

Marker genes from UCMSCP0,UCMSCP3,UCMSCP5,UCMSCP5L							
	p_val	avg_log2FC	pct.1	pct.2	p_val_adj	sluster	gene
ACTA2	0	0.54608664	0.991	0.977	0	s0	ACTA2
SCRG1	0	0.502772024	0.506	0.342	0	s0	SCRG1
NUPR1	0	0.445087417	0.839	0.713	0	s0	NUPR1
SERPINE2	0	0.436596191	0.953	0.912	0	s0	SERPINE2
CDKN2B	0	0.40600045	0.375	0.222	0	s0	CDKN2B
MYL9	0	0.369743953	0.999	0.999	0	s0	MYL9
TAGLN	0	0.366983292	1	1	0	s0	TAGLN
COPZ2	0	0.36231051	0.874	0.766	0	s0	COPZ2
SELENOM	0	0.35819229	0.999	0.989	0	s0	SELENOM
TPM2	0	0.351187821	1	1	0	s0	TPM2
SYNPO2	0	0.339259783	0.596	0.434	0	s0	SYNPO2
COL1A1	0	0.337712585	1	1	0	s0	COL1A1
IGFBP7	0	0.33617511	1	1	0	s0	IGFBP7
MMP23B	0	0.33179438	0.546	0.405	0	s0	MMP23B
FTL	0	0.32729854	1	1	0	s0	FTL
TPM1	0	0.317108261	1	1	0	s0	TPM1
IFITM3	0	0.313501583	0.999	0.996	0	s0	IFITM3
GLS	0	0.311201905	0.942	0.895	0	s0	GLS
PPIC	0	0.310107947	0.906	0.818	0	s0	PPIC
CALD1	0	0.299742229	1	1	0	s0	CALD1
NNMT	0	0.283983519	0.997	0.993	0	s0	NNMT
PRDX5	0	0.281517057	0.999	0.998	0	s0	PRDX5
TPD52L1	0	0.279815768	0.535	0.371	0	s0	TPD52L1
IFI27L2	0	0.272179576	0.962	0.923	0	s0	IFI27L2
SPARC	0	0.257194248	1	0.999	0	s0	SPARC
OST4	0	0.250805143	1	1	0	s0	OST4
MXD4	3.16E-307	0.288682898	0.622	0.485	7.13E-303	s0	MXD4
CLIC3	2.42E-292	0.375539649	0.412	0.275	5.44E-288	s0	CLIC3
MAP1LC3A	6.30E-278	0.250750394	0.605	0.47	1.42E-273	s0	MAP1LC3A
ITGA11	1.28E-274	0.265219126	0.373	0.24	2.88E-270	s0	ITGA11
MEST	1.19E-273	0.350575648	0.659	0.534	2.69E-269	s0	MEST
HTRA1	7.41E-271	0.310765808	0.7	0.576	1.67E-266	s0	HTRA1
CPA4	2.29E-256	0.348417161	0.383	0.259	5.15E-252	s0	CPA4
COX7A1	1.26E-226	0.297478368	0.483	0.36	2.83E-222	s0	COX7A1
ACTG2	2.93E-226	0.387014851	0.966	0.965	6.60E-222	s0	ACTG2
IGFBP3	1.11E-223	0.363225952	0.559	0.433	2.50E-219	s0	IGFBP3
FILIP1L	4.28E-218	0.320331665	0.643	0.526	9.63E-214	s0	FILIP1L
CTGF	1.43E-207	0.270236995	0.987	0.972	3.22E-203	s0	CTGF
FAM43A	3.83E-195	0.250525663	0.377	0.267	8.63E-191	s0	FAM43A
FHL1	2.22E-188	0.319182584	0.666	0.567	5.00E-184	s0	FHL1
SLC25A4	2.54E-186	0.287598944	0.612	0.518	5.72E-182	s0	SLC25A4

CRYAB	4.12E-185	0.517951741	0.267	0.171	9.29E-181	s0	CRYAB
TINAGL1	4.20E-184	0.318991596	0.554	0.451	9.46E-180	s0	TINAGL1
CYBA	3.49E-183	0.281609291	0.866	0.842	7.86E-179	s0	CYBA
TIMP1	3.75E-175	0.262209163	1	1	8.46E-171	s0	TIMP1
RBP1	6.72E-170	0.273357847	0.54	0.434	1.52E-165	s0	RBP1
CNN1	1.72E-161	0.316557481	0.748	0.683	3.88E-157	s0	CNN1
KRT8	3.07E-140	0.255439375	0.979	0.977	6.91E-136	s0	KRT8
ANKRD37	2.26E-133	0.253997906	0.268	0.186	5.08E-129	s0	ANKRD37
KRT18	1.16E-110	0.310262184	0.968	0.966	2.62E-106	s0	KRT18
POSTN	4.13E-89	0.278866543	0.589	0.521	9.30E-85	s0	POSTN
RPS4Y1	2.57E-83	0.266529079	0.583	0.549	5.79E-79	s0	RPS4Y1
DES	4.36E-82	0.366829976	0.216	0.156	9.81E-78	s0	DES
MYLK	1.22E-34	0.300378485	0.625	0.592	2.74E-30	s0	MYLK
NPPB	4.78E-31	0.684677969	0.124	0.096	1.08E-26	s0	NPPB
IGFBP5	2.86E-17	0.283508781	0.64	0.624	6.45E-13	s0	IGFBP5
CXCL6	0	1.100950185	0.784	0.628	0	s1	CXCL6
PTGS2	0	0.953022951	0.59	0.392	0	s1	PTGS2
COL3A1	0	0.888293319	0.999	0.992	0	s1	COL3A1
SOD2	0	0.867906946	0.785	0.578	0	s1	SOD2
LUM	0	0.864757273	0.809	0.618	0	s1	LUM
DCN	0	0.826676097	0.745	0.577	0	s1	DCN
TGFBI	0	0.782812039	0.997	0.978	0	s1	TGFBI
COL12A1	0	0.740648546	0.936	0.814	0	s1	COL12A1
FGF7	0	0.729473767	0.77	0.611	0	s1	FGF7
NEAT1	0	0.718313398	1	0.996	0	s1	NEAT1
SERPINE2	0	0.716510541	0.981	0.916	0	s1	SERPINE2
CLU	0	0.704991997	0.892	0.748	0	s1	CLU
MME	0	0.670234467	0.801	0.624	0	s1	MME
COL1A2	0	0.660763682	1	0.999	0	s1	COL1A2
MMP2	0	0.658691333	0.99	0.939	0	s1	MMP2
COL5A1	0	0.658530433	0.983	0.935	0	s1	COL5A1
IL1B	0	0.65484085	0.85	0.678	0	s1	IL1B
IGFBP4	0	0.635625709	0.995	0.986	0	s1	IGFBP4
TNFAIP6	0	0.628006228	0.652	0.482	0	s1	TNFAIP6
INHBA	0	0.608425877	0.991	0.975	0	s1	INHBA
SPARC	0	0.595906969	1	0.999	0	s1	SPARC
PNRC1	0	0.594773077	0.774	0.593	0	s1	PNRC1
P4HA1	0	0.578260192	0.983	0.927	0	s1	P4HA1
P4HA3	0	0.574534393	0.567	0.38	0	s1	P4HA3
COL6A3	0	0.573989313	0.972	0.906	0	s1	COL6A3
PDGFRA	0	0.566115553	0.63	0.487	0	s1	PDGFRA
GPC6	0	0.564922736	0.58	0.348	0	s1	GPC6
TGM2	0	0.561310626	0.868	0.752	0	s1	TGM2

COL11A1	0	0.555969582	0.722	0.554	0	s1	COL11A1
COL5A2	0	0.553437405	0.998	0.986	0	s1	COL5A2
STC1	0	0.547836228	0.35	0.191	0	s1	STC1
THBS2	0	0.544227688	0.889	0.748	0	s1	THBS2
MALAT1	0	0.538243547	1	1	0	s1	MALAT1
MRC2	0	0.537277249	0.974	0.896	0	s1	MRC2
WSB1	0	0.533940868	0.843	0.713	0	s1	WSB1
VCAN	0	0.521974841	0.972	0.947	0	s1	VCAN
COL1A11	0	0.518584275	0.999	1	0	s1	COL1A1
C1R	0	0.512436921	0.613	0.404	0	s1	C1R
FBN1	0	0.505373981	0.99	0.958	0	s1	FBN1
LOX	0	0.504041605	0.982	0.935	0	s1	LOX
GAS1	0	0.503932182	0.413	0.237	0	s1	GAS1
GJA1	0	0.499591575	0.751	0.634	0	s1	GJA1
PLOD2	0	0.496571268	0.983	0.958	0	s1	PLOD2
TXNIP	0	0.474388671	0.908	0.766	0	s1	TXNIP
HTRA11	0	0.467308171	0.742	0.594	0	s1	HTRA1
COL6A1	0	0.465429847	0.995	0.976	0	s1	COL6A1
C1S	0	0.444509345	0.517	0.337	0	s1	C1S
B4GALT1	0	0.438333541	0.805	0.697	0	s1	B4GALT1
P4HA2	0	0.437451342	0.981	0.942	0	s1	P4HA2
PTK7	0	0.436562349	0.761	0.658	0	s1	PTK7
HLA-A	0	0.432271822	0.979	0.925	0	s1	HLA-A
DHRS3	0	0.415429882	0.762	0.594	0	s1	DHRS3
LRP1	0	0.396482827	0.873	0.781	0	s1	LRP1
PSAP	0	0.387047491	0.922	0.843	0	s1	PSAP
COL6A2	0	0.377976217	0.995	0.974	0	s1	COL6A2
TIMP2	0	0.372252138	0.988	0.968	0	s1	TIMP2
ITM2B	0	0.36567476	0.993	0.981	0	s1	ITM2B
NRP2	0	0.362361226	0.998	0.992	0	s1	NRP2
FKBP10	0	0.357887717	0.985	0.955	0	s1	FKBP10
FTH1	0	0.34924933	1	1	0	s1	FTH1
SERPINH1	0	0.316860299	1	0.998	0	s1	SERPINH1
TTC3	0	0.316077145	0.998	0.991	0	s1	TTC3
B2M	0	0.314149772	1	1	0	s1	B2M
P4HB	0	0.31216664	1	1	0	s1	P4HB
CDH2	0	0.300996022	0.999	0.996	0	s1	CDH2
CTSB	0	0.300117632	0.989	0.968	0	s1	CTSB
IFITM31	0	0.282765994	0.999	0.997	0	s1	IFITM3
PDIA3	0	0.275083045	0.999	0.998	0	s1	PDIA3
RPS27	0	0.265228862	1	1	0	s1	RPS27
SELENOM	0	0.262896347	0.999	0.991	0	s1	SELENOM
PPIB	0	0.257741508	1	1	0	s1	PPIB

