023	0.108	1 Tcell	SIK3
GMPR.5	7.59E-05	-0.17407	0.009	0.083	1 Tcell	GMPR
DKC1.7	7.61E-05	-0.10192	0.127	0.268	1 Tcell	DKC1
RGL2.4	7.67E-05	-0.14516	0.086	0.207	1 Tcell	RGL2
EPAS1.9	7.68E-05	-0.22221	0.023	0.106	1 Tcell	EPAS1
FAM129B.1	7.70E-05	-0.19348	0.005	0.075	1 Tcell	FAM129B
PRDX5.9	7.72E-05	-0.21657	0.491	0.747	1 Tcell	PRDX5
EFNB3.9	7.73E-05	-0.16136	0.005	0.075	1 Tcell	EFNB3
COL16A1.1	7.80E-05	-0.16414	0.005	0.075	1 Tcell	COL16A1
AKAP1.6	7.82E-05	-0.11034	0.032	0.124	1 Tcell	AKAP1
RP11-83A2	7.82E-05	-0.16508	0.041	0.137	1 Tcell	RP11-83A24.2
PROSER1.5	7.83E-05	-0.16061	0.005	0.075	1 Tcell	PROSER1
ZNF493.9	7.84E-05	-0.11466	0.055	0.16	1 Tcell	ZNF493
GSDMD.13	7.85E-05	0.410195	0.264	0.183	1 Tcell	GSDMD
MAP6D1.8	7.86E-05	-0.1764	0.009	0.084	1 Tcell	MAP6D1
RNF20.5	7.90E-05	-0.17132	0.05	0.15	1 Tcell	RNF20
RIN1.9	7.90E-05	-0.14831	0.009	0.083	1 Tcell	RIN1
NCKAP5.3	7.91E-05	-0.21154	0	0.066	1 Tcell	NCKAP5
PTPRN.9	7.92E-05	-0.22983	0.005	0.075	1 Tcell	PTPRN
CEPT1.3	7.94E-05	-0.13771	0.055	0.157	1 Tcell	CEPT1
MAP2K4.4	7.94E-05	-0.14725	0.018	0.099	1 Tcell	MAP2K4
TIMM8A.4	7.95E-05	-0.11836	0.018	0.099	1 Tcell	TIMM8A
PTK2B.10	7.98E-05	0.544244	0.2	0.126	1 Tcell	PTK2B
SLC38A5	8.00E-05	0.172055	0.036	0.01	1 Tcell	SLC38A5
PTPRA.11	8.00E-05	-0.1077	0.182	0.357	1 Tcell	PTPRA
PIN4.5	8.01E-05	-0.15038	0.236	0.421	1 Tcell	PIN4
LINC-PINT	8.05E-05	0.464091	0.177	0.105	1 Tcell	LINC-PINT
ACSBG1.8	8.06E-05	-0.12714	0.005	0.075	1 Tcell	ACSBG1
CAB39L.7	8.08E-05	-0.12453	0.005	0.075	1 Tcell	CAB39L
HMOX2.9	8.10E-05	0.491547	0.35	0.294	1 Tcell	HMOX2
RCBTB2.1C	8.12E-05	-0.10561	0.045	0.144	1 Tcell	RCBTB2
RP11-421L	8.15E-05	-0.20459	0.009	0.083	1 Tcell	RP11-421L21.3
TBC1D7.4	8.16E-05	-0.13529	0.059	0.164	1 Tcell	TBC1D7
DRAM1.9	8.25E-05	-0.20323	0.005	0.075	1 Tcell	DRAM1
ST14.14	8.27E-05	-0.28587	0.005	0.074	1 Tcell	ST14
MSX1.10	8.28E-05	-0.15876	0	0.066	1 Tcell	MSX1
TMEM121.1	8.30E-05	-0.11859	0.023	0.107	1 Tcell	TMEM121
OSCAR.14	8.34E-05	-0.27927	0.005	0.074	1 Tcell	OSCAR
IGSF8.10	8.36E-05	-0.12176	0.091	0.215	1 Tcell	IGSF8
ARAP3.8	8.37E-05	-0.15781	0	0.066	1 Tcell	ARAP3
CRISPLD1.	8.38E-05	-0.16935	0.014	0.091	1 Tcell	CRISPLD1
SMPD4.5	8.39E-05	-0.15061	0.023	0.106	1 Tcell	SMPD4
AP5S1.5	8.42E-05	-0.10912	0.018	0.099	1 Tcell	AP5S1
NEDD4L.9	8.44E-05	-0.18527	0.027	0.114	1 Tcell	NEDD4L

CCDC127	8.46E-05	-0.18501	0.036	0.128	1 Tcell	CCDC127
SMIM8.3	8.47E-05	-0.12756	0.023	0.107	1 Tcell	SMIM8
LOXL3.4	8.47E-05	-0.2176	0.005	0.075	1 Tcell	LOXL3
PPP4R1.5	8.50E-05	-0.12308	0.027	0.114	1 Tcell	PPP4R1
UGGT2.2	8.56E-05	-0.17206	0.014	0.091	1 Tcell	UGGT2
KLHDC9.9	8.64E-05	-0.17211	0.005	0.074	1 Tcell	KLHDC9
PSMB10.11	8.66E-05	0.430042	0.327	0.254	1 Tcell	PSMB10
SAMD9.4	8.66E-05	0.3711	0.141	0.076	1 Tcell	SAMD9
DBX2.11	8.67E-05	-0.13974	0	0.066	1 Tcell	DBX2
SOX21-AS1	8.67E-05	-0.14044	0	0.066	1 Tcell	SOX21-AS1
ZNF583.8	8.72E-05	-0.1339	0.023	0.107	1 Tcell	ZNF583
OTUD6B.9	8.74E-05	-0.13281	0.032	0.121	1 Tcell	OTUD6B
TFB1M.2	8.76E-05	-0.19341	0.018	0.098	1 Tcell	TFB1M
KCTD1.10	8.77E-05	-0.15385	0	0.066	1 Tcell	KCTD1
EID2B.9	8.79E-05	-0.1506	0.014	0.091	1 Tcell	EID2B
RP11-563K	8.87E-05	-0.1751	0	0.065	1 Tcell	RP11-563K23.1
SAMD14.9	8.87E-05	-0.17615	0	0.065	1 Tcell	SAMD14
INPP5D.14	8.90E-05	0.320205	0.155	0.084	1 Tcell	INPP5D
EFCAB2.5	8.92E-05	-0.1262	0.018	0.099	1 Tcell	EFCAB2
PGAM4.1	8.93E-05	0.143751	0.032	0.008	1 Tcell	PGAM4
CACNG8.7	8.94E-05	-0.15004	0.005	0.074	1 Tcell	CACNG8
EPHA3.12	8.96E-05	-0.10598	0.005	0.074	1 Tcell	EPHA3
ARL2BP.9	8.97E-05	-0.10814	0.218	0.409	1 Tcell	ARL2BP
ASGR1.10	9.00E-05	-0.21994	0.005	0.074	1 Tcell	ASGR1
ARL6IP4.9	9.01E-05	0.248089	0.577	0.625	1 Tcell	ARL6IP4
ATXN10.8	9.02E-05	-0.12143	0.236	0.425	1 Tcell	ATXN10
SLC2A10.7	9.07E-05	-0.13229	0	0.065	1 Tcell	SLC2A10
RRAGB.7	9.12E-05	-0.17693	0.027	0.113	1 Tcell	RRAGB
LSM5.9	9.12E-05	-0.17366	0.286	0.511	1 Tcell	LSM5
GPR37.7	9.17E-05	-0.30034	0.005	0.074	1 Tcell	GPR37
CHST3.9	9.18E-05	-0.1289	0	0.065	1 Tcell	CHST3
ACO1.2	9.18E-05	-0.14845	0.018	0.098	1 Tcell	ACO1
FRG1.2	9.24E-05	-0.12029	0.168	0.323	1 Tcell	FRG1
PSMD6.8	9.24E-05	-0.10248	0.186	0.353	1 Tcell	PSMD6
SPA17.10	9.24E-05	-0.2101	0.009	0.082	1 Tcell	SPA17
METAP2.4	9.25E-05	-0.14734	0.273	0.474	1 Tcell	METAP2
BARD1.10	9.32E-05	-0.13353	0.05	0.148	1 Tcell	BARD1
DHX32.3	9.32E-05	-0.14287	0.009	0.082	1 Tcell	DHX32
ESRRA.3	9.35E-05	-0.1545	0.023	0.105	1 Tcell	ESRRA
ZNF334.8	9.36E-05	-0.16213	0.005	0.074	1 Tcell	ZNF334
CDR2L.7	9.39E-05	-0.15493	0	0.065	1 Tcell	CDR2L
EN1.9	9.39E-05	-0.18539	0	0.065	1 Tcell	EN1
RAB21.7	9.42E-05	-0.10462	0.086	0.206	1 Tcell	RAB21
GOLGA5.3	9.47E-05	-0.12476	0.05	0.15	1 Tcell	GOLGA5
WARS.9	9.48E-05	-0.16449	0.086	0.204	1 Tcell	WARS
ISG15.11	9.49E-05	0.551014	0.4	0.356	1 Tcell	ISG15
PDCD2L.7	9.49E-05	-0.10059	0.023	0.106	1 Tcell	PDCD2L
EMID1.9	9.49E-05	-0.15784	0.005	0.074	1 Tcell	EMID1
GMPPA.5	9.55E-05	-0.21453	0.059	0.161	1 Tcell	GMPPA
ADRM1.4	9.57E-05	-0.15644	0.305	0.513	1 Tcell	ADRM1
TLCD1.9	9.60E-05	-0.10909	0.009	0.082	1 Tcell	TLCD1

DIRC2.2	9.61E-05	-0.12207	0.009	0.082	1 Tcell	DIRC2
RGN.10	9.61E-05	-0.21742	0.005	0.074	1 Tcell	RGN
LAIR1.14	9.74E-05	-0.30422	0.118	0.233	1 Tcell	LAIR1
NPC1.4	9.75E-05	-0.16245	0.023	0.106	1 Tcell	NPC1
NDUFAF1.2	9.77E-05	-0.15847	0.068	0.177	1 Tcell	NDUFAF1
BMP2K.10	9.83E-05	-0.25284	0.032	0.118	1 Tcell	BMP2K
HEBP1.9	9.92E-05	-0.14983	0.077	0.191	1 Tcell	HEBP1
ZNF503.5	9.95E-05	-0.19204	0.023	0.105	1 Tcell	ZNF503
SHOX2.9	9.95E-05	-0.13399	0	0.065	1 Tcell	SHOX2
ALKBH3.2	9.96E-05	-0.13726	0.05	0.149	1 Tcell	ALKBH3
RRM2B.4	0.0001	-0.20479	0.023	0.105	1 Tcell	RRM2B
LGALS3.11	0.000102	-0.41759	0.332	0.484	1 Tcell	LGALS3
SKA2.12	0.000102	-0.14964	0.159	0.309	1 Tcell	SKA2
POLR2J.9	0.000102	-0.22359	0.409	0.648	1 Tcell	POLR2J
ABCD4.7	0.000103	-0.10612	0.123	0.259	1 Tcell	ABCD4
NUP160.8	0.000103	-0.12481	0.059	0.164	1 Tcell	NUP160
RP11-379H	0.000103	-0.14495	0.005	0.073	1 Tcell	RP11-379H18.1
VPS37C	0.000103	-0.11623	0.009	0.082	1 Tcell	VPS37C
CTU2.8	0.000104	-0.11937	0.041	0.135	1 Tcell	CTU2
DNM3.10	0.000104	-0.20489	0.014	0.089	1 Tcell	DNM3
C15orf40.	0.000104	-0.11271	0.059	0.163	1 Tcell	C15orf40
HADH.6	0.000105	-0.1927	0.091	0.21	1 Tcell	HADH
RCBTB1.6	0.000105	-0.18118	0.005	0.073	1 Tcell	RCBTB1
DIRAS2.11	0.000105	-0.16926	0	0.064	1 Tcell	DIRAS2
OSTF1.12	0.000106	0.377386	0.364	0.29	1 Tcell	OSTF1
MMGT1.1	0.000106	-0.16952	0.027	0.112	1 Tcell	MMGT1
ZNF322.9	0.000106	-0.1041	0.041	0.135	1 Tcell	ZNF322
ZNF133.4	0.000107	-0.1713	0.009	0.081	1 Tcell	ZNF133
FBX030.1	0.000107	-0.16181	0	0.064	1 Tcell	FBX030
TMEM37.9	0.000108	-0.28762	0	0.064	1 Tcell	TMEM37
CD93.14	0.000108	-0.30016	0.005	0.072	1 Tcell	CD93
CDC23.7	0.000108	-0.10982	0.036	0.127	1 Tcell	CDC23
SBK1.12	0.000108	-0.18119	0.005	0.073	1 Tcell	SBK1
ZNF232.1C	0.000108	-0.14814	0.009	0.081	1 Tcell	ZNF232
TYMS.11	0.000109	-0.10296	0.059	0.163	1 Tcell	TYMS
GPX8.12	0.000109	-0.14924	0	0.064	1 Tcell	GPX8
GPR107.2	0.000109	-0.11602	0.023	0.104	1 Tcell	GPR107
MAP4K3.3	0.00011	-0.10637	0.009	0.081	1 Tcell	MAP4K3
NBEAL2	0.00011	0.337816	0.05	0.016	1 Tcell	NBEAL2
HS3ST3B1.	0.00011	0.323254	0.091	0.04	1 Tcell	HS3ST3B1
INO80C.6	0.00011	-0.15405	0.064	0.167	1 Tcell	INO80C
UNC119B.7	0.00011	-0.14532	0	0.064	1 Tcell	UNC119B
SCAF1.9	0.00011	-0.10237	0.055	0.155	1 Tcell	SCAF1
PSMB7.7	0.000111	-0.14997	0.391	0.645	1 Tcell	PSMB7
SLC2A8.7	0.000111	-0.12676	0.045	0.141	1 Tcell	SLC2A8
IGDCC3.13	0.000112	-0.14318	0	0.064	1 Tcell	IGDCC3
ANKMY2.8	0.000112	-0.12601	0.032	0.119	1 Tcell	ANKMY2
ZNF793.9	0.000112	-0.12109	0.027	0.112	1 Tcell	ZNF793
UBE2C.14	0.000113	-0.28767	0.032	0.118	1 Tcell	UBE2C
CYB561.8	0.000113	-0.13214	0.009	0.081	1 Tcell	CYB561
NANOS3.9	0.000113	-0.142	0	0.064	1 Tcell	NANOS3

CD200.9	0.000113	-0.16954	0.027	0.111	1 Tcell	CD200
ELOVL4.9	0.000113	-0.14847	0.009	0.081	1 Tcell	ELOVL4
DUS4L.9	0.000114	-0.14681	0.009	0.081	1 Tcell	DUS4L
VSIG10.4	0.000114	-0.17122	0	0.064	1 Tcell	VSIG10
ELAVL2.13	0.000114	-0.18746	0.009	0.081	1 Tcell	ELAVL2
CDKN2A.8	0.000115	0.310749	0.177	0.101	1 Tcell	CDKN2A
ZP3.5	0.000115	-0.18565	0.005	0.072	1 Tcell	ZP3
SUPT7L.4	0.000115	0.129259	0.077	0.192	1 Tcell	SUPT7L
ATAD3A.7	0.000115	-0.11036	0.055	0.153	1 Tcell	ATAD3A
STX18.2	0.000115	-0.15307	0.059	0.161	1 Tcell	STX18
ITGA2.10	0.000115	-0.14629	0	0.063	1 Tcell	ITGA2
SAMD1.5	0.000116	-0.14937	0.023	0.104	1 Tcell	SAMD1
PIGZ.6	0.000117	-0.13637	0	0.063	1 Tcell	PIGZ
FBXO2.1	0.000117	0.259748	0.045	0.014	1 Tcell	FBXO2
TUSC1.9	0.000117	-0.19664	0.009	0.08	1 Tcell	TUSC1
SP140L.1C	0.000118	0.41028	0.141	0.077	1 Tcell	SP140L
CARM1.1	0.000118	-0.17783	0.009	0.08	1 Tcell	CARM1
LAMA4.9	0.000118	-0.16171	0.005	0.072	1 Tcell	LAMA4
TTC8.4	0.000119	-0.17618	0.014	0.088	1 Tcell	TTC8
MTRNR2L8.	0.000119	-0.41402	0.086	0.193	1 Tcell	MTRNR2L8
CREB3L1.7	0.000122	-0.12256	0	0.063	1 Tcell	CREB3L1
C11orf1.6	0.000122	-0.22422	0.05	0.146	1 Tcell	C11orf1
MOSPD2.5	0.000123	-0.16418	0.027	0.111	1 Tcell	MOSPD2
SCN1B.9	0.000123	-0.21923	0.005	0.072	1 Tcell	SCN1B
STK32B.8	0.000124	-0.14953	0	0.063	1 Tcell	STK32B
SH2B3.12	0.000124	-0.19225	0.027	0.11	1 Tcell	SH2B3
CC2D2A.2	0.000124	-0.19845	0.005	0.072	1 Tcell	CC2D2A
ST3GAL3.1	0.000125	-0.15208	0.014	0.088	1 Tcell	ST3GAL3
PIGW.2	0.000125	-0.15087	0	0.063	1 Tcell	PIGW
PSMC3IP.1	0.000127	-0.16994	0.005	0.072	1 Tcell	PSMC3IP
NDST1.6	0.000127	-0.12426	0.014	0.088	1 Tcell	NDST1
RSPH3.1	0.000128	-0.15839	0.009	0.08	1 Tcell	RSPH3
IGF1.12	0.000128	-0.30171	0	0.063	1 Tcell	IGF1
GDF15.11	0.000128	-0.30469	0.005	0.071	1 Tcell	GDF15
MAT2B.3	0.000129	0.545561	0.268	0.197	1 Tcell	MAT2B
CAPZA1.11	0.00013	0.489274	0.405	0.392	1 Tcell	CAPZA1
MX2.14	0.00013	0.377469	0.123	0.063	1 Tcell	MX2
ZFP82.10	0.00013	-0.14607	0.027	0.111	1 Tcell	ZFP82
STX4.9	0.00013	-0.16245	0.168	0.317	1 Tcell	STX4
PFKL.8	0.000131	-0.10284	0.195	0.366	1 Tcell	PFKL
HNRNPUL1.	0.000131	0.539365	0.405	0.383	1 Tcell	HNRNPUL1
GLRX2.5	0.000131	-0.18292	0.064	0.165	1 Tcell	GLRX2
ZNF600.1	0.000131	0.245862	0.05	0.017	1 Tcell	ZNF600
SSR4.8	0.000132	0.133601	0.682	0.764	1 Tcell	SSR4
DHFR.10	0.000133	-0.14783	0.055	0.153	1 Tcell	DHFR
LINC00969	0.000133	-0.10647	0.114	0.246	1 Tcell	LINC00969
RP3-428L1	0.000134	-0.1291	0.005	0.071	1 Tcell	RP3-428L16.2
CDK14.8	0.000134	-0.15915	0.009	0.08	1 Tcell	CDK14
NUDT6.3	0.000135	-0.19405	0.005	0.071	1 Tcell	NUDT6
PPP1R14A.	0.000135	-0.35148	0.027	0.108	1 Tcell	PPP1R14A
GOLT1B.8	0.000135	-0.16411	0.114	0.24	1 Tcell	GOLT1B

