

Subgroup marker genes of MSCs from ADMSCs,AMMSCs,UCMSCs and CMMSCs							
	p_val	avg_log2FC	pct.1	pct.2	p_val_adj	cluster	gene
MTND1P23	2.71E-155	0.328127163	0.194	0.094	7.34E-151	C0	MTND1P23
PPP1R14B	8.61E-129	0.389145465	0.768	0.693	2.33E-124	C0	PPP1R14B
AL450405.1	4.10E-124	0.567739907	0.271	0.166	1.11E-119	C0	AL450405.1
NOP16	2.96E-119	0.255375355	0.747	0.637	8.02E-115	C0	NOP16
ALYREF	2.35E-110	0.28195521	0.522	0.395	6.35E-106	C0	ALYREF
SRM	1.40E-106	0.350864701	0.752	0.686	3.79E-102	C0	SRM
MARCKS	1.14E-101	0.252032836	0.9	0.864	3.10E-97	C0	MARCKS
CTGF	5.99E-100	0.507268384	0.703	0.639	1.62E-95	C0	CTGF
ADM	8.23E-98	0.323894551	0.63	0.517	2.23E-93	C0	ADM
CD81	2.36E-70	0.285013426	0.723	0.671	6.38E-66	C0	CD81
POSTN	2.65E-67	0.334444158	0.498	0.406	7.17E-63	C0	POSTN
CCNB1	0	1.108365112	0.921	0.638	0	C1	CCNB1
CDC20	0	1.078607091	0.87	0.494	0	C1	CDC20
CENPF	0	1.045698702	0.74	0.318	0	C1	CENPF
HMGB2	0	0.949423772	0.89	0.663	0	C1	HMGB2
NUF2	0	0.946983705	0.597	0.189	0	C1	NUF2
MKI67	0	0.861497853	0.749	0.372	0	C1	MKI67
TPX2	0	0.797918986	0.742	0.374	0	C1	TPX2
CCNB2	0	0.797645729	0.746	0.379	0	C1	CCNB2
CKS2	0	0.797393216	0.792	0.585	0	C1	CKS2
UBE2S	0	0.770669832	0.914	0.705	0	C1	UBE2S
SMC4	0	0.738242739	0.853	0.578	0	C1	SMC4
CKAP2	0	0.721975969	0.623	0.325	0	C1	CKAP2
KPNA2	0	0.70255869	0.943	0.808	0	C1	KPNA2
NUSAP1	0	0.701233584	0.749	0.409	0	C1	NUSAP1
PTTG1	0	0.697102145	0.984	0.889	0	C1	PTTG1
PLK1	0	0.668582588	0.59	0.25	0	C1	PLK1
HMMR	0	0.661530479	0.532	0.199	0	C1	HMMR
CDKN3	0	0.63822287	0.903	0.676	0	C1	CDKN3
ARL6IP1	0	0.637697848	0.667	0.428	0	C1	ARL6IP1
KIF20B	0	0.631694181	0.546	0.245	0	C1	KIF20B
CEP55	0	0.627733968	0.593	0.274	0	C1	CEP55
DLGAP5	0	0.623664624	0.567	0.234	0	C1	DLGAP5
BIRC5	0	0.61632721	0.853	0.604	0	C1	BIRC5
AURKA	0	0.615257861	0.562	0.284	0	C1	AURKA
CENPE	0	0.614823272	0.46	0.172	0	C1	CENPE
CCNA2	0	0.605418312	0.594	0.281	0	C1	CCNA2
PBK	0	0.603427948	0.64	0.323	0	C1	PBK
TUBB4B	0	0.58449767	0.994	0.956	0	C1	TUBB4B
CDCA3	0	0.582288748	0.602	0.29	0	C1	CDCA3
TMPO	0	0.56746829	0.745	0.516	0	C1	TMPO

TUBA1C	0	0.556925998	0.999	0.992	0	C1	TUBA1C
TTK	0	0.54241769	0.366	0.154	0	C1	TTK
CKS1B	0	0.542083003	0.75	0.496	0	C1	CKS1B
SNHG3	0	0.529514644	0.694	0.529	0	C1	SNHG3
STMN1	0	0.528930453	0.995	0.962	0	C1	STMN1
DEPDC1	0	0.52385229	0.462	0.189	0	C1	DEPDC1
ANLN	0	0.52212049	0.55	0.269	0	C1	ANLN
KNSTRN	0	0.501189924	0.493	0.245	0	C1	KNSTRN
BUB1B	0	0.497694318	0.386	0.145	0	C1	BUB1B
MAD2L1	0	0.490650407	0.645	0.391	0	C1	MAD2L1
RAD21	0	0.486161944	0.834	0.699	0	C1	RAD21
BUB1	0	0.467559203	0.432	0.175	0	C1	BUB1
RACGAP1	0	0.453760377	0.445	0.233	0	C1	RACGAP1
HMGB3	0	0.452951495	0.862	0.709	0	C1	HMGB3
ASPM	0	0.452115182	0.424	0.189	0	C1	ASPM
RRM2	0	0.446396953	0.751	0.526	0	C1	RRM2
HSPA8	0	0.445047514	0.991	0.967	0	C1	HSPA8
SGO2	0	0.437464757	0.418	0.198	0	C1	SGO2
NDC80	0	0.435084669	0.424	0.197	0	C1	NDC80
SPC25	0	0.428971395	0.454	0.21	0	C1	SPC25
SPDL1	0	0.427859568	0.699	0.54	0	C1	SPDL1
KIF5B	0	0.424952216	0.918	0.846	0	C1	KIF5B
PRR11	0	0.417553037	0.454	0.22	0	C1	PRR11
TOP2A	0	0.413993862	0.63	0.381	0	C1	TOP2A
RBMX	0	0.408016849	0.921	0.843	0	C1	RBMX
SHCBP1	0	0.39038977	0.45	0.239	0	C1	SHCBP1
HSP90AA1	0	0.387739959	0.998	0.991	0	C1	HSP90AA1
JPT1	0	0.383760178	0.998	0.989	0	C1	JPT1
CENPA	0	0.379904876	0.431	0.233	0	C1	CENPA
PIMREG	0	0.376637061	0.365	0.147	0	C1	PIMREG
CKAP2L	0	0.375911135	0.373	0.19	0	C1	CKAP2L
DEK	0	0.375251211	0.942	0.825	0	C1	DEK
ANP32E	0	0.37400558	0.778	0.623	0	C1	ANP32E
KIF11	0	0.372613777	0.416	0.2	0	C1	KIF11
KIF20A	0	0.371452932	0.392	0.179	0	C1	KIF20A
CDCA8	0	0.36840635	0.413	0.215	0	C1	CDCA8
KIF4A	0	0.366905929	0.342	0.134	0	C1	KIF4A
NUCKS1	0	0.363547636	0.999	0.992	0	C1	NUCKS1
H2AFZ	0	0.361545691	1	0.996	0	C1	H2AFZ
EIF5	0	0.359039063	0.942	0.88	0	C1	EIF5
EXOSC8	0	0.358786377	0.849	0.703	0	C1	EXOSC8
KIF23	0	0.354564644	0.395	0.207	0	C1	KIF23
ECT2	0	0.350284132	0.402	0.207	0	C1	ECT2

PHF19	0	0.349042955	0.644	0.463	0	C1	PHF19
EZR	0	0.348670676	0.728	0.589	0	C1	EZR
AURKB	0	0.343250707	0.391	0.201	0	C1	AURKB
LBR	0	0.33712722	0.515	0.343	0	C1	LBR
GTSE1	0	0.335700728	0.376	0.183	0	C1	GTSE1
UBE2T	0	0.332626635	0.608	0.444	0	C1	UBE2T
TACC3	0	0.331954381	0.362	0.163	0	C1	TACC3
NCAPG	0	0.328692497	0.424	0.225	0	C1	NCAPG
MZT1	0	0.328379031	0.489	0.31	0	C1	MZT1
RBM8A	0	0.327450858	0.99	0.967	0	C1	RBM8A
SPAG5	0	0.326533371	0.355	0.157	0	C1	SPAG5
CENPW	0	0.324558237	0.865	0.73	0	C1	CENPW
DTYMK	0	0.321629021	0.893	0.773	0	C1	DTYMK
SFPQ	0	0.321431221	0.851	0.772	0	C1	SFPQ
NEK2	0	0.302715294	0.262	0.088	0	C1	NEK2
H3F3B	0	0.302229343	1	1	0	C1	H3F3B
KIF22	0	0.301856431	0.477	0.302	0	C1	KIF22
DNAJA1	0	0.297564798	0.942	0.89	0	C1	DNAJA1
CENPK	0	0.296937065	0.511	0.342	0	C1	CENPK
HNRNPH3	0	0.29614578	0.865	0.787	0	C1	HNRNPH3
AL118516.1	0	0.293934903	0.271	0.118	0	C1	AL118516.1
PTGES3	0	0.288620679	0.969	0.923	0	C1	PTGES3
DDX21	0	0.281770169	0.767	0.66	0	C1	DDX21
HNRNPR	0	0.277561457	0.929	0.865	0	C1	HNRNPR
CACYBP	0	0.274863915	0.936	0.86	0	C1	CACYBP
BUB3	0	0.274731194	0.866	0.783	0	C1	BUB3
SMC2	0	0.274601052	0.519	0.375	0	C1	SMC2
RAN	0	0.274166401	0.999	0.996	0	C1	RAN
RHEB	0	0.273534868	0.858	0.771	0	C1	RHEB
CCDC34	0	0.270950596	0.601	0.467	0	C1	CCDC34
TRIP13	0	0.269861336	0.462	0.298	0	C1	TRIP13
DIAPH3	0	0.268945938	0.374	0.216	0	C1	DIAPH3
LRRFIP1	0	0.26850009	0.765	0.675	0	C1	LRRFIP1
MCM7	0	0.267818223	0.676	0.507	0	C1	MCM7
SNRPD1	0	0.267713562	0.986	0.957	0	C1	SNRPD1
ANP32B	0	0.266223087	0.965	0.91	0	C1	ANP32B
KNL1	0	0.266156299	0.279	0.123	0	C1	KNL1
DYNLL1	0	0.265301537	1	1	0	C1	DYNLL1
NOP58	0	0.264097218	0.883	0.81	0	C1	NOP58
CKAP5	0	0.264096499	0.407	0.269	0	C1	CKAP5
HNRNPU	0	0.263397793	0.912	0.862	0	C1	HNRNPU
CCT5	0	0.259617207	0.976	0.935	0	C1	CCT5
BCL2L12	0	0.259526427	0.442	0.297	0	C1	BCL2L12

HSPD1	0	0.258550522	0.989	0.962	0	C1	HSPD1
NCL	0	0.256994879	0.997	0.989	0	C1	NCL
TYMS	0	0.253821631	0.79	0.637	0	C1	TYMS
LSM5	0	0.25373644	0.872	0.788	0	C1	LSM5
KPNB1	2.77E-272	0.259204341	0.919	0.863	7.51E-268	C1	KPNB1
UBE2C	3.89E-234	0.404084831	0.616	0.49	1.05E-229	C1	UBE2C
TRBC2	4.15E-181	0.263415672	0.54	0.448	1.12E-176	C1	TRBC2
CTGF1	0	1.368196578	0.817	0.62	0	C2	CTGF
AL450405.1	0	1.199018657	0.376	0.146	0	C2	AL450405.1
HIST1H4C	0	1.071213134	0.895	0.825	0	C2	HIST1H4C
POSTN1	0	0.995019096	0.671	0.377	0	C2	POSTN
UBE2C1	0	0.87581632	0.937	0.477	0	C2	UBE2C
TGFBI	0	0.746249016	0.989	0.974	0	C2	TGFBI
PPP1R14B1	0	0.699161809	0.835	0.68	0	C2	PPP1R14B
SRM1	0	0.688962523	0.83	0.672	0	C2	SRM
MTND1P23	0	0.685819821	0.301	0.074	0	C2	MTND1P23
FBLN5	0	0.664561014	0.642	0.39	0	C2	FBLN5
CYTOR	0	0.648857786	0.86	0.704	0	C2	CYTOR
GREM1	0	0.630844382	0.511	0.228	0	C2	GREM1
KIF2C	0	0.604290237	0.534	0.291	0	C2	KIF2C
OAF	0	0.581113677	0.56	0.288	0	C2	OAF
PGP	0	0.580079251	0.602	0.352	0	C2	PGP
STEAP1	0	0.561738918	0.498	0.203	0	C2	STEAP1
CDK1	0	0.56097951	0.583	0.282	0	C2	CDK1
SDF2L1	0	0.559982265	0.896	0.789	0	C2	SDF2L1
FOS	0	0.537587257	0.786	0.649	0	C2	FOS
CD81	0	0.533896236	0.8	0.657	0	C2	CD81
SPHK1	0	0.529192616	0.634	0.382	0	C2	SPHK1
LOXL1	0	0.523364461	0.517	0.233	0	C2	LOXL1
TIMP3	0	0.515349525	0.751	0.586	0	C2	TIMP3
ALYREF1	0	0.514327661	0.615	0.376	0	C2	ALYREF
EMP1	0	0.509301136	0.698	0.503	0	C2	EMP1
TNFRSF12A	0	0.507641216	0.97	0.945	0	C2	TNFRSF12A
MGST1	0	0.505257096	0.958	0.902	0	C2	MGST1
PCBP1	0	0.496054347	0.928	0.867	0	C2	PCBP1
NENF	0	0.495786515	0.592	0.345	0	C2	NENF
MFAP5	0	0.48373275	0.339	0.115	0	C2	MFAP5
DUSP1	0	0.479057468	0.415	0.194	0	C2	DUSP1
HTRA1	0	0.478946254	0.443	0.184	0	C2	HTRA1
SMYD3	0	0.478638446	0.584	0.376	0	C2	SMYD3
TOMM40	0	0.470547466	0.598	0.38	0	C2	TOMM40
MTHFD1	0	0.469611204	0.638	0.439	0	C2	MTHFD1
COL6A2	0	0.461999115	0.929	0.856	0	C2	COL6A2

SMIM37	0	0.458038449	0.761	0.616	0	C2	SMIM37
PTGES2	0	0.452826084	0.656	0.464	0	C2	PTGES2
EMP3	0	0.450296196	1	1	0	C2	EMP3
GINS2	0	0.448834459	0.627	0.44	0	C2	GINS2
CHCHD10	0	0.444066737	0.438	0.212	0	C2	CHCHD10
BANF1	0	0.435886804	0.994	0.988	0	C2	BANF1
SRSF9	0	0.434366327	0.848	0.723	0	C2	SRSF9
CEBPB	0	0.431822462	0.521	0.298	0	C2	CEBPB
BRI3	0	0.429480025	0.743	0.526	0	C2	BRI3
HES1	0	0.424213627	0.24	0.069	0	C2	HES1
PTMS	0	0.421982774	0.826	0.69	0	C2	PTMS
RGCC	0	0.416006158	0.268	0.081	0	C2	RGCC
ATP5MC1	0	0.415751305	0.983	0.958	0	C2	ATP5MC1
COL6A1	0	0.408636897	0.914	0.827	0	C2	COL6A1
NOP16	0	0.40829144	0.768	0.629	0	C2	NOP16
COTL1	0	0.404904665	0.808	0.652	0	C2	COTL1
RAC1	0	0.398354518	0.854	0.73	0	C2	RAC1
ATP5F1D	0	0.397700963	0.9	0.806	0	C2	ATP5F1D
FLNA	0	0.397413432	0.926	0.862	0	C2	FLNA
CDC6	0	0.396875637	0.421	0.209	0	C2	CDC6
SIGMAR1	0	0.396751667	0.918	0.859	0	C2	SIGMAR1
TFDP1	0	0.394548404	0.627	0.442	0	C2	TFDP1
LGMN	0	0.390342389	0.403	0.17	0	C2	LGMN
CTSK	0	0.389416803	0.531	0.311	0	C2	CTSK
GLRX5	0	0.389412916	0.583	0.369	0	C2	GLRX5
UBE2M	0	0.389279309	0.558	0.344	0	C2	UBE2M
BCL7C	0	0.37982737	0.728	0.568	0	C2	BCL7C
YBX3	0	0.37503039	0.689	0.516	0	C2	YBX3
TMEM119	0	0.371497926	0.552	0.336	0	C2	TMEM119
PDLIM2	0	0.370111472	0.926	0.852	0	C2	PDLIM2
DNM3OS	0	0.37001517	0.496	0.29	0	C2	DNM3OS
TWIST2	0	0.361022838	0.408	0.199	0	C2	TWIST2
LINC01116	0	0.354620375	0.448	0.235	0	C2	LINC01116
CENPX	0	0.351991825	0.922	0.863	0	C2	CENPX
CCL11	0	0.346573858	0.179	0.057	0	C2	CCL11
MARCKS1	0	0.340633119	0.921	0.86	0	C2	MARCKS
ASL	0	0.33753423	0.431	0.235	0	C2	ASL
DPT	0	0.335830856	0.271	0.078	0	C2	DPT
ENPP2	0	0.335768865	0.362	0.149	0	C2	ENPP2
HSPE1	0	0.330299462	0.989	0.981	0	C2	HSPE1
PLEKHO1	0	0.328217097	0.483	0.296	0	C2	PLEKHO1
RPL5	0	0.327124796	1	1	0	C2	RPL5
CENPV	0	0.325551823	0.43	0.239	0	C2	CENPV

PSMC3IP	0	0.325338788	0.389	0.2	0	C2	PSMC3IP
INAFM1	0	0.32131988	0.404	0.212	0	C2	INAFM1
HIST1H1A	0	0.317814766	0.229	0.093	0	C2	HIST1H1A
SUB1	0	0.317765961	1	0.998	0	C2	SUB1
RANBP1	0	0.316586352	0.99	0.983	0	C2	RANBP1
RPL26	0	0.3130199	0.978	0.957	0	C2	RPL26
POPDC3	0	0.31112404	0.358	0.148	0	C2	POPDC3
C11orf96	0	0.299731149	0.194	0.048	0	C2	C11orf96
SLC25A5	0	0.298740874	0.997	0.996	0	C2	SLC25A5
ATP5MF	0	0.297749258	0.998	0.997	0	C2	ATP5MF
SEC61G	0	0.297404874	0.999	0.996	0	C2	SEC61G
BRK1	0	0.295352117	0.976	0.946	0	C2	BRK1
NDUFB2	0	0.289981101	0.998	0.995	0	C2	NDUFB2
NGF	0	0.286574955	0.266	0.093	0	C2	NGF
EVA1A	0	0.284973217	0.439	0.253	0	C2	EVA1A
GFRA1	0	0.27853231	0.238	0.07	0	C2	GFRA1
NHP2	0	0.277900654	0.988	0.975	0	C2	NHP2
METRNL	0	0.277152492	0.357	0.184	0	C2	METRNL
STXBP6	0	0.271406664	0.321	0.143	0	C2	STXBP6
PKMYT1	0	0.271206261	0.343	0.173	0	C2	PKMYT1
RPL35	0	0.266349625	1	1	0	C2	RPL35
UQCR10	0	0.264031063	0.999	0.999	0	C2	UQCR10
CLEC2B	0	0.263871487	0.263	0.1	0	C2	CLEC2B
RPS28	0	0.263418921	0.999	0.998	0	C2	RPS28
TNC	0	0.262210567	0.287	0.109	0	C2	TNC
ELOB	0	0.26109792	0.999	0.997	0	C2	ELOB
HIC1	0	0.259359556	0.339	0.161	0	C2	HIC1
NME1	0	0.259259126	0.997	0.996	0	C2	NME1
RPL34	0	0.258973265	1	1	0	C2	RPL34
FOXD1	0	0.255492604	0.264	0.105	0	C2	FOXD1
AC109588.1	0	0.250412093	0.172	0.038	0	C2	AC109588.1
CRNDE	8.69E-308	0.305876592	0.458	0.282	2.35E-303	C2	CRNDE
GLIPR2	2.67E-306	0.328342867	0.616	0.437	7.23E-302	C2	GLIPR2
MANF	4.03E-306	0.339653079	0.889	0.805	1.09E-301	C2	MANF
PFKL	4.81E-305	0.348635956	0.609	0.44	1.30E-300	C2	PFKL
CYC1	2.45E-304	0.305047358	0.961	0.935	6.64E-300	C2	CYC1
S100A13	2.00E-302	0.300425951	0.956	0.882	5.42E-298	C2	S100A13
C19orf48	8.02E-302	0.324019909	0.504	0.328	2.17E-297	C2	C19orf48
SLIRP	7.11E-301	0.303295648	0.973	0.947	1.92E-296	C2	SLIRP
ANGPTL4	1.23E-300	0.302233319	0.327	0.173	3.34E-296	C2	ANGPTL4
CYR61	7.10E-298	0.426924919	0.959	0.926	1.92E-293	C2	CYR61
CYCS	2.70E-297	0.310204931	0.972	0.962	7.32E-293	C2	CYCS
LRP1	5.32E-296	0.337623343	0.593	0.413	1.44E-291	C2	LRP1