LOXL2	2.08E-304	0.348016127	0.993	0.986	4.69E-300	s1	LOXL2
EFEMP1	1.98E-303	0.492215257	0.718	0.555	4.46E-299	s1	EFEMP1
HIF1A	6.96E-295	0.44093885	0.936	0.892	1.57E-290	s1	HIF1A
SAT1	1.48E-291	0.434385808	0.921	0.831	3.32E-287	s1	SAT1
EMILIN1	1.58E-291	0.384562228	0.933	0.883	3.56E-287	s1	EMILIN1
CRISPLD2	6.37E-290	0.380841366	0.295	0.152	1.43E-285	s1	CRISPLD2
PTGES	1.13E-286	0.415066903	0.333	0.184	2.54E-282	s1	PTGES
C1QTNF1	1.22E-284	0.356648814	0.436	0.273	2.76E-280	s1	C1QTNF1
SPOCK1	8.36E-282	0.332357029	0.974	0.948	1.88E-277	s1	SPOCK1
ITGA1	4.79E-279	0.424347014	0.542	0.38	1.08E-274	s1	ITGA1
CHI3L1	1.06E-275	0.670094128	0.193	0.08	2.38E-271	s1	CHI3L1
ANTXR1	7.82E-274	0.502699686	0.625	0.5	1.76E-269	s1	ANTXR1
LSAMP	1.06E-271	0.290622247	0.258	0.126	2.40E-267	s1	LSAMP
CTHRC1	1.49E-271	0.362696252	0.984	0.954	3.36E-267	s1	CTHRC1
FSTL1	1.09E-270	0.349357084	0.996	0.99	2.45E-266	s1	FSTL1
MEG3	1.49E-269	0.343936646	0.989	0.967	3.36E-265	s1	MEG3
NEGR1	7.54E-268	0.480174254	0.637	0.511	1.70E-263	s1	NEGR1
DDIT4	9.90E-267	0.464258412	0.819	0.665	2.23E-262	s1	DDIT4
TMEM59	9.77E-266	0.322682184	0.938	0.893	2.20E-261	s1	TMEM59
JUNB	1.54E-265	0.447149832	0.8	0.685	3.47E-261	s1	JUNB
VEGFA	3.65E-263	0.447151719	0.802	0.698	8.22E-259	s1	VEGFA
VMP1	6.83E-262	0.334312735	0.951	0.9	1.54E-257	s1	VMP1
APP	8.15E-260	0.319809059	0.907	0.846	1.84E-255	s1	APP
FNDC3B	4.09E-257	0.324951749	0.905	0.852	9.23E-253	s1	FNDC3B
NCOA7	2.63E-255	0.395990308	0.72	0.617	5.93E-251	s1	NCOA7
CEBPD	7.93E-255	0.358893937	0.956	0.87	1.79E-250	s1	CEBPD
PPIC1	6.63E-253	0.310378423	0.911	0.836	1.49E-248	s1	PPIC
PLOD1	2.62E-251	0.341231643	0.855	0.787	5.90E-247	s1	PLOD1
CXCL1	1.84E-250	0.908343365	0.668	0.526	4.15E-246	s1	CXCL1
LMAN1	3.82E-250	0.255803701	0.998	0.996	8.60E-246	s1	LMAN1
PXDN	2.49E-246	0.311923592	0.976	0.946	5.60E-242	s1	PXDN
ABCA1	2.24E-237	0.370617096	0.551	0.404	5.04E-233	s1	ABCA1
LTBP1	7.38E-235	0.408633554	0.716	0.613	1.66E-230	s1	LTBP1
SOX4	5.80E-234	0.487910584	0.784	0.698	1.31E-229	s1	SOX4
NID2	1.22E-230	0.367872328	0.615	0.487	2.76E-226	s1	NID2
HLA-C	1.84E-229	0.281273635	0.974	0.935	4.14E-225	s1	HLA-C
G0S2	1.03E-228	0.575169017	0.242	0.123	2.32E-224	s1	G0S2
SH3PXD2A	4.22E-228	0.376240284	0.723	0.631	9.51E-224	s1	SH3PXD2A
CDH11	7.27E-227	0.368982887	0.914	0.862	1.64E-222	s1	CDH11
CEBPB	3.90E-226	0.364894712	0.782	0.687	8.78E-222	s1	CEBPB
FGF2	6.86E-225	0.340862424	0.948	0.896	1.55E-220	s1	FGF2
IFITM2	9.58E-225	0.298394822	0.98	0.958	2.16E-220	s1	IFITM2
HERPUD1	6.06E-222	0.319869687	0.968	0.917	1.37E-217	s1	HERPUD1

BNIP3	2.22E-218	0.42248193	0.94	0.906	5.01E-214	s1	BNIP3
LIMS1	3.19E-217	0.350077201	0.947	0.92	7.18E-213	s1	LIMS1
SMIM3	3.92E-217	0.387002594	0.569	0.443	8.84E-213	s1	SMIM3
IL1A	4.23E-215	0.494055875	0.356	0.222	9.52E-211	s1	IL1A
EIF4B	6.10E-214	0.258832166	0.96	0.932	1.37E-209	s1	EIF4B
CXCL8	4.27E-213	0.862058777	0.599	0.463	9.63E-209	s1	CXCL8
NR3C1	1.57E-211	0.331912955	0.811	0.745	3.55E-207	s1	NR3C1
ATP6AP2	8.16E-210	0.269785871	0.895	0.838	1.84E-205	s1	ATP6AP2
OLFML3	1.03E-206	0.298756214	0.875	0.792	2.31E-202	s1	OLFML3
YPEL3	4.83E-206	0.317450489	0.54	0.407	1.09E-201	s1	YPEL3
RCN3	9.13E-204	0.272627658	0.961	0.921	2.06E-199	s1	RCN3
PLD3	7.23E-202	0.277843852	0.869	0.804	1.63E-197	s1	PLD3
FBXO32	1.61E-197	0.356303286	0.297	0.175	3.62E-193	s1	FBXO32
SIL1	3.58E-194	0.288278152	0.832	0.763	8.06E-190	s1	SIL1
HLA-E	6.12E-193	0.283679741	0.856	0.791	1.38E-188	s1	HLA-E
IGFBP31	2.02E-191	0.592690212	0.585	0.455	4.55E-187	s1	IGFBP3
FN1	6.40E-191	0.330895873	1	1	1.44E-186	s1	FN1
RAI14	9.87E-187	0.252926274	0.984	0.972	2.22E-182	s1	RAI14
NUCB1	6.68E-186	0.261287182	0.83	0.76	1.51E-181	s1	NUCB1
CERCAM	1.34E-185	0.290635735	0.711	0.612	3.03E-181	s1	CERCAM
P3H1	1.50E-185	0.292665002	0.774	0.701	3.38E-181	s1	P3H1
GRN	4.22E-185	0.288985087	0.774	0.695	9.52E-181	s1	GRN
CUX1	1.56E-184	0.266373986	0.846	0.786	3.52E-180	s1	CUX1
BNIP3L	3.09E-184	0.255483317	0.895	0.834	6.96E-180	s1	BNIP3L
HLA-B	3.23E-184	0.303973781	0.86	0.756	7.27E-180	s1	HLA-B
ZFP36L1	7.40E-184	0.337555772	0.798	0.719	1.67E-179	s1	ZFP36L1
PTPRN	3.12E-183	0.308949256	0.357	0.232	7.03E-179	s1	PTPRN
EIF1B	1.83E-182	0.276230657	0.863	0.806	4.11E-178	s1	EIF1B
SGALNACT	8.28E-182	0.28395896	0.28	0.164	1.87E-177	s1	SGALNACT
NFKBIZ	8.80E-181	0.353034144	0.724	0.627	1.98E-176	s1	NFKBIZ
ITGAV	5.54E-180	0.306195379	0.78	0.713	1.25E-175	s1	ITGAV
CCL2	1.26E-179	0.57575221	0.606	0.481	2.85E-175	s1	CCL2
IER3	3.73E-178	0.330174609	0.999	0.992	8.41E-174	s1	IER3
SLIT3	5.64E-177	0.299880741	0.32	0.201	1.27E-172	s1	SLIT3
SULF2	7.55E-176	0.32590884	0.264	0.154	1.70E-171	s1	SULF2
MFAP2	1.28E-175	0.302737364	0.701	0.606	2.89E-171	s1	MFAP2
LAMC1	7.25E-175	0.285729163	0.914	0.878	1.63E-170	s1	LAMC1
ATP13A3	1.02E-172	0.344408619	0.615	0.518	2.30E-168	s1	ATP13A3
SLC38A2	2.95E-172	0.29470806	0.941	0.906	6.65E-168	s1	SLC38A2
LAMP1	5.85E-171	0.25575845	0.87	0.82	1.32E-166	s1	LAMP1
LOXL3	3.42E-167	0.313357014	0.477	0.36	7.71E-163	s1	LOXL3
BGN	6.43E-165	0.253146385	0.987	0.966	1.45E-160	s1	BGN
PTP4A1	1.13E-163	0.443651704	0.681	0.619	2.55E-159	s1	PTP4A1

GBP2	6.41E-160	0.274709856	0.362	0.243	1.44E-155	s1	GBP2
LAMA4	1.00E-157	0.281451053	0.393	0.271	2.26E-153	s1	LAMA4
ASS1	2.67E-155	0.285079983	0.437	0.311	6.01E-151	s1	ASS1
DNAJB9	8.36E-154	0.278011525	0.513	0.395	1.88E-149	s1	DNAJB9
SNHG25	3.22E-153	0.295450422	0.637	0.536	7.27E-149	s1	SNHG25
UGP2	1.29E-152	0.259901791	0.93	0.897	2.91E-148	s1	UGP2
ADAM12	8.36E-152	0.317008284	0.767	0.692	1.88E-147	s1	ADAM12
TNFAIP3	4.92E-151	0.402313446	0.494	0.383	1.11E-146	s1	TNFAIP3
ADAMTS6	4.01E-149	0.317422362	0.897	0.848	9.03E-145	s1	ADAMTS6
KLF9	4.37E-149	0.296769677	0.585	0.485	9.84E-145	s1	KLF9
ITM2C	1.05E-148	0.254996678	0.817	0.76	2.38E-144	s1	ITM2C
METRNL	1.18E-147	0.263462379	0.915	0.871	2.65E-143	s1	METRNL
NDRG1	1.48E-147	0.255899364	0.282	0.178	3.33E-143	s1	NDRG1
CARMN	3.07E-147	0.327288116	0.639	0.534	6.91E-143	s1	CARMN
GXYLT2	4.95E-146	0.251281151	0.457	0.341	1.12E-141	s1	GXYLT2
NAMPT	2.03E-141	0.373961321	0.584	0.501	4.58E-137	s1	NAMPT
FAP	7.07E-141	0.27857402	0.643	0.562	1.59E-136	s1	FAP
MFGE8	1.31E-136	0.254500194	0.856	0.798	2.96E-132	s1	MFGE8
GLS1	2.85E-136	0.261121734	0.945	0.905	6.43E-132	s1	GLS
HGF	5.13E-135	0.470385157	0.401	0.29	1.16E-130	s1	HGF
PAM	1.43E-130	0.263140112	0.523	0.424	3.22E-126	s1	PAM
TIMP11	4.30E-129	0.321137196	1	1	9.68E-125	s1	TIMP1
TFPI	1.77E-128	0.335615847	0.5	0.407	3.99E-124	s1	TFPI
SERPINF1	8.50E-127	0.279936506	0.388	0.282	1.91E-122	s1	SERPINF1
CLSTN1	1.18E-126	0.252328396	0.713	0.656	2.65E-122	s1	CLSTN1
ITGA11	2.68E-126	0.301671961	0.376	0.268	6.04E-122	s1	ITGA11
DPP4	3.50E-126	0.254841631	0.492	0.386	7.88E-122	s1	DPP4
NFKBIA	8.62E-126	0.400441211	0.681	0.611	1.94E-121	s1	NFKBIA
MEIS1	3.98E-123	0.27106434	0.351	0.253	8.98E-119	s1	MEIS1
HCFC1R1	6.43E-122	0.297231109	0.776	0.712	1.45E-117	s1	HCFC1R1
IQGAP2	1.50E-120	0.259639622	0.269	0.175	3.37E-116	s1	IQGAP2
PAPPA	6.47E-119	0.339173044	0.736	0.66	1.46E-114	s1	PAPPA
TENT5A	1.79E-118	0.352735726	0.539	0.449	4.04E-114	s1	TENT5A
SCD	2.35E-118	0.315182404	0.786	0.716	5.29E-114	s1	SCD
SULF1	2.22E-117	0.283626609	0.886	0.824	5.00E-113	s1	SULF1
INSIG1	5.24E-115	0.349681894	0.581	0.493	1.18E-110	s1	INSIG1
COL4A1	2.03E-110	0.258549235	0.988	0.972	4.58E-106	s1	COL4A1
CSF3	1.83E-109	0.373702539	0.109	0.052	4.12E-105	s1	CSF3
SYNPO21	3.72E-106	0.289959855	0.572	0.473	8.39E-102	s1	SYNPO2
CCDC71L	9.72E-106	0.357435231	0.557	0.488	2.19E-101	s1	CCDC71L
WNT5A	1.87E-105	0.333867979	0.451	0.365	4.22E-101	s1	WNT5A
IGFBP51	1.56E-104	0.255756919	0.731	0.61	3.52E-100	s1	IGFBP5
SQSTM1	4.14E-99	0.268745491	0.957	0.944	9.33E-95	s1	SQSTM1