APOL3. 4	0.000136	0.308886	0.082	0.035	1 Tcell	APOL3
PC. 1	0.000136	-0.17871	0.005	0.071	1 Tcell	PC
MAST2. 5	0.000136	-0.16225	0.005	0.071	1 Tcell	MAST2
RBAK-RBAK	0.000137	-0.14184	0.023	0.103	1 Tcell	RBAK-RBAKDN
GBA. 7	0.000137	-0.15623	0.041	0.132	1 Tcell	GBA
HDHD3. 4	0.000138	-0.14168	0.027	0.111	1 Tcell	HDHD3
DLX6-AS1.	0.000139	-0.46917	0.045	0.132	1 Tcell	DLX6-AS1
BTN3A1. 2	0.000139	0.448035	0.132	0.071	1 Tcell	BTN3A1
NDUFA1. 7	0.00014	0.169649	0.632	0.725	1 Tcell	NDUFA1
MAPK12. 6	0.000141	-0.11337	0.005	0.071	1 Tcell	MAPK12
TMEFF2. 12	0.000142	-0.23167	0.009	0.079	1 Tcell	TMEFF2
C14orf1. 9	0.000142	-0.16713	0.15	0.295	1 Tcell	C14orf1
RDH10. 13	0.000142	-0.18635	0.014	0.087	1 Tcell	RDH10
POMZP3. 9	0.000142	-0.12096	0.014	0.088	1 Tcell	POMZP3
GPRC5C. 5	0.000142	-0.19356	0.005	0.071	1 Tcell	GPRC5C
CIB2. 9	0.000143	-0.11941	0.009	0.079	1 Tcell	CIB2
LILRA2. 14	0.000143	-0.3451	0.014	0.085	1 Tcell	LILRA2
RASAL2. 3	0.000143	-0.15545	0.009	0.079	1 Tcell	RASAL2
HSPA9. 6	0.000144	-0.10651	0.291	0.491	1 Tcell	HSPA9
RAI14. 5	0.000144	-0.17912	0.005	0.07	1 Tcell	RAI14
LOXL1. 10	0.000144	-0.11775	0.009	0.079	1 Tcell	LOXL1
HINFP. 2	0.000144	-0.15148	0.018	0.094	1 Tcell	HINFP
BAMBI. 11	0.000145	-0.13238	0.005	0.071	1 Tcell	BAMBI
GNAZ. 8	0.000145	-0.17587	0	0.062	1 Tcell	GNAZ
KLHL2. 4	0.000146	-0.17048	0.014	0.086	1 Tcell	KLHL2
PDHX. 8	0.000147	-0.11799	0.068	0.173	1 Tcell	PDHX
VGf. 8	0.000147	-0.22897	0.005	0.07	1 Tcell	VGf
SNRPA. 7	0.000148	-0.10552	0.123	0.255	1 Tcell	SNRPA
MT1G. 10	0.000149	-0.15206	0.041	0.129	1 Tcell	MT1G
LRRC27. 4	0.000149	-0.13493	0.014	0.087	1 Tcell	LRRC27
IL10. 14	0.000149	-0.35771	0.027	0.108	1 Tcell	IL10
PACSIN3. 9	0.000149	-0.10331	0.005	0.07	1 Tcell	PACSIN3
TMEM41B. 5	0.000149	0.120448	0.068	0.178	1 Tcell	TMEM41B
TRPM3. 8	0.00015	-0.14296	0.005	0.07	1 Tcell	TRPM3
PRKD2. 2	0.00015	0.451679	0.141	0.079	1 Tcell	PRKD2
KIF5A. 11	0.000151	-0.20954	0.036	0.123	1 Tcell	KIF5A
SLC15A3. 1	0.000151	-0.25453	0.005	0.07	1 Tcell	SLC15A3
INTU. 4	0.000151	-0.13966	0.005	0.07	1 Tcell	INTU
RAPGEF2. 3	0.000152	-0.18935	0.005	0.07	1 Tcell	RAPGEF2
NOTCH3. 7	0.000152	-0.12415	0	0.061	1 Tcell	NOTCH3
DAPP1. 12	0.000152	0.338346	0.068	0.027	1 Tcell	DAPP1
IARS. 9	0.000153	-0.10473	0.095	0.213	1 Tcell	IARS
TCAIM. 2	0.000153	-0.13498	0.045	0.138	1 Tcell	TCAIM
ACVR2A. 5	0.000156	-0.1381	0.005	0.07	1 Tcell	ACVR2A
PLEKHH2. 8	0.000156	-0.14587	0.005	0.07	1 Tcell	PLEKHH2
ZUFSP. 3	0.000156	-0.16028	0.014	0.086	1 Tcell	ZUFSP
DNAJC25. 3	0.000156	-0.16617	0.014	0.086	1 Tcell	DNAJC25
DCUN1D4. 7	0.000156	-0.14447	0.023	0.101	1 Tcell	DCUN1D4
LLGL1. 10	0.000157	-0.15176	0.023	0.101	1 Tcell	LLGL1
GAPT. 14	0.000157	-0.27947	0	0.061	1 Tcell	GAPT
FMN2. 9	0.000158	-0.14312	0.005	0.07	1 Tcell	FMN2



PIK3R1.11	0.000158	0.518004	0.355	0.306	1 Tcell	PIK3R1
OLFML2B.1	0.000158	-0.30963	0.005	0.069	1 Tcell	OLFML2B
RTN1.6	0.000159	-0.17784	0.05	0.145	1 Tcell	RTN1
PSMC4.4	0.00016	-0.1638	0.291	0.498	1 Tcell	PSMC4
GAS2L3.9	0.000161	-0.15871	0.005	0.07	1 Tcell	GAS2L3
SFI1.1	0.000161	0.40531	0.109	0.055	1 Tcell	SFI1
HOXA10.13	0.000161	-0.1593	0.009	0.078	1 Tcell	HOXA10
JPH4.10	0.000161	-0.21403	0	0.061	1 Tcell	JPH4
FAM126A.5	0.000161	-0.10434	0.045	0.138	1 Tcell	FAM126A
NFAT5.4	0.000162	-0.12066	0.045	0.138	1 Tcell	NFAT5
FAM65A.3	0.000162	-0.14158	0.023	0.101	1 Tcell	FAM65A
LTC4S.14	0.000162	-0.29896	0.073	0.17	1 Tcell	LTC4S
CAST.11	0.000163	0.481532	0.359	0.317	1 Tcell	CAST
SLC39A10.0	0.000163	-0.10947	0.059	0.159	1 Tcell	SLC39A10
CTB-113I2	0.000163	-0.13406	0	0.061	1 Tcell	CTB-113I20.2
NRSN1.9	0.000163	-0.17137	0	0.061	1 Tcell	NRSN1
RMI1.5	0.000163	-0.17918	0	0.061	1 Tcell	RMI1
RP11-395A	0.000163	-0.14258	0.009	0.078	1 Tcell	RP11-395A13.2
SCARB1.7	0.000164	-0.1295	0.027	0.109	1 Tcell	SCARB1
NRDE2.4	0.000164	-0.22788	0.023	0.1	1 Tcell	NRDE2
MED9.7	0.000164	-0.12034	0.018	0.094	1 Tcell	MED9
FAM26F.14	0.000165	-0.25949	0.068	0.169	1 Tcell	FAM26F
TTF1.7	0.000165	-0.12716	0.091	0.205	1 Tcell	TTF1
FAM219B.5	0.000166	-0.1356	0.055	0.151	1 Tcell	FAM219B
YTHDF3-AS	0.000167	-0.15227	0	0.061	1 Tcell	YTHDF3-AS1
HPCA.10	0.000167	-0.20381	0	0.061	1 Tcell	HPCA
LRP12.6	0.000167	-0.11432	0.018	0.094	1 Tcell	LRP12
ZNF582-AS	0.000168	-0.21384	0.009	0.078	1 Tcell	ZNF582-AS1
C17orf51.0	0.000168	-0.15787	0.005	0.069	1 Tcell	C17orf51
LILRB1.14	0.000168	-0.2221	0.018	0.093	1 Tcell	LILRB1
MPP2.9	0.000168	-0.15458	0	0.061	1 Tcell	MPP2
PEX7.2	0.000169	-0.14335	0.014	0.085	1 Tcell	PEX7
NIF3L1.5	0.00017	-0.17998	0.036	0.122	1 Tcell	NIF3L1
PSMD10.2	0.000171	-0.12542	0.073	0.179	1 Tcell	PSMD10
RETSAT.4	0.000172	-0.11207	0.014	0.086	1 Tcell	RETSAT
SNX2.13	0.000172	-0.10109	0.236	0.413	1 Tcell	SNX2
PARD3.8	0.000172	-0.11272	0	0.06	1 Tcell	PARD3
GLRB.9	0.000172	-0.14154	0	0.06	1 Tcell	GLRB
PVR.5	0.000174	-0.14803	0.005	0.069	1 Tcell	PVR
MON1B.2	0.000174	-0.14552	0.027	0.108	1 Tcell	MON1B
PM20D2.5	0.000174	-0.11544	0.014	0.086	1 Tcell	PM20D2
GAL3ST3.1	0.000174	-0.13845	0	0.06	1 Tcell	GAL3ST3
PELI1.9	0.000175	-0.144	0.095	0.211	1 Tcell	PELI1
SMARCAD1.0	0.000176	-0.12339	0.027	0.109	1 Tcell	SMARCAD1
SPRY4.8	0.000176	-0.15404	0.005	0.069	1 Tcell	SPRY4
MYLK.9	0.000176	-0.25795	0	0.06	1 Tcell	MYLK
JRKL.5	0.000177	-0.14531	0.009	0.077	1 Tcell	JRKL
LSG1.9	0.000177	-0.14818	0.041	0.13	1 Tcell	LSG1
NLK.6	0.000177	-0.12108	0.009	0.078	1 Tcell	NLK
UNC5B.11	0.000178	-0.2339	0.014	0.085	1 Tcell	UNC5B
NR4A3.13	0.00018	-0.30188	0.059	0.153	1 Tcell	NR4A3

GSG1L. 9	0.00018	-0.20429	0	0.06	1 Tcell	GSG1L
PRKAG1. 2	0.000182	-0.12481	0.155	0.297	1 Tcell	PRKAG1
CARD8. 11	0.000182	0.499194	0.218	0.147	1 Tcell	CARD8
CHSY1. 4	0.000182	-0.15864	0.018	0.093	1 Tcell	CHSY1
MARC1. 10	0.000183	-0.13406	0	0.06	1 Tcell	1-Mar
C1D. 4	0.000183	-0.11155	0.164	0.312	1 Tcell	C1D
RLIM. 2	0.000183	-0.15937	0.027	0.108	1 Tcell	RLIM
ST7. 5	0.000183	-0.13523	0.027	0.107	1 Tcell	ST7
LIPA. 12	0.000183	-0.17629	0.195	0.337	1 Tcell	LIPA
OTUD1. 11	0.000183	-0.27238	0.023	0.1	1 Tcell	OTUD1
NT5C3A. 11	0.000184	-0.11473	0.155	0.297	1 Tcell	NT5C3A
RP11-126K	0.000185	-0.16224	0.018	0.093	1 Tcell	RP11-126K1. 6
LPCAT3. 3	0.000185	-0.16505	0.055	0.15	1 Tcell	LPCAT3
ZNF227. 6	0.000186	-0.14031	0.023	0.1	1 Tcell	ZNF227
SOWAHC. 7	0.000186	-0.14237	0.005	0.069	1 Tcell	SOWAHC
CHST8. 10	0.000187	-0.13351	0.005	0.069	1 Tcell	CHST8
MCHR1. 10	0.000187	-0.12298	0	0.06	1 Tcell	MCHR1
LRP4. 10	0.000187	-0.17268	0	0.06	1 Tcell	LRP4
GRAMD3. 12	0.000187	-0.13189	0.05	0.142	1 Tcell	GRAMD3
COBL. 8	0.000187	-0.16921	0.005	0.069	1 Tcell	COBL
CHN2. 8	0.000187	-0.25131	0.023	0.099	1 Tcell	CHN2
KIF13A. 3	0.000189	-0.14651	0	0.06	1 Tcell	KIF13A
NAP1L5. 9	0.00019	-0.14918	0.045	0.136	1 Tcell	NAP1L5
PWWP2A. 9	0.00019	-0.13106	0.041	0.128	1 Tcell	PWWP2A
TOX3. 11	0.00019	-0.22218	0.005	0.068	1 Tcell	TOX3
MIR497HG.	0.000191	-0.19936	0.005	0.068	1 Tcell	MIR497HG
CD47. 8	0.000191	0.450046	0.4	0.384	1 Tcell	CD47
IGSF11. 1C	0.000191	-0.152	0.005	0.068	1 Tcell	IGSF11
PUS3. 8	0.000191	-0.12444	0.032	0.115	1 Tcell	PUS3
P2RX7. 4	0.000192	-0.23272	0.014	0.084	1 Tcell	P2RX7
HSD3B7. 9	0.000192	-0.17537	0.009	0.076	1 Tcell	HSD3B7
CCDC159. 4	0.000192	-0.12808	0.055	0.151	1 Tcell	CCDC159
MARK1. 9	0.000192	-0.12524	0.005	0.068	1 Tcell	MARK1
NSUN5. 5	0.000192	-0.1041	0.105	0.225	1 Tcell	NSUN5
AC007246.	0.000193	-0.13621	0.027	0.108	1 Tcell	AC007246. 3
WNT5A. 11	0.000193	-0.21557	0	0.06	1 Tcell	WNT5A
CHURC1. 7	0.000194	0.422834	0.418	0.4	1 Tcell	CHURC1
KLC4. 4	0.000194	-0.15225	0.014	0.085	1 Tcell	KLC4
SPIN2B. 8	0.000196	-0.12781	0.027	0.108	1 Tcell	SPIN2B
USB1. 6	0.000196	-0.1073	0.109	0.232	1 Tcell	USB1
OAF. 4	0.000196	-0.10644	0.005	0.068	1 Tcell	OAF
C3orf38. 2	0.000197	-0.14191	0.077	0.184	1 Tcell	C3orf38
FAM69B. 7	0.000198	-0.1139	0	0.059	1 Tcell	FAM69B
CBR3. 9	0.000198	-0.12281	0.027	0.107	1 Tcell	CBR3
SPINT2. 14	0.000198	-0.21538	0.105	0.219	1 Tcell	SPINT2
XPO5. 2	0.000198	-0.14637	0.009	0.076	1 Tcell	XPO5
CSPP1. 7	0.000199	-0.10142	0.027	0.107	1 Tcell	CSPP1
CHD8. 1	0.000199	-0.15084	0.027	0.107	1 Tcell	CHD8
SLC25A17.	0.000199	-0.11132	0.059	0.159	1 Tcell	SLC25A17
KLHL18. 3	0.0002	-0.17826	0.036	0.12	1 Tcell	KLHL18
ATL3. 8	0.0002	-0.14886	0.05	0.139	1 Tcell	ATL3

ZFP1.7	0.000202	-0.15272	0.005	0.068	1 Tcell	ZFP1
RP11-698N	0.000202	-0.16636	0	0.059	1 Tcell	RP11-698N11.2
ARPC4.13	0.000203	0.349908	0.495	0.514	1 Tcell	ARPC4
MAEA.5	0.000203	-0.12243	0.114	0.237	1 Tcell	MAEA
GPX1.14	0.000203	-0.2254	0.564	0.818	1 Tcell	GPX1
MAPK8.6	0.000204	-0.10482	0.023	0.1	1 Tcell	MAPK8
SLC25A22.	0.000205	-0.10009	0.032	0.115	1 Tcell	SLC25A22
DSCAM.9	0.000206	-0.21152	0.009	0.076	1 Tcell	DSCAM
MKS1.6	0.000208	-0.1361	0.018	0.092	1 Tcell	MKS1
ANO10.1	0.000208	-0.13968	0.005	0.068	1 Tcell	ANO10
ETV6.6	0.000209	-0.16427	0.055	0.149	1 Tcell	ETV6
HCCS.5	0.000209	-0.14642	0.068	0.169	1 Tcell	HCCS
TSPO.13	0.00021	0.310958	0.564	0.595	1 Tcell	TSPO
EIF3J-AS1	0.00021	-0.12338	0.041	0.129	1 Tcell	EIF3J-AS1
UACA.4	0.00021	-0.15059	0.005	0.068	1 Tcell	UACA
GPALPP1.6	0.000211	-0.11703	0.036	0.122	1 Tcell	GPALPP1
TET1.11	0.000211	-0.10747	0.014	0.084	1 Tcell	TET1
NCOA5.4	0.000211	-0.16527	0.014	0.083	1 Tcell	NCOA5
IRAK3.14	0.000211	-0.28771	0.009	0.075	1 Tcell	IRAK3
FAM220A.3	0.000212	-0.11364	0.009	0.076	1 Tcell	FAM220A
GORAB.9	0.000213	-0.10711	0.009	0.076	1 Tcell	GORAB
CARS2.3	0.000214	-0.10527	0.045	0.136	1 Tcell	CARS2
MLH3.6	0.000214	-0.13764	0.027	0.107	1 Tcell	MLH3
MNS1.9	0.000216	-0.1109	0.009	0.076	1 Tcell	MNS1
CCDC144A.	0.000216	-0.16235	0.014	0.083	1 Tcell	CCDC144A
CEP70.9	0.000217	-0.15616	0.023	0.099	1 Tcell	CEP70
DYRK1B.4	0.000217	-0.12843	0.005	0.068	1 Tcell	DYRK1B
KIFC3.4	0.000219	-0.1727	0.027	0.106	1 Tcell	KIFC3
ZBTB17.5	0.000219	-0.11671	0.032	0.113	1 Tcell	ZBTB17
ITPK1.3	0.000219	-0.15342	0.05	0.14	1 Tcell	ITPK1
GPR84.14	0.000219	-0.28255	0.009	0.075	1 Tcell	GPR84
DSE.14	0.000219	-0.26192	0.05	0.139	1 Tcell	DSE
SS18L1.7	0.00022	-0.1263	0.018	0.091	1 Tcell	SS18L1
SPATA7.1	0.00022	-0.18185	0.009	0.076	1 Tcell	SPATA7
SETD6.7	0.00022	-0.13278	0.018	0.092	1 Tcell	SETD6
VWA5A.5	0.00022	-0.17838	0.018	0.091	1 Tcell	VWA5A
POLR2F.9	0.000221	-0.12934	0.341	0.546	1 Tcell	POLR2F
SNRPB.9	0.000221	0.213247	0.541	0.578	1 Tcell	SNRPB
RPGRIP1L.	0.000224	-0.14998	0	0.058	1 Tcell	RPGRIP1L
ABCA8.10	0.000225	-0.2133	0.009	0.076	1 Tcell	ABCA8
RBM48.5	0.000225	-0.10951	0.018	0.091	1 Tcell	RBM48
SHC4.8	0.000227	-0.14169	0	0.058	1 Tcell	SHC4
BTBD2.4	0.000227	-0.11293	0.023	0.099	1 Tcell	BTBD2
GAB2.6	0.000228	-0.20474	0.005	0.067	1 Tcell	GAB2
RAPH1.4	0.000228	-0.13185	0.005	0.067	1 Tcell	RAPH1
EYA4.8	0.000229	-0.10355	0	0.058	1 Tcell	EYA4
PIKFYVE.2	0.00023	-0.11581	0.014	0.084	1 Tcell	PIKFYVE
RNF2.5	0.000232	-0.12251	0.055	0.148	1 Tcell	RNF2
PKD2.1	0.000233	-0.12053	0.014	0.084	1 Tcell	PKD2
NAB1.8	0.000233	-0.14129	0.041	0.127	1 Tcell	NAB1
CDK6.11	0.000233	-0.12458	0.095	0.207	1 Tcell	CDK6

PLCB3.3	0.000235	-0.14134	0	0.058	1 Tcell	PLCB3
LCORL.4	0.000235	-0.11025	0.023	0.099	1 Tcell	LCORL
ERP29.9	0.000237	0.277615	0.564	0.612	1 Tcell	ERP29
SIX1.10	0.000237	-0.15474	0	0.058	1 Tcell	SIX1
PDZRN3.9	0.000237	-0.16668	0	0.058	1 Tcell	PDZRN3
PLEKHM1.4	0.000238	-0.12901	0.009	0.075	1 Tcell	PLEKHM1
C1orf198.	0.000238	-0.17124	0.027	0.106	1 Tcell	C1orf198
METTL6.2	0.000239	-0.13654	0.027	0.106	1 Tcell	METTL6
CTA-445C9	0.00024	-0.14891	0	0.058	1 Tcell	CTA-445C9.14
RGS9	0.000241	0.138543	0.027	0.007	1 Tcell	RGS9
XXYLT1.11	0.000242	-0.10581	0.041	0.128	1 Tcell	XXYLT1
ANGPTL4.9	0.000242	-0.36475	0.027	0.103	1 Tcell	ANGPTL4
ALS2.4	0.000243	-0.13723	0	0.058	1 Tcell	ALS2
LRRC16A.5	0.000244	-0.11095	0.009	0.075	1 Tcell	LRRC16A
RNH1.8	0.000245	-0.19042	0.327	0.542	1 Tcell	RNH1
RPRD1B.1	0.000245	-0.10278	0.023	0.099	1 Tcell	RPRD1B
ADAMTS6.9	0.000246	-0.11651	0.005	0.067	1 Tcell	ADAMTS6
C19orf70.	0.000246	-0.18673	0.368	0.582	1 Tcell	C19orf70
NACAD.9	0.000246	-0.1442	0.018	0.09	1 Tcell	NACAD
IP6K1.6	0.000247	-0.14854	0.059	0.153	1 Tcell	IP6K1
ARHGEF25.	0.000247	-0.16652	0.005	0.066	1 Tcell	ARHGEF25
CPQ.11	0.000247	-0.23487	0.077	0.18	1 Tcell	CPQ
MBTPS1.2	0.000248	-0.10263	0.073	0.175	1 Tcell	MBTPS1
ABHD4.1	0.000248	-0.16327	0.005	0.066	1 Tcell	ABHD4
AZGP1.9	0.000248	-0.28391	0	0.058	1 Tcell	AZGP1
TRIOBP.6	0.000249	-0.13798	0.018	0.09	1 Tcell	TRIOBP
PRKD3.6	0.000249	-0.10613	0.055	0.148	1 Tcell	PRKD3
DNAJC16.2	0.00025	-0.15011	0.009	0.074	1 Tcell	DNAJC16
NOL4.10	0.000252	-0.14669	0.005	0.066	1 Tcell	NOL4
FAT3.10	0.000254	-0.12777	0	0.057	1 Tcell	FAT3
ITGB5.9	0.000254	-0.22344	0	0.057	1 Tcell	ITGB5
UMPS.8	0.000254	-0.11902	0.045	0.135	1 Tcell	UMPS
SUMF2.3	0.000255	-0.10117	0.191	0.346	1 Tcell	SUMF2
LIAS.2	0.000255	-0.1914	0.027	0.104	1 Tcell	LIAS
NDUFA6.7	0.000256	-0.15869	0.35	0.576	1 Tcell	NDUFA6
LIMK1.5	0.000256	-0.16939	0.05	0.139	1 Tcell	LIMK1
ANKRD22.1	0.000256	-0.27961	0.005	0.066	1 Tcell	ANKRD22
SPOCK1.12	0.000257	-0.23303	0.014	0.082	1 Tcell	SPOCK1
GPSM1.9	0.000257	-0.15524	0.009	0.074	1 Tcell	GPSM1
TMEM178B.	0.000257	-0.14742	0	0.057	1 Tcell	TMEM178B
ITPRIPL2.	0.000259	-0.13779	0.009	0.075	1 Tcell	ITPRIPL2
ZNF48.9	0.000261	-0.10535	0.023	0.098	1 Tcell	ZNF48
GPRASP2.9	0.000261	-0.12311	0.005	0.066	1 Tcell	GPRASP2
ADSSL1.7	0.000264	-0.18573	0.014	0.082	1 Tcell	ADSSL1
ST20.3	0.000266	-0.131	0.032	0.112	1 Tcell	ST20
UTP3.2	0.000267	-0.15073	0.05	0.139	1 Tcell	UTP3
GZF1.4	0.000267	-0.13324	0.027	0.105	1 Tcell	GZF1
HDAC11.4	0.000268	-0.20636	0.005	0.066	1 Tcell	HDAC11
PEG3.8	0.000269	-0.16274	0.005	0.066	1 Tcell	PEG3
HSD17B1.5	0.000269	-0.11502	0	0.057	1 Tcell	HSD17B1
TBCK.5	0.00027	-0.12253	0.014	0.082	1 Tcell	TBCK