ADM1	9.26E-296	0.423638783	0.678	0.505	2.51E-291	C2	ADM
H2AFZ1	1.36E-292	0.264579162	0.998	0.997	3.68E-288	C2	H2AFZ
TPM1	1.77E-290	0.333606959	0.993	0.984	4.78E-286	C2	TPM1
ETFB	7.63E-288	0.310156314	0.846	0.727	2.07E-283	C2	ETFB
MXRA7	1.65E-285	0.299672083	0.517	0.34	4.46E-281	C2	MXRA7
RALA	4.55E-284	0.356777981	0.861	0.764	1.23E-279	C2	RALA
SNU13	2.54E-279	0.273930198	0.989	0.977	6.88E-275	C2	SNU13
YBX1	2.85E-279	0.282714187	0.988	0.974	7.73E-275	C2	YBX1
COX7A1	9.21E-278	0.266916323	0.359	0.201	2.49E-273	C2	COX7A1
HEBP2	1.03E-276	0.321080395	0.716	0.558	2.79E-272	C2	HEBP2
MRPL17	2.83E-273	0.293816239	0.918	0.848	7.66E-269	C2	MRPL17
PCNA	1.28E-272	0.339843343	0.778	0.654	3.48E-268	C2	PCNA
LSM7	7.06E-272	0.279364236	0.953	0.906	1.91E-267	C2	LSM7
FZD2	2.59E-270	0.254052467	0.375	0.217	7.01E-266	C2	FZD2
GNB2	1.27E-269	0.310454318	0.86	0.759	3.45E-265	C2	GNB2
EGR1	1.51E-263	0.371509037	0.578	0.416	4.08E-259	C2	EGR1
PGRMC1	4.48E-259	0.305736979	0.701	0.555	1.21E-254	C2	PGRMC1
TSR3	2.07E-257	0.28567741	0.531	0.356	5.60E-253	C2	TSR3
DRAP1	3.73E-257	0.268655789	0.967	0.941	1.01E-252	C2	DRAP1
FEN1	2.88E-256	0.26757513	0.417	0.258	7.79E-252	C2	FEN1
KRT10	2.34E-255	0.300511108	0.944	0.907	6.34E-251	C2	KRT10
SLC25A1	1.50E-250	0.29088228	0.611	0.443	4.05E-246	C2	SLC25A1
GMNN	3.45E-246	0.336626159	0.638	0.487	9.35E-242	C2	GMNN
SLC38A5	9.20E-246	0.253348014	0.36	0.211	2.49E-241	C2	SLC38A5
SELENOK	4.00E-245	0.290151439	0.867	0.779	1.08E-240	C2	SELENOK
ELAVL1	1.62E-242	0.284289201	0.549	0.381	4.38E-238	C2	ELAVL1
GGCT	3.19E-242	0.291159909	0.647	0.496	8.64E-238	C2	GGCT
OLFML3	4.16E-241	0.2636134	0.94	0.865	1.13E-236	C2	OLFML3
SSR1	2.06E-240	0.266102492	0.955	0.918	5.58E-236	C2	SSR1
TIMM8B	2.51E-234	0.27238951	0.934	0.886	6.80E-230	C2	TIMM8B
YIF1A	1.62E-233	0.250538093	0.949	0.888	4.40E-229	C2	YIF1A
UBE2T1	4.31E-233	0.313693035	0.635	0.483	1.17E-228	C2	UBE2T
PSMG1	1.74E-230	0.283580649	0.602	0.449	4.72E-226	C2	PSMG1
TECR	4.26E-228	0.285298419	0.731	0.605	1.15E-223	C2	TECR
RRP7A	4.46E-228	0.315068154	0.647	0.511	1.21E-223	C2	RRP7A
EBPL	6.64E-228	0.275695844	0.532	0.369	1.80E-223	C2	EBPL
ID1	8.99E-228	0.448823243	0.53	0.383	2.43E-223	C2	ID1
INSIG1	5.35E-225	0.320988553	0.65	0.498	1.45E-220	C2	INSIG1
NT5DC2	9.38E-225	0.290238926	0.835	0.72	2.54E-220	C2	NT5DC2
BASP1	4.42E-224	0.271258198	0.878	0.781	1.20E-219	C2	BASP1
C1orf122	3.75E-223	0.26720021	0.873	0.781	1.02E-218	C2	C1orf122
NREP	5.42E-221	0.277266061	0.863	0.76	1.47E-216	C2	NREP
DNPH1	9.35E-221	0.287242518	0.777	0.66	2.53E-216	C2	DNPH1

CMC2	8.06E-219	0.295750907	0.784	0.678	2.18E-214	C2	CMC2
ATXN2L	1.10E-216	0.301123036	0.62	0.482	2.99E-212	C2	ATXN2L
CITED2	3.29E-215	0.287573033	0.577	0.412	8.91E-211	C2	CITED2
EMP2	1.25E-208	0.255430881	0.509	0.357	3.38E-204	C2	EMP2
IMP4	1.56E-208	0.268338621	0.788	0.677	4.21E-204	C2	IMP4
HOXB2	5.83E-206	0.257608945	0.505	0.358	1.58E-201	C2	HOXB2
H2AFX	1.43E-205	0.265966394	0.475	0.327	3.87E-201	C2	H2AFX
C3orf14	1.35E-199	0.259734808	0.568	0.42	3.67E-195	C2	C3orf14
SNHG9	1.53E-198	0.250721723	0.506	0.361	4.15E-194	C2	SNHG9
TEX30	7.31E-198	0.255530148	0.501	0.359	1.98E-193	C2	TEX30
DERL2	1.39E-197	0.251045941	0.813	0.707	3.76E-193	C2	DERL2
IER2	2.07E-196	0.317225046	0.709	0.59	5.60E-192	C2	IER2
C12orf75	3.31E-196	0.278875661	0.951	0.922	8.95E-192	C2	C12orf75
H1FX	4.24E-195	0.270792756	0.484	0.33	1.15E-190	C2	H1FX
HERPUD1	6.28E-193	0.261303071	0.834	0.724	1.70E-188	C2	HERPUD1
NUDC	2.29E-192	0.259608071	0.927	0.889	6.21E-188	C2	NUDC
DPM2	4.21E-184	0.261728369	0.672	0.545	1.14E-179	C2	DPM2
JUNB	1.44E-162	0.269221577	0.668	0.546	3.91E-158	C2	JUNB
GADD45B	8.57E-160	0.292309233	0.523	0.398	2.32E-155	C2	GADD45B
SERPINE1	2.98E-154	0.352239678	0.899	0.841	8.06E-150	C2	SERPINE1
LMO4	1.22E-150	0.252775112	0.701	0.586	3.30E-146	C2	LMO4
MIR503HG	1.61E-147	0.300911723	0.773	0.689	4.37E-143	C2	MIR503HG
RPL10P9	1.51E-141	0.310752604	0.138	0.067	4.09E-137	C2	RPL10P9
NFKBIA	2.86E-122	0.254036548	0.523	0.413	7.75E-118	C2	NFKBIA
CCL2	2.57E-63	0.284404504	0.608	0.527	6.95E-59	C2	CCL2
LUM	0	0.714494139	0.979	0.947	0	C3	LUM
RBP1	0	0.710482613	0.494	0.253	0	C3	RBP1
MALAT1	0	0.687883663	0.999	0.996	0	C3	MALAT1
ACTA2	0	0.685210582	0.868	0.742	0	C3	ACTA2
COL5A1	0	0.656901146	0.912	0.823	0	C3	COL5A1
DCN	0	0.656718076	0.989	0.967	0	C3	DCN
WFDC21P	0	0.634722583	0.456	0.26	0	C3	WFDC21P
IFITM2	0	0.58792501	0.993	0.975	0	C3	IFITM2
SPON2	0	0.564742187	0.96	0.857	0	C3	SPON2
COL1A2	0	0.529198299	1	0.999	0	C3	COL1A2
CTHRC1	0	0.522385337	0.994	0.982	0	C3	CTHRC1
SPARC	0	0.511754967	1	1	0	C3	SPARC
IFITM3	0	0.50993173	1	1	0	C3	IFITM3
SELENOM	0	0.488914323	0.991	0.971	0	C3	SELENOM
QPRT	0	0.485013653	0.566	0.378	0	C3	QPRT
MEG3	0	0.47141358	0.766	0.622	0	C3	MEG3
MAGED2	0	0.467175228	0.857	0.735	0	C3	MAGED2
LXN	0	0.466040839	0.618	0.457	0	C3	LXN

DKK2	0	0.460316493	0.327	0.164	0	C3	DKK2
UCHL1	0	0.455882874	0.98	0.938	0	C3	UCHL1
COL3A1	0	0.445436574	0.999	0.998	0	C3	COL3A1
SERPINE2	0	0.445409989	0.706	0.586	0	C3	SERPINE2
MDK	0	0.444645882	0.737	0.598	0	C3	MDK
PLD3	0	0.439173819	0.712	0.568	0	C3	PLD3
PRDX5	0	0.42370986	0.987	0.961	0	C3	PRDX5
LMCD1	0	0.42251178	0.633	0.501	0	C3	LMCD1
HSPB6	0	0.420016674	0.902	0.824	0	C3	HSPB6
LRRC17	0	0.41598589	0.67	0.522	0	C3	LRRC17
FTL	0	0.415386301	1	1	0	C3	FTL
NUPR1	0	0.410560766	0.554	0.428	0	C3	NUPR1
TTC3	0	0.404830318	0.824	0.726	0	C3	TTC3
KRT19	0	0.4022665	0.577	0.439	0	C3	KRT19
YIPF5	0	0.400861177	0.836	0.759	0	C3	YIPF5
PRAF2	0	0.399298643	0.817	0.712	0	C3	PRAF2
C12orf57	0	0.397238108	0.924	0.866	0	C3	C12orf57
P4HA2	0	0.396806746	0.739	0.63	0	C3	P4HA2
KRT8	0	0.381852581	0.846	0.718	0	C3	KRT8
TAGLN	0	0.381761138	0.99	0.974	0	C3	TAGLN
IFI27L2	0	0.372538368	0.799	0.694	0	C3	IFI27L2
HCFC1R1	0	0.372107781	0.77	0.658	0	C3	HCFC1R1
OST4	0	0.370812823	1	1	0	C3	OST4
MYL9	0	0.370008645	0.989	0.966	0	C3	MYL9
ITM2C	0	0.369438	0.587	0.426	0	C3	ITM2C
COL6A3	0	0.368196071	0.854	0.779	0	C3	COL6A3
CYBA	0	0.355954481	0.825	0.74	0	C3	CYBA
SEC13	0	0.353119358	0.991	0.978	0	C3	SEC13
PCOLCE	0	0.350294434	0.977	0.95	0	C3	PCOLCE
NDUFA12	0	0.345035486	0.994	0.988	0	C3	NDUFA12
GOLGB1	0	0.344688092	0.609	0.479	0	C3	GOLGB1
SERF2	0	0.340265446	1	1	0	C3	SERF2
DECR1	0	0.338037634	0.702	0.585	0	C3	DECR1
DSTN	0	0.33636293	0.998	0.994	0	C3	DSTN
SAT1	0	0.331426728	0.501	0.376	0	C3	SAT1
TIMP1	0	0.330713826	1	1	0	C3	TIMP1
RTL8C	0	0.330512972	0.968	0.93	0	C3	RTL8C
MAGED1	0	0.326087292	0.956	0.91	0	C3	MAGED1
NUCB2	0	0.32442347	0.977	0.957	0	C3	NUCB2
ITM2B	0	0.322033047	0.897	0.836	0	C3	ITM2B
FTH1	0	0.320483475	1	1	0	C3	FTH1
NID2	0	0.318048564	0.52	0.386	0	C3	NID2
RPS27L	0	0.316542803	1	1	0	C3	RPS27L

COL1A1	0	0.315965444	1	1	0	C3	COL1A1
NNMT	0	0.314239757	0.999	0.998	0	C3	NNMT
FKBP7	0	0.312333145	0.666	0.559	0	C3	FKBP7
HERPUD1	0	0.310762665	0.805	0.712	0	C3	HERPUD1
SH3BGRL	0	0.305892646	0.577	0.437	0	C3	SH3BGRL
TUBA1A	0	0.304858117	0.997	0.984	0	C3	TUBA1A
TCEAL9	0	0.298595503	0.937	0.893	0	C3	TCEAL9
OLFML3	0	0.297553682	0.921	0.857	0	C3	OLFML3
FKBP10	0	0.294281067	0.816	0.738	0	C3	FKBP10
PPP1R3C	0	0.292325764	0.38	0.238	0	C3	PPP1R3C
GLRX	0	0.291079912	0.954	0.883	0	C3	GLRX
TMEM219	0	0.284716595	0.792	0.703	0	C3	TMEM219
ERGIC3	0	0.278389848	0.845	0.773	0	C3	ERGIC3
KDELR3	0	0.277898965	0.913	0.852	0	C3	KDELR3
NDUFA4	0	0.275826	1	0.999	0	C3	NDUFA4
KDELR2	0	0.267872158	0.997	0.994	0	C3	KDELR2
SSR4	0	0.264141824	0.986	0.974	0	C3	SSR4
ATP5F1E	0	0.26024535	1	0.999	0	C3	ATP5F1E
SEC31A	0	0.259062507	0.956	0.921	0	C3	SEC31A
TGM2	0	0.253862381	0.25	0.136	0	C3	TGM2
S100A6	0	0.251411617	1	1	0	C3	S100A6
CD63	0	0.250609425	1	1	0	C3	CD63
S100A13	1.69E-301	0.254804989	0.93	0.877	4.57E-297	C3	S100A13
CRABP2	3.48E-301	0.383160301	0.583	0.463	9.42E-297	C3	CRABP2
S100A4	3.27E-300	0.45556478	0.946	0.913	8.84E-296	C3	S100A4
RCN3	1.07E-299	0.250022242	0.924	0.88	2.89E-295	C3	RCN3
FAM229B	8.01E-295	0.303301726	0.519	0.398	2.17E-290	C3	FAM229B
MLLT11	9.38E-295	0.261220787	0.443	0.315	2.54E-290	C3	MLLT11
ERLEC1	2.34E-292	0.269906062	0.802	0.734	6.35E-288	C3	ERLEC1
LSP1	1.57E-289	0.251456228	0.321	0.202	4.24E-285	C3	LSP1
YIPF3	7.81E-289	0.281187626	0.674	0.579	2.11E-284	C3	YIPF3
EFEMP1	2.18E-284	0.532244402	0.492	0.396	5.89E-280	C3	EFEMP1
IFT20	1.49E-283	0.296652007	0.643	0.542	4.03E-279	C3	IFT20
CCNI	3.40E-281	0.250377783	0.838	0.773	9.20E-277	C3	CCNI
VCAN	1.07E-280	0.382099607	0.812	0.751	2.90E-276	C3	VCAN
HAPLN1	3.40E-279	0.451242838	0.251	0.148	9.20E-275	C3	HAPLN1
LMAN1	3.30E-278	0.251988574	0.965	0.951	8.93E-274	C3	LMAN1
COPZ2	2.53E-277	0.303067373	0.599	0.494	6.85E-273	C3	COPZ2
RPS4Y1	5.04E-276	0.378621128	0.365	0.239	1.37E-271	C3	RPS4Y1
CLU	7.33E-276	0.366175886	0.544	0.432	1.98E-271	C3	CLU
IGFBP6	2.04E-265	0.291328791	0.745	0.663	5.51E-261	C3	IGFBP6
CDKN1A	7.71E-263	0.327415161	0.599	0.477	2.09E-258	C3	CDKN1A
WSB1	2.70E-261	0.28022862	0.595	0.487	7.31E-257	C3	WSB1

IER3	4.87E-261	0.315867334	0.769	0.69	1.32E-256	C3	IER3
SERPINF1	5.67E-260	0.285586413	0.454	0.341	1.54E-255	C3	SERPINF1
THBS2	8.19E-258	0.281141574	0.511	0.399	2.22E-253	C3	THBS2
FHL2	9.71E-258	0.286129964	0.799	0.721	2.63E-253	C3	FHL2
MFAP4	8.31E-253	0.34933906	0.409	0.298	2.25E-248	C3	MFAP4
FIBIN	1.49E-251	0.265499986	0.52	0.4	4.04E-247	C3	FIBIN
MSRB2	8.21E-243	0.256271585	0.55	0.441	2.22E-238	C3	MSRB2
IGFBP7	5.95E-239	0.303239399	0.886	0.813	1.61E-234	C3	IGFBP7
CXCL1	8.00E-237	0.443669301	0.184	0.099	2.17E-232	C3	CXCL1
PPIC	7.55E-226	0.257477671	0.625	0.533	2.04E-221	C3	PPIC
PLAGL1	1.03E-221	0.266491992	0.329	0.228	2.79E-217	C3	PLAGL1
ANTXR1	1.00E-220	0.280085806	0.374	0.275	2.72E-216	C3	ANTXR1
ID3	2.27E-212	0.374328833	0.843	0.779	6.14E-208	C3	ID3
RGS2	4.39E-209	0.272075224	0.298	0.201	1.19E-204	C3	RGS2
CXCL6	5.59E-186	0.264610395	0.156	0.086	1.51E-181	C3	CXCL6
TFPI2	2.38E-179	0.384610256	0.601	0.518	6.45E-175	C3	TFPI2
PLK2	3.57E-162	0.259931278	0.349	0.259	9.65E-158	C3	PLK2
IGFBP5	6.09E-144	0.332240235	0.254	0.177	1.65E-139	C3	IGFBP5
MME	0	0.499141154	0.961	0.88	0	C4	MME
FGF7	1.37E-293	0.516287157	0.862	0.74	3.71E-289	C4	FGF7
PTX3	9.68E-233	0.518462248	0.907	0.803	2.62E-228	C4	PTX3
DCN1	2.05E-230	0.338191598	0.988	0.971	5.54E-226	C4	DCN
KRT18	1.84E-213	0.357170861	0.948	0.849	4.99E-209	C4	KRT18
MALAT1	3.26E-198	0.27228007	0.999	0.996	8.82E-194	C4	MALAT1
TXNRD1	6.43E-195	0.402970618	0.769	0.657	1.74E-190	C4	TXNRD1
GLRX	6.33E-188	0.320745883	0.966	0.895	1.71E-183	C4	GLRX
MEST	8.05E-188	0.464866118	0.546	0.405	2.18E-183	C4	MEST
ARID5B	2.37E-177	0.334371011	0.698	0.57	6.41E-173	C4	ARID5B
PLOD2	4.16E-173	0.337087751	0.92	0.877	1.13E-168	C4	PLOD2
MT-ND4L	1.47E-171	0.250220536	0.983	0.96	3.99E-167	C4	MT-ND4L
EIF4G2	1.98E-170	0.258931967	0.997	0.991	5.36E-166	C4	EIF4G2
COL8A1	1.14E-168	0.423836891	0.671	0.541	3.08E-164	C4	COL8A1
SLC12A8	6.76E-159	0.314612762	0.478	0.342	1.83E-154	C4	SLC12A8
IGFBP7	7.65E-148	0.342118448	0.89	0.826	2.07E-143	C4	IGFBP7
IL6ST	8.65E-146	0.319677	0.672	0.556	2.34E-141	C4	IL6ST
FIBIN	8.24E-145	0.271621369	0.549	0.419	2.23E-140	C4	FIBIN
IL1R1	1.07E-142	0.389312862	0.415	0.299	2.90E-138	C4	IL1R1
HGF	1.33E-142	0.535089498	0.458	0.338	3.59E-138	C4	HGF
FHL2	1.49E-142	0.253926694	0.83	0.732	4.02E-138	C4	FHL2
MT-RNR1	1.30E-133	0.263793617	0.998	0.994	3.53E-129	C4	MT-RNR1
VCAN	3.54E-124	0.270551572	0.841	0.759	9.57E-120	C4	VCAN
GJA1	5.52E-119	0.310568665	0.69	0.585	1.49E-114	C4	GJA1
CEBPD	3.27E-114	0.545036583	0.577	0.496	8.85E-110	C4	CEBPD