MGP	1.65E-96	0.397139493	0.232	0.153	3.72E-92	s1	MGP
KCNE4	2.70E-92	0.272707191	0.56	0.472	6.09E-88	s1	KCNE4
KCNQ1OT	7.99E-91	0.255012668	0.788	0.729	1.80E-86	s1	KCNQ1OT
PCDH10	1.89E-89	0.266611996	0.54	0.461	4.26E-85	s1	PCDH10
SCRG11	9.71E-89	0.289355846	0.477	0.383	2.19E-84	s1	SCRG1
LAMB1	3.23E-86	0.254838161	0.663	0.614	7.28E-82	s1	LAMB1
FOS	3.56E-85	0.313750526	0.654	0.56	8.03E-81	s1	FOS
IL6ST	2.22E-78	0.290412029	0.763	0.736	5.00E-74	s1	IL6ST
ATP2A2	2.52E-77	0.262496161	0.736	0.711	5.68E-73	s1	ATP2A2
SLC25A37	1.44E-75	0.250706601	0.563	0.502	3.25E-71	s1	SLC25A37
ENO2	9.50E-73	0.267365738	0.446	0.377	2.14E-68	s1	ENO2
CXCL3	1.17E-68	0.444432831	0.342	0.267	2.64E-64	s1	CXCL3
NDUFA4L2	4.09E-68	0.433172768	0.23	0.163	9.21E-64	s1	NDUFA4L2
TIMP3	3.02E-66	0.345018972	0.854	0.819	6.80E-62	s1	TIMP3
SLC39A14	4.04E-64	0.266767764	0.474	0.418	9.10E-60	s1	SLC39A14
BDKRB1	6.05E-64	0.30837238	0.719	0.686	1.36E-59	s1	BDKRB1
PLAT	6.33E-61	0.404237144	0.279	0.214	1.43E-56	s1	PLAT
FOSB	1.20E-53	0.278692556	0.455	0.39	2.71E-49	s1	FOSB
IL6	5.01E-49	0.40972915	0.251	0.192	1.13E-44	s1	IL6
HILPDA	7.96E-49	0.405698367	0.456	0.415	1.79E-44	s1	HILPDA
CXCL2	1.89E-45	0.354730332	0.308	0.252	4.27E-41	s1	CXCL2
TFPI2	5.26E-40	0.321019949	0.919	0.873	1.18E-35	s1	TFPI2
CEMIP	1.20E-13	0.256223018	0.329	0.302	2.69E-09	s1	CEMIP
IL11	3.39E-05	0.381995713	0.434	0.443	0.764851191	s1	IL11
PTTG1	0	1.900190541	0.991	0.584	0	s2	PTTG1
UBE2S	0	1.870017144	0.999	0.888	0	s2	UBE2S
CCNB1	0	1.737565182	0.772	0.198	0	s2	CCNB1
CDC20	0	1.683858715	0.787	0.176	0	s2	CDC20
CDKN3	0	1.610023498	0.901	0.237	0	s2	CDKN3
BIRC5	0	1.48393005	0.925	0.247	0	s2	BIRC5
TUBB4B	0	1.415693415	0.992	0.868	0	s2	TUBB4B
STMN1	0	1.390176711	0.993	0.708	0	s2	STMN1
DLGAP5	0	1.34677661	0.722	0.127	0	s2	DLGAP5
CENPF	0	1.340838203	0.716	0.208	0	s2	CENPF
CKS1B	0	1.29783577	0.926	0.38	0	s2	CKS1B
HMGB1	0	1.244542493	1	0.993	0	s2	HMGB1
H2AFZ	0	1.227653188	1	0.989	0	s2	H2AFZ
CCNB2	0	1.165598011	0.703	0.162	0	s2	CCNB2
TUBA1B	0	1.12605296	1	0.991	0	s2	TUBA1B
TPX2	0	1.109753768	0.679	0.252	0	s2	TPX2
JPT1	0	1.096669667	0.998	0.939	0	s2	JPT1
HMMR	0	1.087094084	0.599	0.129	0	s2	HMMR
CENPW	0	1.073693755	0.842	0.351	0	s2	CENPW

TUBA1C	0	1.063481141	0.999	0.971	0	s2	TUBA1C
HMGB3	0	1.046954902	0.837	0.38	0	s2	HMGB3
ANP32E	0	0.993407658	0.923	0.61	0	s2	ANP32E
HSP90AA1	0	0.969827641	1	0.998	0	s2	HSP90AA1
CKS2	0	0.968034328	0.658	0.42	0	s2	CKS2
HMG2	0	0.961077354	1	0.97	0	s2	HMG2
DTYMK	0	0.959092991	0.876	0.493	0	s2	DTYMK
CEP55	0	0.940600699	0.592	0.146	0	s2	CEP55
NUCKS1	0	0.928818775	0.999	0.977	0	s2	NUCKS1
SMC4	0	0.918354998	0.75	0.408	0	s2	SMC4
PBK	0	0.908108196	0.606	0.15	0	s2	PBK
ASPM	0	0.884445851	0.496	0.205	0	s2	ASPM
HNRNPR	0	0.866571448	0.97	0.815	0	s2	HNRNPR
HMGB2	0	0.843993216	0.694	0.533	0	s2	HMGB2
TK1	0	0.843520572	0.832	0.374	0	s2	TK1
PTMA	0	0.839305313	1	1	0	s2	PTMA
HNRNPM	0	0.832603052	0.967	0.765	0	s2	HNRNPM
CENPE	0	0.829377933	0.487	0.162	0	s2	CENPE
NUSAP1	0	0.819730335	0.634	0.18	0	s2	NUSAP1
INRNPA2B	0	0.801940649	1	0.986	0	s2	INRNPA2B
RANBP1	0	0.798657661	0.992	0.912	0	s2	RANBP1
CCT5	0	0.780794331	0.99	0.89	0	s2	CCT5
MAD2L1	0	0.77764356	0.627	0.234	0	s2	MAD2L1
RAN	0	0.769612872	1	0.996	0	s2	RAN
TYMS	0	0.765901627	0.772	0.304	0	s2	TYMS
SNRPB	0	0.764540092	0.995	0.936	0	s2	SNRPB
HNRNPH3	0	0.760998118	0.963	0.798	0	s2	HNRNPH3
NASP	0	0.756327027	0.853	0.549	0	s2	NASP
CKAP2	0	0.752426578	0.529	0.301	0	s2	CKAP2
NUF2	0	0.744029806	0.453	0.122	0	s2	NUF2
DEPDC1	0	0.743982286	0.466	0.118	0	s2	DEPDC1
ILF2	0	0.741968061	0.974	0.853	0	s2	ILF2
SNRPD1	0	0.739466599	0.98	0.874	0	s2	SNRPD1
PRR11	0	0.73933746	0.591	0.188	0	s2	PRR11
LSM5	0	0.724872279	0.888	0.65	0	s2	LSM5
SFPQ	0	0.72173468	0.96	0.802	0	s2	SFPQ
PHF19	0	0.720205058	0.66	0.298	0	s2	PHF19
PCLAF	0	0.716853458	0.834	0.446	0	s2	PCLAF
HNRNPD	0	0.714367273	0.97	0.821	0	s2	HNRNPD
MT2A	0	0.710572393	1	0.999	0	s2	MT2A
LMNA	0	0.70937212	0.999	0.98	0	s2	LMNA
NCL	0	0.707426812	0.999	0.985	0	s2	NCL
ODC1	0	0.703319751	0.88	0.687	0	s2	ODC1

MKI67	0	0.701153162	0.574	0.16	0	s2	MKI67
PLK1	0	0.698055044	0.472	0.121	0	s2	PLK1
RPL39L	0	0.692896168	0.73	0.384	0	s2	RPL39L
CACYBP	0	0.68358919	0.862	0.616	0	s2	CACYBP
PIMREG	0	0.681819794	0.515	0.115	0	s2	PIMREG
HNRNPAB	0	0.681814146	0.982	0.878	0	s2	HNRNPAB
HSPE1	0	0.681687383	0.991	0.933	0	s2	HSPE1
ANLN	0	0.680858213	0.53	0.175	0	s2	ANLN
KIF20B	0	0.673309667	0.478	0.217	0	s2	KIF20B
DDX39A	0	0.658971945	0.658	0.304	0	s2	DDX39A
NCAPD2	0	0.655564655	0.619	0.248	0	s2	NCAPD2
CDCA3	0	0.654874385	0.491	0.102	0	s2	CDCA3
FABP5	0	0.654669313	0.967	0.848	0	s2	FABP5
AURKA	0	0.651567725	0.397	0.162	0	s2	AURKA
PRC1	0	0.650837566	0.496	0.13	0	s2	PRC1
KIF20A	0	0.650286819	0.436	0.067	0	s2	KIF20A
HNRNPA3	0	0.650084549	0.988	0.913	0	s2	HNRNPA3
H2AFV	0	0.647148949	0.988	0.896	0	s2	H2AFV
DEK	0	0.646286503	0.987	0.919	0	s2	DEK
KPNA2	0	0.645853481	0.779	0.474	0	s2	KPNA2
RRM2	0	0.639101898	0.636	0.199	0	s2	RRM2
PTMS	0	0.638622604	1	0.997	0	s2	PTMS
EBNA1BP2	0	0.637367141	0.874	0.638	0	s2	EBNA1BP2
SRSF3	0	0.63583309	0.983	0.877	0	s2	SRSF3
PPP1R14B	0	0.635246526	1	0.993	0	s2	PPP1R14B
CCNA2	0	0.630494183	0.425	0.147	0	s2	CCNA2
TUBB	0	0.628018169	1	0.999	0	s2	TUBB
SRSF7	0	0.625719778	0.934	0.792	0	s2	SRSF7
BUB1	0	0.624815897	0.429	0.112	0	s2	BUB1
DYNLL1	0	0.623002088	1	0.997	0	s2	DYNLL1
LSM4	0	0.622451566	0.947	0.792	0	s2	LSM4
TUBA1A	0	0.618943408	0.998	0.963	0	s2	TUBA1A
LSM3	0	0.616686622	0.926	0.767	0	s2	LSM3
PA2G4	0	0.615020545	0.99	0.929	0	s2	PA2G4
PSMD2	0	0.614485012	0.996	0.946	0	s2	PSMD2
TPM3	0	0.614148236	0.999	0.98	0	s2	TPM3
SET	0	0.612442588	1	0.992	0	s2	SET
KCNMA1	0	0.611047737	0.815	0.697	0	s2	KCNMA1
CBX1	0	0.607668956	0.917	0.766	0	s2	CBX1
HNRNPU	0	0.604708894	0.985	0.925	0	s2	HNRNPU
RAD21	0	0.594502417	0.903	0.816	0	s2	RAD21
HSPD1	0	0.593886409	1	0.99	0	s2	HSPD1
DIAPH3	0	0.593859687	0.772	0.506	0	s2	DIAPH3