EFNB1. 8	0.00027	-0.14713	0.023	0.097	1 Tcell	EFNB1
MYL5. 5	0.000272	-0.13284	0.023	0.097	1 Tcell	MYL5
HOXA3. 12	0.000272	-0.188	0	0.057	1 Tcell	HOXA3
FAM213B. 4	0.000273	-0.11375	0.018	0.09	1 Tcell	FAM213B
STK38L. 7	0.000274	-0.20535	0.059	0.152	1 Tcell	STK38L
COPG2. 9	0.000275	-0.14346	0.036	0.119	1 Tcell	COPG2
RFX2. 6	0.000277	-0.1655	0.023	0.097	1 Tcell	RFX2
FAM214B. 5	0.000277	-0.11396	0.036	0.12	1 Tcell	FAM214B
SCFD2. 5	0.000278	-0.12192	0.018	0.089	1 Tcell	SCFD2
FAM206A. 1	0.000279	-0.13961	0.005	0.066	1 Tcell	FAM206A
BRE. 4	0.00028	-0.11253	0.109	0.228	1 Tcell	BRE
SLC16A10. 0	0.000281	-0.31726	0.018	0.088	1 Tcell	SLC16A10
MGAT1. 12	0.000281	-0.12091	0.205	0.361	1 Tcell	MGAT1
NOTCH1. 8	0.000281	-0.11646	0.032	0.112	1 Tcell	NOTCH1
PTPN4. 10	0.000283	0.557991	0.164	0.101	1 Tcell	PTPN4
NUDT12. 2	0.000284	-0.14561	0.005	0.065	1 Tcell	NUDT12
SLC4A2. 3	0.000285	-0.11943	0.055	0.148	1 Tcell	SLC4A2
PTPRG. 8	0.000286	-0.12534	0.009	0.074	1 Tcell	PTPRG
NEK3. 3	0.000286	-0.17472	0.005	0.065	1 Tcell	NEK3
TMEM107. 7	0.000286	-0.10808	0.105	0.22	1 Tcell	TMEM107
ZNF395. 5	0.000287	-0.17223	0.005	0.065	1 Tcell	ZNF395
FGFRL1. 5	0.000288	-0.10745	0	0.057	1 Tcell	FGFRL1
CASK. 5	0.000289	-0.11693	0.041	0.125	1 Tcell	CASK
CXCL2. 11	0.00029	-0.37412	0.018	0.088	1 Tcell	CXCL2
PIP4K2C. 8	0.000291	-0.1785	0.032	0.111	1 Tcell	PIP4K2C
TSEN2. 9	0.000291	-0.11428	0.018	0.09	1 Tcell	TSEN2
NIM1K. 8	0.000295	-0.14505	0.005	0.065	1 Tcell	NIM1K
CLEC5A. 13	0.000298	-0.33792	0.027	0.101	1 Tcell	CLEC5A
MANF. 7	0.000299	-0.1345	0.264	0.454	1 Tcell	MANF
HEY2. 8	0.000301	-0.11666	0.005	0.065	1 Tcell	HEY2
STK32A. 7	0.000301	-0.11718	0	0.056	1 Tcell	STK32A
EBF4. 7	0.000301	-0.11873	0	0.056	1 Tcell	EBF4
CLDN10. 1C	0.000301	-0.3079	0	0.056	1 Tcell	CLDN10
ENKD1. 5	0.000302	-0.1123	0.005	0.065	1 Tcell	ENKD1
CA11. 2	0.000303	-0.17479	0.027	0.103	1 Tcell	CA11
GUCD1. 5	0.000305	-0.12325	0.041	0.124	1 Tcell	GUCD1
CCER2. 12	0.000305	-0.21278	0	0.056	1 Tcell	CCER2
SH3GLB1. 9	0.000305	-0.10347	0.25	0.433	1 Tcell	SH3GLB1
NAP1L3. 9	0.000306	-0.16588	0.027	0.103	1 Tcell	NAP1L3
CHGB. 9	0.000307	-0.21196	0.018	0.089	1 Tcell	CHGB
CCDC24. 2	0.000308	-0.153	0	0.056	1 Tcell	CCDC24
CA8. 12	0.000308	-0.22758	0	0.056	1 Tcell	CA8
SLC7A5. 12	0.000309	0.570591	0.209	0.137	1 Tcell	SLC7A5
LINC0091C	0.000311	-0.1879	0.014	0.08	1 Tcell	LINC00910
CCNB1IP1. 0	0.000311	-0.14346	0.068	0.167	1 Tcell	CCNB1IP1
BAIAP2-AS	0.000312	-0.11573	0.005	0.065	1 Tcell	BAIAP2-AS1
TMEM17. 3	0.000312	-0.13803	0	0.056	1 Tcell	TMEM17
ADAM22. 1C	0.000313	-0.17794	0.005	0.064	1 Tcell	ADAM22
PCNXL4. 3	0.000314	-0.12397	0.041	0.125	1 Tcell	PCNXL4
KPTN. 3	0.000314	-0.12602	0.014	0.081	1 Tcell	KPTN
ALDH1L1. 1	0.000315	-0.23321	0.005	0.065	1 Tcell	ALDH1L1

RAB3GAP1.	0.000315	-0.10873	0.05	0.139	1 Tcell	RAB3GAP1
MFAP3L.9	0.000316	-0.13394	0	0.056	1 Tcell	MFAP3L
EVA1C.9	0.000317	-0.14472	0.009	0.073	1 Tcell	EVA1C
UCK2.4	0.000317	-0.13279	0.018	0.088	1 Tcell	UCK2
TP53INP2.	0.000317	-0.13204	0.023	0.096	1 Tcell	TP53INP2
GMNN.11	0.000317	-0.15641	0.077	0.178	1 Tcell	GMNN
CPSF3.6	0.000318	-0.16714	0.077	0.178	1 Tcell	CPSF3
SEC22A.3	0.000318	-0.17997	0.027	0.103	1 Tcell	SEC22A
RNF41.5	0.000319	-0.11379	0.068	0.168	1 Tcell	RNF41
SNX9.11	0.000322	-0.15402	0.086	0.191	1 Tcell	SNX9
PGAP2.5	0.000322	-0.1084	0.036	0.118	1 Tcell	PGAP2
CLCN4.9	0.000323	-0.16216	0	0.056	1 Tcell	CLCN4
TBL3.1	0.000324	-0.13514	0.041	0.124	1 Tcell	TBL3
FAM101B	0.000325	0.319225	0.073	0.032	1 Tcell	FAM101B
NEU4.10	0.000325	-0.23676	0.005	0.064	1 Tcell	NEU4
GFAP.9	0.000328	-0.28169	0.209	0.352	1 Tcell	GFAP
SAMD8.5	0.000328	-0.13127	0.055	0.145	1 Tcell	SAMD8
PLEKHA8.5	0.000331	-0.13698	0.005	0.064	1 Tcell	PLEKHA8
MMP15.9	0.000331	-0.10851	0.005	0.064	1 Tcell	MMP15
PPP1R9A.1	0.000331	-0.19328	0.009	0.072	1 Tcell	PPP1R9A
TENM1.8	0.000331	-0.12697	0.009	0.073	1 Tcell	TENM1
ODF3B.13	0.000332	-0.21327	0.023	0.095	1 Tcell	ODF3B
RAB40C.3	0.000333	-0.12089	0.014	0.081	1 Tcell	RAB40C
N6AMT1.3	0.000334	-0.13454	0.005	0.064	1 Tcell	N6AMT1
KRR1.4	0.000335	-0.12083	0.114	0.234	1 Tcell	KRR1
PRPF40B.1	0.000335	-0.15234	0.005	0.064	1 Tcell	PRPF40B
SDHC.7	0.000335	-0.14687	0.345	0.561	1 Tcell	SDHC
BTN2A2.2	0.000335	-0.14329	0.009	0.072	1 Tcell	BTN2A2
ITPRIPL1	0.000335	0.171547	0.041	0.013	1 Tcell	ITPRIPL1
DLL1.8	0.000339	-0.20583	0.009	0.072	1 Tcell	DLL1
LRRC8B.4	0.00034	-0.14964	0.018	0.088	1 Tcell	LRRC8B
YJEFN3.7	0.000341	-0.12578	0.005	0.064	1 Tcell	YJEFN3
DHRS7.12	0.000343	-0.1731	0.355	0.56	1 Tcell	DHRS7
SPRYD4.2	0.000343	-0.15747	0.009	0.072	1 Tcell	SPRYD4
ZNF268.9	0.000345	-0.10872	0.036	0.118	1 Tcell	ZNF268
SQRDL.14	0.000345	0.380121	0.232	0.159	1 Tcell	SQRDL
PGBD1.8	0.000345	-0.11399	0.009	0.072	1 Tcell	PGBD1
IQSEC2.4	0.000346	-0.18597	0	0.055	1 Tcell	IQSEC2
PSMD1.8	0.000349	-0.11058	0.177	0.325	1 Tcell	PSMD1
RAB7A.5	0.00035	-0.17758	0.414	0.663	1 Tcell	RAB7A
CIPC.2	0.000353	-0.16337	0.014	0.08	1 Tcell	CIPC
KCNJ16.1C	0.000354	-0.12896	0	0.055	1 Tcell	KCNJ16
PRKCZ.11	0.000354	-0.14976	0.027	0.102	1 Tcell	PRKCZ
PCDHB7.1C	0.000354	-0.1686	0.009	0.072	1 Tcell	PCDHB7
LY6H.12	0.000354	-0.25919	0.018	0.087	1 Tcell	LY6H
RP11-799D.4	0.000355	0.117547	0.023	0.005	1 Tcell	RP11-799D4.4
C7orf73.8	0.000356	-0.16545	0.341	0.559	1 Tcell	C7orf73
SNAPC1.8	0.000358	-0.16362	0.086	0.19	1 Tcell	SNAPC1
HOXC9.13	0.000358	-0.21999	0.018	0.087	1 Tcell	HOXC9
LGALSL.1C	0.00036	-0.14229	0.005	0.064	1 Tcell	LGALSL
PDE9A.8	0.00036	-0.16284	0.009	0.072	1 Tcell	PDE9A

GALM. 12	0.000362	0.43324	0.191	0.123	1 Tcell	GALM
NME2. 3	0.000363	-0.11714	0.018	0.087	1 Tcell	NME2
TMEM144. 9	0.000363	-0.37592	0.014	0.079	1 Tcell	TMEM144
PACS2. 6	0.000364	-0.17723	0.05	0.136	1 Tcell	PACS2
USP30-AS1	0.000366	0.220364	0.041	0.013	1 Tcell	USP30-AS1
SPEG. 8	0.000366	-0.12378	0.009	0.071	1 Tcell	SPEG
RP11-81A2	0.000366	-0.11765	0	0.055	1 Tcell	RP11-81A22. 5
TBC1D9. 9	0.000366	-0.1785	0	0.055	1 Tcell	TBC1D9
TNFRSF11E	0.000366	-0.21427	0	0.055	1 Tcell	TNFRSF11B
NAPB. 5	0.000367	-0.15183	0.014	0.08	1 Tcell	NAPB
ST13. 2	0.000367	-0.17248	0.4	0.655	1 Tcell	ST13
NDUFB3. 6	0.000368	-0.10179	0.323	0.558	1 Tcell	NDUFB3
NT5E. 8	0.000369	-0.16925	0.005	0.063	1 Tcell	NT5E
NUDCD1. 6	0.000369	-0.13938	0.027	0.102	1 Tcell	NUDCD1
TMEM170B.	0.00037	-0.1357	0	0.055	1 Tcell	TMEM170B
SEC16A. 3	0.000371	-0.1174	0.036	0.117	1 Tcell	SEC16A
RBM41. 5	0.000372	-0.13318	0.018	0.088	1 Tcell	RBM41
IFT74. 2	0.000372	-0.16946	0.014	0.079	1 Tcell	IFT74
TECPR2. 4	0.000373	-0.14485	0.005	0.063	1 Tcell	TECPR2
FBLN1. 12	0.000375	-0.22737	0.018	0.087	1 Tcell	FBLN1
TLN2. 6	0.000376	-0.11204	0.023	0.095	1 Tcell	TLN2
GTF2H2C. 6	0.000377	-0.11159	0.018	0.088	1 Tcell	GTF2H2C
KYNU. 14	0.000377	-0.29214	0.018	0.085	1 Tcell	KYNU
LILRB2. 14	0.000378	-0.25405	0	0.054	1 Tcell	LILRB2
WDYHV1. 4	0.00038	-0.15595	0.041	0.123	1 Tcell	WDYHV1
TBCB. 8	0.000381	-0.18867	0.427	0.662	1 Tcell	TBCB
DNAJC18. 9	0.000384	-0.11851	0.041	0.124	1 Tcell	DNAJC18
AC018816.	0.000384	0.167506	0.041	0.013	1 Tcell	AC018816. 3
BCL2A1. 14	0.000385	-0.30411	0.068	0.159	1 Tcell	BCL2A1
SOX15. 10	0.000386	-0.19267	0.009	0.071	1 Tcell	SOX15
MTHFR. 6	0.000389	-0.16202	0.014	0.079	1 Tcell	MTHFR
MTF1. 3	0.000389	-0.10732	0.032	0.11	1 Tcell	MTF1
UBE3B. 1	0.000391	-0.11272	0.032	0.109	1 Tcell	UBE3B
PRAM1. 12	0.000392	-0.24613	0	0.054	1 Tcell	PRAM1
PRKAR1B. 9	0.000393	-0.14806	0.045	0.129	1 Tcell	PRKAR1B
PODXL. 7	0.000395	-0.1162	0.009	0.071	1 Tcell	PODXL
SH3BP1. 13	0.000395	0.366692	0.177	0.111	1 Tcell	SH3BP1
GTF2IRD1.	0.000396	-0.15971	0.014	0.079	1 Tcell	GTF2IRD1
HSPA2. 9	0.000399	-0.3255	0.045	0.126	1 Tcell	HSPA2
REEP4. 12	0.000399	-0.1345	0.073	0.169	1 Tcell	REEP4
SLC16A4. 5	0.0004	-0.10857	0.005	0.063	1 Tcell	SLC16A4
VAV1. 14	0.0004	0.353243	0.132	0.073	1 Tcell	VAV1
FICD. 3	0.000401	-0.1366	0.014	0.079	1 Tcell	FICD
RC3H1. 2	0.000402	-0.12965	0.027	0.102	1 Tcell	RC3H1
HS1BP3. 2	0.000404	-0.16126	0.023	0.094	1 Tcell	HS1BP3
LACTB. 14	0.000406	-0.14056	0.073	0.168	1 Tcell	LACTB
PCNA. 10	0.000409	-0.1011	0.173	0.318	1 Tcell	PCNA
GNL3. 7	0.000411	-0.10379	0.195	0.348	1 Tcell	GNL3
IQCB1. 3	0.000412	-0.1039	0.041	0.123	1 Tcell	IQCB1
GK. 10	0.000412	-0.24473	0.055	0.14	1 Tcell	GK
AC074289.	0.000415	-0.27683	0.005	0.062	1 Tcell	AC074289. 1

HIST1H1C.	0.000415	-0.25873	0.091	0.19	1 Tcell	HIST1H1C
MED12L. 4	0.000419	-0.12155	0.005	0.062	1 Tcell	MED12L
ETAA1. 2	0.000419	-0.13245	0	0.054	1 Tcell	ETAA1
DPP4. 11	0.00042	0.464803	0.132	0.077	1 Tcell	DPP4
ARG2. 8	0.000424	-0.22646	0.027	0.101	1 Tcell	ARG2
ZDHHC14. 4	0.000424	-0.17519	0.014	0.078	1 Tcell	ZDHHC14
RIMKLA. 5	0.000424	-0.10848	0	0.054	1 Tcell	RIMKLA
ICK. 7	0.000424	-0.12793	0.018	0.086	1 Tcell	ICK
ACOX2. 5	0.000429	-0.12009	0	0.053	1 Tcell	ACOX2
CYP2U1. 2	0.000429	-0.13086	0	0.053	1 Tcell	CYP2U1
SEC62. 8	0.00043	-0.18116	0.445	0.696	1 Tcell	SEC62
HAS2. 8	0.000434	-0.16414	0	0.053	1 Tcell	HAS2
C19orf81.	0.000434	-0.18475	0	0.053	1 Tcell	C19orf81
PRKAR2B. 1	0.000435	-0.17587	0.009	0.07	1 Tcell	PRKAR2B
SLC7A6OS.	0.000436	-0.14114	0.05	0.136	1 Tcell	SLC7A6OS
ITGAX. 13	0.000436	-0.27034	0.023	0.092	1 Tcell	ITGAX
SLC46A1. 4	0.000436	-0.15127	0.005	0.062	1 Tcell	SLC46A1
SMIM18. 12	0.000437	-0.1919	0.005	0.062	1 Tcell	SMIM18
ZNF25. 4	0.000438	-0.10385	0.014	0.078	1 Tcell	ZNF25
ARHGEF10L	0.000438	-0.13876	0.005	0.062	1 Tcell	ARHGEF10L
ZFYVE19. 5	0.000439	-0.12228	0.032	0.108	1 Tcell	ZFYVE19
SEMA4B. 4	0.000439	-0.11705	0	0.053	1 Tcell	SEMA4B
ARHGAP23.	0.000439	-0.14773	0	0.053	1 Tcell	ARHGAP23
MZF1. 5	0.000439	-0.12979	0.023	0.093	1 Tcell	MZF1
METTL21A.	0.000439	-0.11083	0.082	0.185	1 Tcell	METTL21A
CLUH. 2	0.000439	-0.12104	0.009	0.07	1 Tcell	CLUH
NUDT1. 7	0.00044	-0.11759	0.205	0.353	1 Tcell	NUDT1
GOLGA3. 1	0.000442	-0.1219	0.041	0.122	1 Tcell	GOLGA3
ZNF273. 12	0.000443	-0.15338	0.018	0.086	1 Tcell	ZNF273
TRMT5. 4	0.000443	-0.18309	0.009	0.07	1 Tcell	TRMT5
ELP3. 1	0.000443	-0.12749	0.036	0.115	1 Tcell	ELP3
APBB3. 3	0.000444	-0.16865	0.018	0.086	1 Tcell	APBB3
KMT2B. 2	0.000444	-0.13657	0.009	0.07	1 Tcell	KMT2B
PROCR. 12	0.000445	-0.20014	0.009	0.07	1 Tcell	PROCR
NPHP1. 7	0.000447	-0.11706	0.009	0.07	1 Tcell	NPHP1
THEM4. 5	0.000448	0.38525	0.132	0.075	1 Tcell	THEM4
TEAD4. 8	0.000449	-0.10202	0	0.053	1 Tcell	TEAD4
BIN1. 12	0.000449	0.371681	0.414	0.36	1 Tcell	BIN1
CD320. 12	0.00045	-0.10396	0.173	0.321	1 Tcell	CD320
NAGLU. 2	0.000451	-0.11609	0.018	0.085	1 Tcell	NAGLU
PDIA3. 11	0.000452	0.276323	0.541	0.584	1 Tcell	PDIA3
TMEM39B. 4	0.000455	-0.11119	0.045	0.129	1 Tcell	TMEM39B
TRABD2A. 1	0.000456	0.197169	0.036	0.011	1 Tcell	TRABD2A
VDAC3. 9	0.000458	-0.16827	0.282	0.468	1 Tcell	VDAC3
FAM160A2.	0.000459	-0.10258	0.036	0.115	1 Tcell	FAM160A2
BTBD17. 11	0.000459	-0.18594	0	0.053	1 Tcell	BTBD17
DNAJC14. 1	0.000461	-0.11514	0.027	0.101	1 Tcell	DNAJC14
EDF1. 5	0.000461	0.132652	0.677	0.788	1 Tcell	EDF1
CD83. 13	0.000464	-0.3204	0.182	0.297	1 Tcell	CD83
RP11-1275	0.000464	-0.1819	0.005	0.061	1 Tcell	RP11-1275H24. 1
OSGEPL1. 6	0.000467	-0.15441	0.009	0.069	1 Tcell	OSGEPL1