PXDN	1.36E-110	0.264874113	0.581	0.48	3.69E-106	C4	PXDN
MATN2	1.13E-108	0.253700993	0.492	0.376	3.06E-104	C4	MATN2
ADAMTS1	1.45E-108	0.278892659	0.287	0.191	3.94E-104	C4	ADAMTS1
ADORA2B	2.04E-107	0.282451045	0.397	0.292	5.51E-103	C4	ADORA2B
COL12A1	2.21E-101	0.260357082	0.522	0.425	5.99E-97	C4	COL12A1
LUM1	5.17E-98	0.251722824	0.967	0.954	1.40E-93	C4	LUM
WNT2	8.44E-89	0.26763448	0.344	0.251	2.29E-84	C4	WNT2
ACTG2	8.79E-85	0.266932405	0.379	0.277	2.38E-80	C4	ACTG2
F3	2.60E-78	0.387827555	0.475	0.389	7.04E-74	C4	F3
KRT191	1.03E-71	0.281900941	0.563	0.467	2.78E-67	C4	KRT19
IGFBP51	7.22E-49	0.305873325	0.254	0.191	1.96E-44	C4	IGFBP5
IGFBP3	2.12E-33	0.356757843	0.272	0.221	5.73E-29	C4	IGFBP3
GCLM	1.56E-31	0.254901267	0.387	0.344	4.21E-27	C4	GCLM
TOP2A1	0	2.445344828	0.999	0.448	0	C5	TOP2A
UBE2C2	0	2.035514733	0.993	0.516	0	C5	UBE2C
MKI671	0	1.956639427	0.996	0.487	0	C5	MKI67
HGF1	0	1.62434348	0.857	0.33	0	C5	HGF
HMGB21	0	1.461016638	0.997	0.733	0	C5	HMGB2
CDCA81	0	1.456891524	0.914	0.26	0	C5	CDCA8
CDK11	0	1.408350732	0.931	0.295	0	C5	CDK1
HIST1H4C1	0	1.408015887	0.942	0.829	0	C5	HIST1H4C
AURKA1	0	1.372724354	0.919	0.361	0	C5	AURKA
CEBPD1	0	1.337983026	0.867	0.49	0	C5	CEBPD
KIF111	0	1.271027359	0.891	0.252	0	C5	KIF11
NUSAP11	0	1.267367084	0.967	0.512	0	C5	NUSAP1
KIF2C1	0	1.259376753	0.908	0.298	0	C5	KIF2C
NCAPH	0	1.253815427	0.824	0.209	0	C5	NCAPH
KPNA21	0	1.238477181	0.995	0.851	0	C5	KPNA2
FBXO5	0	1.208575942	0.821	0.239	0	C5	FBXO5
PTX31	0	1.206594883	0.984	0.807	0	C5	PTX3
F31	0	1.180073937	0.769	0.383	0	C5	F3
ASPM1	0	1.174007185	0.853	0.249	0	C5	ASPM
ANLN1	0	1.155883553	0.916	0.346	0	C5	ANLN
CCNA21	0	1.147352346	0.923	0.371	0	C5	CCNA2
H1FX1	0	1.144044365	0.804	0.331	0	C5	H1FX
TPX21	0	1.143724441	0.937	0.488	0	C5	TPX2
CENPF1	0	1.133587027	0.93	0.45	0	C5	CENPF
BUB11	0	1.129022525	0.83	0.243	0	C5	BUB1
MEST1	0	1.113254404	0.866	0.402	0	C5	MEST
EZH2	0	1.105448999	0.819	0.29	0	C5	EZH2
NCAPG1	0	1.085056163	0.852	0.273	0	C5	NCAPG
TXNRD11	0	1.081024146	0.963	0.657	0	C5	TXNRD1
NUF21	0	1.062051073	0.877	0.312	0	C5	NUF2

CKS21	0	1.054649354	0.965	0.646	0	C5	CKS2
PLK11	0	1.050025794	0.874	0.351	0	C5	PLK1
MME1	0	1.032343781	0.993	0.884	0	C5	MME
DBF4	0	1.025580552	0.862	0.355	0	C5	DBF4
H1F0	0	1.016656629	0.749	0.396	0	C5	H1F0
GSPT1	0	1.009114791	0.909	0.596	0	C5	GSPT1
CKAP21	0	0.98612284	0.885	0.413	0	C5	CKAP2
CENPA1	0	0.976626183	0.833	0.282	0	C5	CENPA
CKAP51	0	0.970101531	0.81	0.298	0	C5	CKAP5
KPNB11	0	0.969657456	0.988	0.878	0	C5	KPNB1
HJURP	0	0.965457992	0.715	0.131	0	C5	HJURP
TMEM158	0	0.949841135	0.775	0.341	0	C5	TMEM158
PLIN2	0	0.938620312	0.939	0.807	0	C5	PLIN2
IL1R11	0	0.932584484	0.736	0.295	0	C5	IL1R1
KIFC1	0	0.932372937	0.769	0.196	0	C5	KIFC1
CDC201	0	0.921961513	0.947	0.615	0	C5	CDC20
CKAP2L1	0	0.912843173	0.801	0.233	0	C5	CKAP2L
NDC801	0	0.912166818	0.811	0.256	0	C5	NDC80
UBE2S1	0	0.909539218	0.98	0.772	0	C5	UBE2S
DEPDC11	0	0.904916035	0.8	0.265	0	C5	DEPDC1
ERRFI1	0	0.902999684	0.831	0.433	0	C5	ERRFI1
GCLM1	0	0.902025783	0.71	0.333	0	C5	GCLM
CDCA31	0	0.897979388	0.843	0.383	0	C5	CDCA3
CEP551	0	0.897948976	0.86	0.368	0	C5	CEP55
GTSE11	0	0.89394079	0.779	0.23	0	C5	GTSE1
FST	0	0.89376658	0.536	0.14	0	C5	FST
FGF71	0	0.887444256	0.943	0.746	0	C5	FGF7
TMPO1	0	0.880192923	0.945	0.583	0	C5	TMPO
ADORA2B1	0	0.868424723	0.739	0.285	0	C5	ADORA2B
HIST1H1D	0	0.858104268	0.515	0.15	0	C5	HIST1H1D
IL6ST1	0	0.844483554	0.909	0.555	0	C5	IL6ST
KIF5B1	0	0.839671111	0.993	0.867	0	C5	KIF5B
KIF231	0	0.839483259	0.783	0.253	0	C5	KIF23
ARL6IP11	0	0.828086856	0.876	0.499	0	C5	ARL6IP1
ELOVL2	0	0.828037008	0.612	0.162	0	C5	ELOVL2
EIF4G21	0	0.824314435	1	0.992	0	C5	EIF4G2
BUB31	0	0.821492361	0.978	0.806	0	C5	BUB3
SET	0	0.818073907	0.967	0.839	0	C5	SET
UACA	0	0.815577122	0.923	0.641	0	C5	UACA
CDCA2	0	0.812132188	0.665	0.148	0	C5	CDCA2
FAM83D	0	0.807987101	0.686	0.171	0	C5	FAM83D
CDC25B	0	0.801964465	0.766	0.304	0	C5	CDC25B
CENPE1	0	0.801555101	0.74	0.256	0	C5	CENPE

RHGAP11	0	0.799288016	0.71	0.18	0	C5	RHGAP11
PIF1	0	0.798296041	0.542	0.091	0	C5	PIF1
ECT21	0	0.797087504	0.755	0.257	0	C5	ECT2
AURKB1	0	0.796139118	0.769	0.249	0	C5	AURKB
KNL11	0	0.794009273	0.66	0.159	0	C5	KNL1
PLOD21	0	0.788165908	0.976	0.878	0	C5	PLOD2
COL8A11	0	0.778962954	0.838	0.544	0	C5	COL8A1
EZR1	0	0.777841195	0.931	0.627	0	C5	EZR
YWHAH	0	0.772302356	0.888	0.545	0	C5	YWHAH
SGO21	0	0.768543958	0.751	0.257	0	C5	SGO2
OGFRL1	0	0.765421995	0.639	0.209	0	C5	OGFRL1
PITX1	0	0.764926066	0.606	0.161	0	C5	PITX1
SUPT16H	0	0.762846587	0.914	0.607	0	C5	SUPT16H
ACSL4	0	0.762357657	0.792	0.395	0	C5	ACSL4
ESCO2	0	0.758200792	0.65	0.167	0	C5	ESCO2
PICALM	0	0.754387104	0.835	0.458	0	C5	PICALM
HELLS	0	0.753483065	0.715	0.264	0	C5	HELLS
UBE2T2	0	0.749674583	0.9	0.486	0	C5	UBE2T
KIF20B1	0	0.749470123	0.804	0.334	0	C5	KIF20B
H2AFX1	0	0.748821887	0.772	0.328	0	C5	H2AFX
HDGF	0	0.746844893	0.905	0.619	0	C5	HDGF
SKA3	0	0.745900296	0.733	0.258	0	C5	SKA3
TTK1	0	0.74407062	0.717	0.21	0	C5	TTK
KIF14	0	0.743471696	0.59	0.11	0	C5	KIF14
KIF18A	0	0.742255023	0.628	0.151	0	C5	KIF18A
SLC12A81	0	0.734612087	0.73	0.341	0	C5	SLC12A8
SPTBN1	0	0.730186404	0.788	0.373	0	C5	SPTBN1
INCENP	0	0.723847177	0.565	0.095	0	C5	INCENP
KRT181	0	0.72250735	0.992	0.854	0	C5	KRT18
ASAP1	0	0.721090004	0.788	0.392	0	C5	ASAP1
LBR1	0	0.720448038	0.794	0.388	0	C5	LBR
CCNB21	0	0.717609296	0.863	0.496	0	C5	CCNB2
SFPQ1	0	0.717174426	0.97	0.794	0	C5	SFPQ
CCNB11	0	0.714804363	0.971	0.729	0	C5	CCNB1
CALR	0	0.714180688	1	0.994	0	C5	CALR
KNSTRN1	0	0.712187734	0.759	0.316	0	C5	KNSTRN
CKS1B1	0	0.710360485	0.908	0.573	0	C5	CKS1B
PIMREG1	0	0.709974037	0.648	0.207	0	C5	PIMREG
SPAG51	0	0.703890752	0.692	0.209	0	C5	SPAG5
CANX	0	0.702322452	0.987	0.919	0	C5	CANX
MSH2	0	0.698868863	0.691	0.292	0	C5	MSH2
TM4SF1	0	0.698721173	0.833	0.463	0	C5	TM4SF1
AK5	0	0.698679834	0.545	0.203	0	C5	AK5

PBK1	0	0.69574092	0.847	0.419	0	C5	PBK
LMNB1	0	0.694834417	0.67	0.221	0	C5	LMNB1
HIST1H1B	0	0.694671973	0.427	0.093	0	C5	HIST1H1B
HIST1H1E	0	0.692205483	0.463	0.127	0	C5	HIST1H1E
HP1BP3	0	0.68786654	0.933	0.69	0	C5	HP1BP3
DLGAP51	0	0.687531635	0.765	0.336	0	C5	DLGAP5
BRD8	0	0.686837194	0.683	0.245	0	C5	BRD8
CDV3	0	0.685840727	0.853	0.535	0	C5	CDV3
RCC2	0	0.684846499	0.658	0.223	0	C5	RCC2
EPAS1	0	0.681678158	0.621	0.208	0	C5	EPAS1
HMMR1	0	0.681363816	0.736	0.301	0	C5	HMMR
FAM111A	0	0.679579647	0.639	0.205	0	C5	FAM111A
RAD23B	0	0.679272549	0.904	0.644	0	C5	RAD23B
TM9SF3	0	0.674232497	0.798	0.428	0	C5	TM9SF3
NSD2	0	0.673269447	0.732	0.311	0	C5	NSD2
RACGAP11	0	0.671128846	0.739	0.291	0	C5	RACGAP1
TNFRSF11E	0	0.670831467	0.459	0.186	0	C5	TNFRSF11E
RFLNB	0	0.668431003	0.764	0.395	0	C5	RFLNB
LAMC1	0	0.665521144	0.811	0.451	0	C5	LAMC1
DNAJC9	0	0.664326102	0.889	0.556	0	C5	DNAJC9
MIS18BP1	0	0.663984448	0.714	0.297	0	C5	MIS18BP1
SMC41	0	0.656990349	0.952	0.665	0	C5	SMC4
CBX5	0	0.656562938	0.899	0.654	0	C5	CBX5
SKA1	0	0.653545476	0.576	0.141	0	C5	SKA1
PRKDC	0	0.653477921	0.828	0.473	0	C5	PRKDC
FARP1	0	0.652607437	0.715	0.327	0	C5	FARP1
SPC251	0	0.65258827	0.729	0.279	0	C5	SPC25
PSRC1	0	0.65118729	0.6	0.151	0	C5	PSRC1
TACC31	0	0.651111391	0.655	0.216	0	C5	TACC3
LIFR	0	0.649772466	0.492	0.127	0	C5	LIFR
TUBA1C1	0	0.649261386	1	0.994	0	C5	TUBA1C
MCM3	0	0.64841574	0.751	0.387	0	C5	MCM3
BASP11	0	0.647132683	0.941	0.787	0	C5	BASP1
FANCB	0	0.638831795	0.573	0.156	0	C5	FANCB
MELK	0	0.6384551	0.684	0.247	0	C5	MELK
G2E3	0	0.635810193	0.668	0.255	0	C5	G2E3
FBLN1	0	0.63494207	0.704	0.357	0	C5	FBLN1
TIMP31	0	0.63381039	0.884	0.596	0	C5	TIMP3
CLTC	0	0.63358265	0.878	0.576	0	C5	CLTC
MCM4	0	0.628001591	0.783	0.398	0	C5	MCM4
CUL3	0	0.627585349	0.68	0.285	0	C5	CUL3
SGO1	0	0.624281646	0.623	0.19	0	C5	SGO1
HYI	0	0.620150456	0.823	0.539	0	C5	HYI

SOCS1	0	0.618858239	0.477	0.13	0	C5	SOCS1
OSMR	0	0.612990889	0.623	0.23	0	C5	OSMR
SUZ12	0	0.611815373	0.7	0.315	0	C5	SUZ12
MAGI2-AS3	0	0.607979175	0.773	0.473	0	C5	MAGI2-AS3
PGP1	0	0.605789805	0.771	0.367	0	C5	PGP
PNPT1	0	0.603264005	0.684	0.323	0	C5	PNPT1
SLC25A3	0	0.597042886	0.999	0.997	0	C5	SLC25A3
BUB1B1	0	0.596406893	0.646	0.214	0	C5	BUB1B
DHX9	0	0.596237286	0.827	0.483	0	C5	DHX9
GRSF1	0	0.593387204	0.825	0.505	0	C5	GRSF1
KHDRBS1	0	0.592354119	0.867	0.591	0	C5	KHDRBS1
CCNF	0	0.588640232	0.456	0.068	0	C5	CCNF
RRM1	0	0.588212081	0.839	0.507	0	C5	RRM1
CTBP2	0	0.585382966	0.835	0.533	0	C5	CTBP2
MACF1	0	0.583048124	0.682	0.327	0	C5	MACF1
R3HDM1	0	0.582638217	0.64	0.264	0	C5	R3HDM1
PRR111	0	0.578156964	0.688	0.288	0	C5	PRR11
CD44	0	0.576837068	0.961	0.805	0	C5	CD44
TRIP12	0	0.575317102	0.749	0.388	0	C5	TRIP12
GAS2L3	0	0.574991351	0.488	0.102	0	C5	GAS2L3
BRI31	0	0.573977319	0.864	0.54	0	C5	BRI3
ILF3	0	0.572494129	0.952	0.78	0	C5	ILF3
BRD7	0	0.571241948	0.624	0.252	0	C5	BRD7
ZC3H14	0	0.570345445	0.763	0.418	0	C5	ZC3H14
CDK5RAP2	0	0.562662634	0.586	0.263	0	C5	CDK5RAP2
SRRM2	0	0.561924212	0.847	0.543	0	C5	SRRM2
SMAD3	0	0.561797318	0.632	0.238	0	C5	SMAD3
KIF221	0	0.558436219	0.724	0.35	0	C5	KIF22
SAP30	0	0.557008955	0.515	0.148	0	C5	SAP30
EBNA1BP2	0	0.556674108	0.975	0.889	0	C5	EBNA1BP2
MBNL2	0	0.556469535	0.716	0.368	0	C5	MBNL2
UBALD2	0	0.555421413	0.539	0.174	0	C5	UBALD2
LARP1	0	0.552550019	0.721	0.36	0	C5	LARP1
HNRNPU1	0	0.55200323	0.976	0.876	0	C5	HNRNPU
MYLK	0	0.551839125	0.652	0.289	0	C5	MYLK
ETS2	0	0.551764351	0.544	0.177	0	C5	ETS2
HK1	0	0.551533519	0.839	0.529	0	C5	HK1
TEAD1	0	0.550179329	0.648	0.282	0	C5	TEAD1
SMC1A	0	0.547928479	0.71	0.354	0	C5	SMC1A
TNRC6A	0	0.547554527	0.687	0.336	0	C5	TNRC6A
INRNPA2B	0	0.541993945	1	0.999	0	C5	INRNPA2B
CDK12	0	0.541781642	0.706	0.365	0	C5	CDK12
MASTL	0	0.541717937	0.487	0.127	0	C5	MASTL

ALYREF2	0	0.541646136	0.784	0.391	0	C5	ALYREF
NOC3L	0	0.541234963	0.706	0.392	0	C5	NOC3L
AGFG1	0	0.539822054	0.578	0.204	0	C5	AGFG1
HNRNPAB	0	0.53832433	0.908	0.699	0	C5	HNRNPAB
CLMP	0	0.537573164	0.774	0.447	0	C5	CLMP
TROAP	0	0.537563198	0.731	0.376	0	C5	TROAP
CDKN1B	0	0.535427918	0.589	0.237	0	C5	CDKN1B
ATAD2	0	0.534869468	0.622	0.266	0	C5	ATAD2
GSR	0	0.525461466	0.544	0.188	0	C5	GSR
MASP1	0	0.525028997	0.442	0.112	0	C5	MASP1
SHCBP11	0	0.524122702	0.683	0.299	0	C5	SHCBP1
STC2	0	0.521112535	0.546	0.224	0	C5	STC2
SRSF2	0	0.520262708	0.989	0.915	0	C5	SRSF2
FOXM1	0	0.519197988	0.61	0.232	0	C5	FOXM1
SLFN11	0	0.517427287	0.599	0.291	0	C5	SLFN11
GPC1	0	0.516499946	0.557	0.209	0	C5	GPC1
TGOLN2	0	0.514667396	0.831	0.53	0	C5	TGOLN2
BTG1	0	0.508848816	0.576	0.266	0	C5	BTG1
VEGFA	0	0.507756141	0.554	0.222	0	C5	VEGFA
ORC6	0	0.505876156	0.603	0.233	0	C5	ORC6
MAP3K20	0	0.505076021	0.712	0.385	0	C5	MAP3K20
RAD51AP1	0	0.503780357	0.573	0.208	0	C5	RAD51AP1
HSPD11	0	0.502578008	0.995	0.971	0	C5	HSPD1
PSIP1	0	0.502423195	0.673	0.343	0	C5	PSIP1
ICMT	0	0.501673454	0.665	0.324	0	C5	ICMT
XPO1	0	0.498615125	0.773	0.461	0	C5	XPO1
EFHD2	0	0.497781451	0.659	0.328	0	C5	EFHD2
TWIST1	0	0.497185499	0.516	0.184	0	C5	TWIST1
ARHGAP21	0	0.496800011	0.611	0.279	0	C5	ARHGAP21
TMX3	0	0.496038966	0.655	0.316	0	C5	TMX3
ROCK2	0	0.495969021	0.703	0.371	0	C5	ROCK2
SLC4A2	0	0.493314388	0.531	0.191	0	C5	SLC4A2
NCAPD3	0	0.493118266	0.507	0.165	0	C5	NCAPD3
KIF4A1	0	0.489994969	0.553	0.194	0	C5	KIF4A
PPP3CA	0	0.487326478	0.693	0.354	0	C5	PPP3CA
SLC7A11	0	0.487158331	0.387	0.11	0	C5	SLC7A11
EGFLAM	0	0.486579525	0.322	0.099	0	C5	EGFLAM
DIAPH31	0	0.485967582	0.611	0.258	0	C5	DIAPH3
MAD2L11	0	0.4858007	0.824	0.468	0	C5	MAD2L1
GCNT1	0	0.483563306	0.533	0.22	0	C5	GCNT1
NCAPG2	0	0.483108572	0.539	0.198	0	C5	NCAPG2
NUCKS11	0	0.482951382	1	0.994	0	C5	NUCKS1
CENPJ	0	0.475898258	0.491	0.158	0	C5	CENPJ