MZT1	0	0.590977144	0.673	0.424	0	s2	MZT1
NUDT1	0	0.590347403	0.776	0.489	0	s2	NUDT1
RBM8A	0	0.581662726	0.972	0.885	0	s2	RBM8A
SNRPA1	0	0.578371056	0.811	0.588	0	s2	SNRPA1
NOP56	0	0.576305059	0.789	0.576	0	s2	NOP56
NME1	0	0.566200453	0.986	0.932	0	s2	NME1
PTGES3	0	0.563449036	0.996	0.974	0	s2	PTGES3
XRCC5	0	0.562308338	0.993	0.953	0	s2	XRCC5
SSRP1	0	0.56105539	0.861	0.651	0	s2	SSRP1
PNN	0	0.555735401	0.883	0.742	0	s2	PNN
TOMM40	0	0.555280168	0.777	0.554	0	s2	TOMM40
RPA3	0	0.554434526	0.755	0.484	0	s2	RPA3
TUBB6	0	0.554378319	0.991	0.931	0	s2	TUBB6
SNRPG	0	0.552280888	0.993	0.949	0	s2	SNRPG
CCT6A	0	0.551182021	0.992	0.947	0	s2	CCT6A
CLIC1	0	0.544436134	1	0.999	0	s2	CLIC1
XRCC6	0	0.543995009	0.977	0.893	0	s2	XRCC6
TMEM160	0	0.539514385	0.837	0.628	0	s2	TMEM160
CBX5	0	0.538728169	0.869	0.676	0	s2	CBX5
SYNCRIP	0	0.537941131	0.907	0.777	0	s2	SYNCRIP
RUVBL1	0	0.536743385	0.781	0.553	0	s2	RUVBL1
EIF5A	0	0.536643808	0.998	0.971	0	s2	EIF5A
SMC2	0	0.535798953	0.586	0.293	0	s2	SMC2
GSPT1	0	0.534264479	0.959	0.854	0	s2	GSPT1
ANP32B	0	0.529283711	0.996	0.97	0	s2	ANP32B
HNRNPA1	0	0.528833608	1	0.991	0	s2	HNRNPA1
CALM1	0	0.52657682	1	0.992	0	s2	CALM1
CCT2	0	0.524687957	0.977	0.911	0	s2	CCT2
SMS	0	0.522943172	0.993	0.944	0	s2	SMS
YWHAQ	0	0.52252892	0.987	0.931	0	s2	YWHAQ
PRKDC	0	0.522266369	0.967	0.844	0	s2	PRKDC
TIMM10	0	0.521610766	0.7	0.474	0	s2	TIMM10
MRTO4	0	0.521368894	0.716	0.486	0	s2	MRTO4
SNRPE	0	0.521151889	0.975	0.905	0	s2	SNRPE
EXOSC8	0	0.519737468	0.677	0.42	0	s2	EXOSC8
UBE2T	0	0.519508539	0.605	0.321	0	s2	UBE2T
NR2F2	0	0.519018143	0.881	0.756	0	s2	NR2F2
CENPN	0	0.517763599	0.582	0.254	0	s2	CENPN
BZW1	0	0.516921896	0.991	0.953	0	s2	BZW1
CAV1	0	0.516793891	0.99	0.927	0	s2	CAV1
EIF1AX	0	0.513157593	0.964	0.886	0	s2	EIF1AX
PPM1G	0	0.512732424	0.928	0.798	0	s2	PPM1G
MARCKSL1	0	0.512207003	0.921	0.807	0	s2	MARCKSL1

SRSF2	0	0.511596372	0.849	0.675	0	s2	SRSF2
RUVBL2	0	0.511262758	0.737	0.501	0	s2	RUVBL2
SNRPC	0	0.510020679	0.898	0.75	0	s2	SNRPC
TPRKB	0	0.508113095	0.653	0.398	0	s2	TPRKB
NUDC	0	0.507186884	0.973	0.884	0	s2	NUDC
SGO2	0	0.506318903	0.367	0.156	0	s2	SGO2
NOL7	0	0.506142301	0.955	0.868	0	s2	NOL7
ALYREF	0	0.505793544	0.736	0.504	0	s2	ALYREF
CENPX	0	0.500443051	0.757	0.525	0	s2	CENPX
CYCS	0	0.499847409	0.987	0.924	0	s2	CYCS
PSMA7	0	0.499353279	1	0.998	0	s2	PSMA7
HMGA1	0	0.496343666	0.997	0.97	0	s2	HMGA1
UBB	0	0.495921239	1	0.995	0	s2	UBB
KNSTRN	0	0.495268542	0.411	0.173	0	s2	KNSTRN
HDGF	0	0.493036081	0.937	0.823	0	s2	HDGF
PRMT1	0	0.49301294	0.987	0.935	0	s2	PRMT1
ILF3	0	0.489160584	0.878	0.718	0	s2	ILF3
H3F3B	0	0.486757424	1	0.999	0	s2	H3F3B
PSMC3	0	0.485921914	0.942	0.833	0	s2	PSMC3
EIF5	0	0.484926421	0.948	0.862	0	s2	EIF5
HOMER3	0	0.484751461	0.833	0.667	0	s2	HOMER3
AURKAIP1	0	0.483935535	0.994	0.966	0	s2	AURKAIP1
PSIP1	0	0.483868977	0.842	0.648	0	s2	PSIP1
SNRPF	0	0.483267118	0.972	0.902	0	s2	SNRPF
HMG20B	0	0.480926937	0.742	0.544	0	s2	HMG20B
TOP1	0	0.480260173	0.939	0.849	0	s2	TOP1
PSMD12	0	0.477249123	0.837	0.69	0	s2	PSMD12
DNMT1	0	0.475726721	0.77	0.549	0	s2	DNMT1
DDX46	0	0.474991092	0.861	0.708	0	s2	DDX46
PSMC5	0	0.472361081	0.937	0.847	0	s2	PSMC5
FLOT1	0	0.470620537	0.783	0.582	0	s2	FLOT1
COX20	0	0.470312512	0.904	0.769	0	s2	COX20
COPRS	0	0.467605744	0.777	0.611	0	s2	COPRS
KIF4A	0	0.467599295	0.364	0.109	0	s2	KIF4A
MCM7	0	0.467133992	0.543	0.249	0	s2	MCM7
BANF1	0	0.466567793	0.978	0.914	0	s2	BANF1
MRPL12	0	0.466252388	0.869	0.728	0	s2	MRPL12
EZR	0	0.466222267	0.823	0.624	0	s2	EZR
ARL6IP1	0	0.463521582	0.569	0.395	0	s2	ARL6IP1
CENPH	0	0.463156028	0.526	0.238	0	s2	CENPH
PDAP1	0	0.462417649	0.987	0.946	0	s2	PDAP1
EIF6	0	0.456224498	0.916	0.812	0	s2	EIF6
PRELID1	0	0.456031153	0.999	0.988	0	s2	PRELID1

DRAP1	0	0.455714977	0.999	0.992	0	s2	DRAP1
LMNB2	0	0.454096361	0.52	0.261	0	s2	LMNB2
KHDRBS1	0	0.452417594	0.969	0.897	0	s2	KHDRBS1
SERBP1	0	0.45149067	1	0.997	0	s2	SERBP1
C1QBP	0	0.450639548	0.975	0.915	0	s2	C1QBP
RBMX	0	0.449820286	0.905	0.78	0	s2	RBMX
ARPC5L	0	0.448407379	0.851	0.713	0	s2	ARPC5L
BCLAF1	0	0.446912463	0.851	0.714	0	s2	BCLAF1
FUS	0	0.446571427	0.942	0.826	0	s2	FUS
MRPL51	0	0.446550826	0.996	0.985	0	s2	MRPL51
PSMB3	0	0.444904007	0.98	0.917	0	s2	PSMB3
HSPH1	0	0.443025722	0.681	0.489	0	s2	HSPH1
TRIP13	0	0.441687366	0.417	0.135	0	s2	TRIP13
MTDH	0	0.441545386	0.997	0.982	0	s2	MTDH
STIP1	0	0.441254364	0.798	0.626	0	s2	STIP1
PSMA4	0	0.440615247	0.961	0.879	0	s2	PSMA4
CKAP5	0	0.439837647	0.612	0.433	0	s2	CKAP5
GPATCH4	0	0.439407951	0.632	0.42	0	s2	GPATCH4
UBE2L3	0	0.439012322	0.963	0.892	0	s2	UBE2L3
PLIN3	0	0.438645884	0.964	0.895	0	s2	PLIN3
H2AFX	0	0.436458504	0.54	0.307	0	s2	H2AFX
SEPHS1	0	0.435536695	0.607	0.381	0	s2	SEPHS1
RHEB	0	0.434714546	0.971	0.925	0	s2	RHEB
ERH	0	0.434401503	0.972	0.911	0	s2	ERH
CCT4	0	0.433528898	0.981	0.934	0	s2	CCT4
LMNB1	0	0.432949163	0.393	0.162	0	s2	LMNB1
ECI2	0	0.431452401	0.959	0.888	0	s2	ECI2
CCT7	0	0.430950135	0.966	0.89	0	s2	CCT7
CMSS1	0	0.430430478	0.725	0.52	0	s2	CMSS1
PEBP1	0	0.43035397	0.989	0.948	0	s2	PEBP1
ECT2	0	0.430185782	0.447	0.251	0	s2	ECT2
NAE1	0	0.430086308	0.696	0.501	0	s2	NAE1
HNRNPH1	0	0.429361982	0.739	0.555	0	s2	HNRNPH1
HRAS	0	0.427165285	0.822	0.67	0	s2	HRAS
ANP32A	0	0.426639965	0.874	0.731	0	s2	ANP32A
HSP90AB1	0	0.425506248	1	0.999	0	s2	HSP90AB1
PIN1	0	0.424879382	0.901	0.791	0	s2	PIN1
HNRNPK	0	0.424580042	0.996	0.977	0	s2	HNRNPK
POLD2	0	0.424447833	0.728	0.541	0	s2	POLD2
RANGAP1	0	0.424070682	0.582	0.359	0	s2	RANGAP1
KNL1	0	0.423643674	0.343	0.114	0	s2	KNL1
THRAP3	0	0.423589624	0.928	0.837	0	s2	THRAP3
HSPA4	0	0.423478823	0.806	0.66	0	s2	HSPA4