PPP1R14C.	0.000468	-0.11005	0.005	0.062	1 Tcell	PPP1R14C
TECR. 9	0.000469	-0.14937	0.341	0.546	1 Tcell	TECR
SEMA3E. 6	0.00047	-0.12468	0	0.053	1 Tcell	SEMA3E
GPC4. 5	0.00047	-0.1256	0	0.053	1 Tcell	GPC4
DOCK1. 5	0.00047	-0.13	0	0.053	1 Tcell	DOCK1
FAM129A. 9	0.000472	0.529528	0.2	0.139	1 Tcell	FAM129A
CFI. 8	0.000473	-0.16335	0.005	0.062	1 Tcell	CFI
LRRTM3. 7	0.000475	-0.10461	0	0.053	1 Tcell	LRRTM3
AADAT. 8	0.000475	-0.1205	0	0.053	1 Tcell	AADAT
ZBTB18. 6	0.000475	-0.15472	0	0.053	1 Tcell	ZBTB18
KCNJ10. 9	0.000475	-0.19364	0	0.053	1 Tcell	KCNJ10
CRBN. 2	0.000478	0.127735	0.15	0.288	1 Tcell	CRBN
FAM13A. 5	0.000478	-0.17257	0.027	0.1	1 Tcell	FAM13A
TAPT1-AS1	0.000482	-0.13638	0.005	0.061	1 Tcell	TAPT1-AS1
PEX26. 3	0.000482	-0.10538	0.036	0.115	1 Tcell	PEX26
ST8SIA1. 9	0.000485	-0.10925	0.023	0.093	1 Tcell	ST8SIA1
RP11-119E	0.000485	-0.13139	0.005	0.061	1 Tcell	RP11-119B16. 2
PLXND1. 1C	0.000486	-0.15528	0.027	0.1	1 Tcell	PLXND1
ARHGDI1A. 6	0.000487	0.249891	0.518	0.565	1 Tcell	ARHGDI1A
DLG5. 8	0.00049	-0.1297	0.014	0.077	1 Tcell	DLG5
TRAPPC6A.	0.000491	0.536273	0.314	0.258	1 Tcell	TRAPPC6A
ABCA3. 9	0.000492	-0.1067	0.014	0.077	1 Tcell	ABCA3
RPP38. 4	0.000494	-0.11631	0.05	0.134	1 Tcell	RPP38
RWDD2A. 2	0.000495	-0.13466	0.009	0.069	1 Tcell	RWDD2A
HMGN5. 5	0.000496	-0.1649	0.023	0.092	1 Tcell	HMGN5
LRP3. 3	0.000497	-0.1164	0.005	0.061	1 Tcell	LRP3
RHBDF1. 6	0.000497	-0.10772	0	0.052	1 Tcell	RHBDF1
OCIAD2. 13	0.000498	0.127758	0.464	0.386	1 Tcell	OCIAD2
KDELR3. 6	0.000499	-0.13188	0.005	0.061	1 Tcell	KDELR3
NXT2. 5	0.000502	-0.14332	0.018	0.084	1 Tcell	NXT2
PSMB2. 6	0.000502	-0.18196	0.35	0.578	1 Tcell	PSMB2
HAP1. 8	0.000503	-0.15086	0.009	0.069	1 Tcell	HAP1
CENPW. 10	0.000504	-0.20045	0.041	0.119	1 Tcell	CENPW
CDK10. 4	0.000505	-0.17671	0.073	0.165	1 Tcell	CDK10
VPS37D. 9	0.000507	-0.13091	0.005	0.061	1 Tcell	VPS37D
ALDH4A1. 3	0.000508	-0.12042	0	0.052	1 Tcell	ALDH4A1
PCNXL2. 4	0.000509	-0.12663	0.018	0.085	1 Tcell	PCNXL2
AKAP13. 12	0.000509	0.433657	0.368	0.324	1 Tcell	AKAP13
HNRNPU-AS	0.000509	-0.10777	0.027	0.1	1 Tcell	HNRNPU-AS1
CENPB. 4	0.000509	-0.12901	0.032	0.107	1 Tcell	CENPB
HMG20A. 1	0.00051	-0.10585	0.032	0.107	1 Tcell	HMG20A
RP1-79C4.	0.000514	-0.10769	0	0.052	1 Tcell	RP1-79C4. 4
PARVG. 14	0.000515	0.327896	0.236	0.16	1 Tcell	PARVG
CENPQ. 5	0.000516	-0.10333	0.027	0.1	1 Tcell	CENPQ
ITGA5. 10	0.000516	-0.13312	0.018	0.085	1 Tcell	ITGA5
C5orf30. 9	0.000517	-0.16034	0.014	0.077	1 Tcell	C5orf30
PPP2R3B. 5	0.000517	-0.13285	0.009	0.069	1 Tcell	PPP2R3B
FAM20A. 13	0.000517	-0.21782	0.005	0.061	1 Tcell	FAM20A
SFT2D1. 13	0.000517	-0.16899	0.314	0.505	1 Tcell	SFT2D1
HARS2. 2	0.000518	-0.1434	0.018	0.084	1 Tcell	HARS2
PEX5. 5	0.000521	-0.14275	0.023	0.092	1 Tcell	PEX5

CRB1. 8	0.000524	-0.19348	0.009	0.068	1 Tcell	CRB1
ADK. 5	0.000525	-0.11327	0.073	0.167	1 Tcell	ADK
SLC25A25.	0.000525	-0.11837	0.073	0.167	1 Tcell	SLC25A25
ARHGAP20.	0.000526	-0.11641	0.005	0.061	1 Tcell	ARHGAP20
THBS4. 7	0.000526	-0.12249	0	0.052	1 Tcell	THBS4
CA14. 11	0.000526	-0.19706	0	0.052	1 Tcell	CA14
USP40. 1	0.000526	-0.13701	0.014	0.077	1 Tcell	USP40
CLHC1. 6	0.000529	-0.1094	0.009	0.069	1 Tcell	CLHC1
EVI5L. 4	0.00053	-0.12401	0.005	0.061	1 Tcell	EVI5L
RP11-277F	0.000531	-0.16592	0.009	0.068	1 Tcell	RP11-277P12. 20
HVCN1. 11	0.000531	-0.22946	0.027	0.098	1 Tcell	HVCN1
BLNK. 12	0.000531	-0.2875	0.009	0.068	1 Tcell	BLNK
PRKD1. 7	0.000532	-0.11113	0	0.052	1 Tcell	PRKD1
ZFP37. 7	0.000532	-0.14155	0	0.052	1 Tcell	ZFP37
STX1A. 7	0.000533	-0.18547	0.009	0.069	1 Tcell	STX1A
PCDH1. 8	0.000534	-0.11813	0.005	0.061	1 Tcell	PCDH1
SEPT3. 10	0.000538	-0.1691	0.009	0.068	1 Tcell	3-Sep
GPR161. 1C	0.000539	-0.12869	0.018	0.084	1 Tcell	GPR161
WDR25. 5	0.000543	-0.11364	0.027	0.099	1 Tcell	WDR25
RNF165. 11	0.000546	-0.1434	0.009	0.069	1 Tcell	RNF165
MAN2A2. 4	0.000547	-0.12549	0.014	0.077	1 Tcell	MAN2A2
QARS. 11	0.000549	-0.11066	0.155	0.285	1 Tcell	QARS
RNF121. 1	0.000549	-0.10877	0.032	0.107	1 Tcell	RNF121
TTLL1. 7	0.000556	-0.10168	0.023	0.092	1 Tcell	TTLL1
YWHAB. 5	0.000558	0.166544	0.609	0.704	1 Tcell	YWHAB
ARHGAP22.	0.000558	-0.24212	0.014	0.076	1 Tcell	ARHGAP22
REL. 14	0.000559	0.39539	0.355	0.297	1 Tcell	REL
ARHGAP33.	0.00056	-0.15727	0.018	0.083	1 Tcell	ARHGAP33
ZNF446. 6	0.000561	-0.11647	0.014	0.076	1 Tcell	ZNF446
ZNF530. 7	0.000562	-0.11541	0.005	0.06	1 Tcell	ZNF530
EIF4ENIF1	0.000562	-0.12299	0.009	0.068	1 Tcell	EIF4ENIF1
NCAM2. 9	0.000563	-0.19177	0.009	0.068	1 Tcell	NCAM2
LTBP1. 8	0.000563	-0.1112	0	0.051	1 Tcell	LTBP1
PHLDA2. 6	0.000563	-0.1594	0	0.051	1 Tcell	PHLDA2
ZNF621	0.000567	-0.12332	0.005	0.06	1 Tcell	ZNF621
TLE2. 12	0.000567	-0.11378	0.023	0.092	1 Tcell	TLE2
RBM14. 9	0.000568	-0.11694	0.091	0.193	1 Tcell	RBM14
NUP43. 3	0.000568	-0.10149	0.018	0.084	1 Tcell	NUP43
RPP40. 8	0.000568	-0.12105	0.041	0.12	1 Tcell	RPP40
VIPR2. 12	0.000569	-0.20888	0.018	0.084	1 Tcell	VIPR2
THBS3. 3	0.000571	-0.11964	0.005	0.06	1 Tcell	THBS3
FARP2. 2	0.000572	-0.15264	0.009	0.068	1 Tcell	FARP2
RCN3. 2	0.000574	-0.15989	0.005	0.06	1 Tcell	RCN3
LCA5. 5	0.000576	-0.12364	0	0.051	1 Tcell	LCA5
TMEM38A. 5	0.000576	-0.1499	0	0.051	1 Tcell	TMEM38A
SYT6. 6	0.000576	-0.16904	0	0.051	1 Tcell	SYT6
CRLF3. 8	0.000578	0.471522	0.173	0.112	1 Tcell	CRLF3
FAM96B. 5	0.000581	-0.1621	0.423	0.662	1 Tcell	FAM96B
VAV2. 3	0.000583	-0.12128	0	0.051	1 Tcell	VAV2
CTSK. 7	0.000583	-0.16752	0	0.051	1 Tcell	CTSK
ATG4C. 7	0.000586	-0.14705	0.055	0.14	1 Tcell	ATG4C

SPSB4.12	0.000587	-0.11091	0.005	0.06	1 Tcell	SPSB4
BCAR3.2	0.000589	-0.14541	0	0.051	1 Tcell	BCAR3
HIPK3.5	0.000592	-0.14157	0.023	0.091	1 Tcell	HIPK3
ITGB1.10	0.000595	0.415828	0.395	0.385	1 Tcell	ITGB1
NUDT10.9	0.000596	-0.15461	0	0.051	1 Tcell	NUDT10
CREB3L4.3	0.000596	-0.17559	0	0.051	1 Tcell	CREB3L4
TYW1.6	0.000596	-0.10264	0.041	0.121	1 Tcell	TYW1
ABCB7.1	0.000598	-0.14801	0.036	0.112	1 Tcell	ABCB7
PLXNC1.12	0.000598	-0.19706	0.009	0.067	1 Tcell	PLXNC1
SIGLEC7.1	0.0006	-0.21453	0.014	0.075	1 Tcell	SIGLEC7
AGO1.5	0.0006	-0.11483	0.023	0.091	1 Tcell	AGO1
ZNF496.3	0.000601	-0.108	0.005	0.06	1 Tcell	ZNF496
EMC1.4	0.000606	-0.12891	0.05	0.133	1 Tcell	EMC1
LYRM9.6	0.000607	-0.12174	0.077	0.175	1 Tcell	LYRM9
KHK.3	0.00061	-0.15883	0.018	0.083	1 Tcell	KHK
ERBB4.8	0.000616	-0.17719	0.005	0.059	1 Tcell	ERBB4
NAT8L.6	0.000617	-0.12532	0	0.051	1 Tcell	NAT8L
ZBTB45.2	0.00062	-0.12842	0.005	0.059	1 Tcell	ZBTB45
TPCN1.9	0.000623	-0.1345	0.023	0.091	1 Tcell	TPCN1
ZNF660.3	0.000624	-0.11945	0	0.051	1 Tcell	ZNF660
FERMT1.9	0.000624	-0.19103	0	0.051	1 Tcell	FERMT1
RP11-305L	0.000629	0.128669	0.032	0.009	1 Tcell	RP11-305L7.3
COL9A2.6	0.00063	-0.18003	0.023	0.09	1 Tcell	COL9A2
ZNF213.1	0.000631	-0.11586	0	0.051	1 Tcell	ZNF213
PCGF1.3	0.000633	-0.21476	0.027	0.096	1 Tcell	PCGF1
PRMT3.6	0.000633	-0.11625	0.023	0.091	1 Tcell	PRMT3
ZNF197.3	0.000634	-0.14339	0.009	0.067	1 Tcell	ZNF197
ABCA2.13	0.000634	-0.21418	0.027	0.097	1 Tcell	ABCA2
NDUFB9.5	0.000636	-0.19071	0.445	0.693	1 Tcell	NDUFB9
TNFRSF14.0	0.000636	0.402652	0.177	0.114	1 Tcell	TNFRSF14
ZNF625.5	0.000638	-0.12236	0	0.05	1 Tcell	ZNF625
ANKRD13B.0	0.000638	-0.12554	0	0.05	1 Tcell	ANKRD13B
UGT8.10	0.000638	-0.25189	0	0.05	1 Tcell	UGT8
VAMP2.10	0.000638	0.273371	0.577	0.624	1 Tcell	VAMP2
POT1.4	0.00064	-0.14834	0.018	0.083	1 Tcell	POT1
BAX.11	0.000641	0.366787	0.514	0.567	1 Tcell	BAX
USP37.4	0.000642	-0.13856	0.009	0.067	1 Tcell	USP37
SMG7.2	0.000645	-0.10845	0.027	0.097	1 Tcell	SMG7
ZNF714.8	0.000647	-0.15192	0.032	0.104	1 Tcell	ZNF714
MPP1.14	0.000647	-0.11431	0.1	0.202	1 Tcell	MPP1
NTRK3.8	0.000655	-0.15012	0.009	0.067	1 Tcell	NTRK3
CHTF8.3	0.000656	-0.10494	0.082	0.18	1 Tcell	CHTF8
WRN.1	0.000659	-0.10721	0.005	0.059	1 Tcell	WRN
RAB23.4	0.00066	-0.1092	0	0.05	1 Tcell	RAB23
GJB2.9	0.00066	-0.1861	0	0.05	1 Tcell	GJB2
FOXK2.2	0.000661	-0.11841	0.018	0.083	1 Tcell	FOXK2
NUCB1.13	0.000661	-0.12585	0.268	0.448	1 Tcell	NUCB1
SUMF1.6	0.000663	-0.11368	0.055	0.139	1 Tcell	SUMF1
GID4	0.000664	-0.11691	0.005	0.059	1 Tcell	GID4
IGFBP4.7	0.000665	-0.16197	0.009	0.067	1 Tcell	IGFBP4
TET2.5	0.000672	-0.13331	0.023	0.089	1 Tcell	TET2

SLX4IP. 4	0.000673	-0.12924	0.005	0.059	1 Tcell	SLX4IP
ADAM23. 6	0.000675	-0.10952	0	0.05	1 Tcell	ADAM23
NOP56. 9	0.000678	-0.11178	0.245	0.417	1 Tcell	NOP56
DOK3. 13	0.000679	-0.19296	0.009	0.066	1 Tcell	DOK3
SREBF1. 6	0.000679	-0.14914	0.041	0.118	1 Tcell	SREBF1
TRMT11. 7	0.00068	-0.12732	0.041	0.118	1 Tcell	TRMT11
GNG3. 10	0.000681	-0.16452	0.014	0.075	1 Tcell	GNG3
MRRF. 2	0.000683	-0.18195	0.027	0.096	1 Tcell	MRRF
PPARA. 1	0.000684	-0.12906	0.005	0.059	1 Tcell	PPARA
ALDOC. 8	0.000685	-0.20082	0.068	0.157	1 Tcell	ALDOC
HNRNPA0. 1	0.000687	0.248432	0.573	0.643	1 Tcell	HNRNPA0
SRPX2. 10	0.000688	-0.14998	0.005	0.059	1 Tcell	SRPX2
SLC39A14. 0	0.000689	-0.18131	0.027	0.096	1 Tcell	SLC39A14
C16orf46. 0	0.000691	-0.11364	0	0.05	1 Tcell	C16orf46
ITPKC. 2	0.000691	-0.12011	0	0.05	1 Tcell	ITPKC
NME5. 7	0.000691	-0.12174	0	0.05	1 Tcell	NME5
RP11-452F	0.000691	-0.1875	0.05	0.128	1 Tcell	RP11-452F19. 3
ZNF219. 4	0.000693	-0.15468	0.009	0.067	1 Tcell	ZNF219
C1orf162. 0	0.000694	-0.30365	0.218	0.324	1 Tcell	C1orf162
TGFBR3	0.000696	0.201512	0.036	0.012	1 Tcell	TGFBR3
FEN1. 7	0.000696	-0.14189	0.055	0.138	1 Tcell	FEN1
FLRT3. 8	0.000697	-0.10778	0.005	0.059	1 Tcell	FLRT3
SHB. 4	0.000697	-0.12001	0.005	0.058	1 Tcell	SHB
TRAF3IP2. 0	0.000698	-0.11853	0.027	0.097	1 Tcell	TRAF3IP2
CHRNA9. 8	0.000698	-0.12813	0	0.05	1 Tcell	CHRNA9
MAPK8IP3. 0	0.000699	-0.10983	0.023	0.09	1 Tcell	MAPK8IP3
ABCC5. 3	0.000701	-0.13511	0.045	0.123	1 Tcell	ABCC5
FAXDC2. 8	0.000701	-0.15392	0.005	0.059	1 Tcell	FAXDC2
NMI. 12	0.000703	0.461879	0.245	0.181	1 Tcell	NMI
EP400. 5	0.000703	-0.11117	0.041	0.118	1 Tcell	EP400
QPRT. 6	0.000705	-0.18355	0.041	0.116	1 Tcell	QPRT
HHEX. 14	0.000705	-0.20424	0.005	0.059	1 Tcell	HHEX
RNF182. 9	0.000706	-0.12784	0	0.05	1 Tcell	RNF182
TOM1L1. 8	0.00071	-0.10176	0.005	0.058	1 Tcell	TOM1L1
MOK. 3	0.000712	-0.12148	0.009	0.067	1 Tcell	MOK
TNS3. 11	0.000713	-0.18704	0.014	0.074	1 Tcell	TNS3
PLXNA2. 4	0.000714	-0.1476	0	0.05	1 Tcell	PLXNA2
STARD13. 3	0.000714	-0.15506	0	0.05	1 Tcell	STARD13
RP11-573D	0.000717	0.257872	0.032	0.009	1 Tcell	RP11-573D15. 2
SPDL1. 7	0.000718	-0.13998	0.009	0.066	1 Tcell	SPDL1
ZKSCAN5. 8	0.000721	-0.11023	0.009	0.067	1 Tcell	ZKSCAN5
ARF1. 9	0.000728	0.171411	0.595	0.696	1 Tcell	ARF1
AP001055. 0	0.000731	-0.25656	0.018	0.081	1 Tcell	AP001055. 6
RP11-783K	0.000731	-0.16187	0	0.049	1 Tcell	RP11-783K16. 5
AC113189. 0	0.000731	-0.14064	0.009	0.066	1 Tcell	AC113189. 5
SEMA4C. 4	0.000735	-0.13586	0.027	0.096	1 Tcell	SEMA4C
LUZP2. 8	0.000739	-0.1712	0	0.049	1 Tcell	LUZP2
CNOT6. 4	0.000743	-0.11115	0.014	0.074	1 Tcell	CNOT6
FPGT. 1	0.000743	-0.15298	0.014	0.074	1 Tcell	FPGT
ASB13. 1	0.000745	-0.12154	0.005	0.058	1 Tcell	ASB13
CAP2. 8	0.000747	-0.146	0.005	0.058	1 Tcell	CAP2