ASXL1	0	0.475002667	0.588	0.261	0	C5	ASXL1
PPP1R35	0	0.470954245	0.501	0.188	0	C5	PPP1R35
HSPA2	0	0.470579729	0.5	0.192	0	C5	HSPA2
SNRNP200	0	0.47046162	0.594	0.263	0	C5	SNRNP200
DDX6	0	0.470215515	0.677	0.359	0	C5	DDX6
TNS3	0	0.469371408	0.479	0.165	0	C5	TNS3
ANGPT1	0	0.466496105	0.435	0.141	0	C5	ANGPT1
ZWINT	0	0.465625925	0.686	0.339	0	C5	ZWINT
MDM2	0	0.461178963	0.579	0.268	0	C5	MDM2
QSER1	0	0.460228123	0.466	0.154	0	C5	QSER1
TOPBP1	0	0.459077254	0.562	0.239	0	C5	TOPBP1
MPRIIP	0	0.455312082	0.616	0.298	0	C5	MPRIIP
CLSPN	0	0.455130811	0.612	0.29	0	C5	CLSPN
M6PR	0	0.453520208	0.685	0.352	0	C5	M6PR
HLTF	0	0.453458952	0.59	0.278	0	C5	HLTF
CPT1A	0	0.451927361	0.565	0.237	0	C5	CPT1A
LINC01578	0	0.451758975	0.555	0.236	0	C5	LINC01578
NEIL3	0	0.449187428	0.394	0.08	0	C5	NEIL3
UBAP2	0	0.449187096	0.544	0.235	0	C5	UBAP2
PPP2R2D	0	0.447827004	0.481	0.174	0	C5	PPP2R2D
NDE1	0	0.446960982	0.428	0.126	0	C5	NDE1
ADARB1	0	0.446503196	0.416	0.122	0	C5	ADARB1
LRRC58	0	0.445377323	0.589	0.274	0	C5	LRRC58
TGFBR1	0	0.44499409	0.398	0.101	0	C5	TGFBR1
PPP6R3	0	0.444098694	0.473	0.163	0	C5	PPP6R3
CCDC14	0	0.443711646	0.558	0.233	0	C5	CCDC14
ARID3A	0	0.4411197	0.5	0.21	0	C5	ARID3A
RANGAP1	0	0.440389235	0.504	0.19	0	C5	RANGAP1
VRK1	0	0.439545963	0.629	0.297	0	C5	VRK1
ITGBL1	0	0.439370105	0.483	0.183	0	C5	ITGBL1
PKMYT1	0	0.438118734	0.501	0.182	0	C5	PKMYT1
UBE2H	0	0.43748505	0.551	0.24	0	C5	UBE2H
CDKN2D	0	0.437205515	0.359	0.075	0	C5	CDKN2D
NEK21	0	0.435528329	0.451	0.138	0	C5	NEK2
GPSM2	0	0.434264167	0.47	0.164	0	C5	GPSM2
HUWE1	0	0.434007114	0.519	0.206	0	C5	HUWE1
HEG1	0	0.433253472	0.525	0.212	0	C5	HEG1
USP13	0	0.433174398	0.421	0.131	0	C5	USP13
POLR3B	0	0.433119355	0.474	0.178	0	C5	POLR3B
FOXF1	0	0.430930754	0.384	0.094	0	C5	FOXF1
CDCA5	0	0.430572643	0.421	0.116	0	C5	CDCA5
LMO7	0	0.429674201	0.509	0.212	0	C5	LMO7
SMCHD1	0	0.427502139	0.531	0.222	0	C5	SMCHD1

NETO2	0	0.426355137	0.478	0.184	0	C5	NETO2
DDIAS	0	0.425839171	0.373	0.082	0	C5	DDIAS
MGME1	0	0.424973357	0.551	0.239	0	C5	MGME1
ANKLE2	0	0.424498208	0.566	0.261	0	C5	ANKLE2
KIF20A1	0	0.421640119	0.556	0.243	0	C5	KIF20A
VEZF1	0	0.421076035	0.539	0.232	0	C5	VEZF1
GIN51	0	0.420639325	0.425	0.124	0	C5	GIN51
ERCC6L	0	0.420628371	0.334	0.055	0	C5	ERCC6L
KNTC1	0	0.419940435	0.382	0.087	0	C5	KNTC1
TBL1XR1	0	0.418714605	0.549	0.25	0	C5	TBL1XR1
STIL	0	0.416883399	0.362	0.071	0	C5	STIL
CSF1	0	0.412085611	0.396	0.118	0	C5	CSF1
PIM3	0	0.411999955	0.411	0.122	0	C5	PIM3
PPP2CB	0	0.410668797	0.508	0.212	0	C5	PPP2CB
UBE2Z	0	0.410108977	0.547	0.247	0	C5	UBE2Z
STK24	0	0.409806919	0.544	0.243	0	C5	STK24
ARHGEF12	0	0.409195516	0.51	0.209	0	C5	ARHGEF12
KIAA0586	0	0.408968311	0.49	0.195	0	C5	KIAA0586
CDCA4	0	0.406464596	0.489	0.207	0	C5	CDCA4
ERBIN	0	0.404663049	0.51	0.219	0	C5	ERBIN
CDC25C	0	0.403400674	0.378	0.097	0	C5	CDC25C
KMT5A	0	0.397955814	0.454	0.175	0	C5	KMT5A
CTCF	0	0.397653596	0.452	0.168	0	C5	CTCF
NCAPD2	0	0.396464539	0.501	0.203	0	C5	NCAPD2
HSPA1A	0	0.396257582	0.467	0.192	0	C5	HSPA1A
WDHD1	0	0.396102146	0.446	0.171	0	C5	WDHD1
CENPL	0	0.39276879	0.381	0.098	0	C5	CENPL
CRYBG1	0	0.391671875	0.429	0.152	0	C5	CRYBG1
MYBL2	0	0.389529578	0.44	0.163	0	C5	MYBL2
PLK4	0	0.383987547	0.357	0.085	0	C5	PLK4
HAUS6	0	0.383000225	0.479	0.198	0	C5	HAUS6
FANCI	0	0.378362495	0.441	0.168	0	C5	FANCI
ITGA1	0	0.376625355	0.391	0.129	0	C5	ITGA1
ASAP2	0	0.376164115	0.374	0.117	0	C5	ASAP2
CNTRL	0	0.375127427	0.391	0.13	0	C5	CNTRL
RAD18	0	0.374909696	0.423	0.157	0	C5	RAD18
BRCA1	0	0.37417142	0.407	0.139	0	C5	BRCA1
MXD3	0	0.372058665	0.347	0.092	0	C5	MXD3
ARHGEF39	0	0.369155219	0.302	0.055	0	C5	ARHGEF39
CENPO	0	0.361047887	0.433	0.166	0	C5	CENPO
BORA	0	0.359982531	0.349	0.094	0	C5	BORA
ARNTL2	0	0.359145635	0.379	0.13	0	C5	ARNTL2
TICRR	0	0.357745982	0.276	0.037	0	C5	TICRR

KIF15	0	0.355994454	0.334	0.092	0	C5	KIF15
GPRC5A	0	0.354008697	0.322	0.088	0	C5	GPRC5A
MTFR2	0	0.352959398	0.312	0.071	0	C5	MTFR2
FENDRR	0	0.351934323	0.289	0.073	0	C5	FENDRR
BARD1	0	0.349558852	0.377	0.132	0	C5	BARD1
HAUS8	0	0.348998727	0.379	0.127	0	C5	HAUS8
GATA4	0	0.34834725	0.278	0.045	0	C5	GATA4
ZMYM1	0	0.347416829	0.372	0.128	0	C5	ZMYM1
CEP97	0	0.346857183	0.351	0.11	0	C5	CEP97
PRKCA	0	0.34576572	0.399	0.141	0	C5	PRKCA
BMP2K	0	0.342095597	0.373	0.129	0	C5	BMP2K
ATP13A3	0	0.341632736	0.351	0.11	0	C5	ATP13A3
CBL	0	0.338696861	0.341	0.103	0	C5	CBL
EP300	0	0.338388364	0.351	0.11	0	C5	EP300
CEP128	0	0.337961485	0.301	0.068	0	C5	CEP128
DEPDC1B	0	0.333651557	0.299	0.067	0	C5	DEPDC1B
KAT6A	0	0.33334277	0.376	0.134	0	C5	KAT6A
HYLS1	0	0.331137825	0.343	0.107	0	C5	HYLS1
CENPI	0	0.326835248	0.312	0.081	0	C5	CENPI
TP53BP2	0	0.324080072	0.335	0.11	0	C5	TP53BP2
POLQ	0	0.322764615	0.264	0.044	0	C5	POLQ
ADGRG6	0	0.318611297	0.283	0.068	0	C5	ADGRG6
C21orf58	0	0.313330625	0.301	0.092	0	C5	C21orf58
CEP152	0	0.30072724	0.292	0.088	0	C5	CEP152
TEDC1	0	0.29537933	0.307	0.091	0	C5	TEDC1
RFWD3	0	0.29284232	0.281	0.079	0	C5	RFWD3
LIN28B	0	0.291757728	0.189	0.033	0	C5	LIN28B
BLM	0	0.291004074	0.285	0.08	0	C5	BLM
GEN1	0	0.288689913	0.293	0.083	0	C5	GEN1
LYN	0	0.288120493	0.274	0.075	0	C5	LYN
E2F8	0	0.281214419	0.225	0.04	0	C5	E2F8
MAEL	0	0.280499501	0.207	0.037	0	C5	MAEL
REXO1	0	0.278392528	0.273	0.076	0	C5	REXO1
TGFBR3	0	0.268358525	0.259	0.071	0	C5	TGFBR3
RTKN2	0	0.255405435	0.23	0.058	0	C5	RTKN2
GTF2I	1.65E-307	0.398592834	0.547	0.244	4.46E-303	C5	GTF2I
ANXA3	2.81E-306	0.475133358	0.588	0.276	7.60E-302	C5	ANXA3
DSG2	4.47E-306	0.416629793	0.546	0.244	1.21E-301	C5	DSG2
SAC3D1	2.03E-305	0.366951705	0.445	0.175	5.48E-301	C5	SAC3D1
FUS	6.39E-305	0.441290055	0.998	0.981	1.73E-300	C5	FUS
CDC5L	1.63E-304	0.513101169	0.758	0.447	4.40E-300	C5	CDC5L
RHOH	1.65E-304	0.288435516	0.227	0.058	4.47E-300	C5	RHOH
MT1E	3.99E-304	0.654670857	0.959	0.88	1.08E-299	C5	MT1E

UBE2K	4.09E-304	0.536303115	0.912	0.719	1.11E-299	C5	UBE2K
MPHOSPH9	1.13E-303	0.318587665	0.347	0.119	3.05E-299	C5	MPHOSPH9
TTF2	1.17E-303	0.3030007	0.32	0.103	3.17E-299	C5	TTF2
BRCA2	4.14E-303	0.320717728	0.345	0.117	1.12E-298	C5	BRCA2
MBNL1	4.96E-303	0.518828614	0.791	0.489	1.34E-298	C5	MBNL1
RRM21	8.11E-303	0.518682962	0.879	0.595	2.19E-298	C5	RRM2
CENPK1	8.74E-303	0.458297913	0.727	0.389	2.36E-298	C5	CENPK
NUP58	1.68E-302	0.368860887	0.447	0.179	4.56E-298	C5	NUP58
TMEM131	3.19E-302	0.342785028	0.396	0.147	8.63E-298	C5	TMEM131
CEBPB1	8.68E-302	0.478944122	0.643	0.313	2.35E-297	C5	CEBPB
MCMBP	1.13E-301	0.42072496	0.534	0.241	3.07E-297	C5	MCMBP
CNN3	1.47E-301	0.506667859	0.994	0.962	3.98E-297	C5	CNN3
SLC29A1	1.26E-300	0.340469019	0.411	0.156	3.41E-296	C5	SLC29A1
PCM1	1.66E-300	0.463363626	0.636	0.327	4.50E-296	C5	PCM1
STOM	2.30E-300	0.394460086	0.474	0.199	6.24E-296	C5	STOM
HECTD1	7.39E-300	0.475408743	0.651	0.337	2.00E-295	C5	HECTD1
PPP4R1	1.58E-299	0.429135928	0.541	0.251	4.27E-295	C5	PPP4R1
PKP4	2.76E-299	0.328772387	0.363	0.128	7.48E-295	C5	PKP4
AKAP13	4.27E-299	0.377383017	0.446	0.178	1.16E-294	C5	AKAP13
LMNB2	5.44E-299	0.371253316	0.459	0.189	1.47E-294	C5	LMNB2
SSX2IP	5.56E-299	0.420890626	0.506	0.223	1.50E-294	C5	SSX2IP
CITED21	9.58E-299	0.577736553	0.745	0.42	2.59E-294	C5	CITED2
BIRC51	1.36E-298	0.517480821	0.922	0.683	3.69E-294	C5	BIRC5
RAC11	2.82E-298	0.541745705	0.934	0.738	7.64E-294	C5	RAC1
PDS5A	6.48E-298	0.391474649	0.509	0.223	1.75E-293	C5	PDS5A
REEP4	1.06E-296	0.427973344	0.599	0.292	2.88E-292	C5	REEP4
PRC1	1.97E-296	0.333022418	0.382	0.14	5.33E-292	C5	PRC1
NUP50	1.24E-294	0.374357117	0.446	0.182	3.36E-290	C5	NUP50
SSFA2	4.00E-294	0.481057992	0.699	0.377	1.08E-289	C5	SSFA2
WAPL	5.31E-294	0.438395131	0.625	0.317	1.44E-289	C5	WAPL
UBA6	1.40E-293	0.392756248	0.521	0.234	3.80E-289	C5	UBA6
GPN3	3.39E-293	0.488354848	0.764	0.453	9.19E-289	C5	GPN3
PTBP3	3.36E-291	0.405391218	0.551	0.257	9.11E-287	C5	PTBP3
EPB41L2	3.42E-291	0.476912678	0.73	0.414	9.27E-287	C5	EPB41L2
ENAH	9.58E-291	0.477277022	0.743	0.426	2.59E-286	C5	ENAH
CD55	1.63E-290	0.474643768	0.551	0.263	4.41E-286	C5	CD55
COL12A11	3.04E-290	0.500494397	0.737	0.424	8.23E-286	C5	COL12A1
DAZAP1	1.52E-289	0.460062078	0.692	0.373	4.12E-285	C5	DAZAP1
BZW1	1.77E-289	0.466831827	0.98	0.868	4.79E-285	C5	BZW1
ATPAF1	2.00E-289	0.431154594	0.629	0.318	5.41E-285	C5	ATPAF1
GNB1	4.66E-289	0.526687728	0.84	0.576	1.26E-284	C5	GNB1
CDKN2C	4.80E-289	0.333768488	0.385	0.144	1.30E-284	C5	CDKN2C
CACNA2D1	1.36E-288	0.299314009	0.309	0.101	3.68E-284	C5	CACNA2D1

CDC42EP4	4.03E-288	0.266478062	0.277	0.084	1.09E-283	C5	CDC42EP4
GMNN1	1.38E-287	0.497051919	0.813	0.493	3.73E-283	C5	GMNN
CIP2A	1.48E-287	0.316358859	0.373	0.136	4.00E-283	C5	CIP2A
JCAD	6.19E-287	0.354994284	0.404	0.156	1.68E-282	C5	JCAD
NDC1	9.24E-286	0.319524043	0.378	0.14	2.50E-281	C5	NDC1
CCDC18	2.80E-285	0.364397697	0.43	0.172	7.58E-281	C5	CCDC18
ADD1	1.28E-284	0.469561932	0.751	0.445	3.47E-280	C5	ADD1
PCBP11	1.84E-284	0.499727842	0.967	0.871	4.99E-280	C5	PCBP1
ITGA2	4.46E-284	0.434336093	0.561	0.262	1.21E-279	C5	ITGA2
HIST1H1A1	9.86E-284	0.426995092	0.308	0.102	2.67E-279	C5	HIST1H1A
CASK	1.19E-283	0.308801737	0.337	0.117	3.23E-279	C5	CASK
CDC34	5.82E-283	0.379312388	0.517	0.23	1.57E-278	C5	CDC34
FANCD2	2.76E-282	0.258255536	0.258	0.075	7.46E-278	C5	FANCD2
HSBP1L1	3.57E-282	0.446952276	0.557	0.265	9.68E-278	C5	HSBP1L1
SH2D4A	8.27E-282	0.484980299	0.649	0.344	2.24E-277	C5	SH2D4A
PHTF2	2.76E-281	0.358221896	0.45	0.188	7.47E-277	C5	PHTF2
HRAS	2.04E-280	0.415091756	0.618	0.31	5.51E-276	C5	HRAS
ERLIN1	9.75E-280	0.458446991	0.731	0.422	2.64E-275	C5	ERLIN1
MND1	3.25E-279	0.342164333	0.439	0.178	8.81E-275	C5	MND1
TFPI	6.87E-279	0.534259858	0.776	0.476	1.86E-274	C5	TFPI
MZT11	1.98E-278	0.434475116	0.672	0.362	5.35E-274	C5	MZT1
CEP63	8.72E-278	0.405471514	0.55	0.261	2.36E-273	C5	CEP63
HNRNPM	1.38E-277	0.461911134	0.98	0.898	3.74E-273	C5	HNRNPM
AC118549.1	2.81E-276	0.376666232	0.509	0.23	7.61E-272	C5	AC118549.1
PARP2	5.72E-276	0.384148486	0.516	0.237	1.55E-271	C5	PARP2
STK17A	8.80E-276	0.451925264	0.585	0.297	2.38E-271	C5	STK17A
REV3L	2.98E-275	0.347551261	0.404	0.159	8.08E-271	C5	REV3L
C2orf69	2.50E-274	0.306758708	0.353	0.129	6.78E-270	C5	C2orf69
ASXL2	5.22E-274	0.301942361	0.335	0.118	1.41E-269	C5	ASXL2
GPATCH4	8.33E-274	0.559098043	0.785	0.504	2.26E-269	C5	GPATCH4
SYTL2	1.62E-273	0.427913302	0.459	0.199	4.40E-269	C5	SYTL2
IGFBP31	2.16E-273	0.721788197	0.486	0.216	5.84E-269	C5	IGFBP3
CEP350	3.18E-273	0.397577109	0.501	0.227	8.61E-269	C5	CEP350
PRRC2B	3.74E-273	0.37657829	0.507	0.23	1.01E-268	C5	PRRC2B
IGF2BP2	4.81E-273	0.453147359	0.714	0.414	1.30E-268	C5	IGF2BP2
CSNK1A1	6.19E-273	0.462430845	0.76	0.462	1.68E-268	C5	CSNK1A1
WEE1	1.28E-272	0.277590981	0.287	0.092	3.46E-268	C5	WEE1
CNOT1	2.42E-272	0.387118748	0.554	0.266	6.55E-268	C5	CNOT1
ECI1	7.34E-272	0.3673776	0.507	0.227	1.99E-267	C5	ECI1
ARID1A	1.12E-271	0.336495727	0.408	0.164	3.03E-267	C5	ARID1A
IGF2BP1	1.32E-271	0.347315065	0.429	0.176	3.56E-267	C5	IGF2BP1
TSPAN5	5.41E-271	0.44661759	0.633	0.334	1.47E-266	C5	TSPAN5
SPDL11	1.16E-270	0.506931001	0.86	0.586	3.13E-266	C5	SPDL1