SRP9	0	0.422806782	0.935	0.842	0	s2	SRP9
COMMD4	0	0.422522841	0.684	0.485	0	s2	COMMD4
VDAC3	0	0.422513254	0.808	0.666	0	s2	VDAC3
GTF2A2	0	0.422344555	0.923	0.833	0	s2	GTF2A2
SLC25A5	0	0.421489075	0.996	0.974	0	s2	SLC25A5
PSMD1	0	0.42107912	0.932	0.823	0	s2	PSMD1
PAICS	0	0.420626653	0.82	0.664	0	s2	PAICS
PAFAH1B3	0	0.419858226	0.673	0.468	0	s2	PAFAH1B3
KPNB1	0	0.419251509	0.987	0.945	0	s2	KPNB1
EIF4G2	0	0.417613477	0.998	0.984	0	s2	EIF4G2
NOP58	0	0.41608181	0.658	0.463	0	s2	NOP58
CCDC34	0	0.415034288	0.497	0.255	0	s2	CCDC34
LRRC59	0	0.414977199	0.943	0.846	0	s2	LRRC59
DUT	0	0.414265722	0.876	0.75	0	s2	DUT
PCMT1	0	0.413705774	0.883	0.755	0	s2	PCMT1
KIF22	0	0.413125291	0.417	0.181	0	s2	KIF22
MRPL22	0	0.413112377	0.796	0.645	0	s2	MRPL22
CCT3	0	0.412634951	0.988	0.951	0	s2	CCT3
PARP1	0	0.41247105	0.733	0.537	0	s2	PARP1
SKA2	0	0.411801443	0.759	0.607	0	s2	SKA2
DKC1	0	0.411230197	0.731	0.555	0	s2	DKC1
BUB1B	0	0.410683877	0.311	0.102	0	s2	BUB1B
ADRM1	0	0.410461356	0.907	0.794	0	s2	ADRM1
HNRNPDI	0	0.409109875	0.978	0.926	0	s2	HNRNPDI
MRPL3	0	0.408496693	0.882	0.781	0	s2	MRPL3
DDX21	0	0.407578366	0.955	0.879	0	s2	DDX21
TCP1	0	0.406462648	0.897	0.799	0	s2	TCP1
GLRX5	0	0.406089773	0.886	0.769	0	s2	GLRX5
BCL2L12	0	0.406013932	0.492	0.26	0	s2	BCL2L12
MAGOHB	0	0.405751601	0.65	0.452	0	s2	MAGOHB
NPM1	0	0.405340184	1	1	0	s2	NPM1
TUBG1	0	0.403423865	0.638	0.424	0	s2	TUBG1
VCP	0	0.402441802	0.958	0.885	0	s2	VCP
PSMC1	0	0.400545213	0.964	0.903	0	s2	PSMC1
GTPBP4	0	0.40051413	0.844	0.718	0	s2	GTPBP4
MSN	0	0.400388506	0.988	0.946	0	s2	MSN
SSB	0	0.400315726	0.964	0.905	0	s2	SSB
GLRX3	0	0.398843875	0.838	0.703	0	s2	GLRX3
PGP	0	0.398812316	0.683	0.481	0	s2	PGP
TACC3	0	0.398784125	0.354	0.126	0	s2	TACC3
YBX1	0	0.398747118	1	1	0	s2	YBX1
CENPM	0	0.398550337	0.429	0.159	0	s2	CENPM
SHCBP1	0	0.397250533	0.376	0.13	0	s2	SHCBP1

WDR43	0	0.395048943	0.754	0.594	0	s2	WDR43
DHX9	0	0.394582785	0.632	0.443	0	s2	DHX9
PSMD14	0	0.394419203	0.907	0.797	0	s2	PSMD14
CSE1L	0	0.393892606	0.603	0.385	0	s2	CSE1L
PHB	0	0.392619868	0.966	0.892	0	s2	PHB
PUF60	0	0.392231931	0.817	0.677	0	s2	PUF60
ENO1	0	0.391793598	1	0.999	0	s2	ENO1
CCT8	0	0.391650033	0.979	0.935	0	s2	CCT8
VBP1	0	0.391597038	0.76	0.604	0	s2	VBP1
RPL7L1	0	0.390830816	0.864	0.753	0	s2	RPL7L1
PSMA3	0	0.389599077	0.924	0.827	0	s2	PSMA3
EMC9	0	0.389473682	0.528	0.315	0	s2	EMC9
PSMB6	0	0.388607625	0.993	0.966	0	s2	PSMB6
MAGOH	0	0.387163159	0.719	0.553	0	s2	MAGOH
ARHGDIA	0	0.385920286	0.98	0.927	0	s2	ARHGDIA
KIF23	0	0.385540402	0.39	0.202	0	s2	KIF23
PPIH	0	0.383708087	0.544	0.318	0	s2	PPIH
SSBP1	0	0.383248354	0.976	0.919	0	s2	SSBP1
ZNF326	0	0.383187865	0.534	0.329	0	s2	ZNF326
LBR	0	0.383041657	0.515	0.327	0	s2	LBR
EIF2S1	0	0.381977253	0.778	0.631	0	s2	EIF2S1
SNRPD3	0	0.381416964	0.967	0.921	0	s2	SNRPD3
ABCE1	0	0.381282727	0.76	0.615	0	s2	ABCE1
ARHGAP22	0	0.379303573	0.54	0.351	0	s2	ARHGAP22
MT-ND2	0	0.37918917	1	0.999	0	s2	MT-ND2
G3BP1	0	0.379108568	0.827	0.691	0	s2	G3BP1
C20orf27	0	0.376929994	0.659	0.48	0	s2	C20orf27
PYURF	0	0.376728334	0.748	0.599	0	s2	PYURF
SIVA1	0	0.37490905	0.882	0.78	0	s2	SIVA1
U2SURP	0	0.374383349	0.874	0.749	0	s2	U2SURP
MRPL47	0	0.372159808	0.83	0.703	0	s2	MRPL47
GTSE1	0	0.371328601	0.36	0.135	0	s2	GTSE1
FJX1	0	0.369470632	0.452	0.252	0	s2	FJX1
RRM1	0	0.369447559	0.625	0.397	0	s2	RRM1
PSMB7	0	0.369208306	0.972	0.927	0	s2	PSMB7
SMC1A	0	0.366984169	0.654	0.455	0	s2	SMC1A
AXL	0	0.366927896	0.898	0.799	0	s2	AXL
ACTL6A	0	0.366361537	0.578	0.386	0	s2	ACTL6A
PRDX1	0	0.365786902	1	0.998	0	s2	PRDX1
CALM3	0	0.365337202	0.94	0.869	0	s2	CALM3
TROAP	0	0.365171865	0.35	0.106	0	s2	TROAP
SF3A3	0	0.364146851	0.679	0.516	0	s2	SF3A3
EIF3A	0	0.363811048	0.993	0.972	0	s2	EIF3A

ATP5MC1	0	0.362526804	0.958	0.903	0	s2	ATP5MC1
DCTPP1	0	0.361199456	0.569	0.377	0	s2	DCTPP1
NHP2	0	0.360921384	0.981	0.935	0	s2	NHP2
UQCRFS1	0	0.360901042	0.932	0.859	0	s2	UQCRFS1
NDUFS6	0	0.359779128	0.987	0.941	0	s2	NDUFS6
NCAPG	0	0.359394688	0.367	0.149	0	s2	NCAPG
SLIRP	0	0.358277706	0.979	0.941	0	s2	SLIRP
RPS26	0	0.357696253	1	1	0	s2	RPS26
HDAC2	0	0.357320147	0.841	0.718	0	s2	HDAC2
PSMC4	0	0.356965881	0.808	0.672	0	s2	PSMC4
RPS19BP1	0	0.356503892	0.911	0.835	0	s2	RPS19BP1
YWHAH	0	0.356347019	0.934	0.84	0	s2	YWHAH
RPL22L1	0	0.356343767	0.989	0.959	0	s2	RPL22L1
MRPL13	0	0.355905264	0.795	0.662	0	s2	MRPL13
YWHAZ	0	0.354624683	0.999	0.992	0	s2	YWHAZ
PSMD11	0	0.354438425	0.822	0.691	0	s2	PSMD11
DNAJC8	0	0.354323975	0.953	0.89	0	s2	DNAJC8
SAE1	0	0.354012565	0.679	0.506	0	s2	SAE1
STOML2	0	0.353920636	0.926	0.852	0	s2	STOML2
ENDOG	0	0.353602375	0.453	0.254	0	s2	ENDOG
ELOC	0	0.350224825	0.961	0.897	0	s2	ELOC
CFL1	0	0.350028036	1	1	0	s2	CFL1
NTMT1	0	0.347991277	0.878	0.779	0	s2	NTMT1
SUPT16H	0	0.347949686	0.835	0.705	0	s2	SUPT16H
EMP3	0	0.347735683	0.996	0.982	0	s2	EMP3
RSL1D1	0	0.347488908	0.909	0.845	0	s2	RSL1D1
TIMM13	0	0.346811306	0.963	0.915	0	s2	TIMM13
KIF5B	0	0.346395911	0.987	0.971	0	s2	KIF5B
NDC80	0	0.344501627	0.296	0.127	0	s2	NDC80
PDCD5	0	0.343658173	0.99	0.968	0	s2	PDCD5
PRRC2C	0	0.343024399	0.985	0.961	0	s2	PRRC2C
TRIM28	0	0.342888104	0.854	0.733	0	s2	TRIM28
C12orf75	0	0.342578461	0.999	0.988	0	s2	C12orf75
HSPA8	0	0.341996771	0.997	0.995	0	s2	HSPA8
CIT	0	0.341441083	0.305	0.09	0	s2	CIT
PSMB2	0	0.341143867	0.965	0.905	0	s2	PSMB2
ATP5MC3	0	0.340617506	0.995	0.983	0	s2	ATP5MC3
SPAG5	0	0.340049249	0.291	0.076	0	s2	SPAG5
EIF4A1	0	0.339773145	0.992	0.97	0	s2	EIF4A1
HNRNPC	0	0.339157182	0.998	0.988	0	s2	HNRNPC
NDUFB6	0	0.339102519	0.865	0.753	0	s2	NDUFB6
LSM2	0	0.338156548	0.832	0.711	0	s2	LSM2
MT-ND5	0	0.337841102	1	0.999	0	s2	MT-ND5

NCAPG2	0	0.337488966	0.364	0.141	0	s2	NCAPG2
ZWINT	0	0.337476135	0.401	0.164	0	s2	ZWINT
ZC3H15	0	0.335551399	0.964	0.924	0	s2	ZC3H15
CIP2A	0	0.335476944	0.338	0.136	0	s2	CIP2A
FOXM1	0	0.335009	0.369	0.14	0	s2	FOXM1
SF3B2	0	0.334035858	0.94	0.87	0	s2	SF3B2
NEK2	0	0.331815346	0.248	0.065	0	s2	NEK2
CD3EAP	0	0.331329189	0.385	0.201	0	s2	CD3EAP
SRRM1	0	0.326391004	0.939	0.878	0	s2	SRRM1
H2AFY	0	0.325729283	0.896	0.806	0	s2	H2AFY
SEPT7	0	0.32564003	0.999	0.991	0	s2	SEPT7
CLTA	0	0.325052451	0.997	0.987	0	s2	CLTA
PFDN2	0	0.324743793	0.992	0.969	0	s2	PFDN2
CBX3	0	0.317745554	0.981	0.953	0	s2	CBX3
MT-ATP6	0	0.317180962	1	1	0	s2	MT-ATP6
CENPA	0	0.315922781	0.291	0.097	0	s2	CENPA
ENY2	0	0.314486301	0.969	0.931	0	s2	ENY2
THOC7	0	0.313743825	0.925	0.852	0	s2	THOC7
ILF3-DT	0	0.311792748	0.314	0.132	0	s2	ILF3-DT
KIF14	0	0.310599905	0.254	0.095	0	s2	KIF14
POC1A	0	0.310441064	0.326	0.125	0	s2	POC1A
SNRPB2	0	0.309871661	0.949	0.893	0	s2	SNRPB2
SPA17	0	0.309626869	0.388	0.199	0	s2	SPA17
RPL36AL	0	0.30880763	1	0.999	0	s2	RPL36AL
PSMD7	0	0.308333677	0.973	0.931	0	s2	PSMD7
CDC42	0	0.306045863	0.995	0.984	0	s2	CDC42
LSM7	0	0.305985331	0.985	0.964	0	s2	LSM7
ADD45GII	0	0.305740156	0.996	0.986	0	s2	ADD45GII
LDHB	0	0.301962632	1	0.999	0	s2	LDHB
TAGLN2	0	0.299891001	1	0.994	0	s2	TAGLN2
RACGAP1	0	0.299074797	0.305	0.144	0	s2	RACGAP1
PARK7	0	0.2982355	0.999	0.997	0	s2	PARK7
MYBL2	0	0.293975168	0.379	0.157	0	s2	MYBL2
TNFRSF12A	0	0.291250045	0.997	0.982	0	s2	TNFRSF12A
GSTO1	0	0.290299117	0.998	0.989	0	s2	GSTO1
KTN1	0	0.290266256	0.996	0.986	0	s2	KTN1
KIF2C	0	0.289418514	0.279	0.107	0	s2	KIF2C
PSMB1	0	0.286296009	0.997	0.99	0	s2	PSMB1
COX8A	0	0.285070187	0.997	0.992	0	s2	COX8A
SPC25	0	0.284695893	0.299	0.111	0	s2	SPC25
ATP5F1B	0	0.283640147	0.997	0.986	0	s2	ATP5F1B
CENPK	0	0.277921766	0.406	0.198	0	s2	CENPK
HMGN1	0	0.275139642	1	0.999	0	s2	HMGN1