PDLIM4.8	0.000748	-0.2247	0.014	0.074	1 Tcell	PDLIM4
FPR3.14	0.000748	-0.22239	0.005	0.057	1 Tcell	FPR3
SIK2.2	0.000749	-0.13367	0.005	0.058	1 Tcell	SIK2
TACC2.8	0.000749	-0.1211	0.005	0.058	1 Tcell	TACC2
PHLDA1.9	0.000755	-0.15106	0.241	0.398	1 Tcell	PHLDA1
AMH.10	0.000755	-0.11315	0.005	0.058	1 Tcell	AMH
DLX6.13	0.000756	-0.19687	0.005	0.058	1 Tcell	DLX6
VLDLR.3	0.000756	-0.11235	0	0.049	1 Tcell	VLDLR
LMLN.2	0.000756	-0.11306	0	0.049	1 Tcell	LMLN
RP11-159E	0.000756	-0.11749	0	0.049	1 Tcell	RP11-159D12.2
MPP6.10	0.000758	-0.10323	0.014	0.074	1 Tcell	MPP6
DENND3.14	0.000759	-0.25918	0.032	0.102	1 Tcell	DENND3
VANGL2.9	0.00076	-0.1055	0.014	0.074	1 Tcell	VANGL2
DDR2.8	0.000762	-0.13792	0.005	0.058	1 Tcell	DDR2
DGKG.6	0.000765	-0.13394	0	0.049	1 Tcell	DGKG
TRIM25.8	0.000766	-0.1208	0.023	0.089	1 Tcell	TRIM25
SERPINE1.	0.000766	-0.31677	0.032	0.101	1 Tcell	SERPINE1
GAR1.9	0.000767	-0.10366	0.091	0.192	1 Tcell	GAR1
CABIN1.6	0.000767	0.488121	0.191	0.132	1 Tcell	CABIN1
RIOK1.4	0.000767	-0.13207	0.068	0.158	1 Tcell	RIOK1
PTPRK.9	0.000769	-0.18159	0.005	0.058	1 Tcell	PTPRK
PCTP.7	0.00077	-0.17445	0.014	0.074	1 Tcell	PCTP
MARK4.8	0.000776	-0.11676	0.014	0.074	1 Tcell	MARK4
USP19.1	0.000778	-0.11418	0.014	0.074	1 Tcell	USP19
GRB10.9	0.00078	-0.10798	0.014	0.074	1 Tcell	GRB10
SDC1.8	0.000782	-0.10601	0	0.049	1 Tcell	SDC1
IL4I1.11	0.000782	-0.1564	0.009	0.066	1 Tcell	IL4I1
EML4.4	0.000783	0.576661	0.245	0.19	1 Tcell	EML4
SRRM3.11	0.000787	-0.19002	0.014	0.073	1 Tcell	SRRM3
UBIAD1.3	0.000791	-0.12607	0.032	0.103	1 Tcell	UBIAD1
CCDC8.7	0.000791	-0.10839	0	0.049	1 Tcell	CCDC8
KAT8.4	0.000793	-0.10255	0.082	0.178	1 Tcell	KAT8
LRRC25.14	0.000794	-0.24595	0.027	0.093	1 Tcell	LRRC25
C17orf97.	0.000795	-0.11391	0.005	0.058	1 Tcell	C17orf97
METTL21B.	0.000798	-0.12723	0.009	0.066	1 Tcell	METTL21B
MDP1.2	0.000798	-0.15057	0.041	0.116	1 Tcell	MDP1
PIR.6	0.0008	-0.16511	0.005	0.057	1 Tcell	PIR
GRIA1.4	0.0008	-0.10421	0	0.049	1 Tcell	GRIA1
C16orf87.	0.000801	0.122939	0.1	0.207	1 Tcell	C16orf87
AAED1.10	0.000801	-0.11309	0.086	0.183	1 Tcell	AAED1
LRRC28.3	0.000802	-0.1361	0.027	0.095	1 Tcell	LRRC28
PDE8B.6	0.000809	-0.10856	0	0.049	1 Tcell	PDE8B
KCNJ2.2	0.000809	-0.15265	0	0.049	1 Tcell	KCNJ2
DAGLB.9	0.00081	-0.12909	0.045	0.122	1 Tcell	DAGLB
DRAP1.3	0.000815	0.201858	0.586	0.676	1 Tcell	DRAP1
HSD17B10.	0.000815	-0.12814	0.305	0.499	1 Tcell	HSD17B10
NIT1.2	0.000818	-0.11457	0.077	0.172	1 Tcell	NIT1
ZNF853.1C	0.000818	-0.10451	0	0.049	1 Tcell	ZNF853
LRP11.3	0.000818	-0.10833	0	0.049	1 Tcell	LRP11
PPIL6.9	0.000818	-0.13861	0	0.049	1 Tcell	PPIL6
IGLON5.9	0.000818	-0.16876	0	0.049	1 Tcell	IGLON5

TRAF3IP2-	0.000822	-0.12164	0.018	0.081	1 Tcell	TRAF3IP2-AS1
PCDH8.6	0.000828	-0.12339	0	0.048	1 Tcell	PCDH8
CHI3L2.9	0.000833	-0.62216	0.095	0.182	1 Tcell	CHI3L2
LZTS2.5	0.000837	-0.10958	0.018	0.081	1 Tcell	LZTS2
SLC16A9.8	0.000837	-0.10768	0	0.048	1 Tcell	SLC16A9
STAC3.14	0.00084	-0.20776	0.018	0.08	1 Tcell	STAC3
DUSP28.3	0.000843	-0.10131	0.023	0.088	1 Tcell	DUSP28
FAM19A5.9	0.000847	-0.14114	0	0.048	1 Tcell	FAM19A5
NDUFAF3.6	0.000847	-0.10539	0.314	0.521	1 Tcell	NDUFAF3
FAM105A.1	0.000849	-0.27616	0.077	0.164	1 Tcell	FAM105A
SPRY1.12	0.000864	-0.12548	0.123	0.235	1 Tcell	SPRY1
ZNF454.8	0.000866	-0.11974	0	0.048	1 Tcell	ZNF454
CCDC149.1	0.000866	-0.13411	0	0.048	1 Tcell	CCDC149
ID3.11	0.000866	-0.20426	0.15	0.266	1 Tcell	ID3
SLC1A5.12	0.000871	0.397946	0.2	0.137	1 Tcell	SLC1A5
BDNF-AS.9	0.000876	-0.1033	0.009	0.065	1 Tcell	BDNF-AS
TTC23.1	0.000876	-0.11057	0	0.048	1 Tcell	TTC23
TMEM79.4	0.000877	-0.11873	0.005	0.057	1 Tcell	TMEM79
NFKBIE.11	0.000879	-0.13235	0.055	0.135	1 Tcell	NFKBIE
IREB2.4	0.000885	-0.11704	0.068	0.157	1 Tcell	IREB2
PPP5D1.3	0.000886	-0.14326	0	0.048	1 Tcell	PPP5D1
MCM3AP.1	0.000887	-0.106	0.036	0.11	1 Tcell	MCM3AP
TMEM255B.0	0.000888	-0.27191	0.005	0.056	1 Tcell	TMEM255B
PHF1.7	0.00089	0.631968	0.223	0.168	1 Tcell	PHF1
VPS18.3	0.000892	-0.13427	0.018	0.08	1 Tcell	VPS18
ZNF287.1	0.000896	-0.11755	0.005	0.057	1 Tcell	ZNF287
EEPDI.9	0.0009	-0.15716	0.014	0.073	1 Tcell	EEPDI
ZNF573.7	0.000901	-0.13311	0.009	0.065	1 Tcell	ZNF573
WFS1.1	0.000904	-0.13824	0.005	0.057	1 Tcell	WFS1
TLR7.11	0.000905	-0.18543	0.005	0.057	1 Tcell	TLR7
PLSCR4.6	0.000906	-0.12968	0	0.048	1 Tcell	PLSCR4
TXNDC16.4	0.000913	-0.1227	0.005	0.057	1 Tcell	TXNDC16
THAP8.2	0.000915	-0.11155	0.018	0.08	1 Tcell	THAP8
CARD11.11	0.000922	0.170511	0.064	0.027	1 Tcell	CARD11
RABGGTA.2	0.000926	-0.11393	0.05	0.13	1 Tcell	RABGGTA
C17orf96.0	0.000932	-0.10515	0.005	0.056	1 Tcell	C17orf96
IKBKE.12	0.000935	0.321547	0.105	0.056	1 Tcell	IKBKE
CRIM1.7	0.000937	-0.10973	0.009	0.064	1 Tcell	CRIM1
TRAF6.1	0.000942	-0.12519	0.009	0.064	1 Tcell	TRAF6
ARVCF.10	0.000944	-0.11467	0.005	0.056	1 Tcell	ARVCF
MVB12B.9	0.000952	-0.1494	0.032	0.101	1 Tcell	MVB12B
DMTN.1	0.000953	0.316602	0.05	0.019	1 Tcell	DMTN
SNX18.8	0.000956	-0.14298	0.041	0.114	1 Tcell	SNX18
LINC01023	0.000963	-0.1168	0.009	0.064	1 Tcell	LINC01023
ANLN.13	0.000963	-0.24917	0.009	0.063	1 Tcell	ANLN
HEATR6.1	0.000967	-0.11515	0.009	0.064	1 Tcell	HEATR6
LAMTOR5.6	0.000969	-0.20991	0.459	0.696	1 Tcell	LAMTOR5
NXPH4.8	0.000981	-0.15907	0.009	0.064	1 Tcell	NXPH4
EPHB3.4	0.000981	-0.11647	0	0.047	1 Tcell	EPHB3
SIGLEC8.1	0.000986	-0.25274	0.018	0.079	1 Tcell	SIGLEC8
TTL4.4	0.000989	-0.11542	0.014	0.072	1 Tcell	TTL4

CDC14B. 5	0.000991	-0.11316	0.009	0.064	1 Tcell	CDC14B
TNR. 10	0.000993	-0.20381	0.005	0.056	1 Tcell	TNR
MMD. 9	0.000996	-0.11639	0.132	0.247	1 Tcell	MMD
JDP2. 13	0.000998	-0.11611	0.014	0.072	1 Tcell	JDP2
LEMD1. 7	0.001003	-0.14422	0	0.047	1 Tcell	LEMD1
LMCD1. 9	0.001008	-0.11211	0.023	0.087	1 Tcell	LMCD1
BAK1. 6	0.001008	0.440271	0.173	0.115	1 Tcell	BAK1
GRK6. 7	0.001009	0.455324	0.191	0.134	1 Tcell	GRK6
COMTD1. 8	0.00101	0.299605	0.109	0.059	1 Tcell	COMTD1
ANP32B. 12	0.001011	0.384228	0.432	0.45	1 Tcell	ANP32B
GRID2. 6	0.001015	-0.13813	0	0.047	1 Tcell	GRID2
EGLN3. 7	0.001015	-0.16801	0.009	0.064	1 Tcell	EGLN3
HRK. 8	0.001016	-0.15545	0.009	0.064	1 Tcell	HRK
COA7. 4	0.001021	-0.11176	0.009	0.064	1 Tcell	COA7
TMBIM1. 11	0.001021	-0.12292	0.132	0.246	1 Tcell	TMBIM1
ABCA7. 1	0.001021	0.232592	0.041	0.014	1 Tcell	ABCA7
RHOC. 10	0.001022	-0.20841	0.35	0.536	1 Tcell	RHOC
MAL. 11	0.001024	0.205136	0.082	0.039	1 Tcell	MAL
RP11-11N9	0.001024	-0.21207	0.005	0.055	1 Tcell	RP11-11N9. 4
ZNF627. 7	0.001024	-0.14114	0.018	0.078	1 Tcell	ZNF627
ARHGEF9. 9	0.001025	-0.11693	0.045	0.121	1 Tcell	ARHGEF9
AFAP1. 9	0.001029	-0.10798	0.023	0.086	1 Tcell	AFAP1
PHTF2. 5	0.001035	0.394268	0.145	0.09	1 Tcell	PHTF2
MEX3B. 10	0.001035	-0.1233	0.009	0.064	1 Tcell	MEX3B
CTB-5506.	0.001038	-0.12355	0	0.047	1 Tcell	CTB-5506. 12
RCOR2. 9	0.001038	-0.14153	0	0.047	1 Tcell	RCOR2
AC116366.	0.001045	0.141656	0.023	0.006	1 Tcell	AC116366. 6
IFT80. 7	0.001048	-0.10259	0.014	0.072	1 Tcell	IFT80
TRAF3IP1	0.00105	-0.10393	0	0.047	1 Tcell	TRAF3IP1
KDM4C. 1	0.001054	0.323644	0.082	0.04	1 Tcell	KDM4C
BPNT1. 5	0.001059	-0.11278	0.036	0.108	1 Tcell	BPNT1
RP11-486G	0.001062	-0.12904	0	0.047	1 Tcell	RP11-486G15. 2
GATS. 8	0.001065	-0.10848	0.009	0.064	1 Tcell	GATS
PLCH2. 1	0.001071	0.136224	0.032	0.01	1 Tcell	PLCH2
LRRC1. 10	0.001077	-0.11956	0.014	0.071	1 Tcell	LRRC1
ACVR1B. 4	0.00108	-0.10752	0.023	0.086	1 Tcell	ACVR1B
TMC01. 6	0.00108	-0.18873	0.377	0.579	1 Tcell	TMC01
RASL11B. 1	0.001086	-0.20991	0.005	0.055	1 Tcell	RASL11B
CD300LF. 1	0.001086	-0.19172	0	0.046	1 Tcell	CD300LF
SLC19A1. 4	0.001086	-0.12646	0.014	0.071	1 Tcell	SLC19A1
ICA1. 7	0.001087	-0.12565	0.041	0.115	1 Tcell	ICA1
RNF144B. 1	0.001091	-0.17868	0.032	0.1	1 Tcell	RNF144B
THAP2. 4	0.001098	-0.14763	0.05	0.128	1 Tcell	THAP2
C6orf52. 4	0.001098	-0.1176	0	0.046	1 Tcell	C6orf52
PRSS23. 11	0.0011	-0.14321	0.018	0.079	1 Tcell	PRSS23
SLC17A5. 9	0.001105	-0.16406	0.036	0.107	1 Tcell	SLC17A5
ATP6V1G1.	0.001107	0.176958	0.673	0.756	1 Tcell	ATP6V1G1
ATP6AP1L.	0.001111	-0.1466	0	0.046	1 Tcell	ATP6AP1L
MFAP4. 8	0.001115	-0.14413	0.005	0.055	1 Tcell	MFAP4
HK2. 10	0.00112	-0.12399	0.023	0.086	1 Tcell	HK2
PITPNC1. 8	0.001126	0.50743	0.177	0.122	1 Tcell	PITPNC1

RP11-15A1	0.001128	-0.11445	0.005	0.055	1 Tcell	RP11-15A1.3
MIEF2.4	0.001128	-0.10534	0.009	0.063	1 Tcell	MIEF2
ZNF85.6	0.00113	-0.10668	0.023	0.086	1 Tcell	ZNF85
RRNAD1.1	0.001139	-0.10075	0.036	0.107	1 Tcell	RRNAD1
TLR2.14	0.00114	-0.18219	0.041	0.112	1 Tcell	TLR2
APTX.4	0.001145	-0.10052	0.059	0.14	1 Tcell	APTX
CTDSPL	0.001149	-0.10974	0	0.046	1 Tcell	CTDSPL
BBS10.4	0.001152	-0.10995	0.005	0.055	1 Tcell	BBS10
TGFBRAP1.	0.001156	-0.1433	0.009	0.062	1 Tcell	TGFBRAP1
SORD.4	0.001159	-0.11593	0.027	0.093	1 Tcell	SORD
NANP.1	0.001162	-0.10917	0.005	0.055	1 Tcell	NANP
TRO.6	0.001163	-0.10554	0.009	0.063	1 Tcell	TRO
NCALD.10	0.001165	-0.16256	0.05	0.126	1 Tcell	NCALD
JTB.6	0.001172	0.275203	0.541	0.611	1 Tcell	JTB
SPOPL.3	0.001172	-0.12894	0.005	0.055	1 Tcell	SPOPL
ZNF134.2	0.001175	-0.10658	0.018	0.078	1 Tcell	ZNF134
B4GALNT4.	0.001175	-0.11293	0	0.046	1 Tcell	B4GALNT4
GRIK3.9	0.001189	-0.11303	0	0.046	1 Tcell	GRIK3
NR2F2.9	0.001189	-0.15666	0	0.046	1 Tcell	NR2F2
ZNF296	0.001191	0.187526	0.032	0.01	1 Tcell	ZNF296
TMEM154.2	0.001192	0.327269	0.1	0.053	1 Tcell	TMEM154
SNX30.4	0.001195	-0.13108	0.009	0.063	1 Tcell	SNX30
TTC33.1	0.001197	-0.12389	0.009	0.062	1 Tcell	TTC33
PCNXL3	0.001202	-0.11176	0.005	0.054	1 Tcell	PCNXL3
HELB	0.00121	0.213539	0.045	0.017	1 Tcell	HELB
TFPI.8	0.001223	-0.11103	0.005	0.054	1 Tcell	TFPI
VPS33B.1	0.001227	-0.10229	0.009	0.062	1 Tcell	VPS33B
CAMSAP1.4	0.00123	-0.10344	0.023	0.085	1 Tcell	CAMSAP1
CIRBP.9	0.001234	0.10994	0.777	0.867	1 Tcell	CIRBP
ZNF253.9	0.001246	-0.12765	0.023	0.084	1 Tcell	ZNF253
SLC8B1.13	0.001246	-0.13714	0.032	0.099	1 Tcell	SLC8B1
ACOT13.4	0.001247	-0.1058	0.114	0.22	1 Tcell	ACOT13
ITPR2.12	0.001252	-0.10938	0.055	0.133	1 Tcell	ITPR2
WDFY2.5	0.001252	-0.11313	0.023	0.085	1 Tcell	WDFY2
C4orf36	0.001258	-0.14048	0	0.045	1 Tcell	C4orf36
TEX30.8	0.00126	-0.10497	0.077	0.167	1 Tcell	TEX30
GLIPR2.12	0.00126	0.413975	0.314	0.268	1 Tcell	GLIPR2
TMEM104.3	0.001261	-0.10217	0.009	0.062	1 Tcell	TMEM104
ARHGEF10.	0.001265	-0.14944	0.014	0.07	1 Tcell	ARHGEF10
CAD.4	0.001268	-0.1083	0.005	0.054	1 Tcell	CAD
MKRN3.8	0.001272	-0.13432	0	0.045	1 Tcell	MKRN3
MOB1B.4	0.001275	-0.11401	0.014	0.07	1 Tcell	MOB1B
CNPY3.13	0.001282	-0.14063	0.264	0.415	1 Tcell	CNPY3
PEX11B.4	0.001284	-0.11944	0.055	0.134	1 Tcell	PEX11B
IRF8.14	0.00129	-0.25147	0.077	0.16	1 Tcell	IRF8
PLXNA4.1C	0.001299	-0.1006	0.018	0.077	1 Tcell	PLXNA4
RGL3.3	0.001301	-0.10458	0	0.045	1 Tcell	RGL3
IL1RN.12	0.001306	-0.25714	0.018	0.076	1 Tcell	IL1RN
SSBP1.7	0.001307	-0.17706	0.423	0.643	1 Tcell	SSBP1
ISCU.8	0.001308	0.260512	0.527	0.567	1 Tcell	ISCU
AC092669.	0.001313	0.11569	0.018	0.004	1 Tcell	AC092669.3