USP12	1.36E-270	0.332035553	0.368	0.139	3.68E-266	C5	USP12
ASPH	2.72E-270	0.472113278	0.987	0.934	7.35E-266	C5	ASPH
SOCS3	4.36E-270	0.464521256	0.5	0.23	1.18E-265	C5	SOCS3
TFDP11	5.03E-270	0.465405556	0.769	0.453	1.36E-265	C5	TFDP1
PSPC1	7.79E-270	0.396605205	0.543	0.26	2.11E-265	C5	PSPC1
MYOF	1.37E-269	0.447457605	0.679	0.378	3.71E-265	C5	MYOF
ENDOG	2.13E-269	0.398202534	0.508	0.228	5.77E-265	C5	ENDOG
AFAP1	2.65E-269	0.364016089	0.46	0.199	7.19E-265	C5	AFAP1
TFRC	3.36E-269	0.411571982	0.558	0.273	9.10E-265	C5	TFRC
IGFBP72	3.71E-269	0.542681875	0.957	0.828	1.00E-264	C5	IGFBP7
NR2F1	5.62E-269	0.334379936	0.366	0.136	1.52E-264	C5	NR2F1
RANBP2	1.95E-267	0.376804732	0.529	0.247	5.27E-263	C5	RANBP2
SPATS2L	2.49E-267	0.477250378	0.956	0.825	6.73E-263	C5	SPATS2L
NECTIN3	8.27E-267	0.453548466	0.618	0.326	2.24E-262	C5	NECTIN3
TKT	9.53E-267	0.454513242	0.989	0.963	2.58E-262	C5	TKT
MBD2	3.10E-266	0.404740012	0.566	0.276	8.39E-262	C5	MBD2
WAC	1.05E-265	0.405092538	0.591	0.302	2.85E-261	C5	WAC
DOCK1	1.19E-265	0.320350345	0.378	0.145	3.21E-261	C5	DOCK1
CCDC71L	6.64E-265	0.39230707	0.453	0.198	1.80E-260	C5	CCDC71L
NEK7	6.87E-265	0.456493535	0.635	0.341	1.86E-260	C5	NEK7
WBP11	7.79E-265	0.427444561	0.72	0.42	2.11E-260	C5	WBP11
H2AFV	1.24E-264	0.393388527	0.997	0.973	3.36E-260	C5	H2AFV
RFC3	6.49E-264	0.323434691	0.439	0.182	1.76E-259	C5	RFC3
LPP	7.11E-264	0.428678054	0.651	0.346	1.93E-259	C5	LPP
TBC1D2	1.11E-263	0.356343132	0.46	0.2	3.01E-259	C5	TBC1D2
GLRX51	1.16E-263	0.434118032	0.712	0.383	3.13E-259	C5	GLRX5
TYMS1	2.79E-263	0.474896995	0.913	0.682	7.56E-259	C5	TYMS
TRPM7	3.04E-263	0.321331072	0.361	0.136	8.23E-259	C5	TRPM7
CEP135	3.86E-263	0.298476312	0.342	0.125	1.05E-258	C5	CEP135
SPC24	4.52E-263	0.304621178	0.362	0.136	1.22E-258	C5	SPC24
TUBB4B1	1.80E-262	0.417806354	0.999	0.968	4.87E-258	C5	TUBB4B
PFKP	2.08E-262	0.504752287	0.783	0.514	5.64E-258	C5	PFKP
PRR14L	2.36E-262	0.319186585	0.369	0.141	6.39E-258	C5	PRR14L
ANP32E1	5.50E-262	0.476024956	0.892	0.669	1.49E-257	C5	ANP32E
RRAS2	7.03E-262	0.380680794	0.503	0.231	1.90E-257	C5	RRAS2
B4GALT1	2.38E-261	0.39486063	0.608	0.312	6.44E-257	C5	B4GALT1
CANT1	1.17E-260	0.372401	0.548	0.266	3.16E-256	C5	CANT1
HSP90AA1	1.82E-260	0.403997432	0.999	0.993	4.92E-256	C5	HSP90AA1
QKI	1.25E-259	0.387039121	0.543	0.264	3.39E-255	C5	QKI
CHD4	1.57E-259	0.445254838	0.724	0.423	4.26E-255	C5	CHD4
ZDHHC7	1.82E-259	0.310444913	0.344	0.128	4.93E-255	C5	ZDHHC7
HNRNPH1	5.16E-259	0.476769955	0.837	0.577	1.40E-254	C5	HNRNPH1
PIK3CA	8.94E-259	0.295872298	0.332	0.12	2.42E-254	C5	PIK3CA

LARP4	2.96E-258	0.399130335	0.603	0.307	8.02E-254	C5	LARP4
EXOC5	3.30E-258	0.398219195	0.598	0.307	8.94E-254	C5	EXOC5
MIS18A	3.74E-258	0.365961694	0.571	0.278	1.01E-253	C5	MIS18A
PXDN1	3.20E-257	0.466096547	0.776	0.479	8.66E-253	C5	PXDN
CDKN31	2.28E-256	0.494062093	0.955	0.749	6.17E-252	C5	CDKN3
CRIM1	3.40E-256	0.326157471	0.435	0.184	9.21E-252	C5	CRIM1
SP3	5.66E-256	0.362639028	0.509	0.238	1.53E-251	C5	SP3
MATN21	8.30E-256	0.456474557	0.69	0.376	2.25E-251	C5	MATN2
PABPC1	1.39E-255	0.343442143	1	1	3.76E-251	C5	PABPC1
OIP5	2.07E-255	0.311187182	0.411	0.168	5.61E-251	C5	OIP5
PITPNB	2.42E-255	0.462582433	0.762	0.477	6.55E-251	C5	PITPNB
CDC7	1.74E-254	0.280795756	0.311	0.109	4.71E-250	C5	CDC7
DLEU2	1.17E-253	0.367716344	0.509	0.238	3.16E-249	C5	DLEU2
DOCK5	1.22E-253	0.293286574	0.33	0.12	3.31E-249	C5	DOCK5
ASF1B	1.85E-253	0.336827852	0.456	0.198	5.00E-249	C5	ASF1B
CENPU	2.18E-253	0.365723823	0.538	0.255	5.91E-249	C5	CENPU
CDC42BPB	2.76E-253	0.327614165	0.41	0.169	7.48E-249	C5	CDC42BPB
RAB8A	1.14E-252	0.450879005	0.771	0.485	3.08E-248	C5	RAB8A
POMT1	5.28E-252	0.328765922	0.364	0.142	1.43E-247	C5	POMT1
NUP98	6.39E-252	0.292714927	0.344	0.129	1.73E-247	C5	NUP98
IMPAD1	8.79E-252	0.383889672	0.568	0.286	2.38E-247	C5	IMPAD1
GFM1	1.74E-251	0.401616549	0.576	0.296	4.72E-247	C5	GFM1
PEG10	1.99E-251	0.523290375	0.615	0.335	5.37E-247	C5	PEG10
TOX2	2.06E-251	0.259970008	0.255	0.079	5.57E-247	C5	TOX2
CLDN11	4.07E-251	0.557643471	0.892	0.704	1.10E-246	C5	CLDN11
DYNLL2	1.01E-250	0.348130272	0.486	0.222	2.74E-246	C5	DYNLL2
UBC	4.98E-250	0.381129046	0.996	0.985	1.35E-245	C5	UBC
CEP44	7.18E-250	0.288715502	0.328	0.12	1.94E-245	C5	CEP44
SLF2	1.11E-249	0.365093319	0.544	0.264	3.01E-245	C5	SLF2
KIF1C	1.27E-249	0.321964981	0.421	0.177	3.44E-245	C5	KIF1C
TOMM401	2.33E-249	0.407862215	0.72	0.395	6.31E-245	C5	TOMM40
MTHFD1L	2.57E-249	0.390790829	0.623	0.33	6.96E-245	C5	MTHFD1L
RAB21	9.30E-249	0.326797083	0.4	0.165	2.52E-244	C5	RAB21
CCDC77	1.55E-248	0.251156657	0.256	0.08	4.19E-244	C5	CCDC77
NAP1L4	2.13E-248	0.452526557	0.812	0.542	5.77E-244	C5	NAP1L4
ATF1	2.70E-248	0.378511151	0.578	0.294	7.32E-244	C5	ATF1
USP1	2.76E-248	0.418713375	0.7	0.399	7.47E-244	C5	USP1
RCC1	1.50E-247	0.351655414	0.522	0.25	4.06E-243	C5	RCC1
EXT1	7.78E-247	0.394145711	0.57	0.291	2.10E-242	C5	EXT1
EXOSC10	8.42E-247	0.375347776	0.585	0.301	2.28E-242	C5	EXOSC10
CHML	1.12E-246	0.300862831	0.332	0.122	3.02E-242	C5	CHML
C12orf4	2.83E-246	0.326699114	0.407	0.171	7.65E-242	C5	C12orf4
IGF2R	3.68E-246	0.289346306	0.346	0.13	9.97E-242	C5	IGF2R

RAB8B	3.94E-246	0.390490152	0.581	0.298	1.07E-241	C5	RAB8B
HAND2	8.72E-246	0.405160218	0.61	0.324	2.36E-241	C5	HAND2
SKP2	9.32E-246	0.367421799	0.499	0.237	2.52E-241	C5	SKP2
ICE1	1.22E-245	0.354589624	0.474	0.215	3.30E-241	C5	ICE1
ELAVL11	1.75E-245	0.406329062	0.699	0.39	4.75E-241	C5	ELAVL1
RNF26	2.84E-245	0.382401869	0.637	0.346	7.70E-241	C5	RNF26
SEH1L	1.05E-243	0.360908774	0.51	0.245	2.85E-239	C5	SEH1L
EBPL1	1.72E-243	0.416246514	0.684	0.378	4.66E-239	C5	EBPL
UBE2G2	1.16E-242	0.459552354	0.735	0.454	3.13E-238	C5	UBE2G2
ATXN2	1.66E-242	0.328342735	0.427	0.185	4.51E-238	C5	ATXN2
BCL3	3.81E-242	0.448744504	0.661	0.379	1.03E-237	C5	BCL3
PTGES31	6.58E-242	0.395052102	0.989	0.937	1.78E-237	C5	PTGES3
CCDC82	7.07E-242	0.392684069	0.617	0.331	1.91E-237	C5	CCDC82
DNAJB1	2.26E-241	0.410135664	0.687	0.397	6.12E-237	C5	DNAJB1
SMAP2	3.63E-241	0.379758258	0.548	0.275	9.83E-237	C5	SMAP2
PKN2	4.66E-241	0.365153361	0.565	0.286	1.26E-236	C5	PKN2
EGFR	5.70E-241	0.314831248	0.374	0.151	1.54E-236	C5	EGFR
UBR5	7.10E-241	0.313324193	0.378	0.153	1.92E-236	C5	UBR5
HEATR1	1.68E-240	0.314818543	0.428	0.184	4.56E-236	C5	HEATR1
ZDHHC5	1.15E-239	0.307280103	0.372	0.15	3.11E-235	C5	ZDHHC5
PRPF8	1.31E-239	0.377781536	0.589	0.309	3.55E-235	C5	PRPF8
ADAM10	2.88E-239	0.403109839	0.641	0.353	7.80E-235	C5	ADAM10
IL7R	2.92E-239	0.3205945	0.255	0.083	7.91E-235	C5	IL7R
PPWD1	3.47E-239	0.396981936	0.629	0.345	9.40E-235	C5	PPWD1
PKNOX1	3.64E-239	0.33529904	0.44	0.194	9.85E-235	C5	PKNOX1
HIF1A	5.87E-239	0.45437233	0.96	0.846	1.59E-234	C5	HIF1A
ANKRD11	3.56E-238	0.417583436	0.664	0.376	9.65E-234	C5	ANKRD11
OSBP	5.59E-238	0.308450657	0.376	0.153	1.51E-233	C5	OSBP
NAT10	6.09E-238	0.337519902	0.424	0.186	1.65E-233	C5	NAT10
CHD8	1.56E-237	0.347703252	0.492	0.232	4.23E-233	C5	CHD8
PTPN11	5.42E-237	0.425120004	0.752	0.464	1.47E-232	C5	PTPN11
VCL	2.96E-236	0.452468154	0.872	0.635	8.01E-232	C5	VCL
ASCC3	4.16E-236	0.407081255	0.607	0.328	1.13E-231	C5	ASCC3
SNX4	4.86E-236	0.41593867	0.614	0.34	1.31E-231	C5	SNX4
FUBP1	9.47E-236	0.439681716	0.811	0.538	2.56E-231	C5	FUBP1
AARS2	1.13E-235	0.285167174	0.299	0.107	3.05E-231	C5	AARS2
RBM26	1.92E-235	0.342445612	0.49	0.232	5.19E-231	C5	RBM26
SSB	2.70E-235	0.39375899	0.99	0.957	7.30E-231	C5	SSB
YBX11	8.55E-235	0.402962152	0.991	0.975	2.31E-230	C5	YBX1
PHF191	8.71E-235	0.440396268	0.804	0.516	2.36E-230	C5	PHF19
WDR36	1.04E-233	0.342480463	0.488	0.231	2.82E-229	C5	WDR36
CDC42	1.06E-233	0.365875342	0.997	0.975	2.88E-229	C5	CDC42
FGF2	1.34E-233	0.36583793	0.484	0.229	3.62E-229	C5	FGF2

ADAMTS1	3.96E-233	0.430968976	0.43	0.192	1.07E-228	C5	ADAMTS1
HACD2	1.46E-232	0.329700818	0.439	0.197	3.95E-228	C5	HACD2
CDK2	5.87E-232	0.276955373	0.318	0.119	1.59E-227	C5	CDK2
EXOSC6	5.98E-232	0.289750712	0.375	0.153	1.62E-227	C5	EXOSC6
AGPAT5	1.36E-231	0.333032705	0.453	0.207	3.68E-227	C5	AGPAT5
HNRNPD	1.48E-231	0.365358891	0.997	0.974	4.02E-227	C5	HNRNPD
RBMS1	4.28E-231	0.460678445	0.853	0.627	1.16E-226	C5	RBMS1
FOPNL	4.43E-231	0.384818254	0.583	0.311	1.20E-226	C5	FOPNL
RABL6	7.28E-231	0.349475919	0.544	0.273	1.97E-226	C5	RABL6
TRIM24	7.73E-231	0.332302121	0.42	0.183	2.09E-226	C5	TRIM24
AKAP11	1.11E-230	0.338059146	0.447	0.202	3.02E-226	C5	AKAP11
KCTD9	8.39E-230	0.319839191	0.429	0.191	2.27E-225	C5	KCTD9
AFDN	1.67E-229	0.307784555	0.364	0.148	4.52E-225	C5	AFDN
MYO10	2.75E-229	0.349608126	0.527	0.26	7.45E-225	C5	MYO10
TXLNA	5.46E-229	0.331580811	0.477	0.225	1.48E-224	C5	TXLNA
PARPBP	6.47E-229	0.312616115	0.42	0.184	1.75E-224	C5	PARPBP
KIAA1586	4.73E-228	0.424437055	0.655	0.377	1.28E-223	C5	KIAA1586
POLE3	6.39E-228	0.415580218	0.713	0.433	1.73E-223	C5	POLE3
SRM2	1.21E-227	0.477116977	0.911	0.683	3.27E-223	C5	SRM
DDX3X	1.94E-227	0.433234542	0.82	0.56	5.24E-223	C5	DDX3X
EHMT1	2.27E-227	0.339059367	0.502	0.242	6.14E-223	C5	EHMT1
PTPRA	7.05E-227	0.320370385	0.443	0.2	1.91E-222	C5	PTPRA
CTDSPL2	2.11E-226	0.310296697	0.382	0.161	5.71E-222	C5	CTDSPL2
LYST	2.50E-226	0.302598103	0.334	0.13	6.78E-222	C5	LYST
PPM1G	1.59E-225	0.430130908	0.929	0.761	4.30E-221	C5	PPM1G
ZFP36L2	2.28E-225	0.351846703	0.475	0.224	6.18E-221	C5	ZFP36L2
CDC27	2.29E-225	0.391628472	0.698	0.416	6.20E-221	C5	CDC27
HMGA2	2.49E-225	0.471551808	0.622	0.351	6.74E-221	C5	HMGA2
CDC45	3.17E-225	0.291293149	0.406	0.173	8.59E-221	C5	CDC45
CCT51	6.10E-225	0.387611525	0.992	0.948	1.65E-220	C5	CCT5
CWC22	7.92E-225	0.37859663	0.568	0.299	2.14E-220	C5	CWC22
CENPC	5.00E-224	0.285173102	0.349	0.139	1.35E-219	C5	CENPC
CDT1	1.83E-223	0.29613623	0.36	0.145	4.96E-219	C5	CDT1
YWHAZ	1.74E-222	0.319155971	1	0.995	4.71E-218	C5	YWHAZ
CAPN2	5.35E-222	0.412359104	0.976	0.88	1.45E-217	C5	CAPN2
FAP	5.64E-222	0.508070984	0.844	0.645	1.53E-217	C5	FAP
CEP57L1	1.00E-221	0.342465912	0.557	0.286	2.71E-217	C5	CEP57L1
POC1A	1.31E-221	0.313267347	0.437	0.197	3.56E-217	C5	POC1A
RBPM5	1.99E-221	0.369880166	0.571	0.301	5.38E-217	C5	RBPM5
ZNRF1	3.53E-221	0.2542777	0.293	0.107	9.56E-217	C5	ZNRF1
PPP2R5C	3.00E-220	0.405706373	0.717	0.437	8.12E-216	C5	PPP2R5C
STK17B	1.58E-219	0.331914751	0.451	0.21	4.28E-215	C5	STK17B
ATF7IP	4.40E-219	0.325884956	0.433	0.198	1.19E-214	C5	ATF7IP

ZNF217	1.44E-218	0.282734285	0.354	0.144	3.89E-214	C5	ZNF217
SEMA5A	1.98E-218	0.297680482	0.357	0.146	5.36E-214	C5	SEMA5A
GLUD1	2.10E-218	0.344197249	0.528	0.269	5.68E-214	C5	GLUD1
PARD3	3.03E-218	0.291707488	0.346	0.14	8.20E-214	C5	PARD3
VGLL3	4.52E-218	0.328525285	0.399	0.175	1.22E-213	C5	VGLL3
UGCG	1.10E-217	0.402749088	0.642	0.367	2.99E-213	C5	UGCG
XRCC5	1.27E-217	0.352766186	0.991	0.961	3.44E-213	C5	XRCC5
DICER1	1.41E-217	0.333207382	0.459	0.217	3.82E-213	C5	DICER1
CARHSP1	1.71E-217	0.447331569	0.89	0.713	4.64E-213	C5	CARHSP1
CYB5B	1.83E-217	0.425068447	0.781	0.524	4.96E-213	C5	CYB5B
FAM91A1	7.33E-217	0.298253669	0.384	0.164	1.98E-212	C5	FAM91A1
STAT3	3.69E-216	0.336023647	0.535	0.273	9.98E-212	C5	STAT3
IR4435-2H	5.29E-216	0.339026878	0.488	0.239	1.43E-211	C5	IR4435-2H
PBX1	1.44E-215	0.34908249	0.565	0.293	3.89E-211	C5	PBX1
METRNL	3.54E-215	0.350615898	0.461	0.22	9.59E-211	C5	METRNL
DNAJC11	5.54E-215	0.304106523	0.411	0.184	1.50E-210	C5	DNAJC11
NBN	1.84E-214	0.450382835	0.798	0.544	4.98E-210	C5	NBN
TAF15	3.05E-214	0.40177354	0.735	0.46	8.26E-210	C5	TAF15
CLOCK	6.08E-214	0.320748138	0.399	0.177	1.64E-209	C5	CLOCK
ARL8A	6.33E-214	0.287564578	0.354	0.146	1.71E-209	C5	ARL8A
EPS8	1.17E-213	0.391963636	0.643	0.373	3.16E-209	C5	EPS8
CHRA1	1.36E-213	0.364470924	0.586	0.319	3.69E-209	C5	CHRA1
HMG2	5.76E-213	0.420537249	0.885	0.699	1.56E-208	C5	HMG2
PRPF38B	1.20E-212	0.417101658	0.729	0.462	3.25E-208	C5	PRPF38B
VAMP8	1.90E-212	0.252420898	0.261	0.09	5.14E-208	C5	VAMP8
NF1	2.21E-212	0.302102836	0.403	0.179	5.99E-208	C5	NF1
NUP153	2.26E-212	0.252246034	0.292	0.108	6.11E-208	C5	NUP153
SUGP2	2.52E-212	0.383234974	0.641	0.366	6.82E-208	C5	SUGP2
NFAT5	1.82E-211	0.270385719	0.313	0.121	4.92E-207	C5	NFAT5
TMEM65	9.56E-211	0.252564739	0.295	0.11	2.59E-206	C5	TMEM65
KHSRP	3.18E-210	0.337999719	0.536	0.277	8.60E-206	C5	KHSRP
DNAJA11	4.23E-210	0.380497108	0.984	0.905	1.14E-205	C5	DNAJA1
TJP1	4.87E-210	0.325948063	0.508	0.253	1.32E-205	C5	TJP1
CLTB	7.67E-210	0.396046805	0.667	0.387	2.08E-205	C5	CLTB
WNT21	2.27E-209	0.540273381	0.49	0.252	6.15E-205	C5	WNT2
NEAT1	6.65E-209	0.467126964	0.782	0.521	1.80E-204	C5	NEAT1
MAP4K4	2.41E-208	0.395186773	0.692	0.42	6.52E-204	C5	MAP4K4
S1PR3	3.26E-208	0.251273943	0.265	0.094	8.82E-204	C5	S1PR3
IER5	6.19E-208	0.286468295	0.352	0.147	1.68E-203	C5	IER5
ERI1	8.77E-208	0.29997275	0.396	0.176	2.37E-203	C5	ERI1
LRRFIP11	1.24E-207	0.441356689	0.887	0.7	3.35E-203	C5	LRRFIP1
PACSIN2	2.55E-207	0.33312191	0.494	0.246	6.91E-203	C5	PACSIN2
COTL11	3.41E-207	0.444401938	0.884	0.663	9.23E-203	C5	COTL1