RAC1	0	0.270769469	1	0.999	0	s2	RAC1
GINS2	0	0.269728955	0.373	0.174	0	s2	GINS2
MT-CO2	0	0.268770912	1	1	0	s2	MT-CO2
AURKB	0	0.255434967	0.319	0.132	0	s2	AURKB
ARF1	0	0.25537321	0.999	0.994	0	s2	ARF1
PKM	0	0.253577272	1	0.999	0	s2	PKM
PPP1CA	7.10E-307	0.330074035	0.874	0.771	1.60E-302	s2	PPP1CA
MRPS26	4.62E-304	0.366018503	0.726	0.575	1.04E-299	s2	MRPS26
LRR1	2.90E-303	0.276044472	0.393	0.214	6.53E-299	s2	LRR1
DDX3X	4.52E-303	0.373892487	0.823	0.721	1.02E-298	s2	DDX3X
TMPO	2.22E-301	0.375398326	0.69	0.514	5.00E-297	s2	TMPO
DBN1	2.55E-301	0.373097748	0.817	0.701	5.74E-297	s2	DBN1
CYC1	1.66E-300	0.323469245	0.915	0.841	3.75E-296	s2	CYC1
UBE2N	4.73E-300	0.338705389	0.832	0.718	1.07E-295	s2	UBE2N
SMC3	6.10E-299	0.334317209	0.824	0.69	1.37E-294	s2	SMC3
SSNA1	1.27E-298	0.343117172	0.828	0.716	2.87E-294	s2	SSNA1
ALCAM	2.60E-298	0.374483164	0.842	0.718	5.87E-294	s2	ALCAM
PCM1	7.71E-297	0.373008917	0.707	0.552	1.74E-292	s2	PCM1
MRPS34	6.78E-296	0.307093846	0.949	0.904	1.53E-291	s2	MRPS34
POLR2F	8.70E-296	0.349314635	0.817	0.706	1.96E-291	s2	POLR2F
TXNDC17	2.00E-294	0.300500574	0.97	0.927	4.50E-290	s2	TXNDC17
GABPB1-AS	1.23E-292	0.385481394	0.469	0.296	2.77E-288	s2	GABPB1-AS
PRDX3	2.05E-290	0.317684075	0.893	0.812	4.61E-286	s2	PRDX3
MRPL52	3.07E-289	0.280488596	0.981	0.952	6.92E-285	s2	MRPL52
EIF5B	8.70E-289	0.283480215	0.985	0.96	1.96E-284	s2	EIF5B
C11orf58	1.00E-288	0.258511754	0.989	0.973	2.26E-284	s2	C11orf58
MRPL36	1.68E-288	0.353136223	0.793	0.675	3.80E-284	s2	MRPL36
PLP2	4.34E-288	0.309524494	0.939	0.879	9.78E-284	s2	PLP2
PSMD6	2.64E-287	0.353109715	0.754	0.613	5.95E-283	s2	PSMD6
SMARCA4	1.07E-286	0.351907694	0.76	0.623	2.42E-282	s2	SMARCA4
PRPF40A	1.14E-286	0.310224346	0.929	0.863	2.56E-282	s2	PRPF40A
UBE2M	5.09E-284	0.28861129	0.961	0.918	1.15E-279	s2	UBE2M
MAD2L2	2.86E-283	0.340864937	0.603	0.432	6.44E-279	s2	MAD2L2
COPS6	1.03E-282	0.272605188	0.984	0.95	2.32E-278	s2	COPS6
RALA	2.23E-279	0.357199479	0.86	0.758	5.03E-275	s2	RALA
LYAR	7.71E-279	0.344840324	0.527	0.351	1.74E-274	s2	LYAR
SMARCB1	2.30E-276	0.343225568	0.724	0.583	5.17E-272	s2	SMARCB1
PSME2	5.58E-275	0.29936638	0.93	0.845	1.26E-270	s2	PSME2
MRPS18C	1.56E-274	0.350577071	0.771	0.651	3.52E-270	s2	MRPS18C
RBM3	1.51E-272	0.290500196	0.978	0.918	3.41E-268	s2	RBM3
DNAJC9	2.80E-272	0.311904096	0.518	0.331	6.31E-268	s2	DNAJC9
CEP70	4.08E-271	0.260090922	0.31	0.16	9.18E-267	s2	CEP70
PNO1	8.21E-271	0.326265082	0.502	0.331	1.85E-266	s2	PNO1

UBE2I	8.27E-271	0.284416575	0.954	0.901	1.86E-266	s2	UBE2I
SRRT	1.54E-270	0.328277893	0.529	0.352	3.46E-266	s2	SRRT
CDC123	7.88E-270	0.338471228	0.776	0.653	1.77E-265	s2	CDC123
MLEC	2.69E-269	0.29489332	0.949	0.907	6.06E-265	s2	MLEC
RRS1	2.76E-269	0.271498744	0.367	0.204	6.23E-265	s2	RRS1
CNBP	5.45E-269	0.288754844	0.946	0.897	1.23E-264	s2	CNBP
SRP72	1.24E-267	0.284673348	0.943	0.9	2.80E-263	s2	SRP72
MRPL15	1.28E-267	0.349855002	0.691	0.541	2.88E-263	s2	MRPL15
DHFR	1.69E-267	0.281143273	0.476	0.294	3.80E-263	s2	DHFR
MDH1	3.01E-265	0.294738773	0.931	0.848	6.78E-261	s2	MDH1
EID1	4.62E-265	0.254472515	0.995	0.985	1.04E-260	s2	EID1
WDR34	1.08E-264	0.28745361	0.456	0.281	2.44E-260	s2	WDR34
MRPL54	3.01E-264	0.336251192	0.781	0.663	6.79E-260	s2	MRPL54
CD59	1.53E-263	0.287058015	0.98	0.954	3.44E-259	s2	CD59
SNRPA	5.63E-263	0.31920631	0.805	0.677	1.27E-258	s2	SNRPA
MRPL4	1.59E-261	0.325598515	0.775	0.648	3.59E-257	s2	MRPL4
ITGB1BP1	4.28E-261	0.322012075	0.838	0.752	9.65E-257	s2	ITGB1BP1
LTV1	1.28E-260	0.302908468	0.505	0.333	2.88E-256	s2	LTV1
BUB3	2.48E-260	0.335425708	0.785	0.662	5.58E-256	s2	BUB3
MLF2	1.86E-259	0.269402353	0.971	0.927	4.18E-255	s2	MLF2
DNAJC7	1.92E-258	0.311197437	0.854	0.76	4.34E-254	s2	DNAJC7
NOLC1	2.34E-258	0.339716692	0.612	0.448	5.27E-254	s2	NOLC1
USP14	2.91E-258	0.312852331	0.856	0.759	6.56E-254	s2	USP14
MIS18A	4.26E-258	0.266002545	0.36	0.199	9.59E-254	s2	MIS18A
NSD2	7.57E-258	0.295482129	0.507	0.325	1.71E-253	s2	NSD2
DNAJA1	9.28E-258	0.304746299	0.95	0.902	2.09E-253	s2	DNAJA1
MRPS12	9.32E-258	0.330476623	0.799	0.688	2.10E-253	s2	MRPS12
SPATS2L	1.29E-257	0.295990309	0.918	0.856	2.90E-253	s2	SPATS2L
DCTN3	8.47E-257	0.299601472	0.898	0.816	1.91E-252	s2	DCTN3
TOMM22	1.61E-256	0.304171005	0.856	0.773	3.62E-252	s2	TOMM22
NDUFAF8	3.34E-256	0.310883177	0.902	0.819	7.53E-252	s2	NDUFAF8
MRPS10	4.12E-256	0.322971362	0.766	0.641	9.28E-252	s2	MRPS10
ARHGAP18	1.81E-255	0.360574596	0.557	0.389	4.08E-251	s2	ARHGAP18
PSMC6	3.19E-255	0.319017386	0.806	0.696	7.18E-251	s2	PSMC6
ZNF706	1.08E-254	0.293240706	0.903	0.831	2.43E-250	s2	ZNF706
EWSR1	2.81E-254	0.319934921	0.713	0.565	6.33E-250	s2	EWSR1
MRPL27	1.23E-253	0.327069886	0.79	0.674	2.76E-249	s2	MRPL27
PAK1IP1	1.40E-252	0.310490526	0.538	0.369	3.17E-248	s2	PAK1IP1
UFD1	1.68E-252	0.325750562	0.785	0.662	3.79E-248	s2	UFD1
CCDC88A	7.84E-252	0.359097108	0.704	0.575	1.77E-247	s2	CCDC88A
SLTM	1.08E-250	0.339179716	0.771	0.655	2.42E-246	s2	SLTM
NDUFV2	1.52E-247	0.259765316	0.977	0.954	3.43E-243	s2	NDUFV2
SUMO3	4.82E-247	0.299783909	0.85	0.77	1.09E-242	s2	SUMO3