TBC1D10A.	0.001318	0.448096	0.123	0.073	1 Tcell	TBC1D10A
WDR47.5	0.001319	-0.10591	0.036	0.105	1 Tcell	WDR47
XPNPEP3.1	0.001324	-0.10623	0.032	0.099	1 Tcell	XPNPEP3
PEX12.4	0.001325	-0.12565	0.005	0.053	1 Tcell	PEX12
PI3.9	0.001326	-0.36487	0.005	0.053	1 Tcell	PI3
CSMD2.3	0.001331	-0.13178	0	0.045	1 Tcell	CSMD2
FZD1.2	0.001331	-0.13378	0	0.045	1 Tcell	FZD1
CRB2.10	0.001331	-0.16594	0	0.045	1 Tcell	CRB2
CEP97.9	0.001333	-0.1176	0.018	0.077	1 Tcell	CEP97
FN3K.4	0.001333	-0.11288	0.023	0.084	1 Tcell	FN3K
IVNS1ABP.	0.001346	0.407946	0.286	0.237	1 Tcell	IVNS1ABP
GALNT3.1	0.00136	0.122242	0.023	0.006	1 Tcell	GALNT3
TMEM65	0.001361	-0.12437	0	0.045	1 Tcell	TMEM65
AC002456.	0.001361	-0.15633	0	0.045	1 Tcell	AC002456.2
CLIC2.10	0.001361	-0.19203	0	0.045	1 Tcell	CLIC2
CD3EAP.1	0.001365	-0.15442	0.032	0.098	1 Tcell	CD3EAP
EFCAB11.4	0.001366	-0.13085	0.009	0.061	1 Tcell	EFCAB11
HOXA5.9	0.001366	-0.116	0.009	0.061	1 Tcell	HOXA5
NCEH1.10	0.001372	-0.11257	0.014	0.069	1 Tcell	NCEH1
FAR1.4	0.001375	-0.12805	0.059	0.139	1 Tcell	FAR1
TMEM117.1	0.001377	-0.1072	0	0.045	1 Tcell	TMEM117
CEP57L1.9	0.001384	-0.10785	0.041	0.112	1 Tcell	CEP57L1
LRRK2.9	0.001389	-0.16328	0.009	0.061	1 Tcell	LRRK2
ARRDC4.4	0.00139	-0.10635	0.014	0.069	1 Tcell	ARRDC4
RECQL5.1	0.00139	-0.11094	0.005	0.053	1 Tcell	RECQL5
UBAP2.2	0.001392	-0.10771	0.027	0.092	1 Tcell	UBAP2
CTD-2020K	0.001394	0.182907	0.036	0.012	1 Tcell	CTD-2020K17.4
FH.8	0.001401	-0.12465	0.123	0.228	1 Tcell	FH
C8orf44.2	0.001403	-0.10612	0.009	0.061	1 Tcell	C8orf44
EFNA3.8	0.001406	-0.16453	0.009	0.061	1 Tcell	EFNA3
SLC6A9.4	0.001408	-0.1437	0	0.044	1 Tcell	SLC6A9
B9D2.4	0.001414	-0.11601	0.023	0.084	1 Tcell	B9D2
HID1.7	0.001415	-0.11131	0.005	0.053	1 Tcell	HID1
GPS2.1	0.001421	-0.10087	0.064	0.146	1 Tcell	GPS2
RP3-460G2	0.001422	-0.30406	0.009	0.061	1 Tcell	RP3-460G2.2
THAP10.2	0.001424	-0.11503	0	0.044	1 Tcell	THAP10
SCIMP.14	0.001424	-0.19224	0.023	0.084	1 Tcell	SCIMP
AMPD3.11	0.001427	-0.18021	0.005	0.053	1 Tcell	AMPD3
DNAJC6.6	0.001439	-0.12804	0.005	0.053	1 Tcell	DNAJC6
MGAT5.5	0.00144	-0.12003	0.014	0.069	1 Tcell	MGAT5
CDKN1A.11	0.001443	-0.15894	0.186	0.31	1 Tcell	CDKN1A
GNAO1.9	0.001443	-0.12149	0.027	0.092	1 Tcell	GNAO1
EIF3I.5	0.001446	-0.16259	0.382	0.606	1 Tcell	EIF3I
ATXN3.4	0.001456	-0.13655	0.073	0.158	1 Tcell	ATXN3
THBD.13	0.001456	-0.24782	0.032	0.095	1 Tcell	THBD
COQ3.6	0.001461	-0.10211	0.014	0.069	1 Tcell	COQ3
RAP1A.12	0.001472	0.285315	0.495	0.516	1 Tcell	RAP1A
ASIC1.8	0.00148	-0.10985	0.005	0.053	1 Tcell	ASIC1
ZNF844.3	0.00148	-0.12558	0.018	0.076	1 Tcell	ZNF844
PCOLCE.9	0.00149	-0.20747	0.023	0.082	1 Tcell	PCOLCE
FAM160B2.	0.001501	-0.11696	0.018	0.076	1 Tcell	FAM160B2

GEMIN8.2	0.001504	-0.12653	0.018	0.076	1 Tcell	GEMIN8
DSCC1.8	0.001506	-0.11507	0.009	0.061	1 Tcell	DSCC1
NFATC3.2	0.001513	0.517331	0.2	0.145	1 Tcell	NFATC3
USP31.6	0.001514	-0.12886	0.005	0.052	1 Tcell	USP31
HLA-DOA.1	0.00152	-0.22328	0.032	0.095	1 Tcell	HLA-DOA
SPR.3	0.001542	-0.11652	0.018	0.076	1 Tcell	SPR
TNFAIP8L2	0.001548	-0.1415	0.032	0.096	1 Tcell	TNFAIP8L2
TTC38.5	0.001549	-0.14637	0.027	0.09	1 Tcell	TTC38
ZNF473.1	0.001559	-0.11714	0	0.044	1 Tcell	ZNF473
PTGR2.2	0.001566	-0.11388	0.018	0.076	1 Tcell	PTGR2
CNBP.6	0.00157	0.167525	0.65	0.75	1 Tcell	CNBP
IRF5.14	0.001574	-0.21432	0.009	0.06	1 Tcell	IRF5
ZBTB6	0.001577	-0.10773	0	0.043	1 Tcell	ZBTB6
C11orf95.	0.001577	-0.1137	0	0.043	1 Tcell	C11orf95
RPRM.12	0.001584	-0.20099	0.014	0.068	1 Tcell	RPRM
PCSK5.3	0.001586	-0.11533	0.009	0.06	1 Tcell	PCSK5
FGF14-AS2	0.001594	-0.10481	0.005	0.052	1 Tcell	FGF14-AS2
ST8SIA5.8	0.001595	-0.1266	0	0.043	1 Tcell	ST8SIA5
ANXA4.11	0.0016	-0.13929	0.1	0.196	1 Tcell	ANXA4
MANBA.13	0.001605	-0.19408	0.05	0.122	1 Tcell	MANBA
C11orf31.	0.00161	-0.18958	0.441	0.672	1 Tcell	C11orf31
KITLG.6	0.001613	-0.10897	0	0.043	1 Tcell	KITLG
TMCC1-AS1	0.001613	-0.13357	0	0.043	1 Tcell	TMCC1-AS1
PLA2G7.11	0.001621	-0.18585	0.005	0.052	1 Tcell	PLA2G7
KIAA1586.	0.001634	-0.10085	0.045	0.116	1 Tcell	KIAA1586
LAMTOR4.6	0.001639	-0.16706	0.527	0.769	1 Tcell	LAMTOR4
SDS.14	0.001645	-0.26864	0.009	0.06	1 Tcell	SDS
MAPK8IP2.	0.001649	-0.12476	0	0.043	1 Tcell	MAPK8IP2
FLNB.4	0.00165	-0.10519	0.005	0.052	1 Tcell	FLNB
SLC4A8.7	0.001651	-0.10637	0.018	0.075	1 Tcell	SLC4A8
TMEM260.2	0.001657	-0.11032	0.018	0.075	1 Tcell	TMEM260
VDAC1.6	0.001659	-0.16359	0.409	0.635	1 Tcell	VDAC1
FSD1L.5	0.00166	-0.13217	0.005	0.051	1 Tcell	FSD1L
CTD-2015H	0.001668	-0.1241	0	0.043	1 Tcell	CTD-2015H6.3
PAQR8.9	0.001675	-0.1349	0.032	0.097	1 Tcell	PAQR8
ZNF16.5	0.00168	-0.12373	0.014	0.068	1 Tcell	ZNF16
FGF9.12	0.001684	-0.17109	0.005	0.051	1 Tcell	FGF9
NMT1.4	0.001689	0.113095	0.145	0.27	1 Tcell	NMT1
THAP6.2	0.00169	-0.11109	0.023	0.083	1 Tcell	THAP6
CENPJ.8	0.001694	-0.15096	0.014	0.067	1 Tcell	CENPJ
TLDC1.1	0.001696	-0.14375	0.005	0.051	1 Tcell	TLDC1
OXSM.2	0.001701	-0.1087	0.023	0.082	1 Tcell	OXSM
DAPK1.6	0.001723	-0.12669	0.009	0.06	1 Tcell	DAPK1
EZH2.13	0.001724	-0.13592	0.073	0.155	1 Tcell	EZH2
PCCA.1	0.001725	-0.11956	0.023	0.082	1 Tcell	PCCA
ACOT2.1	0.001727	-0.13691	0.014	0.067	1 Tcell	ACOT2
PLEKHM2.4	0.001727	-0.10733	0.036	0.103	1 Tcell	PLEKHM2
PDIK1L.3	0.001743	-0.13462	0.009	0.059	1 Tcell	PDIK1L
CPLX1.9	0.001745	-0.156	0	0.043	1 Tcell	CPLX1
GNPTAB.6	0.001753	0.580973	0.209	0.155	1 Tcell	GNPTAB
CASP1.12	0.001753	0.294432	0.286	0.225	1 Tcell	CASP1

HPS5. 6	0. 001757	-0. 1308	0. 045	0. 115	1 Tcell	HPS5
TSHZ1. 8	0. 001759	-0. 11743	0. 018	0. 075	1 Tcell	TSHZ1
EIF4B. 7	0. 00176	0. 428017	0. 382	0. 378	1 Tcell	EIF4B
ARPP21. 8	0. 001763	-0. 15301	0. 005	0. 051	1 Tcell	ARPP21
RNF217. 1	0. 001765	-0. 1042	0	0. 043	1 Tcell	RNF217
EFHD1. 8	0. 001768	-0. 23585	0. 009	0. 059	1 Tcell	EFHD1
MMP19. 9	0. 001775	-0. 20403	0. 009	0. 059	1 Tcell	MMP19
NUDC. 7	0. 001796	-0. 13537	0. 364	0. 584	1 Tcell	NUDC
AURKAIP1. 0. 0018	-0. 16645	0. 391	0. 61	1 Tcell	AURKAIP1	
GPN2. 2	0. 001802	-0. 1096	0. 045	0. 116	1 Tcell	GPN2
RP11-412D9. 4	0. 001805	-0. 11949	0	0. 042	1 Tcell	RP11-412D9. 4
AC018647. 3	0. 001805	-0. 22819	0	0. 042	1 Tcell	AC018647. 3
LIN7A. 6	0. 001826	-0. 10134	0	0. 042	1 Tcell	LIN7A
CHADL. 8	0. 001826	-0. 19171	0	0. 042	1 Tcell	CHADL
CLCN6. 2	0. 001837	-0. 14187	0. 014	0. 067	1 Tcell	CLCN6
MATN2. 9	0. 00184	-0. 10533	0. 014	0. 067	1 Tcell	MATN2
CRYBB1. 12	0. 001847	-0. 21066	0	0. 042	1 Tcell	CRYBB1
NBEA. 5	0. 001857	-0. 14679	0. 005	0. 05	1 Tcell	NBEA
BANP. 4	0. 001859	-0. 12432	0. 023	0. 081	1 Tcell	BANP
ECM1. 6	0. 001868	-0. 12766	0	0. 042	1 Tcell	ECM1
HIST1H2BD. 3	0. 001868	-0. 14358	0	0. 042	1 Tcell	HIST1H2BD
CTNNA2. 9	0. 001869	-0. 16313	0. 009	0. 059	1 Tcell	CTNNA2
BCL6. 4	0. 001871	-0. 11798	0. 055	0. 129	1 Tcell	BCL6
PIK3R2. 3	0. 001882	-0. 12221	0. 005	0. 051	1 Tcell	PIK3R2
MICB. 1	0. 001888	0. 188268	0. 05	0. 02	1 Tcell	MICB
RHOBTB1. 1	0. 001889	-0. 10751	0	0. 042	1 Tcell	RHOBTB1
STC2. 7	0. 001889	-0. 18087	0	0. 042	1 Tcell	STC2
RP11-69E11. 4	0. 001901	-0. 13147	0. 014	0. 067	1 Tcell	RP11-69E11. 4
TMEM169. 9	0. 00191	-0. 10491	0. 009	0. 059	1 Tcell	TMEM169
SNRNP35. 5	0. 001912	0. 124672	0. 1	0. 198	1 Tcell	SNRNP35
DLEU7. 13	0. 001913	-0. 2097	0. 005	0. 051	1 Tcell	DLEU7
NKX2-5. 9	0. 001915	-0. 18888	0. 014	0. 065	1 Tcell	NKX2-5
PIGK. 3	0. 001916	-0. 14681	0. 073	0. 153	1 Tcell	PIGK
LDOC1. 11	0. 001923	-0. 14735	0. 027	0. 089	1 Tcell	LDOC1
MID1. 7	0. 001924	-0. 11318	0. 005	0. 051	1 Tcell	MID1
SH3TC1. 13	0. 001926	-0. 16882	0. 023	0. 081	1 Tcell	SH3TC1
PXK. 5	0. 001934	-0. 10017	0. 064	0. 141	1 Tcell	PXK
PEX11A. 2	0. 001941	-0. 10803	0. 009	0. 059	1 Tcell	PEX11A
RNASE1. 11	0. 001946	-0. 42057	0. 091	0. 171	1 Tcell	RNASE1
PHF11. 12	0. 001949	0. 450077	0. 195	0. 141	1 Tcell	PHF11
GPC6. 6	0. 001954	-0. 13424	0	0. 042	1 Tcell	GPC6
DNAJC3-AS1. 1	0. 001969	-0. 11962	0. 005	0. 051	1 Tcell	DNAJC3-AS1
SUSD4. 8	0. 001976	-0. 13674	0	0. 042	1 Tcell	SUSD4
PDE3B. 4	0. 001978	0. 339262	0. 077	0. 038	1 Tcell	PDE3B
YEATS4. 11	0. 00198	-0. 11496	0. 145	0. 253	1 Tcell	YEATS4
CDC42EP3. 3	0. 001994	0. 434523	0. 177	0. 123	1 Tcell	CDC42EP3
SALL3. 7	0. 001999	-0. 10234	0	0. 042	1 Tcell	SALL3
TP53TG1. 7	0. 002001	-0. 12691	0. 105	0. 199	1 Tcell	TP53TG1
CMKLR1. 12	0. 002001	-0. 18815	0. 005	0. 05	1 Tcell	CMKLR1
ZNF140. 7	0. 002012	-0. 10995	0. 041	0. 108	1 Tcell	ZNF140
STAT6. 14	0. 002016	0. 264399	0. 095	0. 051	1 Tcell	STAT6

HOXA2.12	0.00202	-0.16784	0.018	0.073	1 Tcell	HOXA2
EPB41L4A.	0.002021	-0.10044	0	0.042	1 Tcell	EPB41L4A
ARID3A.5	0.002029	-0.11628	0.045	0.116	1 Tcell	ARID3A
HSPA4L.9	0.00203	-0.11133	0.018	0.074	1 Tcell	HSPA4L
ZNF471.3	0.002044	-0.10499	0	0.041	1 Tcell	ZNF471
ANKRD50.5	0.002096	-0.10924	0.005	0.05	1 Tcell	ANKRD50
SP9.10	0.002115	-0.15513	0	0.041	1 Tcell	SP9
FNTB.6	0.002128	-0.12449	0.027	0.087	1 Tcell	FNTB
OMG.10	0.00213	-0.18585	0.023	0.081	1 Tcell	OMG
ALDH3B1.1	0.002135	-0.18437	0.018	0.072	1 Tcell	ALDH3B1
YPEL4.6	0.002139	-0.1523	0	0.041	1 Tcell	YPEL4
NDUFS8.5	0.00214	-0.17353	0.4	0.613	1 Tcell	NDUFS8
TOX.10	0.002147	0.39042	0.136	0.086	1 Tcell	TOX
CENPP.5	0.002158	-0.14336	0.005	0.049	1 Tcell	CENPP
DAPK2.1	0.002167	0.269539	0.041	0.015	1 Tcell	DAPK2
ZMYND15.9	0.002167	-0.12632	0.009	0.058	1 Tcell	ZMYND15
EPB41L5.4	0.002169	-0.11089	0.005	0.05	1 Tcell	EPB41L5
ZFP28.1	0.002187	-0.10886	0	0.041	1 Tcell	ZFP28
CD163L1.4	0.002187	-0.14689	0	0.041	1 Tcell	CD163L1
SEP15.7	0.0022	-0.18648	0.441	0.661	1 Tcell	15-Sep
ADD3.7	0.002203	0.394522	0.186	0.131	1 Tcell	ADD3
MFSD6.6	0.002212	-0.13144	0.014	0.065	1 Tcell	MFSD6
FBXO16.4	0.002212	-0.11902	0	0.041	1 Tcell	FBXO16
IL6.6	0.002212	-0.20136	0	0.041	1 Tcell	IL6
RHOBTB2.2	0.002231	-0.10258	0.005	0.05	1 Tcell	RHOBTB2
SRF.1	0.002235	-0.11258	0.023	0.08	1 Tcell	SRF
FZD2.2	0.002237	-0.10007	0	0.041	1 Tcell	FZD2
NRG2.7	0.002237	-0.10575	0	0.041	1 Tcell	NRG2
THRB.2	0.002237	-0.10753	0	0.041	1 Tcell	THRB
MBTPS2.1	0.002246	-0.11145	0.018	0.073	1 Tcell	MBTPS2
SGPP1.9	0.002249	-0.12562	0.023	0.08	1 Tcell	SGPP1
LHPP.9	0.002264	-0.24176	0.041	0.106	1 Tcell	LHPP
SQSTM1.9	0.002269	-0.11784	0.341	0.527	1 Tcell	SQSTM1
RSBN1.11	0.002271	0.550694	0.259	0.216	1 Tcell	RSBN1
ZNF234.2	0.002274	-0.10103	0.009	0.057	1 Tcell	ZNF234
SIK1.12	0.002278	0.324725	0.155	0.099	1 Tcell	SIK1
UNC80.6	0.002288	-0.10152	0	0.041	1 Tcell	UNC80
PFAS.1	0.002288	-0.10456	0	0.041	1 Tcell	PFAS
RP4-798A1	0.002288	-0.11499	0	0.041	1 Tcell	RP4-798A10.7
MASP1.8	0.002288	-0.15744	0	0.041	1 Tcell	MASP1
PRKAG2-AS	0.002293	-0.13075	0.055	0.126	1 Tcell	PRKAG2-AS1
SERPINB9.	0.002301	0.346704	0.209	0.145	1 Tcell	SERPINB9
LITAF.14	0.002302	0.323694	0.468	0.459	1 Tcell	LITAF
IL17RA.14	0.002308	-0.12002	0.05	0.12	1 Tcell	IL17RA
TUBB4A.13	0.002324	-0.24232	0.05	0.119	1 Tcell	TUBB4A
TSPAN15.1	0.002344	-0.17913	0.023	0.079	1 Tcell	TSPAN15
C1QTNF4.1	0.002345	-0.12534	0.009	0.057	1 Tcell	C1QTNF4
SNAI2.7	0.002367	-0.10059	0	0.04	1 Tcell	SNAI2
CDCA7.11	0.002375	-0.15034	0.055	0.124	1 Tcell	CDCA7
C10orf10.	0.002379	-0.37959	0.032	0.092	1 Tcell	C10orf10
USP15.7	0.002392	0.435263	0.286	0.242	1 Tcell	USP15