HMGA1	3.59E-207	0.410606252	0.977	0.917	9.73E-203	C5	HMGA1
KIFC3	6.60E-207	0.312532177	0.468	0.227	1.79E-202	C5	KIFC3
SCLT1	1.08E-206	0.317360527	0.448	0.212	2.93E-202	C5	SCLT1
ADAM17	1.10E-206	0.283477472	0.356	0.149	2.97E-202	C5	ADAM17
SLC44A1	1.41E-206	0.315076956	0.416	0.191	3.81E-202	C5	SLC44A1
FAM98B	2.26E-206	0.302249772	0.467	0.224	6.12E-202	C5	FAM98B
WWP1	2.77E-206	0.287777901	0.364	0.154	7.49E-202	C5	WWP1
NHLRC2	2.96E-206	0.271949699	0.304	0.118	8.02E-202	C5	NHLRC2
COBLL1	3.95E-206	0.253903247	0.243	0.082	1.07E-201	C5	COBLL1
DST	4.65E-206	0.397283919	0.74	0.461	1.26E-201	C5	DST
CAMK2D	5.60E-205	0.294822836	0.416	0.19	1.52E-200	C5	CAMK2D
PAK1IP1	1.96E-204	0.440667838	0.844	0.618	5.31E-200	C5	PAK1IP1
EFNB2	2.05E-204	0.291741066	0.265	0.095	5.56E-200	C5	EFNB2
NUFIP2	3.33E-204	0.351544541	0.575	0.313	9.02E-200	C5	NUFIP2
TARS	5.05E-204	0.397087413	0.947	0.831	1.37E-199	C5	TARS
TRAPPC10	1.54E-203	0.254564999	0.268	0.097	4.16E-199	C5	TRAPPC10
TUBD1	3.48E-203	0.263918509	0.285	0.107	9.41E-199	C5	TUBD1
PTP4A2	4.22E-203	0.422046701	0.83	0.607	1.14E-198	C5	PTP4A2
GLS	1.19E-202	0.37225346	0.647	0.378	3.21E-198	C5	GLS
ADAR	2.71E-202	0.324081312	0.515	0.263	7.34E-198	C5	ADAR
HDGFL3	3.35E-202	0.382226667	0.692	0.422	9.06E-198	C5	HDGFL3
PREPL	2.56E-201	0.30382535	0.463	0.223	6.94E-197	C5	PREPL
CENPM	4.16E-201	0.371770544	0.739	0.454	1.13E-196	C5	CENPM
BRD4	5.26E-201	0.349518205	0.562	0.305	1.42E-196	C5	BRD4
RBM17	1.23E-200	0.414751716	0.861	0.66	3.34E-196	C5	RBM17
ATP8B1	1.27E-200	0.344647337	0.424	0.199	3.43E-196	C5	ATP8B1
C1orf21	1.28E-200	0.321100253	0.501	0.253	3.47E-196	C5	C1orf21
APAF1	3.21E-200	0.262213357	0.31	0.122	8.69E-196	C5	APAF1
MARF1	3.86E-200	0.268182881	0.302	0.118	1.05E-195	C5	MARF1
TRIM28	4.48E-200	0.380418579	0.698	0.43	1.21E-195	C5	TRIM28
TRMT13	5.55E-200	0.31350755	0.419	0.195	1.50E-195	C5	TRMT13
SIPA1L1	7.28E-200	0.324439015	0.516	0.263	1.97E-195	C5	SIPA1L1
ODC1	3.09E-199	0.367895742	0.596	0.336	8.36E-195	C5	ODC1
CUL2	5.50E-199	0.335175636	0.533	0.282	1.49E-194	C5	CUL2
SUN2	9.72E-199	0.268836445	0.33	0.135	2.63E-194	C5	SUN2
KLF3	9.92E-199	0.298133013	0.407	0.186	2.68E-194	C5	KLF3
REEP3	1.18E-198	0.405643269	0.779	0.522	3.19E-194	C5	REEP3
TSR31	2.06E-198	0.338767025	0.657	0.367	5.58E-194	C5	TSR3
TOMM70	3.00E-198	0.363898905	0.64	0.377	8.11E-194	C5	TOMM70
TTL	4.66E-198	0.289862967	0.411	0.188	1.26E-193	C5	TTL
RRP1B	7.68E-198	0.305525167	0.468	0.23	2.08E-193	C5	RRP1B
UBN1	1.60E-197	0.270702865	0.333	0.138	4.35E-193	C5	UBN1
C6orf106	2.80E-197	0.280787325	0.402	0.182	7.57E-193	C5	C6orf106

GRB2	4.20E-197	0.393376076	0.856	0.635	1.14E-192	C5	GRB2
KLHL5	4.27E-197	0.296843352	0.418	0.194	1.16E-192	C5	KLHL5
JADE1	5.14E-197	0.279371415	0.339	0.142	1.39E-192	C5	JADE1
MPDZ	6.32E-197	0.296291927	0.399	0.181	1.71E-192	C5	MPDZ
SMC21	6.33E-197	0.35803297	0.691	0.415	1.71E-192	C5	SMC2
MFN1	1.30E-196	0.32895921	0.477	0.24	3.52E-192	C5	MFN1
SRPK1	1.47E-196	0.364201448	0.632	0.371	3.98E-192	C5	SRPK1
RCOR1	2.68E-196	0.269110294	0.331	0.137	7.25E-192	C5	RCOR1
DDX211	3.96E-196	0.454716049	0.873	0.691	1.07E-191	C5	DDX21
USP3	5.88E-196	0.320238653	0.473	0.236	1.59E-191	C5	USP3
PCID2	6.18E-196	0.387340953	0.659	0.401	1.67E-191	C5	PCID2
ATP6V1C1	1.17E-195	0.325859941	0.485	0.247	3.17E-191	C5	ATP6V1C1
SPCS3	3.76E-195	0.392079753	0.974	0.896	1.02E-190	C5	SPCS3
MYCBP2	4.57E-195	0.27905033	0.346	0.147	1.24E-190	C5	MYCBP2
SCMH1	2.91E-194	0.263969862	0.326	0.135	7.88E-190	C5	SCMH1
NFYB	4.34E-194	0.341433399	0.556	0.301	1.17E-189	C5	NFYB
RPL4	4.91E-194	0.285732812	1	0.999	1.33E-189	C5	RPL4
PTTG1IP	5.08E-194	0.375394091	0.967	0.847	1.38E-189	C5	PTTG1IP
TBX2	5.51E-194	0.258101871	0.26	0.095	1.49E-189	C5	TBX2
RPL39L	7.57E-194	0.3526696	0.649	0.381	2.05E-189	C5	RPL39L
SDC4	9.71E-194	0.387705442	0.677	0.416	2.63E-189	C5	SDC4
DSE	1.08E-193	0.398010817	0.746	0.489	2.92E-189	C5	DSE
STAT1	1.32E-193	0.346241805	0.568	0.314	3.56E-189	C5	STAT1
MAN2A1	1.41E-193	0.292329864	0.414	0.192	3.82E-189	C5	MAN2A1
XPC	1.55E-193	0.357757323	0.595	0.336	4.20E-189	C5	XPC
PITRM1	2.00E-193	0.343270984	0.6	0.343	5.40E-189	C5	PITRM1
CAPRIN1	4.73E-193	0.396142098	0.832	0.595	1.28E-188	C5	CAPRIN1
SUCO	6.77E-193	0.31453217	0.415	0.196	1.83E-188	C5	SUCO
MAP7D1	9.96E-193	0.357086091	0.625	0.363	2.70E-188	C5	MAP7D1
KIF13A	1.02E-192	0.281059504	0.324	0.134	2.77E-188	C5	KIF13A
CRNKL1	1.21E-192	0.304559954	0.429	0.205	3.27E-188	C5	CRNKL1
VAPA	2.71E-192	0.373957115	0.973	0.911	7.32E-188	C5	VAPA
EML4	5.68E-192	0.402032288	0.78	0.529	1.54E-187	C5	EML4
WWC2	6.39E-192	0.276305982	0.376	0.167	1.73E-187	C5	WWC2
HOXA11	1.07E-191	0.259267405	0.298	0.118	2.90E-187	C5	HOXA11
DCP2	1.90E-191	0.267305467	0.344	0.147	5.16E-187	C5	DCP2
PPFIA1	2.99E-191	0.259687777	0.32	0.131	8.09E-187	C5	PPFIA1
MAP2K2	6.44E-191	0.337818621	0.62	0.35	1.74E-186	C5	MAP2K2
DVL3	4.15E-190	0.297742626	0.434	0.209	1.12E-185	C5	DVL3
PRKCI	5.78E-190	0.308193876	0.515	0.268	1.57E-185	C5	PRKCI
CNOT3	7.44E-190	0.285071519	0.396	0.183	2.01E-185	C5	CNOT3
FAF1	8.38E-190	0.272505761	0.35	0.151	2.27E-185	C5	FAF1
PSD3	9.04E-190	0.304657619	0.478	0.238	2.45E-185	C5	PSD3

SRSF91	1.12E-189	0.395732876	0.915	0.732	3.04E-185	C5	SRSF9
PPP4R3A	1.31E-189	0.267329472	0.348	0.15	3.54E-185	C5	PPP4R3A
TIMELESS	2.19E-189	0.254103877	0.321	0.133	5.92E-185	C5	TIMELESS
SPRYD7	2.48E-189	0.371684802	0.651	0.391	6.71E-185	C5	SPRYD7
SAV1	2.69E-189	0.272313164	0.349	0.151	7.28E-185	C5	SAV1
GABPB1	3.56E-189	0.300896464	0.443	0.216	9.65E-185	C5	GABPB1
AP1G1	4.84E-189	0.266330266	0.378	0.169	1.31E-184	C5	AP1G1
MYO1B	7.15E-189	0.39144802	0.699	0.439	1.94E-184	C5	MYO1B
LAS1L	9.91E-189	0.340004659	0.541	0.295	2.68E-184	C5	LAS1L
SCAF8	1.26E-188	0.266540782	0.338	0.144	3.40E-184	C5	SCAF8
PDP1	9.83E-188	0.314864032	0.461	0.23	2.66E-183	C5	PDP1
CMC21	1.04E-187	0.395341969	0.879	0.684	2.81E-183	C5	CMC2
MAPRE1	1.08E-187	0.379706188	0.762	0.513	2.93E-183	C5	MAPRE1
TNKS2	1.62E-187	0.25116365	0.303	0.122	4.38E-183	C5	TNKS2
TOR1AIP2	2.09E-187	0.304937996	0.499	0.257	5.67E-183	C5	TOR1AIP2
C9orf40	5.61E-187	0.278024477	0.364	0.161	1.52E-182	C5	C9orf40
JPT11	1.21E-186	0.308066421	0.999	0.992	3.28E-182	C5	JPT1
RNF145	2.17E-186	0.297862468	0.434	0.212	5.88E-182	C5	RNF145
GTF2F2	2.78E-186	0.374746464	0.704	0.443	7.52E-182	C5	GTF2F2
PTK2	3.87E-186	0.297644658	0.447	0.221	1.05E-181	C5	PTK2
CD812	6.42E-186	0.379333453	0.894	0.667	1.74E-181	C5	CD81
DHFR	9.30E-186	0.297948673	0.505	0.263	2.52E-181	C5	DHFR
WNK1	9.58E-186	0.294689867	0.475	0.241	2.59E-181	C5	WNK1
ASH2L	1.05E-185	0.30485817	0.463	0.233	2.85E-181	C5	ASH2L
TMED5	5.59E-185	0.359476452	0.683	0.427	1.51E-180	C5	TMED5
ATF6	1.16E-184	0.324685396	0.53	0.285	3.14E-180	C5	ATF6
HIST1H1C	6.04E-184	0.417027532	0.48	0.256	1.63E-179	C5	HIST1H1C
AGPAT3	1.02E-183	0.268375173	0.36	0.159	2.76E-179	C5	AGPAT3
ZBTB38	1.14E-183	0.394034725	0.779	0.532	3.09E-179	C5	ZBTB38
HSD17B11	1.32E-183	0.362121818	0.625	0.373	3.57E-179	C5	HSD17B11
TMEM160	2.16E-183	0.400940267	0.89	0.714	5.86E-179	C5	TMEM160
BDKRB1	3.00E-183	0.378407705	0.738	0.455	8.13E-179	C5	BDKRB1
RALBP1	3.09E-183	0.38033285	0.781	0.533	8.37E-179	C5	RALBP1
CPSF2	1.32E-182	0.335037705	0.593	0.34	3.58E-178	C5	CPSF2
CYB5A	1.42E-182	0.482264261	0.867	0.711	3.85E-178	C5	CYB5A
UBE2M1	4.17E-182	0.327767793	0.636	0.36	1.13E-177	C5	UBE2M
ATP11C	4.71E-182	0.263115864	0.322	0.136	1.28E-177	C5	ATP11C
ZCCHC8	5.08E-182	0.257002757	0.326	0.139	1.37E-177	C5	ZCCHC8
CORO1C	5.28E-182	0.386388428	0.853	0.655	1.43E-177	C5	CORO1C
RIF1	9.73E-182	0.286343737	0.43	0.209	2.64E-177	C5	RIF1
PRIM1	1.10E-181	0.270224216	0.36	0.161	2.98E-177	C5	PRIM1
TGS1	1.20E-181	0.326157728	0.533	0.289	3.25E-177	C5	TGS1
USP7	1.25E-181	0.322898594	0.582	0.328	3.38E-177	C5	USP7

SNTB2	1.49E-181	0.280421454	0.39	0.181	4.02E-177	C5	SNTB2
GPALPP1	2.01E-181	0.312375521	0.492	0.258	5.44E-177	C5	GPALPP1
RNF4	3.24E-181	0.298823816	0.493	0.258	8.77E-177	C5	RNF4
CDKN1C	1.98E-180	0.354299575	0.399	0.187	5.37E-176	C5	CDKN1C
RYK	2.49E-180	0.290319527	0.426	0.208	6.75E-176	C5	RYK
ADSS	4.17E-180	0.320990095	0.548	0.305	1.13E-175	C5	ADSS
SSU72	5.17E-180	0.392318376	0.852	0.65	1.40E-175	C5	SSU72
NIPBL	2.73E-179	0.31842246	0.529	0.286	7.40E-175	C5	NIPBL
HYOU1	3.48E-179	0.293417102	0.456	0.23	9.42E-175	C5	HYOU1
SPSB1	3.70E-179	0.279880233	0.378	0.174	1.00E-174	C5	SPSB1
ZWILCH	5.94E-179	0.304231062	0.508	0.269	1.61E-174	C5	ZWILCH
TACC1	6.20E-179	0.31543592	0.526	0.288	1.68E-174	C5	TACC1
C5orf51	7.54E-179	0.271085682	0.39	0.182	2.04E-174	C5	C5orf51
AFF4	8.71E-179	0.318583704	0.574	0.319	2.36E-174	C5	AFF4
STK4	1.01E-178	0.280220048	0.424	0.205	2.74E-174	C5	STK4
TDP2	1.05E-178	0.312297305	0.523	0.284	2.85E-174	C5	TDP2
TFPI21	2.00E-178	0.422600038	0.785	0.531	5.42E-174	C5	TFPI2
GNAI3	3.07E-178	0.373509243	0.878	0.701	8.31E-174	C5	GNAI3
PDCD2	3.85E-178	0.336972297	0.658	0.388	1.04E-173	C5	PDCD2
ANKRD12	4.28E-178	0.302769999	0.496	0.259	1.16E-173	C5	ANKRD12
ZCCHC17	9.29E-178	0.374310181	0.773	0.532	2.51E-173	C5	ZCCHC17
PPP1R15B	2.50E-177	0.253187225	0.33	0.143	6.78E-173	C5	PPP1R15B
PPP1R14B2	3.37E-177	0.377487478	0.91	0.691	9.12E-173	C5	PPP1R14B
CGGBP1	4.25E-177	0.360361241	0.754	0.508	1.15E-172	C5	CGGBP1
RANBP9	5.30E-177	0.278442548	0.414	0.2	1.44E-172	C5	RANBP9
CYFIP1	8.51E-177	0.302960483	0.512	0.276	2.30E-172	C5	CYFIP1
ACO1	1.37E-176	0.363425077	0.666	0.42	3.70E-172	C5	ACO1
PTEN	2.04E-176	0.29948232	0.504	0.269	5.53E-172	C5	PTEN
MMGT1	3.80E-176	0.257547719	0.355	0.159	1.03E-171	C5	MMGT1
PMM2	4.92E-176	0.291530615	0.436	0.217	1.33E-171	C5	PMM2
NSD1	5.45E-176	0.306571503	0.471	0.244	1.48E-171	C5	NSD1
KIF1B	2.65E-175	0.254316464	0.343	0.151	7.17E-171	C5	KIF1B
DEK1	2.93E-175	0.360475906	0.978	0.862	7.93E-171	C5	DEK
COLEC12	4.20E-175	0.375233667	0.435	0.221	1.14E-170	C5	COLEC12
GOLIM4	6.24E-175	0.347202841	0.654	0.4	1.69E-170	C5	GOLIM4
RBM8A1	9.00E-175	0.318522631	0.998	0.975	2.44E-170	C5	RBM8A
FNBP1	1.63E-174	0.267980532	0.393	0.185	4.42E-170	C5	FNBP1
TUBGCP2	2.40E-174	0.332761312	0.601	0.353	6.49E-170	C5	TUBGCP2
OTUD5	3.29E-174	0.288820741	0.437	0.217	8.90E-170	C5	OTUD5
LIN7C	4.03E-174	0.285487231	0.438	0.219	1.09E-169	C5	LIN7C
PKDCC	4.62E-174	0.270551849	0.325	0.141	1.25E-169	C5	PKDCC
CD109	5.03E-174	0.28669441	0.442	0.221	1.36E-169	C5	CD109
ZNF638	7.74E-174	0.355483427	0.618	0.37	2.10E-169	C5	ZNF638