PSMD3	1.49E-246	0.316266492	0.796	0.685	3.36E-242	s2	PSMD3
EMC6	2.09E-246	0.310594095	0.857	0.777	4.70E-242	s2	EMC6
COA4	4.69E-246	0.316900051	0.824	0.729	1.06E-241	s2	COA4
ITGB3BP	9.06E-243	0.283800398	0.489	0.318	2.04E-238	s2	ITGB3BP
GTF3C6	1.05E-242	0.316947622	0.861	0.776	2.36E-238	s2	GTF3C6
STRAP	1.53E-242	0.262251325	0.962	0.924	3.46E-238	s2	STRAP
GPN3	1.58E-242	0.301937245	0.544	0.378	3.56E-238	s2	GPN3
DCAF13	4.99E-241	0.323500923	0.731	0.607	1.13E-236	s2	DCAF13
HTATSF1	1.99E-239	0.320571295	0.577	0.419	4.49E-235	s2	HTATSF1
TOMM34	3.03E-239	0.285755901	0.43	0.27	6.82E-235	s2	TOMM34
AHSA1	1.34E-238	0.31848995	0.722	0.59	3.03E-234	s2	AHSA1
RTCB	1.41E-237	0.310035909	0.763	0.644	3.17E-233	s2	RTCB
ARL3	1.53E-236	0.28125306	0.906	0.843	3.46E-232	s2	ARL3
TAF9	1.29E-234	0.306751155	0.793	0.682	2.90E-230	s2	TAF9
MRPS7	9.67E-234	0.314156428	0.746	0.623	2.18E-229	s2	MRPS7
MRPS23	4.94E-232	0.319847342	0.724	0.602	1.11E-227	s2	MRPS23
PTTG1IP	1.16E-231	0.316343616	0.911	0.853	2.62E-227	s2	PTTG1IP
MRFAP1	2.68E-231	0.256038502	0.959	0.928	6.04E-227	s2	MRFAP1
MRPL41	3.82E-231	0.267244119	0.967	0.932	8.61E-227	s2	MRPL41
EEF1E1	4.40E-231	0.30939301	0.676	0.531	9.91E-227	s2	EEF1E1
RBX1	4.50E-231	0.256375741	0.981	0.961	1.01E-226	s2	RBX1
HACD3	1.60E-230	0.328306976	0.681	0.548	3.61E-226	s2	HACD3
NIFK	2.27E-230	0.31736397	0.752	0.63	5.12E-226	s2	NIFK
TUFM	3.64E-230	0.261005541	0.957	0.919	8.20E-226	s2	TUFM
SRM	2.94E-229	0.260550078	0.992	0.979	6.63E-225	s2	SRM
KRT10	7.16E-229	0.285602176	0.943	0.892	1.61E-224	s2	KRT10
MRPL43	8.11E-229	0.298790261	0.811	0.719	1.83E-224	s2	MRPL43
TXNL4A	1.16E-227	0.274986344	0.923	0.871	2.61E-223	s2	TXNL4A
SDF2L1	4.58E-227	0.320513567	0.798	0.681	1.03E-222	s2	SDF2L1
DIRAS3	1.06E-226	0.726174412	0.541	0.393	2.39E-222	s2	DIRAS3
POLR2E	1.30E-225	0.280038059	0.879	0.797	2.94E-221	s2	POLR2E
POLR2J	2.43E-224	0.294904621	0.842	0.763	5.48E-220	s2	POLR2J
RRP7A	4.24E-224	0.324121915	0.691	0.558	9.55E-220	s2	RRP7A
BOLA3	2.16E-223	0.319795913	0.759	0.648	4.87E-219	s2	BOLA3
RPL26L1	7.65E-223	0.288678893	0.864	0.789	1.72E-218	s2	RPL26L1
NIP7	1.12E-222	0.301318231	0.515	0.364	2.52E-218	s2	NIP7
SEPT10	3.04E-222	0.32108575	0.724	0.599	6.85E-218	s2	SEPT10
PHLDA2	4.89E-222	0.270072763	0.968	0.894	1.10E-217	s2	PHLDA2
EIF4G1	1.18E-221	0.29105369	0.89	0.822	2.66E-217	s2	EIF4G1
GNG11	2.06E-220	0.321896943	0.836	0.719	4.64E-216	s2	GNG11
S100A10	1.09E-219	0.257466919	0.999	0.996	2.46E-215	s2	S100A10
POP7	2.04E-219	0.308221054	0.66	0.517	4.60E-215	s2	POP7
SON	3.87E-219	0.266879286	0.955	0.922	8.72E-215	s2	SON

SPTBN1	7.28E-219	0.307369171	0.929	0.868	1.64E-214	s2	SPTBN1
MTCH2	2.44E-218	0.2882732	0.798	0.691	5.49E-214	s2	MTCH2
MRPL11	6.91E-218	0.301527114	0.805	0.712	1.56E-213	s2	MRPL11
ATP1B3	8.33E-218	0.272214912	0.904	0.835	1.88E-213	s2	ATP1B3
CAP1	1.55E-217	0.250828344	0.999	0.993	3.50E-213	s2	CAP1
DAZAP1	1.60E-217	0.313468807	0.66	0.521	3.60E-213	s2	DAZAP1
ACOT7	5.94E-217	0.283880291	0.621	0.461	1.34E-212	s2	ACOT7
FAM136A	1.13E-216	0.311239402	0.657	0.524	2.54E-212	s2	FAM136A
GNL3	1.46E-216	0.299424475	0.825	0.737	3.29E-212	s2	GNL3
ISOC2	2.75E-216	0.305693371	0.753	0.636	6.21E-212	s2	ISOC2
PRPF31	3.23E-216	0.299974445	0.63	0.486	7.28E-212	s2	PRPF31
GCSH	7.00E-216	0.308371687	0.719	0.6	1.58E-211	s2	GCSH
MAZ	3.61E-215	0.298704105	0.781	0.673	8.14E-211	s2	MAZ
PPP1CC	9.71E-215	0.300072577	0.791	0.69	2.19E-210	s2	PPP1CC
GRK6	1.28E-214	0.265787626	0.455	0.3	2.88E-210	s2	GRK6
BRIX1	7.16E-214	0.291776677	0.645	0.497	1.61E-209	s2	BRIX1
RBM42	1.78E-213	0.295252029	0.635	0.492	4.00E-209	s2	RBM42
PAK2	3.58E-213	0.273398152	0.897	0.835	8.07E-209	s2	PAK2
CD44	4.20E-213	0.290079016	0.966	0.91	9.47E-209	s2	CD44
KPNA4	1.42E-211	0.309580696	0.731	0.613	3.20E-207	s2	KPNA4
CDV3	3.43E-211	0.253070416	0.97	0.944	7.74E-207	s2	CDV3
PSMA5	1.16E-210	0.258809069	0.916	0.854	2.62E-206	s2	PSMA5
CAPRIN1	4.89E-209	0.302566727	0.817	0.729	1.10E-204	s2	CAPRIN1
MYEF2	1.58E-208	0.292806703	0.411	0.26	3.56E-204	s2	MYEF2
DKK1	2.68E-208	0.414401787	0.785	0.658	6.05E-204	s2	DKK1
SMARCA5	4.13E-208	0.290831191	0.841	0.76	9.32E-204	s2	SMARCA5
MRPL28	5.23E-208	0.282567813	0.826	0.728	1.18E-203	s2	MRPL28
GRPEL1	1.53E-207	0.301597681	0.691	0.563	3.45E-203	s2	GRPEL1
FRMD6	1.67E-207	0.324910972	0.9	0.831	3.75E-203	s2	FRMD6
CCDC124	2.39E-207	0.272221373	0.856	0.775	5.38E-203	s2	CCDC124
RRP36	3.50E-207	0.295787927	0.679	0.547	7.88E-203	s2	RRP36
UCHL5	4.62E-207	0.289288164	0.547	0.396	1.04E-202	s2	UCHL5
EIF4A3	1.92E-206	0.290022209	0.632	0.492	4.33E-202	s2	EIF4A3
KDM1A	1.92E-205	0.303755606	0.707	0.585	4.31E-201	s2	KDM1A
TFAM	2.16E-205	0.283710838	0.511	0.36	4.87E-201	s2	TFAM
HNRNPF	2.47E-205	0.279753919	0.878	0.809	5.55E-201	s2	HNRNPF
NQO1	4.40E-205	0.270107073	0.917	0.818	9.92E-201	s2	NQO1
SELENOH	1.16E-204	0.276695924	0.919	0.861	2.62E-200	s2	SELENOH
PFDN1	5.09E-204	0.266654095	0.892	0.826	1.15E-199	s2	PFDN1
SSSCA1	5.29E-204	0.305384853	0.691	0.568	1.19E-199	s2	SSSCA1
NCS1	1.51E-203	0.307809827	0.667	0.54	3.39E-199	s2	NCS1
DNTTIP2	2.13E-203	0.30513489	0.613	0.479	4.80E-199	s2	DNTTIP2
NOP16	4.88E-203	0.258655527	0.419	0.27	1.10E-198	s2	NOP16

CCDC59	8.40E-203	0.300377682	0.695	0.574	1.89E-198	s2	CCDC59
BCCIP	1.21E-202	0.281645829	0.552	0.404	2.72E-198	s2	BCCIP
PSMD13	3.89E-202	0.257969603	0.902	0.837	8.77E-198	s2	PSMD13
UBA2	1.86E-201	0.295939968	0.708	0.585	4.18E-197	s2	UBA2
GAR1	3.37E-201	0.289202712	0.532	0.389	7.59E-197	s2	GAR1
TMEM106C	2.05E-200	0.268420489	0.513	0.36	4.62E-196	s2	TMEM106C
GOT1	4.69E-199	0.281560072	0.506	0.356	1.06E-194	s2	GOT1
SMARCC1	1.13E-198	0.290648056	0.781	0.675	2.54E-194	s2	SMARCC1
GLO1	1.75E-198	0.281954367	0.769	0.668	3.95E-194	s2	GLO1
CNIH4	2.69E-198	0.283302189	0.851	0.784	6.07E-194	s2	CNIH4
CTNNAL1	4.77E-198	0.26721149	0.909	0.846	1.07E-193	s2	CTNNAL1
FBL	8.19E-198	0.26615582	0.852	0.767	1.85E-193	s2	FBL
TXNL1	3.30E-197	0.268901894	0.888	0.829	7.44E-193	s2	TXNL1
PSMD4	1.13E-196	0.259660215	0.877	0.814	2.55E-192	s2	PSMD4
XRN2	2.09E-195	0.263873014	0.871	0.807	4.70E-191	s2	XRN2
NAP1L4	1.32E-194	0.2782658	0.812	0.72	2.98E-190	s2	NAP1L4
EMG1	1.50E-194	0.277127553	0.581	0.438	3.38E-190	s2	EMG1
SRSF5	3.40E-194	0.269467384	0.861	0.784	7.66E-190	s2	SRSF5
CCND1	1.17E-193	0.42966007	0.985	0.975	2.63E-189	s2	CCND1
TCERG1	1.14E-192	0.288356818	0.651	0.52	2.57E-188	s2	TCERG1
HMGN3	3.31E-192	0.314499537	0.698	0.585	7.46E-188	s2	HMGN3
NOSIP	3.89E-192	0.285705274	0.64	0.507	8.76E-188	s2	NOSIP
IMP4	6.01E-192	0.288879547	0.706	0.591	1.35E-187	s2	IMP4
PLEKHJ1	7.49E-192	0.279772929	0.756	0.647	1.69E-187	s2	PLEKHJ1
NONO	1.17E-191	0.265829641	0.859	0.79	2.63E-187	s2	NONO
IPHOSPH1	1.63E-190	0.291163428	0.645	0.517	3.68E-186	s2	IPHOSPH1
DDX24	1.78E-190	0.256762056	0.906	0.858	4.02E-186	s2	DDX24
ANAPC15	5.07E-190	0.282250168	0.635	0.502	1.14E-185	s2	ANAPC15
IFRD2	5.28E-190	0.283928298	0.559	0.417	1.19E-185	s2	IFRD2
BRD7	9.23E-190	0.290108878	0.709	0.599	2.08E-185	s2	BRD7
DEF8	1.17E-189	0.275437929	0.796	0.694	2.65E-185	s2	DEF8
BOP1	1.22E-189	0.267974938	0.458	0.314	2.75E-185	s2	BOP1
HNRNPUL1	4.23E-189	0.283883152	0.756	0.647	9.53E-185	s2	HNRNPUL1
TBCB	6.89E-189	0.254363781	0.842	0.743	1.55E-184	s2	TBCB
TMX2	7.99E-189	0.281649189	0.561	0.423	1.80E-184	s2	TMX2
UQCC3	9.28E-189	0.29376489	0.666	0.544	2.09E-184	s2	UQCC3
ANKRD11	9.77E-189	0.250144863	0.983	0.956	2.20E-184	s2	ANKRD11
ARHGDIB	1.46E-187	0.327684604	0.475	0.336	3.29E-183	s2	ARHGDIB
TBX3	4.97E-187	0.347090243	0.56	0.419	1.12E-182	s2	TBX3
TMEM126A	1.29E-186	0.289871939	0.693	0.576	2.90E-182	s2	TMEM126A
NCEH1	2.49E-186	0.282840459	0.418	0.278	5.60E-182	s2	NCEH1
BAZ1B	3.95E-186	0.296404872	0.732	0.621	8.90E-182	s2	BAZ1B
MRPL1	1.06E-185	0.28077891	0.643	0.509	2.39E-181	s2	MRPL1