ZNF501.2	0.002394	-0.12039	0	0.04	1 Tcell	ZNF501
SMIM10.4	0.002397	-0.12329	0.005	0.049	1 Tcell	SMIM10
INF2.7	0.002402	-0.12333	0.027	0.087	1 Tcell	INF2
RIN3.14	0.002405	-0.21605	0.05	0.116	1 Tcell	RIN3
JAK1.7	0.002414	0.529267	0.286	0.252	1 Tcell	JAK1
TRABD.13	0.002437	0.428626	0.3	0.258	1 Tcell	TRABD
MSL2.1	0.002442	0.439796	0.109	0.064	1 Tcell	MSL2
BRSK2.6	0.002449	-0.11025	0	0.04	1 Tcell	BRSK2
MLXIPL.1C	0.002449	-0.19532	0	0.04	1 Tcell	MLXIPL
PGAM2.10	0.002458	-0.17879	0.005	0.049	1 Tcell	PGAM2
ULK2.4	0.002461	-0.10753	0.014	0.064	1 Tcell	ULK2
KLF15.6	0.002477	-0.12115	0	0.04	1 Tcell	KLF15
UBXN1.8	0.002488	0.235357	0.555	0.622	1 Tcell	UBXN1
ZBTB25.2	0.002488	0.393858	0.136	0.087	1 Tcell	ZBTB25
TSR3.9	0.002519	0.12145	0.155	0.278	1 Tcell	TSR3
FGF12.9	0.002525	-0.15704	0.005	0.049	1 Tcell	FGF12
GALNT15.9	0.002533	-0.20983	0	0.04	1 Tcell	GALNT15
DLG2.6	0.002534	-0.11301	0.005	0.049	1 Tcell	DLG2
TTC26.7	0.002545	-0.11913	0.005	0.049	1 Tcell	TTC26
ZNF83.6	0.002554	0.115656	0.1	0.199	1 Tcell	ZNF83
NSDHL	0.002569	-0.1192	0.041	0.106	1 Tcell	NSDHL
RP11-556E	0.002579	-0.23483	0.009	0.056	1 Tcell	RP11-556E13.1
ANKRD6.4	0.00258	-0.10106	0.005	0.048	1 Tcell	ANKRD6
GLB1L	0.002591	-0.12405	0	0.04	1 Tcell	GLB1L
SHMT1.8	0.002592	-0.13533	0.05	0.119	1 Tcell	SHMT1
MXD1.8	0.002597	-0.16743	0.059	0.13	1 Tcell	MXD1
C14orf2.6	0.0026	0.148399	0.573	0.656	1 Tcell	C14orf2
KIAA1211L	0.002601	-0.10142	0.009	0.056	1 Tcell	KIAA1211L
ZNF618.6	0.002603	-0.14022	0.005	0.048	1 Tcell	ZNF618
CLDN15.7	0.002603	-0.10509	0.014	0.064	1 Tcell	CLDN15
HIST3H2A	0.002607	0.14436	0.023	0.006	1 Tcell	HIST3H2A
FGFR2.9	0.002614	-0.18057	0.005	0.048	1 Tcell	FGFR2
DCLRE1B.4	0.002623	-0.12067	0.009	0.056	1 Tcell	DCLRE1B
GPR153.3	0.00265	-0.10407	0	0.039	1 Tcell	GPR153
ADCY2.4	0.00265	-0.10942	0	0.039	1 Tcell	ADCY2
USP54.7	0.002651	-0.14542	0.005	0.048	1 Tcell	USP54
NEK11.6	0.002657	-0.1139	0.005	0.048	1 Tcell	NEK11
ICOSLG.13	0.00266	-0.16077	0.032	0.092	1 Tcell	ICOSLG
FAS.5	0.002661	0.27069	0.114	0.066	1 Tcell	FAS
UCP2.12	0.002669	0.342799	0.327	0.271	1 Tcell	UCP2
HLA-DQA1.	0.00267	-0.27028	0.209	0.308	1 Tcell	HLA-DQA1
RGS11.7	0.002682	-0.10962	0.005	0.048	1 Tcell	RGS11
AC011043.	0.002685	-0.11128	0.014	0.064	1 Tcell	AC011043.1
TPRG1	0.002686	0.204027	0.036	0.013	1 Tcell	TPRG1
GCNT1.2	0.002689	0.203632	0.055	0.024	1 Tcell	GCNT1
GSE1.11	0.002706	-0.11486	0.032	0.092	1 Tcell	GSE1
RP11-115C	0.002711	0.169512	0.027	0.086	1 Tcell	RP11-115C21.2
ATP1A2.1C	0.002719	-0.24828	0.014	0.063	1 Tcell	ATP1A2
GNG5.10	0.00272	-0.22588	0.464	0.648	1 Tcell	GNG5
CAMK1D.9	0.002726	-0.10203	0.045	0.112	1 Tcell	CAMK1D
ZNF713.5	0.002727	-0.12631	0.005	0.048	1 Tcell	ZNF713

ZGLP1.3	0.002752	-0.14516	0.005	0.048	1 Tcell	ZGLP1
RANGAP1.7	0.002781	-0.14033	0.041	0.104	1 Tcell	RANGAP1
CASP9.5	0.002791	-0.12559	0.027	0.085	1 Tcell	CASP9
ACTR3C	0.002793	0.174081	0.027	0.008	1 Tcell	ACTR3C
RXRA.8	0.0028	-0.12913	0.036	0.097	1 Tcell	RXRA
PDZRN4.8	0.002836	-0.15076	0	0.039	1 Tcell	PDZRN4
FABP6.10	0.002836	-0.15169	0	0.039	1 Tcell	FABP6
ZNF846.11	0.002843	-0.11703	0.018	0.071	1 Tcell	ZNF846
GEM.6	0.002844	-0.17748	0.036	0.098	1 Tcell	GEM
TMEM220.9	0.002858	-0.14864	0.018	0.07	1 Tcell	TMEM220
RAB3C.8	0.002868	-0.13435	0	0.039	1 Tcell	RAB3C
CTB-61M7.	0.002868	-0.20153	0	0.039	1 Tcell	CTB-61M7.2
DIEXF	0.002869	-0.1043	0.014	0.063	1 Tcell	DIEXF
PARP10.7	0.002881	0.349762	0.136	0.086	1 Tcell	PARP10
RAPGEF1.1	0.002883	-0.14329	0.05	0.118	1 Tcell	RAPGEF1
NAA38.6	0.002895	-0.10416	0.3	0.475	1 Tcell	NAA38
MROH8.3	0.002901	-0.13521	0	0.039	1 Tcell	MROH8
PACRGL.2	0.002918	-0.11436	0.018	0.071	1 Tcell	PACRGL
TTC21A.1	0.002934	-0.10799	0	0.039	1 Tcell	TTC21A
MAPK13.9	0.002946	0.264187	0.064	0.03	1 Tcell	MAPK13
CARD9.14	0.002949	-0.18519	0.018	0.07	1 Tcell	CARD9
DLEC1	0.002956	0.138652	0.018	0.004	1 Tcell	DLEC1
COR01B.12	0.002968	0.534151	0.368	0.361	1 Tcell	COR01B
NDUFS6.6	0.003005	-0.10416	0.414	0.632	1 Tcell	NDUFS6
PCDHB14.6	0.003012	-0.11466	0.009	0.055	1 Tcell	PCDHB14
TTC7B.1	0.003035	-0.11205	0	0.038	1 Tcell	TTC7B
PTGS2.13	0.003067	-0.19389	0.014	0.062	1 Tcell	PTGS2
NR6A1.1	0.003069	-0.10864	0	0.038	1 Tcell	NR6A1
EPOR.8	0.003088	-0.10815	0.018	0.07	1 Tcell	EPOR
RACGAP1.7	0.003091	-0.1532	0.027	0.084	1 Tcell	RACGAP1
PLEK.14	0.003093	-0.18603	0.095	0.177	1 Tcell	PLEK
LTBR.14	0.003123	-0.19607	0.036	0.096	1 Tcell	LTBR
ATPIF1.4	0.003137	0.165235	0.555	0.624	1 Tcell	ATPIF1
OSTC.10	0.003142	-0.12617	0.323	0.507	1 Tcell	OSTC
EEF2K.3	0.003164	-0.10427	0.005	0.047	1 Tcell	EEF2K
CLEC4A.14	0.003187	-0.17163	0.014	0.062	1 Tcell	CLEC4A
SYN1.4	0.003211	-0.11684	0	0.038	1 Tcell	SYN1
NECAB1.8	0.003211	-0.17636	0	0.038	1 Tcell	NECAB1
TRIP13.4	0.003214	-0.10356	0.005	0.047	1 Tcell	TRIP13
PPFIA2.8	0.003227	-0.14767	0.005	0.046	1 Tcell	PPFIA2
SPG7.4	0.003237	0.105345	0.132	0.243	1 Tcell	SPG7
HOXB7.6	0.003246	-0.18603	0.014	0.062	1 Tcell	HOXB7
FAM124A.5	0.003247	-0.12995	0	0.038	1 Tcell	FAM124A
SLC32A1.1	0.003247	-0.15284	0	0.038	1 Tcell	SLC32A1
RBAK	0.003253	-0.10226	0.005	0.046	1 Tcell	RBAK
FSTL3.1	0.003256	-0.11232	0.005	0.047	1 Tcell	FSTL3
RP11-295G	0.003271	-0.1014	0.005	0.047	1 Tcell	RP11-295G20.2
EPHB1.8	0.003278	-0.10826	0.005	0.047	1 Tcell	EPHB1
LNX1.9	0.003281	-0.10724	0.018	0.07	1 Tcell	LNX1
CTD-2350C	0.003284	-0.10412	0	0.038	1 Tcell	CTD-2350C19.2
ASCL2.13	0.003284	-0.15215	0	0.038	1 Tcell	ASCL2

PBK. 14	0.003289	-0.25034	0.023	0.074	1 Tcell	PBK
RHBDF2. 14	0.003296	-0.1304	0.095	0.179	1 Tcell	RHBDF2
PAQR7. 1	0.003318	-0.12606	0.005	0.046	1 Tcell	PAQR7
RP3-522D1	0.003321	-0.14846	0	0.038	1 Tcell	RP3-522D1. 1
PLAC8. 13	0.003323	0.41201	0.114	0.067	1 Tcell	PLAC8
PSMA2. 8	0.003341	-0.41664	0.014	0.062	1 Tcell	PSMA2
ST6GAL2. 8	0.003359	-0.11584	0	0.038	1 Tcell	ST6GAL2
RP11-536K	0.003359	-0.21378	0	0.038	1 Tcell	RP11-536K7. 3
KCTD15. 6	0.003367	-0.10205	0.005	0.046	1 Tcell	KCTD15
ATP5D. 13	0.003369	0.163174	0.55	0.615	1 Tcell	ATP5D
TMEM109. 1	0.003375	0.436277	0.255	0.204	1 Tcell	TMEM109
MAST1. 4	0.003384	-0.10475	0.005	0.046	1 Tcell	MAST1
ARIH1. 1	0.003396	-0.10929	0.036	0.097	1 Tcell	ARIH1
FAM198B. 1	0.003407	-0.18463	0.014	0.062	1 Tcell	FAM198B
NDUFA12. 5	0.003425	-0.11159	0.35	0.562	1 Tcell	NDUFA12
RBP7. 7	0.003427	-0.20504	0.005	0.046	1 Tcell	RBP7
NR1H3. 3	0.003443	-0.13346	0.009	0.054	1 Tcell	NR1H3
TLR5. 11	0.003449	-0.2002	0.005	0.046	1 Tcell	TLR5
DLGAP1. 7	0.003471	-0.10507	0.005	0.046	1 Tcell	DLGAP1
GAL. 7	0.003475	-0.15984	0	0.037	1 Tcell	GAL
NHP2. 8	0.003488	-0.11662	0.377	0.584	1 Tcell	NHP2
TP73. 1	0.003491	0.409203	0.064	0.031	1 Tcell	TP73
LRRC4. 5	0.003504	-0.13556	0.005	0.046	1 Tcell	LRRC4
CYB5D1. 3	0.003509	-0.11281	0.009	0.054	1 Tcell	CYB5D1
NYAP1. 6	0.003514	-0.11657	0	0.037	1 Tcell	NYAP1
CDC42EP2. 0	0.003514	-0.13005	0	0.037	1 Tcell	CDC42EP2
PACRG. 5	0.003514	-0.13305	0	0.037	1 Tcell	PACRG
CD180. 13	0.003514	-0.15215	0	0.037	1 Tcell	CD180
SERTAD3. 3	0.003517	-0.10769	0.091	0.175	1 Tcell	SERTAD3
ATOH8. 5	0.003521	-0.12378	0.009	0.054	1 Tcell	ATOH8
NDC1. 3	0.003528	-0.12744	0.014	0.061	1 Tcell	NDC1
GUCY1A2. 6	0.003554	-0.10293	0	0.037	1 Tcell	GUCY1A2
TFAP2A. 1C	0.003554	-0.12918	0	0.037	1 Tcell	TFAP2A
TBCA. 9	0.003561	-0.1671	0.505	0.714	1 Tcell	TBCA
ADARB1	0.003562	0.195154	0.059	0.027	1 Tcell	ADARB1
EDC3	0.003573	-0.10575	0.023	0.076	1 Tcell	EDC3
MBOAT1	0.003589	0.207424	0.055	0.024	1 Tcell	MBOAT1
ALPK1. 7	0.003595	-0.14264	0	0.037	1 Tcell	ALPK1
EGFL7. 3	0.003595	-0.15366	0	0.037	1 Tcell	EGFL7
ERI2. 3	0.003597	-0.1181	0.009	0.053	1 Tcell	ERI2
NME6. 4	0.003602	-0.14137	0.045	0.11	1 Tcell	NME6
FGD2. 13	0.003623	-0.12158	0.014	0.062	1 Tcell	FGD2
AP2M1. 3	0.003627	-0.14701	0.486	0.716	1 Tcell	AP2M1
PLBD1. 14	0.003659	-0.15169	0.036	0.095	1 Tcell	PLBD1
CDC42SE1.	0.00367	0.510253	0.332	0.303	1 Tcell	CDC42SE1
CCDC40	0.003677	-0.1009	0	0.037	1 Tcell	CCDC40
PSORS1C1.	0.003677	-0.13737	0	0.037	1 Tcell	PSORS1C1
DOPEY1. 1	0.003677	-0.10178	0.005	0.046	1 Tcell	DOPEY1
IMPA2. 7	0.003712	-0.13196	0.014	0.061	1 Tcell	IMPA2
HSPB6. 8	0.003717	-0.12233	0.014	0.061	1 Tcell	HSPB6
TAF7. 12	0.00372	-0.10432	0.345	0.557	1 Tcell	TAF7

ENPP2. 8	0. 003734	-0. 2378	0. 005	0. 045	1 Tcell	ENPP2
FAM102A. 9	0. 003747	0. 419614	0. 145	0. 097	1 Tcell	FAM102A
IL10RB-AS	0. 003748	-0. 18806	0. 005	0. 045	1 Tcell	IL10RB-AS1
RAB9B. 7	0. 003762	-0. 11619	0. 009	0. 053	1 Tcell	RAB9B
TMEM150C.	0. 003771	-0. 11225	0. 005	0. 045	1 Tcell	TMEM150C
CTC-250I1	0. 003771	0. 294066	0. 055	0. 025	1 Tcell	CTC-250I14. 6
ADRBK2. 9	0. 003776	-0. 10247	0. 009	0. 054	1 Tcell	ADRBK2
SAA2. 10	0. 003841	-0. 59083	0. 009	0. 053	1 Tcell	SAA2
RP1-223E5	0. 003847	-0. 10206	0	0. 037	1 Tcell	RP1-223E5. 4
SNCA. 14	0. 003859	-0. 20659	0. 073	0. 145	1 Tcell	SNCA
ZNF124. 5	0. 003889	-0. 14923	0. 014	0. 061	1 Tcell	ZNF124
PHOSPHO2.	0. 003917	-0. 13533	0. 005	0. 045	1 Tcell	PHOSPHO2
TYROBP. 14	0. 003918	-0. 17894	0. 336	0. 462	1 Tcell	TYROBP
IL27RA. 6	0. 003929	0. 345568	0. 095	0. 055	1 Tcell	IL27RA
RPN2. 4	0. 003932	-0. 15735	0. 414	0. 628	1 Tcell	RPN2
LINGO1. 7	0. 003934	-0. 11513	0	0. 036	1 Tcell	LINGO1
TPRN. 1	0. 003934	-0. 12224	0	0. 036	1 Tcell	TPRN
RNF122. 2	0. 003934	-0. 1465	0	0. 036	1 Tcell	RNF122
FCHSD2. 4	0. 003944	-0. 12821	0. 027	0. 082	1 Tcell	FCHSD2
SLC38A1. 1	0. 003978	0. 477615	0. 191	0. 14	1 Tcell	SLC38A1
BMPER. 4	0. 003979	-0. 10509	0	0. 036	1 Tcell	BMPER
KCND2. 6	0. 003979	-0. 10994	0	0. 036	1 Tcell	KCND2
TCEAL6. 8	0. 003979	-0. 15639	0	0. 036	1 Tcell	TCEAL6
KCNN2. 7	0. 004024	-0. 10062	0	0. 036	1 Tcell	KCNN2
TMEM243. 7	0. 004025	0. 346984	0. 255	0. 201	1 Tcell	TMEM243
MYBPC1. 8	0. 004032	-0. 16434	0. 005	0. 045	1 Tcell	MYBPC1
APCDD1. 3	0. 00407	-0. 11672	0	0. 036	1 Tcell	APCDD1
SHFM1. 8	0. 004076	-0. 17226	0. 482	0. 727	1 Tcell	SHFM1
IPMK. 3	0. 004097	-0. 11248	0. 005	0. 045	1 Tcell	IPMK
NXN. 6	0. 004116	-0. 11899	0	0. 036	1 Tcell	NXN
GNG10. 6	0. 004118	-0. 19293	0. 023	0. 074	1 Tcell	GNG10
SDCBP2. 5	0. 004124	-0. 10075	0. 005	0. 045	1 Tcell	SDCBP2
TRIQQ. 4	0. 004137	-0. 13952	0. 014	0. 06	1 Tcell	TRIQQ
DISP1. 3	0. 00421	-0. 13817	0	0. 036	1 Tcell	DISP1
ZC3H18. 8	0. 004216	0. 10866	0. 077	0. 158	1 Tcell	ZC3H18
RP11-315A	0. 004258	-0. 11356	0	0. 036	1 Tcell	RP11-315A16. 1
EIF3H. 8	0. 004273	0. 194143	0. 582	0. 67	1 Tcell	EIF3H
GALNT13. 9	0. 004274	-0. 12813	0. 005	0. 045	1 Tcell	GALNT13
DDT. 6	0. 004305	-0. 10433	0. 336	0. 526	1 Tcell	DDT
CAV2. 6	0. 004328	-0. 13581	0. 005	0. 044	1 Tcell	CAV2
ZSCAN5A. 1	0. 004333	-0. 10424	0. 009	0. 052	1 Tcell	ZSCAN5A
ZNF529. 5	0. 004339	-0. 11807	0. 014	0. 06	1 Tcell	ZNF529
MARCO. 10	0. 004368	-0. 26056	0. 014	0. 06	1 Tcell	MARCO
HARBI1. 1	0. 00437	-0. 10774	0. 005	0. 044	1 Tcell	HARBI1
RTTN. 2	0. 004386	-0. 10861	0. 005	0. 044	1 Tcell	RTTN
FBXO36	0. 004405	-0. 11318	0	0. 036	1 Tcell	FBXO36
PDE6B. 2	0. 004411	-0. 12931	0. 009	0. 052	1 Tcell	PDE6B
PTTG1. 12	0. 004421	0. 403081	0. 277	0. 229	1 Tcell	PTTG1
CAPN3. 11	0. 004435	-0. 28241	0. 005	0. 044	1 Tcell	CAPN3
ONECUT2. 9	0. 004458	-0. 1236	0. 005	0. 044	1 Tcell	ONECUT2
ANGEL1. 2	0. 004479	-0. 1318	0. 005	0. 044	1 Tcell	ANGEL1