TRA2B	1.88E-173	0.370171964	0.89	0.721	5.09E-169	C5	TRA2B
PTPRF	2.51E-173	0.309866348	0.531	0.289	6.81E-169	C5	PTPRF
CDCP1	3.39E-173	0.270467823	0.374	0.172	9.16E-169	C5	CDCP1
STX2	1.28E-172	0.321909889	0.55	0.312	3.46E-168	C5	STX2
THOP1	1.53E-172	0.286613067	0.453	0.231	4.15E-168	C5	THOP1
PPP4R3B	1.91E-172	0.331560874	0.553	0.315	5.16E-168	C5	PPP4R3B
DDB1	1.99E-172	0.353727698	0.74	0.488	5.39E-168	C5	DDB1
TRIP131	3.18E-172	0.304871572	0.604	0.347	8.62E-168	C5	TRIP13
PPP3CB	6.67E-172	0.268063847	0.388	0.185	1.81E-167	C5	PPP3CB
YAP1	6.92E-172	0.294936978	0.467	0.243	1.87E-167	C5	YAP1
JAM3	8.92E-172	0.256985407	0.341	0.152	2.41E-167	C5	JAM3
CSNK1G2	1.57E-171	0.273442813	0.39	0.186	4.24E-167	C5	CSNK1G2
PHF3	5.52E-171	0.337108886	0.585	0.342	1.49E-166	C5	PHF3
EIF51	7.03E-171	0.362570361	0.971	0.899	1.90E-166	C5	EIF5
TMEM97	7.36E-171	0.316916429	0.558	0.314	1.99E-166	C5	TMEM97
CSE1L	8.74E-171	0.32373117	0.665	0.41	2.37E-166	C5	CSE1L
ERLIN2	9.52E-171	0.275396378	0.433	0.216	2.58E-166	C5	ERLIN2
HDGFL2	1.17E-170	0.287672219	0.434	0.219	3.18E-166	C5	HDGFL2
HIPK2	1.59E-170	0.263321919	0.341	0.152	4.30E-166	C5	HIPK2
DIAPH1	1.87E-170	0.250750743	0.335	0.148	5.07E-166	C5	DIAPH1
EIF1AY	4.14E-170	0.276479325	0.309	0.129	1.12E-165	C5	EIF1AY
ZNF148	4.18E-170	0.297288722	0.467	0.242	1.13E-165	C5	ZNF148
PNO1	8.20E-170	0.3699422	0.727	0.483	2.22E-165	C5	PNO1
ELOVL6	8.77E-170	0.343601498	0.636	0.385	2.37E-165	C5	ELOVL6
NRDC	4.22E-169	0.361134028	0.761	0.524	1.14E-164	C5	NRDC
PTMS1	5.89E-169	0.392872976	0.896	0.7	1.59E-164	C5	PTMS
CDCA7L	6.16E-169	0.301341103	0.516	0.283	1.67E-164	C5	CDCA7L
USP14	8.63E-169	0.370462204	0.789	0.566	2.34E-164	C5	USP14
C12orf65	9.67E-169	0.339093918	0.594	0.349	2.62E-164	C5	C12orf65
HMGXB4	1.11E-168	0.325512264	0.577	0.334	3.01E-164	C5	HMGXB4
NUP54	1.13E-168	0.320348772	0.642	0.391	3.07E-164	C5	NUP54
SMU1	1.18E-168	0.329909002	0.631	0.383	3.19E-164	C5	SMU1
ARMC10	2.04E-168	0.265602502	0.372	0.174	5.53E-164	C5	ARMC10
SLU7	2.88E-168	0.343813597	0.678	0.429	7.78E-164	C5	SLU7
SLC30A9	2.51E-167	0.313887397	0.624	0.374	6.79E-163	C5	SLC30A9
SEC14L1	2.64E-167	0.279159557	0.444	0.226	7.14E-163	C5	SEC14L1
NR2F2	2.80E-167	0.399633682	0.743	0.505	7.57E-163	C5	NR2F2
TDP1	3.29E-167	0.265438928	0.394	0.19	8.89E-163	C5	TDP1
ANKRD17	3.69E-167	0.301386441	0.478	0.252	1.00E-162	C5	ANKRD17
SDCCAG3	3.80E-167	0.263873553	0.361	0.167	1.03E-162	C5	SDCCAG3
PTGR1	5.45E-167	0.456873894	0.846	0.674	1.48E-162	C5	PTGR1
CTNNA1	5.56E-167	0.366494443	0.747	0.517	1.50E-162	C5	CTNNA1
PITX2	6.59E-167	0.368473277	0.679	0.425	1.79E-162	C5	PITX2

IPO7	1.21E-166	0.328471499	0.659	0.411	3.29E-162	C5	IPO7
NFX1	1.63E-166	0.273307864	0.399	0.194	4.40E-162	C5	NFX1
ORC3	4.78E-166	0.31191712	0.548	0.312	1.29E-161	C5	ORC3
SENP2	7.47E-166	0.25939714	0.374	0.176	2.02E-161	C5	SENP2
ECPAS	9.95E-166	0.273752525	0.43	0.217	2.69E-161	C5	ECPAS
PSMD5	1.46E-165	0.273340182	0.456	0.237	3.94E-161	C5	PSMD5
RAP2B	1.54E-165	0.258779928	0.379	0.181	4.18E-161	C5	RAP2B
IGF2BP3	2.73E-165	0.275987359	0.433	0.218	7.39E-161	C5	IGF2BP3
RBM19	3.67E-165	0.287800364	0.386	0.187	9.93E-161	C5	RBM19
VEGFB	4.24E-165	0.28719454	0.433	0.218	1.15E-160	C5	VEGFB
ZNF664	6.28E-165	0.252270805	0.377	0.178	1.70E-160	C5	ZNF664
FNDC3B	8.85E-165	0.337764656	0.732	0.476	2.40E-160	C5	FNDC3B
ZFAND3	1.01E-164	0.251057857	0.351	0.161	2.73E-160	C5	ZFAND3
FER	1.57E-164	0.256484369	0.323	0.143	4.25E-160	C5	FER
ARHGAP18	3.19E-164	0.347510885	0.612	0.373	8.63E-160	C5	ARHGAP18
CDK17	4.57E-164	0.252957742	0.37	0.174	1.24E-159	C5	CDK17
STIP1	5.04E-164	0.363884645	0.868	0.68	1.36E-159	C5	STIP1
CCNC	9.97E-164	0.330456314	0.605	0.367	2.70E-159	C5	CCNC
MED1	1.65E-163	0.266946823	0.388	0.189	4.47E-159	C5	MED1
MT-ND4L1	4.17E-163	0.333904861	0.995	0.961	1.13E-158	C5	MT-ND4L
GNAI1	5.69E-163	0.295793406	0.495	0.27	1.54E-158	C5	GNAI1
CCDC6	1.26E-162	0.27910481	0.451	0.234	3.40E-158	C5	CCDC6
GXYLT1	2.00E-162	0.254857441	0.326	0.146	5.41E-158	C5	GXYLT1
PDE4DIP	2.36E-162	0.30269215	0.492	0.268	6.40E-158	C5	PDE4DIP
EXOSC81	2.51E-162	0.348606605	0.92	0.749	6.80E-158	C5	EXOSC8
GALNT2	3.63E-162	0.315917352	0.715	0.455	9.82E-158	C5	GALNT2
PABPC4	3.85E-162	0.307988084	0.594	0.351	1.04E-157	C5	PABPC4
CCDC50	4.73E-162	0.340399241	0.664	0.422	1.28E-157	C5	CCDC50
GALNT1	1.06E-161	0.336830408	0.604	0.366	2.87E-157	C5	GALNT1
PHLDA3	1.56E-161	0.312707562	0.531	0.301	4.23E-157	C5	PHLDA3
JUND	1.90E-161	0.261775653	0.382	0.184	5.15E-157	C5	JUND
PRPS2	3.50E-161	0.263187924	0.384	0.186	9.48E-157	C5	PRPS2
THBS1	7.68E-161	0.513174061	0.707	0.488	2.08E-156	C5	THBS1
IMPA2	1.44E-160	0.295135869	0.549	0.312	3.90E-156	C5	IMPA2
DDX46	1.60E-160	0.350300709	0.713	0.473	4.34E-156	C5	DDX46
NENF1	1.74E-160	0.272809337	0.649	0.366	4.71E-156	C5	NENF
TIMM10	2.14E-160	0.371303998	0.925	0.772	5.81E-156	C5	TIMM10
SRRT	2.71E-160	0.319417005	0.62	0.38	7.35E-156	C5	SRRT
TRAM2	3.37E-160	0.335496642	0.728	0.476	9.12E-156	C5	TRAM2
BDNF	7.19E-160	0.336583857	0.514	0.281	1.95E-155	C5	BDNF
DRAM1	7.50E-160	0.25065951	0.362	0.17	2.03E-155	C5	DRAM1
SLC38A2	2.19E-159	0.377437378	0.945	0.824	5.93E-155	C5	SLC38A2
THOC1	4.07E-159	0.274656946	0.462	0.243	1.10E-154	C5	THOC1

NLN	1.43E-158	0.307776574	0.53	0.301	3.88E-154	C5	NLN
AC244153.1	5.05E-158	0.259399268	0.394	0.193	1.37E-153	C5	AC244153.1
KPNA1	5.87E-158	0.273596731	0.459	0.243	1.59E-153	C5	KPNA1
PTPN14	1.55E-157	0.289957482	0.566	0.326	4.21E-153	C5	PTPN14
HMGXB3	1.73E-157	0.282334916	0.473	0.255	4.69E-153	C5	HMGXB3
LTBP1	2.02E-157	0.341211418	0.636	0.398	5.47E-153	C5	LTBP1
PNRC2	2.38E-157	0.307618922	0.594	0.357	6.45E-153	C5	PNRC2
SETD2	2.68E-157	0.307109603	0.546	0.313	7.25E-153	C5	SETD2
KIF1BP	2.72E-157	0.304557239	0.561	0.327	7.36E-153	C5	KIF1BP
KATNA1	3.80E-157	0.265351654	0.393	0.195	1.03E-152	C5	KATNA1
SBNO1	5.20E-157	0.28088862	0.436	0.226	1.41E-152	C5	SBNO1
VPS26A	6.82E-157	0.319971494	0.66	0.416	1.85E-152	C5	VPS26A
DKC1	8.76E-157	0.345957959	0.749	0.511	2.37E-152	C5	DKC1
HNRNPUL	1.32E-156	0.314146127	0.653	0.412	3.58E-152	C5	HNRNPUL
IDH3A	1.33E-156	0.293123797	0.551	0.316	3.59E-152	C5	IDH3A
ZC3H7A	7.24E-156	0.286885772	0.512	0.288	1.96E-151	C5	ZC3H7A
NRAS	7.66E-156	0.331814464	0.745	0.504	2.07E-151	C5	NRAS
MYH10	8.40E-156	0.314031495	0.618	0.372	2.28E-151	C5	MYH10
TNFAIP1	1.50E-155	0.282218703	0.459	0.245	4.07E-151	C5	TNFAIP1
PAPPA	2.78E-155	0.261125559	0.308	0.135	7.52E-151	C5	PAPPA
EMC9	3.33E-155	0.286148948	0.537	0.304	9.03E-151	C5	EMC9
WDR3	3.51E-155	0.30002427	0.487	0.268	9.49E-151	C5	WDR3
ADIPOR2	4.39E-155	0.277008927	0.472	0.255	1.19E-150	C5	ADIPOR2
SLC25A24	7.98E-155	0.309438253	0.633	0.391	2.16E-150	C5	SLC25A24
MGAT4B	1.12E-154	0.255581538	0.422	0.215	3.04E-150	C5	MGAT4B
FLNB	1.54E-154	0.295216501	0.551	0.316	4.18E-150	C5	FLNB
CREB3L2	3.36E-154	0.254667531	0.423	0.216	9.11E-150	C5	CREB3L2
UBAC1	4.81E-154	0.272986311	0.45	0.238	1.30E-149	C5	UBAC1
NAA50	5.13E-154	0.349886732	0.784	0.561	1.39E-149	C5	NAA50
LDLR	6.46E-154	0.266904539	0.391	0.195	1.75E-149	C5	LDLR
TWSG1	8.74E-154	0.357940274	0.776	0.543	2.37E-149	C5	TWSG1
HNRNPR1	8.86E-154	0.319331645	0.968	0.884	2.40E-149	C5	HNRNPR
CREB1	2.02E-153	0.251719888	0.373	0.182	5.46E-149	C5	CREB1
ARHGAP17	2.26E-153	0.255465592	0.4	0.2	6.11E-149	C5	ARHGAP17
MED15	2.34E-153	0.300491458	0.543	0.314	6.32E-149	C5	MED15
NOL11	2.58E-153	0.26931278	0.464	0.249	6.99E-149	C5	NOL11
CCDC88A	4.93E-153	0.330765126	0.682	0.439	1.33E-148	C5	CCDC88A
NUP62	6.62E-153	0.295433973	0.583	0.346	1.79E-148	C5	NUP62
ANKRD28	1.35E-152	0.29006138	0.473	0.258	3.65E-148	C5	ANKRD28
DPP4	1.65E-152	0.296206597	0.609	0.364	4.47E-148	C5	DPP4
FAM126A	1.70E-152	0.279547997	0.505	0.28	4.61E-148	C5	FAM126A
SLC2A4RG	1.90E-152	0.317296894	0.663	0.422	5.14E-148	C5	SLC2A4RG
SACS	2.06E-152	0.279733533	0.438	0.229	5.57E-148	C5	SACS

BMP4	2.13E-152	0.296225434	0.315	0.141	5.76E-148	C5	BMP4
RAB22A	2.25E-152	0.255351129	0.396	0.198	6.09E-148	C5	RAB22A
SCFD1	2.95E-152	0.365642328	0.872	0.708	7.99E-148	C5	SCFD1
USP15	5.64E-152	0.294157243	0.527	0.302	1.53E-147	C5	USP15
STAG1	6.07E-152	0.258526906	0.426	0.22	1.64E-147	C5	STAG1
AZIN1	6.81E-152	0.297340434	0.565	0.335	1.84E-147	C5	AZIN1
MDFIC	6.84E-152	0.282606202	0.428	0.223	1.85E-147	C5	MDFIC
PDGFRB	9.27E-152	0.285150877	0.482	0.264	2.51E-147	C5	PDGFRB
ZFP91	1.11E-151	0.258650936	0.368	0.18	3.01E-147	C5	ZFP91
KDM5A	1.54E-151	0.268607614	0.419	0.215	4.16E-147	C5	KDM5A
APTX	1.74E-151	0.274779178	0.462	0.249	4.71E-147	C5	APTX
ENG	2.65E-151	0.323654928	0.645	0.41	7.17E-147	C5	ENG
PCNA1	3.55E-151	0.325267895	0.868	0.661	9.61E-147	C5	PCNA
BCAR1	7.05E-151	0.258664657	0.425	0.221	1.91E-146	C5	BCAR1
STT3B	1.85E-150	0.265823442	0.478	0.26	5.00E-146	C5	STT3B
MT-ND3	2.98E-150	0.293426987	1	0.996	8.08E-146	C5	MT-ND3
IARS2	4.37E-150	0.313142867	0.665	0.427	1.18E-145	C5	IARS2
ANKRD13A	5.32E-150	0.256080851	0.367	0.18	1.44E-145	C5	ANKRD13A
DNAJC21	5.92E-150	0.290824202	0.572	0.332	1.60E-145	C5	DNAJC21
BCL2L121	1.39E-149	0.276436705	0.579	0.339	3.78E-145	C5	BCL2L12
PURB	1.54E-149	0.267680606	0.434	0.228	4.17E-145	C5	PURB
ETS1	1.70E-149	0.254497019	0.384	0.191	4.61E-145	C5	ETS1
PTBP1	2.35E-149	0.30539592	0.636	0.399	6.35E-145	C5	PTBP1
HDAC1	3.05E-149	0.315348507	0.656	0.421	8.27E-145	C5	HDAC1
PMF1	5.92E-149	0.290849308	0.601	0.363	1.60E-144	C5	PMF1
MAPK1	7.44E-149	0.265756986	0.444	0.237	2.01E-144	C5	MAPK1
PAFAH1B1	7.99E-149	0.342910494	0.873	0.706	2.16E-144	C5	PAFAH1B1
FGFR1	1.34E-148	0.293810697	0.555	0.329	3.63E-144	C5	FGFR1
PCLAF	1.38E-148	0.337068537	0.932	0.782	3.74E-144	C5	PCLAF
TRIOBP	1.80E-148	0.311670109	0.621	0.388	4.88E-144	C5	TRIOBP
GAS6	2.05E-148	0.336914703	0.658	0.422	5.56E-144	C5	GAS6
COG2	2.42E-148	0.251876792	0.371	0.182	6.56E-144	C5	COG2
TMEM106C	2.48E-148	0.33208238	0.726	0.496	6.71E-144	C5	TMEM106C
NNMT1	6.72E-148	0.285671275	0.998	0.999	1.82E-143	C5	NNMT
NID1	6.85E-148	0.257901588	0.381	0.19	1.85E-143	C5	NID1
MAN1A2	7.66E-148	0.270164831	0.464	0.252	2.07E-143	C5	MAN1A2
RHNO1	7.89E-148	0.257520341	0.445	0.236	2.14E-143	C5	RHNO1
USP34	1.22E-147	0.254915414	0.41	0.21	3.29E-143	C5	USP34
HBS1L	2.37E-147	0.309647302	0.621	0.389	6.42E-143	C5	HBS1L
POLD3	3.52E-147	0.279841146	0.465	0.251	9.54E-143	C5	POLD3
PHC2	4.41E-147	0.256460312	0.36	0.176	1.20E-142	C5	PHC2
DDX17	1.08E-146	0.322866051	0.713	0.474	2.93E-142	C5	DDX17
RPS6KB1	1.47E-146	0.261021903	0.405	0.208	3.99E-142	C5	RPS6KB1

ARHGDIA	1.53E-146	0.326460493	0.962	0.881	4.13E-142	C5	ARHGDIA
FZD6	1.55E-146	0.274322692	0.412	0.215	4.21E-142	C5	FZD6
POLR2B	2.54E-146	0.318933853	0.761	0.511	6.87E-142	C5	POLR2B
SPIN1	5.54E-146	0.26682367	0.526	0.301	1.50E-141	C5	SPIN1
FAM129B	1.13E-145	0.273089577	0.492	0.276	3.06E-141	C5	FAM129B
PRMT3	1.54E-145	0.261924133	0.39	0.198	4.17E-141	C5	PRMT3
DHX29	2.68E-145	0.358203005	0.739	0.514	7.26E-141	C5	DHX29
LRPPRC	2.97E-145	0.26399509	0.457	0.249	8.04E-141	C5	LRPPRC
SRSF3	3.08E-145	0.298950988	0.988	0.942	8.34E-141	C5	SRSF3
TRIM8	7.68E-145	0.263245172	0.415	0.218	2.08E-140	C5	TRIM8
PTPN1	1.13E-144	0.30319644	0.649	0.412	3.07E-140	C5	PTPN1
ZMYM4	7.35E-144	0.260074294	0.418	0.219	1.99E-139	C5	ZMYM4
ATP5F1D1	2.41E-143	0.339016976	0.926	0.814	6.54E-139	C5	ATP5F1D
UHMK1	3.17E-143	0.253108932	0.444	0.238	8.58E-139	C5	UHMK1
RIC8A	3.85E-143	0.309158782	0.685	0.455	1.04E-138	C5	RIC8A
RPS4Y11	4.81E-143	0.412027824	0.494	0.265	1.30E-138	C5	RPS4Y1
RAB10	5.76E-143	0.32232256	0.777	0.562	1.56E-138	C5	RAB10
IRAK1	5.96E-143	0.251800498	0.433	0.229	1.61E-138	C5	IRAK1
GINS4	3.23E-142	0.257267207	0.465	0.252	8.75E-138	C5	GINS4
NMI	3.67E-142	0.271905066	0.467	0.257	9.93E-138	C5	NMI
MAP4	5.56E-142	0.336282607	0.886	0.726	1.50E-137	C5	MAP4
TFAM	8.13E-142	0.311758553	0.71	0.469	2.20E-137	C5	TFAM
EXOC3	1.19E-141	0.252212905	0.358	0.177	3.23E-137	C5	EXOC3
NMT2	1.51E-141	0.265638397	0.432	0.233	4.10E-137	C5	NMT2
LRR1	4.32E-141	0.289362755	0.654	0.413	1.17E-136	C5	LRR1
INIP	4.76E-141	0.250376796	0.413	0.216	1.29E-136	C5	INIP
SAAL1	8.46E-141	0.257546845	0.49	0.274	2.29E-136	C5	SAAL1
HAUS2	2.16E-140	0.269634468	0.507	0.289	5.85E-136	C5	HAUS2
FAM173A	2.39E-140	0.266498485	0.469	0.259	6.46E-136	C5	FAM173A
KCTD20	3.13E-140	0.262114161	0.49	0.277	8.47E-136	C5	KCTD20
RHOBTB3	4.41E-140	0.380217128	0.827	0.654	1.19E-135	C5	RHOBTB3
SNHG5	7.17E-140	0.268851467	0.941	0.744	1.94E-135	C5	SNHG5
DR1	1.32E-139	0.291700257	0.614	0.385	3.57E-135	C5	DR1
SDF4	1.50E-139	0.311949874	0.687	0.449	4.06E-135	C5	SDF4
PAFAH1B2	1.65E-139	0.258383845	0.498	0.284	4.45E-135	C5	PAFAH1B2
GNG12	1.86E-139	0.340482333	0.863	0.703	5.04E-135	C5	GNG12
STMN11	4.02E-139	0.277210001	1	0.972	1.09E-134	C5	STMN1
PHLDB2	4.62E-139	0.264752293	0.473	0.263	1.25E-134	C5	PHLDB2
DDB2	4.81E-139	0.270819398	0.447	0.245	1.30E-134	C5	DDB2
ASCC2	5.44E-139	0.286807281	0.574	0.349	1.47E-134	C5	ASCC2
TMEM30A	8.43E-139	0.340630277	0.768	0.552	2.28E-134	C5	TMEM30A
LSM14A	1.75E-138	0.300773455	0.641	0.414	4.74E-134	C5	LSM14A
NCAPH2	4.72E-138	0.250513778	0.394	0.205	1.28E-133	C5	NCAPH2