TMBIM4.1C	0.00449	-0.30645	0.014	0.06	1 Tcell	TMBIM4
ME3.1	0.004502	-0.11185	0.005	0.044	1 Tcell	ME3
ZNF582	0.004539	-0.11978	0.005	0.044	1 Tcell	ZNF582
SH3RF3.2	0.004557	-0.12637	0	0.035	1 Tcell	SH3RF3
PDE7A.6	0.004559	0.373942	0.127	0.081	1 Tcell	PDE7A
TOP2A.13	0.004569	-0.19056	0.032	0.087	1 Tcell	TOP2A
GNAS.13	0.004591	-0.12339	0.441	0.651	1 Tcell	GNAS
CELF3.12	0.004597	-0.1365	0.018	0.067	1 Tcell	CELF3
NDUFA11.4	0.0046	-0.10173	0.518	0.745	1 Tcell	NDUFA11
TVP23A.4	0.004608	-0.15162	0	0.035	1 Tcell	TVP23A
IQGAP2.8	0.004625	0.546223	0.195	0.148	1 Tcell	IQGAP2
PSAP.11	0.004645	-0.16244	0.591	0.823	1 Tcell	PSAP
MALT1.9	0.004661	0.347509	0.118	0.073	1 Tcell	MALT1
DCK.10	0.00472	0.401592	0.305	0.265	1 Tcell	DCK
CD72.11	0.004739	-0.15464	0.009	0.051	1 Tcell	CD72
BIRC5.14	0.004771	-0.18862	0.045	0.106	1 Tcell	BIRC5
CLEC4E.12	0.004815	-0.24691	0.014	0.059	1 Tcell	CLEC4E
NDUFA7.1C	0.004819	-0.33872	0.005	0.043	1 Tcell	NDUFA7
AC005618.	0.004821	-0.1301	0.005	0.043	1 Tcell	AC005618.6
SMOC1.8	0.004821	-0.1531	0	0.035	1 Tcell	SMOC1
TAL1.9	0.004821	-0.17634	0	0.035	1 Tcell	TAL1
RUNX1T1.6	0.004876	-0.10155	0	0.035	1 Tcell	RUNX1T1
DNASE1L1.	0.004882	-0.13556	0.023	0.073	1 Tcell	DNASE1L1
PLP1.11	0.004887	-0.3011	0.095	0.172	1 Tcell	PLP1
ZNF35.4	0.004901	-0.10457	0.014	0.059	1 Tcell	ZNF35
CADPS.8	0.004913	-0.16947	0.005	0.043	1 Tcell	CADPS
MUC12.5	0.004941	-0.16078	0.005	0.043	1 Tcell	MUC12
RAPGEF5.9	0.004955	-0.20878	0.005	0.043	1 Tcell	RAPGEF5
LACC1.8	0.004988	-0.13592	0	0.035	1 Tcell	LACC1
AC015691.	0.00499	0.151969	0.014	0.003	1 Tcell	AC015691.13
ZNF536.9	0.005002	-0.12578	0.005	0.043	1 Tcell	ZNF536
SORBS2.1C	0.005033	-0.11848	0.009	0.051	1 Tcell	SORBS2
INA.8	0.005039	-0.13393	0.005	0.043	1 Tcell	INA
LINC00237	0.005044	-0.10326	0	0.035	1 Tcell	LINC00237
RP11-403I	0.005044	-0.20462	0	0.035	1 Tcell	RP11-403I13.5
VCAM1.10	0.005057	-0.15447	0.023	0.073	1 Tcell	VCAM1
CXCL12.9	0.005139	-0.19926	0.005	0.043	1 Tcell	CXCL12
POC5.3	0.005152	-0.11469	0.009	0.051	1 Tcell	POC5
AEN.3	0.005159	0.393795	0.132	0.086	1 Tcell	AEN
RP11-455F	0.00516	-0.10225	0	0.034	1 Tcell	RP11-455F5.3
HOXC8.8	0.00516	-0.1283	0	0.034	1 Tcell	HOXC8
CTA-293F1	0.00516	-0.13511	0	0.034	1 Tcell	CTA-293F17.1
PRR11.6	0.005164	-0.10041	0.018	0.065	1 Tcell	PRR11
PI4K2A.9	0.005192	-0.10525	0.018	0.066	1 Tcell	PI4K2A
LAT2.14	0.005226	-0.23764	0.127	0.204	1 Tcell	LAT2
ANKH.8	0.005258	-0.10159	0.077	0.15	1 Tcell	ANKH
CDCP1.10	0.005278	-0.145	0	0.034	1 Tcell	CDCP1
COLEC12.5	0.005278	-0.14515	0	0.034	1 Tcell	COLEC12
CCNI.9	0.005281	0.175875	0.623	0.707	1 Tcell	CCNI
SULT1A1.1	0.005297	-0.1888	0.009	0.05	1 Tcell	SULT1A1
NUP37.7	0.005299	-0.11263	0.064	0.132	1 Tcell	NUP37

PLB1.12	0.005304	-0.14207	0.005	0.043	1 Tcell	PLB1
POLR2C.1C	0.005317	0.148027	0.214	0.352	1 Tcell	POLR2C
PCL0.4	0.005338	-0.10745	0	0.034	1 Tcell	PCL0
RNF175.2	0.005338	-0.11824	0	0.034	1 Tcell	RNF175
GBGT1.13	0.005367	-0.1419	0.009	0.051	1 Tcell	GBGT1
NFATC1.7	0.005374	0.287751	0.091	0.052	1 Tcell	NFATC1
KCNQ3.6	0.005376	-0.17337	0.005	0.042	1 Tcell	KCNQ3
EEF1G.5	0.005394	0.369613	0.15	0.102	1 Tcell	EEF1G
CXorf21.1	0.005401	-0.2554	0.027	0.077	1 Tcell	CXorf21
PGM2.10	0.005415	-0.11605	0.077	0.15	1 Tcell	PGM2
TMEM219.1	0.005433	-0.10065	0.377	0.564	1 Tcell	TMEM219
A1BG.6	0.005489	0.138121	0.177	0.301	1 Tcell	A1BG
DENND1B.6	0.005518	0.447101	0.136	0.091	1 Tcell	DENND1B
CHST9.4	0.005522	-0.10736	0	0.034	1 Tcell	CHST9
ADPRH.8	0.005522	-0.12897	0	0.034	1 Tcell	ADPRH
TMEM230.3	0.005525	-0.1741	0.418	0.62	1 Tcell	TMEM230
RAB3IL1.9	0.005585	-0.13814	0	0.034	1 Tcell	RAB3IL1
NMNAT3.1	0.005588	-0.12783	0.005	0.042	1 Tcell	NMNAT3
AKIRIN2.1	0.00559	0.418373	0.377	0.381	1 Tcell	AKIRIN2
SC5D.6	0.005602	0.568503	0.218	0.172	1 Tcell	SC5D
P2RY6.12	0.005648	-0.13778	0	0.034	1 Tcell	P2RY6
UBE2T.13	0.005724	-0.17362	0.064	0.128	1 Tcell	UBE2T
PIFO.10	0.00573	-0.18317	0.009	0.05	1 Tcell	PIFO
UHRF1BP1	0.005758	-0.11114	0.005	0.042	1 Tcell	UHRF1BP1
ULK1	0.005774	-0.10262	0.009	0.05	1 Tcell	ULK1
ARHGAP5-A	0.005777	-0.11369	0	0.034	1 Tcell	ARHGAP5-AS1
ERCC8	0.00579	-0.10348	0.018	0.065	1 Tcell	ERCC8
SLMAP.4	0.005815	0.129097	0.059	0.128	1 Tcell	SLMAP
ZNF445.2	0.005833	-0.13557	0.018	0.065	1 Tcell	ZNF445
TFEC.14	0.005846	-0.18674	0.014	0.057	1 Tcell	TFEC
NEDD8.6	0.005853	0.134729	0.641	0.747	1 Tcell	NEDD8
USP53.13	0.005873	-0.179	0.073	0.142	1 Tcell	USP53
ACSM5.9	0.00591	-0.17042	0	0.033	1 Tcell	ACSM5
VAMP5.9	0.005912	-0.25015	0.277	0.399	1 Tcell	VAMP5
FAM64A.14	0.005937	-0.19314	0.023	0.07	1 Tcell	FAM64A
FKBP8.6	0.005942	0.244368	0.55	0.648	1 Tcell	FKBP8
MED16.7	0.005957	0.1344	0.082	0.16	1 Tcell	MED16
SLC05A1.9	0.006066	-0.10742	0.005	0.042	1 Tcell	SLC05A1
PSD2.7	0.0061	-0.11194	0.005	0.042	1 Tcell	PSD2
HLX.7	0.006108	-0.14721	0.005	0.041	1 Tcell	HLX
ZNF415.3	0.006113	-0.10932	0	0.033	1 Tcell	ZNF415
TTC5.3	0.006135	-0.11138	0.041	0.098	1 Tcell	TTC5
KIF20B.1C	0.00614	0.31223	0.132	0.086	1 Tcell	KIF20B
CPED1.11	0.006183	-0.14341	0	0.033	1 Tcell	CPED1
RP11-480C	0.00621	-0.24561	0.009	0.049	1 Tcell	RP11-480C22.1
HEATR3.1	0.006223	-0.10593	0.014	0.057	1 Tcell	HEATR3
RPH3A.7	0.006253	-0.12023	0	0.033	1 Tcell	RPH3A
HLA-DRB5.	0.006275	-0.22195	0.3	0.402	1 Tcell	HLA-DRB5
FABP3.8	0.00629	-0.16609	0.009	0.049	1 Tcell	FABP3
ZNF785	0.006313	-0.10549	0.009	0.049	1 Tcell	ZNF785
APLN.7	0.006396	-0.13387	0	0.033	1 Tcell	APLN

RP2. 10	0. 006418	-0. 10477	0. 027	0. 078	1 Tcell	RP2
CDK1. 11	0. 006438	-0. 16562	0. 041	0. 097	1 Tcell	CDK1
EIF3D. 8	0. 006455	0. 314247	0. 445	0. 477	1 Tcell	EIF3D
ZNF565	0. 006469	-0. 10093	0	0. 033	1 Tcell	ZNF565
EMILIN3. 8	0. 006469	-0. 10203	0	0. 033	1 Tcell	EMILIN3
FRY. 1	0. 006469	-0. 10732	0	0. 033	1 Tcell	FRY
VILL	0. 006481	0. 234183	0. 041	0. 017	1 Tcell	VILL
TMEM246. 9	0. 006513	-0. 13097	0. 009	0. 049	1 Tcell	TMEM246
GRIK2. 3	0. 006543	-0. 10748	0	0. 033	1 Tcell	GRIK2
PLEKHH1. 7	0. 006543	-0. 14392	0	0. 033	1 Tcell	PLEKHH1
GPD1. 11	0. 006592	-0. 16854	0. 009	0. 049	1 Tcell	GPD1
RBM4. 10	0. 006603	0. 16919	0. 123	0. 222	1 Tcell	RBM4
C19orf38. 0	0. 006663	-0. 18236	0. 009	0. 049	1 Tcell	C19orf38
CCDC151. 9	0. 006645	-0. 1452	0. 018	0. 064	1 Tcell	CCDC151
FRMD3. 8	0. 006677	-0. 10539	0. 014	0. 056	1 Tcell	FRMD3
CD300C. 14	0. 006758	-0. 22993	0. 023	0. 069	1 Tcell	CD300C
CA10. 8	0. 006769	-0. 13228	0	0. 032	1 Tcell	CA10
NCAPD3. 3	0. 006811	-0. 11053	0. 032	0. 084	1 Tcell	NCAPD3
IL13RA2. 1	0. 006836	-0. 2063	0. 014	0. 056	1 Tcell	IL13RA2
C5orf38. 5	0. 006846	-0. 10737	0	0. 032	1 Tcell	C5orf38
ADAMTS4. 7	0. 006846	-0. 16348	0	0. 032	1 Tcell	ADAMTS4
APOBEC3F	0. 006885	0. 258667	0. 05	0. 023	1 Tcell	APOBEC3F
LILRB3. 9	0. 006923	-0. 14446	0. 005	0. 041	1 Tcell	LILRB3
OTOA. 11	0. 006924	-0. 13693	0	0. 032	1 Tcell	OTOA
CA9. 8	0. 006932	-0. 1543	0. 005	0. 041	1 Tcell	CA9
ARX. 9	0. 006981	-0. 12771	0. 005	0. 04	1 Tcell	ARX
RP11-480C	0. 007003	-0. 10842	0	0. 032	1 Tcell	RP11-480C16. 1
GPR89A. 3	0. 007013	-0. 10251	0. 064	0. 129	1 Tcell	GPR89A
KDM7A. 4	0. 007016	-0. 10433	0. 018	0. 063	1 Tcell	KDM7A
MARVELD1. 0	0. 007033	-0. 10269	0. 005	0. 04	1 Tcell	MARVELD1
LMO3. 9	0. 007051	-0. 12513	0. 032	0. 084	1 Tcell	LMO3
INHBB. 4	0. 007082	-0. 10054	0	0. 032	1 Tcell	INHBB
SPAG4. 8	0. 007106	-0. 15741	0. 009	0. 048	1 Tcell	SPAG4
NDRG3. 8	0. 007181	0. 12496	0. 095	0. 179	1 Tcell	NDRG3
UBALD2. 8	0. 007207	0. 438463	0. 286	0. 259	1 Tcell	UBALD2
COL4A5. 5	0. 007245	-0. 10605	0	0. 032	1 Tcell	COL4A5
FAM195B. 4	0. 007291	-0. 28857	0. 023	0. 069	1 Tcell	FAM195B
RP5-1065J	0. 007303	-0. 10674	0. 009	0. 048	1 Tcell	RP5-1065J22. 8
ST18. 8	0. 007308	-0. 15508	0. 005	0. 04	1 Tcell	ST18
CACNA2D3. 0	0. 007327	-0. 12681	0	0. 032	1 Tcell	CACNA2D3
MOG. 11	0. 007327	-0. 25034	0	0. 032	1 Tcell	MOG
SNCB. 4	0. 007411	-0. 10811	0	0. 032	1 Tcell	SNCB
UQCR11. 9	0. 007425	-0. 25016	0. 055	0. 116	1 Tcell	UQCR11
CPPED1. 14	0. 007433	-0. 17651	0. 023	0. 068	1 Tcell	CPPED1
RP11-110G	0. 007433	-0. 10585	0. 005	0. 04	1 Tcell	RP11-110G21. 1
KLK6. 10	0. 007495	-0. 26582	0	0. 032	1 Tcell	KLK6
TMEM52B. 1	0. 007502	-0. 17822	0. 009	0. 048	1 Tcell	TMEM52B
SRCIN1. 9	0. 00758	-0. 13799	0	0. 031	1 Tcell	SRCIN1
MED15. 5	0. 007585	0. 427948	0. 186	0. 142	1 Tcell	MED15
TRIM59. 3	0. 00766	0. 200489	0. 05	0. 023	1 Tcell	TRIM59
C4orf47. 3	0. 007667	-0. 10893	0	0. 031	1 Tcell	C4orf47

CLVS1.7	0.007667	-0.11712	0	0.031	1 Tcell	CLVS1
FAM177B.9	0.007667	-0.16056	0	0.031	1 Tcell	FAM177B
SEC61B.5	0.007667	0.117331	0.645	0.738	1 Tcell	SEC61B
HOPX.13	0.007708	0.300124	0.345	0.281	1 Tcell	HOPX
OFD1.4	0.007716	0.449452	0.3	0.274	1 Tcell	OFD1
NFATC2.11	0.007753	0.444298	0.082	0.046	1 Tcell	NFATC2
AC002467.0	0.007754	-0.10404	0	0.031	1 Tcell	AC002467.7
FAM107A.4	0.007777	-0.14322	0.009	0.048	1 Tcell	FAM107A
MAFK.2	0.007784	-0.10936	0.005	0.04	1 Tcell	MAFK
MCM3AP-AS	0.007842	-0.10701	0	0.031	1 Tcell	MCM3AP-AS1
CTNNBL1.5	0.007862	0.147543	0.182	0.299	1 Tcell	CTNNBL1
HSP90B1.8	0.007868	-0.13646	0.459	0.662	1 Tcell	HSP90B1
FBL.9	0.007897	0.382338	0.382	0.378	1 Tcell	FBL
C9orf16.7	0.007902	0.241421	0.523	0.583	1 Tcell	C9orf16
CACNA2D1.0	0.007932	-0.10376	0	0.031	1 Tcell	CACNA2D1
FAM71E1.1	0.007932	-0.10529	0	0.031	1 Tcell	FAM71E1
MAP7.8	0.007981	-0.17808	0.005	0.04	1 Tcell	MAP7
DAPL1.4	0.007989	-0.14685	0.014	0.055	1 Tcell	DAPL1
MYT1.10	0.008012	-0.10315	0.005	0.04	1 Tcell	MYT1
WFDC2.5	0.008022	-0.10658	0	0.031	1 Tcell	WFDC2
SNAPC5.4	0.008033	0.197068	0.123	0.213	1 Tcell	SNAPC5
NUB1.5	0.008058	0.12035	0.15	0.255	1 Tcell	NUB1
SFMBT1.3	0.008091	0.337466	0.109	0.068	1 Tcell	SFMBT1
RP11-108M	0.008118	-0.10682	0.045	0.103	1 Tcell	RP11-108M9.4
DOCK2.14	0.008138	0.203731	0.123	0.076	1 Tcell	DOCK2
PINLYP.5	0.008231	-0.14164	0.014	0.054	1 Tcell	PINLYP
RP11-89K1	0.008298	0.137465	0.018	0.005	1 Tcell	RP11-89K11.1
LINC00882	0.0083	-0.12742	0	0.031	1 Tcell	LINC00882
KCNK6.11	0.008303	0.237519	0.073	0.039	1 Tcell	KCNK6
AGFG2.2	0.008325	0.251846	0.073	0.039	1 Tcell	AGFG2
LHX1.7	0.008394	-0.11984	0	0.031	1 Tcell	LHX1
TRIB3.10	0.008403	-0.12958	0.027	0.075	1 Tcell	TRIB3
NP1PB11	0.008424	0.147257	0.027	0.01	1 Tcell	NP1PB11
TRIM38.11	0.008452	0.279949	0.145	0.097	1 Tcell	TRIM38
CCBL1.2	0.008459	-0.10706	0.014	0.054	1 Tcell	CCBL1
TMTC3.5	0.008516	0.106216	0.036	0.091	1 Tcell	TMTC3
EIF3L.6	0.008557	0.225734	0.527	0.608	1 Tcell	EIF3L
ELP5.9	0.008564	0.130951	0.164	0.269	1 Tcell	ELP5
N4BP2L2.3	0.008565	0.339227	0.459	0.517	1 Tcell	N4BP2L2
PDGFB.11	0.008567	-0.19145	0.009	0.046	1 Tcell	PDGFB
C6orf141.0	0.008587	-0.1226	0	0.03	1 Tcell	C6orf141
NLRP3.13	0.008712	-0.13555	0.036	0.088	1 Tcell	NLRP3
ZCCHC9.2	0.008724	0.101577	0.082	0.157	1 Tcell	ZCCHC9
USP20.1	0.008748	0.294207	0.082	0.047	1 Tcell	USP20
ZNF804A.5	0.00884	-0.11369	0.005	0.039	1 Tcell	ZNF804A
NACA2.5	0.00887	0.324841	0.218	0.167	1 Tcell	NACA2
CMYA5.4	0.008884	-0.10164	0	0.03	1 Tcell	CMYA5
LPAR5.12	0.008907	-0.20932	0.05	0.105	1 Tcell	LPAR5
LTB4R.10	0.008966	0.250121	0.064	0.033	1 Tcell	LTB4R
NEUROD2.6	0.008985	-0.13351	0	0.03	1 Tcell	NEUROD2
IGFBP7-AS	0.009088	-0.10113	0	0.03	1 Tcell	IGFBP7-AS1

FAM222A. 6	0.009088	-0.1078	0	0.03	1 Tcell	FAM222A
CD1D. 12	0.009091	-0.185	0.005	0.038	1 Tcell	CD1D
GLIPR1L2.	0.00912	-0.12329	0.005	0.039	1 Tcell	GLIPR1L2
DENR. 9	0.009162	0.109684	0.195	0.323	1 Tcell	DENR
ERBB3. 9	0.009171	-0.15718	0.005	0.038	1 Tcell	ERBB3
NCOR1. 12	0.009187	0.298166	0.432	0.465	1 Tcell	NCOR1
RP3-508I1	0.009191	-0.10171	0	0.03	1 Tcell	RP3-508I15. 14
EPC1. 7	0.009263	0.540483	0.309	0.291	1 Tcell	EPC1
SNRPN. 11	0.009378	-0.28962	0.045	0.099	1 Tcell	SNRPN
GPR85. 2	0.009402	-0.10991	0	0.03	1 Tcell	GPR85
MMP7. 8	0.009402	-0.23918	0	0.03	1 Tcell	MMP7
TF. 11	0.009483	-0.24902	0.027	0.074	1 Tcell	TF
ATP5F1. 5	0.009534	-0.11764	0.423	0.648	1 Tcell	ATP5F1
PSIP1. 11	0.009586	0.367961	0.377	0.384	1 Tcell	PSIP1
RGS18. 14	0.009593	-0.15738	0.014	0.053	1 Tcell	RGS18
MAG. 11	0.009595	-0.34249	0.005	0.038	1 Tcell	MAG
PLA2G2A. 7	0.009596	-0.40522	0.005	0.038	1 Tcell	PLA2G2A
ORMDL3. 8	0.009702	0.501387	0.168	0.126	1 Tcell	ORMDL3
RBM38. 9	0.009704	0.460774	0.177	0.135	1 Tcell	RBM38
TFAP2B. 9	0.009728	-0.10761	0	0.03	1 Tcell	TFAP2B
ATP1B1. 11	0.009751	-0.1419	0.15	0.236	1 Tcell	ATP1B1
RP5-1177M	0.009781	-0.1579	0.009	0.046	1 Tcell	RP5-1177M21. 1
BLOC1S1. 8	0.0098	-0.11911	0.427	0.652	1 Tcell	BLOC1S1
KIAA1324L	0.009839	-0.10889	0	0.029	1 Tcell	KIAA1324L
AP005530.	0.009839	-0.14511	0	0.029	1 Tcell	AP005530. 2
IL15. 11	0.009849	-0.15251	0.005	0.038	1 Tcell	IL15
CCDC170. 6	0.009875	-0.10207	0.009	0.046	1 Tcell	CCDC170
LOX. 9	0.009901	-0.1712	0.009	0.046	1 Tcell	LOX
CCNE2. 10	0.00996	-0.14946	0.018	0.059	1 Tcell	CCNE2
MYT1L. 12	0.009972	-0.15302	0.018	0.059	1 Tcell	MYT1L
ZDHHC24. 8	0.009977	0.134506	0.105	0.189	1 Tcell	ZDHHC24



























































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