FNDC3A	5.81E-138	0.267897602	0.447	0.246	1.57E-133	C5	FNDC3A
UBA2	8.21E-138	0.297170461	0.696	0.466	2.22E-133	C5	UBA2
PTTG11	1.07E-137	0.30262997	0.997	0.92	2.90E-133	C5	PTTG1
SPAG9	2.04E-137	0.267251863	0.499	0.285	5.53E-133	C5	SPAG9
EIF4G1	2.27E-137	0.315995372	0.81	0.592	6.14E-133	C5	EIF4G1
UBE2R2	3.58E-137	0.29626498	0.667	0.437	9.70E-133	C5	UBE2R2
CDC42EP3	4.60E-137	0.331214168	0.816	0.593	1.25E-132	C5	CDC42EP3
HSPA9	5.80E-137	0.332145978	0.899	0.76	1.57E-132	C5	HSPA9
NUDT15	8.05E-137	0.284865151	0.602	0.375	2.18E-132	C5	NUDT15
CALCOCO2	8.20E-137	0.288210242	0.615	0.388	2.22E-132	C5	CALCOCO2
BAZ1B	1.02E-136	0.291858007	0.654	0.418	2.77E-132	C5	BAZ1B
ACBD3	1.24E-136	0.288442645	0.617	0.38	3.35E-132	C5	ACBD3
WDR5	2.60E-136	0.256990012	0.435	0.236	7.03E-132	C5	WDR5
TPM3	3.81E-136	0.271376179	0.997	0.979	1.03E-131	C5	TPM3
TOPORS	8.32E-136	0.270207169	0.54	0.319	2.25E-131	C5	TOPORS
DCAF7	1.06E-135	0.260642232	0.5	0.288	2.87E-131	C5	DCAF7
ZADH2	2.52E-135	0.263267341	0.441	0.242	6.81E-131	C5	ZADH2
EXOC1	3.95E-135	0.264900148	0.51	0.295	1.07E-130	C5	EXOC1
RAD1	4.60E-135	0.274203254	0.532	0.316	1.25E-130	C5	RAD1
FNBP4	8.04E-135	0.267612612	0.54	0.321	2.18E-130	C5	FNBP4
VKORC1L1	1.01E-134	0.257010001	0.486	0.276	2.73E-130	C5	VKORC1L1
INPP1	1.01E-134	0.251565844	0.426	0.229	2.73E-130	C5	INPP1
CCBE1	1.32E-134	0.252740093	0.385	0.198	3.57E-130	C5	CCBE1
HNRNPL	2.00E-134	0.272523611	0.599	0.372	5.42E-130	C5	HNRNPL
FUBP3	2.56E-134	0.257671557	0.456	0.253	6.94E-130	C5	FUBP3
CENPN	2.65E-134	0.304437997	0.785	0.555	7.18E-130	C5	CENPN
RSL1D1	5.50E-134	0.326032032	0.973	0.919	1.49E-129	C5	RSL1D1
ZCCHC11	8.87E-134	0.258903747	0.462	0.257	2.40E-129	C5	ZCCHC11
BPTF	1.35E-133	0.257223068	0.474	0.266	3.65E-129	C5	BPTF
TCP1	2.38E-133	0.317774255	0.943	0.835	6.43E-129	C5	TCP1
ACTG21	3.11E-133	0.270943859	0.507	0.279	8.41E-129	C5	ACTG2
SMC3	3.18E-133	0.310020926	0.697	0.468	8.61E-129	C5	SMC3
PDGFRA	3.64E-133	0.264367255	0.549	0.324	9.86E-129	C5	PDGFRA
PLEKHA5	3.80E-133	0.271893743	0.414	0.223	1.03E-128	C5	PLEKHA5
FGF5	3.97E-133	0.304588561	0.428	0.235	1.07E-128	C5	FGF5
GMPS	1.21E-132	0.28562053	0.636	0.406	3.27E-128	C5	GMPS
CNOT9	1.67E-132	0.265885513	0.491	0.285	4.52E-128	C5	CNOT9
HNRNPA3	2.00E-132	0.278299643	0.984	0.945	5.43E-128	C5	HNRNPA3
WARS2	3.03E-132	0.251295073	0.372	0.191	8.21E-128	C5	WARS2
HSDL2	4.89E-132	0.257236205	0.506	0.293	1.32E-127	C5	HSDL2
CTDSP2	6.89E-132	0.25096512	0.476	0.27	1.86E-127	C5	CTDSP2
PSMD2	1.26E-131	0.320264455	0.945	0.862	3.40E-127	C5	PSMD2
FAM198B	2.76E-131	0.280329138	0.582	0.356	7.47E-127	C5	FAM198B

GADD45A	3.49E-131	0.353525932	0.606	0.392	9.44E-127	C5	GADD45A
PTCD3	7.38E-131	0.257716305	0.48	0.275	2.00E-126	C5	PTCD3
FAM50A	8.72E-131	0.286449781	0.57	0.352	2.36E-126	C5	FAM50A
FADS1	1.30E-130	0.401016915	0.843	0.69	3.51E-126	C5	FADS1
SCRN1	1.85E-130	0.268742341	0.492	0.286	5.00E-126	C5	SCRN1
LYRM7	3.47E-130	0.250597354	0.423	0.23	9.40E-126	C5	LYRM7
DNMT1	5.07E-130	0.321104931	0.832	0.624	1.37E-125	C5	DNMT1
GNB21	8.12E-130	0.317000667	0.904	0.767	2.20E-125	C5	GNB2
SSBP4	1.05E-129	0.268372774	0.534	0.32	2.84E-125	C5	SSBP4
CEP41	1.21E-129	0.266806276	0.55	0.334	3.29E-125	C5	CEP41
SEPT9	7.81E-129	0.283321034	0.609	0.391	2.11E-124	C5	SEPT9
LAMA4	1.06E-128	0.327843505	0.58	0.362	2.88E-124	C5	LAMA4
AKIRIN2	1.29E-128	0.251409512	0.435	0.242	3.50E-124	C5	AKIRIN2
SPTAN1	1.47E-128	0.251954808	0.494	0.285	3.97E-124	C5	SPTAN1
SNHG17	2.09E-128	0.317697788	0.4	0.218	5.67E-124	C5	SNHG17
PDCD6IP	2.70E-128	0.274888935	0.614	0.392	7.31E-124	C5	PDCD6IP
PLAU	3.86E-128	0.342499642	0.364	0.19	1.04E-123	C5	PLAU
TMEM165	3.90E-128	0.323609309	0.733	0.523	1.06E-123	C5	TMEM165
PJA2	3.93E-128	0.272776584	0.612	0.39	1.06E-123	C5	PJA2
SETD5	4.63E-128	0.267975512	0.511	0.301	1.25E-123	C5	SETD5
GTF2F1	4.85E-128	0.310627878	0.72	0.505	1.31E-123	C5	GTF2F1
TRBC21	7.35E-128	0.359533178	0.708	0.471	1.99E-123	C5	TRBC2
DDX42	7.41E-128	0.275471582	0.618	0.395	2.01E-123	C5	DDX42
TBC1D23	8.49E-128	0.275450633	0.525	0.316	2.30E-123	C5	TBC1D23
EIF2AK2	2.01E-127	0.279764096	0.638	0.411	5.45E-123	C5	EIF2AK2
CTNNB1	8.44E-127	0.272844062	0.555	0.342	2.28E-122	C5	CTNNB1
SLC20A1	1.67E-126	0.318972939	0.8	0.587	4.52E-122	C5	SLC20A1
TNFAIP6	3.94E-126	0.274465398	0.612	0.386	1.07E-121	C5	TNFAIP6
ELL2	5.93E-126	0.252155842	0.509	0.299	1.61E-121	C5	ELL2
BROX	8.32E-126	0.273962416	0.604	0.385	2.25E-121	C5	BROX
SLC25A11	1.03E-125	0.295466222	0.684	0.455	2.80E-121	C5	SLC25A1
TMF1	1.21E-125	0.302890928	0.687	0.469	3.27E-121	C5	TMF1
ABCF1	1.31E-125	0.296239598	0.696	0.478	3.55E-121	C5	ABCF1
HTATSF1	1.41E-125	0.277503502	0.598	0.379	3.82E-121	C5	HTATSF1
PTOV1	2.05E-125	0.273619774	0.639	0.409	5.54E-121	C5	PTOV1
HMG20B	7.58E-125	0.285965946	0.69	0.47	2.05E-120	C5	HMG20B
HMGB31	1.03E-124	0.323309448	0.905	0.758	2.78E-120	C5	HMGB3
PAICS	1.12E-124	0.299653511	0.92	0.788	3.04E-120	C5	PAICS
FOSL1	1.32E-124	0.302724767	0.448	0.256	3.58E-120	C5	FOSL1
FOXP1	1.96E-124	0.281048044	0.606	0.387	5.30E-120	C5	FOXP1
CEP57	2.99E-124	0.267487818	0.565	0.35	8.10E-120	C5	CEP57
COL4A1	3.58E-124	0.262068707	0.469	0.267	9.69E-120	C5	COL4A1
KDM1A	1.46E-123	0.271714674	0.59	0.374	3.96E-119	C5	KDM1A

SLC39A10	1.55E-123	0.275317187	0.499	0.295	4.18E-119	C5	SLC39A10
PIM1	1.69E-123	0.252274782	0.433	0.242	4.58E-119	C5	PIM1
UBE2Q2	1.78E-123	0.252680746	0.464	0.268	4.81E-119	C5	UBE2Q2
EXOSC9	2.63E-123	0.265468546	0.602	0.378	7.12E-119	C5	EXOSC9
WASF2	2.85E-123	0.288743083	0.677	0.46	7.70E-119	C5	WASF2
ITGB1	3.99E-123	0.288096692	0.977	0.924	1.08E-118	C5	ITGB1
HNRNPA1	2.14E-122	0.253229116	0.995	0.983	5.79E-118	C5	HNRNPA1
EIF3B	2.75E-122	0.266461062	0.653	0.425	7.43E-118	C5	EIF3B
PSMD12	3.19E-122	0.307641111	0.838	0.667	8.64E-118	C5	PSMD12
TWISTNB	6.85E-122	0.286199984	0.586	0.373	1.85E-117	C5	TWISTNB
PNRC1	8.65E-122	0.258418987	0.42	0.232	2.34E-117	C5	PNRC1
NASP	1.21E-121	0.282059124	0.755	0.529	3.28E-117	C5	NASP
IFNAR1	1.95E-121	0.280440439	0.636	0.421	5.29E-117	C5	IFNAR1
G3BP2	5.04E-121	0.292813517	0.747	0.542	1.36E-116	C5	G3BP2
SRSF10	4.25E-120	0.307579669	0.882	0.746	1.15E-115	C5	SRSF10
WDR43	8.63E-120	0.30617734	0.685	0.474	2.34E-115	C5	WDR43
CTSC	1.01E-119	0.365624686	0.928	0.847	2.74E-115	C5	CTSC
DNM1L	1.29E-119	0.27109427	0.634	0.419	3.50E-115	C5	DNM1L
PPME1	2.42E-119	0.256718551	0.447	0.256	6.55E-115	C5	PPME1
ARCN1	2.96E-119	0.297875117	0.775	0.571	8.02E-115	C5	ARCN1
NRP1	8.16E-119	0.273325981	0.575	0.366	2.21E-114	C5	NRP1
SUDS3	1.28E-118	0.253137382	0.498	0.297	3.47E-114	C5	SUDS3
MOB1A	2.52E-118	0.298763879	0.768	0.568	6.83E-114	C5	MOB1A
PHF5A	3.25E-118	0.268644757	0.62	0.406	8.79E-114	C5	PHF5A
ARL4A	1.12E-117	0.252162637	0.537	0.329	3.04E-113	C5	ARL4A
U2SURP	1.84E-117	0.315176404	0.768	0.579	4.97E-113	C5	U2SURP
WSB1	2.38E-117	0.267031469	0.733	0.508	6.44E-113	C5	WSB1
ETF1	3.85E-117	0.290709708	0.766	0.567	1.04E-112	C5	ETF1
ARF6	9.69E-117	0.257834035	0.566	0.36	2.62E-112	C5	ARF6
MCM71	1.72E-116	0.271930423	0.789	0.558	4.65E-112	C5	MCM7
GJA11	3.34E-116	0.417636625	0.776	0.589	9.03E-112	C5	GJA1
SLC16A3	3.64E-116	0.295321992	0.723	0.516	9.86E-112	C5	SLC16A3
PTPN2	6.79E-116	0.257283831	0.545	0.34	1.84E-111	C5	PTPN2
FBL	1.14E-115	0.288976881	0.917	0.792	3.09E-111	C5	FBL
AHNAK	1.55E-115	0.309321444	0.812	0.629	4.20E-111	C5	AHNAK
RSRC1	1.57E-115	0.273978373	0.601	0.388	4.25E-111	C5	RSRC1
PARP1	2.01E-115	0.299045329	0.865	0.712	5.43E-111	C5	PARP1
GART	1.29E-114	0.263274934	0.616	0.405	3.49E-110	C5	GART
EXOSC2	1.42E-114	0.250590965	0.545	0.337	3.83E-110	C5	EXOSC2
TMEM138	2.90E-114	0.270722968	0.667	0.452	7.85E-110	C5	TMEM138
CXCL12	3.83E-114	0.443236802	0.546	0.345	1.04E-109	C5	CXCL12
CAPZA1	6.06E-114	0.286214506	0.812	0.639	1.64E-109	C5	CAPZA1
CTPS1	8.23E-114	0.256976887	0.57	0.365	2.23E-109	C5	CTPS1

YBX31	1.36E-113	0.273233604	0.757	0.529	3.69E-109	C5	YBX3
HSPA81	6.60E-113	0.274753422	0.998	0.975	1.79E-108	C5	HSPA8
ARL8B	1.37E-111	0.2506968	0.582	0.376	3.70E-107	C5	ARL8B
EIF2B3	1.74E-111	0.285257022	0.695	0.485	4.72E-107	C5	EIF2B3
SRP72	4.19E-111	0.256915524	0.984	0.931	1.13E-106	C5	SRP72
UPP1	7.02E-110	0.268220845	0.501	0.307	1.90E-105	C5	UPP1
RNPS1	1.98E-109	0.287424146	0.771	0.579	5.35E-105	C5	RNPS1
SF1	1.54E-108	0.250208182	0.645	0.439	4.16E-104	C5	SF1
NFIC	2.13E-108	0.271206136	0.729	0.525	5.76E-104	C5	NFIC
ALG2	2.89E-108	0.258250002	0.605	0.4	7.83E-104	C5	ALG2
FHL22	3.48E-107	0.28321962	0.883	0.737	9.42E-103	C5	FHL2
RBBP4	5.06E-107	0.25285234	0.619	0.413	1.37E-102	C5	RBBP4
ACSL3	7.05E-107	0.287961294	0.75	0.56	1.91E-102	C5	ACSL3
MPZL1	1.12E-106	0.283776205	0.739	0.542	3.04E-102	C5	MPZL1
UCHL5	1.37E-106	0.259589154	0.661	0.451	3.70E-102	C5	UCHL5
NINJ1	3.85E-106	0.252812965	0.573	0.368	1.04E-101	C5	NINJ1
NONO	2.03E-105	0.285840959	0.826	0.67	5.50E-101	C5	NONO
PALLD	2.76E-105	0.306360625	0.815	0.634	7.46E-101	C5	PALLD
TLN1	3.49E-105	0.279719335	0.878	0.731	9.45E-101	C5	TLN1
CPPED1	4.02E-105	0.252338548	0.56	0.361	1.09E-100	C5	CPPED1
LIMA1	5.97E-105	0.290801943	0.934	0.847	1.62E-100	C5	LIMA1
RAD211	9.84E-105	0.289913415	0.894	0.741	2.66E-100	C5	RAD21
PRSS23	1.04E-104	0.292511207	0.893	0.766	2.81E-100	C5	PRSS23
THRAP3	1.66E-104	0.272603015	0.911	0.783	4.49E-100	C5	THRAP3
UBAP2L	3.34E-104	0.254290956	0.653	0.449	9.05E-100	C5	UBAP2L
PRRC2C	3.99E-104	0.291434712	0.856	0.702	1.08E-99	C5	PRRC2C
TMX1	9.84E-104	0.257416605	0.698	0.496	2.66E-99	C5	TMX1
HERC4	4.04E-103	0.253939913	0.493	0.306	1.09E-98	C5	HERC4
MT-RNR2	4.70E-103	0.250896254	0.997	0.994	1.27E-98	C5	MT-RNR2
EGR11	5.54E-102	0.303109822	0.63	0.429	1.50E-97	C5	EGR1
TSR1	8.93E-102	0.253778773	0.594	0.399	2.42E-97	C5	TSR1
MRPL35	2.14E-101	0.260234081	0.726	0.523	5.80E-97	C5	MRPL35
CNIH4	1.74E-100	0.279863725	0.935	0.858	4.70E-96	C5	CNIH4
DTWD1	1.79E-100	0.292099167	0.768	0.589	4.84E-96	C5	DTWD1
ASF1A	3.05E-100	0.27521537	0.703	0.51	8.25E-96	C5	ASF1A
SAE1	5.85E-99	0.254524396	0.765	0.566	1.58E-94	C5	SAE1
RRP36	8.49E-99	0.284286399	0.849	0.694	2.30E-94	C5	RRP36
G3BP1	1.00E-98	0.272995319	0.854	0.702	2.71E-94	C5	G3BP1
ID11	3.52E-98	0.397034433	0.592	0.394	9.53E-94	C5	ID1
KCNMA1	3.33E-95	0.279417259	0.607	0.405	9.01E-91	C5	KCNMA1
CD9	9.54E-95	0.251875545	0.755	0.551	2.58E-90	C5	CD9
LRRFIP2	2.48E-94	0.256433559	0.636	0.443	6.71E-90	C5	LRRFIP2
GLRX2	5.13E-94	0.326655978	0.976	0.9	1.39E-89	C5	GLRX

ARID5B1	1.59E-93	0.266708813	0.761	0.577	4.30E-89	C5	ARID5B
PTP4A1	4.42E-92	0.254983211	0.662	0.475	1.20E-87	C5	PTP4A1
COPS3	7.50E-89	0.251307161	0.781	0.614	2.03E-84	C5	COPS3
USP16	6.40E-88	0.252092101	0.74	0.56	1.73E-83	C5	USP16
CDH11	1.03E-85	0.284161691	0.729	0.554	2.80E-81	C5	CDH11
CTNNAL1	1.04E-84	0.25475002	0.788	0.623	2.82E-80	C5	CTNNAL1
LMO41	2.92E-84	0.263039934	0.768	0.594	7.90E-80	C5	LMO4
IFI16	4.02E-83	0.261182172	0.845	0.727	1.09E-78	C5	IFI16
NT5DC21	1.48E-80	0.25383531	0.854	0.729	4.01E-76	C5	NT5DC2
IER21	4.93E-76	0.29495634	0.743	0.599	1.33E-71	C5	IER2
SRGN	5.67E-73	0.408311294	0.575	0.427	1.53E-68	C5	SRGN
DAB2	7.86E-69	0.255296879	0.811	0.682	2.13E-64	C5	DAB2
CDKN1A1	6.87E-67	0.327700677	0.663	0.504	1.86E-62	C5	CDKN1A
SERPINE11	1.16E-60	0.310552457	0.922	0.845	3.15E-56	C5	SERPINE1