UAP1	5.32E-185	0.258682878	0.847	0.741	1.20E-180	s2	UAP1
COA6	7.14E-185	0.287675499	0.63	0.507	1.61E-180	s2	COA6
ITPA	3.04E-184	0.27795894	0.633	0.497	6.86E-180	s2	ITPA
H1FX	2.45E-183	0.266139349	0.851	0.742	5.52E-179	s2	H1FX
SCLT1	1.26E-182	0.250619847	0.347	0.217	2.85E-178	s2	SCLT1
TXNDC12	4.78E-181	0.270574138	0.801	0.708	1.08E-176	s2	TXNDC12
PSMC2	7.62E-181	0.281428442	0.679	0.563	1.72E-176	s2	PSMC2
ELAVL1	1.39E-180	0.279299463	0.676	0.561	3.14E-176	s2	ELAVL1
ESF1	1.93E-180	0.27779349	0.563	0.428	4.34E-176	s2	ESF1
IK	1.89E-178	0.253152238	0.866	0.8	4.26E-174	s2	IK
NUDCD2	3.36E-178	0.279598859	0.634	0.511	7.57E-174	s2	NUDCD2
BRMS1	1.66E-177	0.254820523	0.484	0.344	3.73E-173	s2	BRMS1
NCBP2-AS2	2.66E-174	0.262501492	0.49	0.356	6.00E-170	s2	NCBP2-AS2
PDCL3	3.43E-174	0.259848397	0.517	0.379	7.72E-170	s2	PDCL3
RRP1B	4.63E-174	0.2678633	0.564	0.428	1.04E-169	s2	RRP1B
LYPD1	5.35E-174	0.388502295	0.708	0.603	1.21E-169	s2	LYPD1
EPB41L2	1.05E-173	0.290926489	0.625	0.504	2.36E-169	s2	EPB41L2
HDGFL3	1.49E-171	0.274532341	0.747	0.642	3.35E-167	s2	HDGFL3
CHCHD1	3.38E-170	0.265931199	0.785	0.692	7.61E-166	s2	CHCHD1
DCXR	6.37E-170	0.279501816	0.719	0.617	1.44E-165	s2	DCXR
UTP18	8.07E-170	0.260464028	0.515	0.381	1.82E-165	s2	UTP18
DHX29	7.46E-169	0.272402246	0.67	0.558	1.68E-164	s2	DHX29
FABP4	7.49E-169	0.2872118	0.336	0.207	1.69E-164	s2	FABP4
RBM17	1.02E-168	0.252616332	0.796	0.706	2.29E-164	s2	RBM17
ACIN1	2.03E-168	0.272620108	0.639	0.513	4.57E-164	s2	ACIN1
TIMM8B	1.92E-167	0.270366352	0.784	0.68	4.34E-163	s2	TIMM8B
TSR1	1.41E-166	0.264983161	0.573	0.444	3.18E-162	s2	TSR1
RNPS1	4.20E-166	0.253833057	0.809	0.721	9.47E-162	s2	RNPS1
CCAR1	5.73E-166	0.297301045	0.676	0.568	1.29E-161	s2	CCAR1
DCBLD2	7.83E-166	0.279382431	0.793	0.7	1.77E-161	s2	DCBLD2
BCL7C	1.02E-165	0.258506446	0.785	0.688	2.30E-161	s2	BCL7C
RNASEH2C	3.27E-165	0.270680596	0.765	0.672	7.36E-161	s2	RNASEH2C
DENR	1.63E-163	0.260093966	0.745	0.649	3.66E-159	s2	DENR
MRPS35	2.70E-163	0.264731827	0.662	0.549	6.09E-159	s2	MRPS35
CCDC137	7.84E-162	0.26288039	0.522	0.392	1.77E-157	s2	CCDC137
NUP37	1.44E-161	0.251291515	0.47	0.338	3.25E-157	s2	NUP37
DYNC1LI1	8.11E-161	0.267039035	0.719	0.612	1.83E-156	s2	DYNC1LI1
TCOF1	1.50E-159	0.253109311	0.514	0.382	3.37E-155	s2	TCOF1
NOC2L	6.60E-159	0.260217129	0.569	0.445	1.49E-154	s2	NOC2L
RECQL	7.35E-159	0.264254315	0.689	0.579	1.66E-154	s2	RECQL
GNPNAT1	8.10E-159	0.261584802	0.587	0.46	1.83E-154	s2	GNPNAT1
PPP2CA	1.85E-158	0.262921199	0.712	0.608	4.16E-154	s2	PPP2CA
DDX1	4.59E-158	0.253007185	0.812	0.727	1.03E-153	s2	DDX1

SNRNP25	1.11E-157	0.268735531	0.601	0.477	2.50E-153	s2	SNRNP25
NAA15	2.16E-157	0.258476083	0.537	0.409	4.86E-153	s2	NAA15
TIMM50	1.28E-156	0.254762929	0.617	0.495	2.88E-152	s2	TIMM50
TAF15	2.28E-156	0.267801429	0.646	0.528	5.15E-152	s2	TAF15
PUM3	2.83E-155	0.259082446	0.752	0.661	6.37E-151	s2	PUM3
PHAX	5.98E-155	0.266308771	0.652	0.542	1.35E-150	s2	PHAX
BMS1	1.18E-154	0.26673593	0.648	0.538	2.67E-150	s2	BMS1
CWC15	1.38E-153	0.252861596	0.786	0.7	3.11E-149	s2	CWC15
ABCF1	4.31E-153	0.250115577	0.785	0.699	9.71E-149	s2	ABCF1
FUBP1	4.45E-151	0.267149091	0.639	0.523	1.00E-146	s2	FUBP1
HSPB11	5.19E-150	0.25788674	0.65	0.541	1.17E-145	s2	HSPB11
IMP3	3.72E-147	0.25093498	0.562	0.442	8.37E-143	s2	IMP3
SVIP	1.47E-146	0.261558672	0.533	0.408	3.31E-142	s2	SVIP
EFHD2	3.35E-146	0.263095709	0.588	0.475	7.56E-142	s2	EFHD2
RAB8A	4.57E-144	0.258544763	0.634	0.525	1.03E-139	s2	RAB8A
KPNA3	6.55E-144	0.251753743	0.656	0.552	1.48E-139	s2	KPNA3
BAZ1A	2.06E-141	0.254417564	0.662	0.55	4.64E-137	s2	BAZ1A
MT-ND6	2.50E-134	0.254629934	0.814	0.722	5.63E-130	s2	MT-ND6
DNAJC2	6.26E-132	0.252046623	0.637	0.535	1.41E-127	s2	DNAJC2
SLC9A3R2	1.01E-129	0.293795355	0.716	0.634	2.28E-125	s2	SLC9A3R2
WBP11	8.88E-125	0.250239685	0.596	0.495	2.00E-120	s2	WBP11
PHLDA1	4.58E-124	0.302106723	0.634	0.519	1.03E-119	s2	PHLDA1
SPDL1	1.83E-109	0.272728514	0.498	0.388	4.11E-105	s2	SPDL1
RGS4	5.47E-104	0.276709016	0.805	0.72	1.23E-99	s2	RGS4
FOXC2	8.84E-104	0.277607658	0.516	0.416	1.99E-99	s2	FOXC2
KRT19	4.43E-103	0.446048573	0.797	0.728	9.98E-99	s2	KRT19
RGMB	7.27E-100	0.282134551	0.487	0.385	1.64E-95	s2	RGMB
ADAMTS1	7.27E-40	0.255512257	0.447	0.393	1.64E-35	s2	ADAMTS1
TOP2A	0	2.528193662	0.663	0.173	0	s3	TOP2A
UBE2C	0	2.009511166	0.604	0.127	0	s3	UBE2C
HIST1H4C	0	1.898346662	0.952	0.93	0	s3	HIST1H4C
CENPF1	0	1.764150402	0.504	0.223	0	s3	CENPF
MKI671	0	1.58878296	0.517	0.143	0	s3	MKI67
HIST1H1B	0	1.467705068	0.358	0.065	0	s3	HIST1H1B
CDK1	0	1.466702124	0.493	0.083	0	s3	CDK1
HMGB21	0	1.389964083	0.696	0.52	0	s3	HMGB2
ASPM1	0	1.339625482	0.498	0.183	0	s3	ASPM
TPX21	0	1.322355775	0.526	0.258	0	s3	TPX2
KPNA21	0	1.304775753	0.672	0.478	0	s3	KPNA2
NUSAP11	0	1.265934071	0.484	0.184	0	s3	NUSAP1
CKS21	0	1.229783056	0.612	0.413	0	s3	CKS2
SMC41	0	1.166982035	0.619	0.415	0	s3	SMC4
CENPE1	0	1.150633424	0.439	0.149	0	s3	CENPE

ANLN1	0	1.076408084	0.471	0.162	0	s3	ANLN
CKAP21	0	1.07453353	0.541	0.281	0	s3	CKAP2
AURKA1	0	1.031943	0.426	0.137	0	s3	AURKA
HIST1H1D	0	1.021650467	0.393	0.157	0	s3	HIST1H1D
KIF231	0	1.018641219	0.481	0.165	0	s3	KIF23
KIF20B1	0	1.001926034	0.492	0.194	0	s3	KIF20B
GTSE11	0	1.000637814	0.433	0.1	0	s3	GTSE1
CCNA21	0	0.920027115	0.437	0.123	0	s3	CCNA2
TYMS1	0	0.919118106	0.558	0.323	0	s3	TYMS
NCAPG1	0	0.910663447	0.437	0.115	0	s3	NCAPG
RRM21	0	0.907972576	0.498	0.2	0	s3	RRM2
PBK1	0	0.897741887	0.456	0.153	0	s3	PBK
CCNB11	0	0.881944876	0.463	0.233	0	s3	CCNB1
SGO21	0	0.877387519	0.426	0.125	0	s3	SGO2
UBE2T1	0	0.877255091	0.561	0.31	0	s3	UBE2T
CDC201	0	0.870200672	0.568	0.185	0	s3	CDC20
AURKB1	0	0.8694125	0.429	0.089	0	s3	AURKB
PLK11	0	0.86225459	0.388	0.116	0	s3	PLK1
HJURP	0	0.852448672	0.379	0.054	0	s3	HJURP
NUF21	0	0.830585068	0.407	0.109	0	s3	NUF2
H2AFX1	0	0.823331282	0.543	0.288	0	s3	H2AFX
CKS1B1	0	0.822680795	0.604	0.42	0	s3	CKS1B
HMMR1	0	0.822525125	0.413	0.141	0	s3	HMMR
CKAP2L	0	0.822206241	0.44	0.12	0	s3	CKAP2L
NDC801	0	0.804667511	0.405	0.086	0	s3	NDC80
CDCA8	0	0.803358022	0.382	0.067	0	s3	CDCA8
CEP551	0	0.793671896	0.433	0.152	0	s3	CEP55
ARL6IP11	0	0.788850277	0.573	0.381	0	s3	ARL6IP1
DLGAP51	0	0.776949161	0.4	0.163	0	s3	DLGAP5
TUBB4B1	0	0.773511473	0.914	0.878	0	s3	TUBB4B
KIF2C1	0	0.773442216	0.377	0.069	0	s3	KIF2C
TMPO1	0	0.765597774	0.668	0.506	0	s3	TMPO
KIF11	0	0.764321625	0.396	0.088	0	s3	KIF11
STMN11	0	0.757449493	0.813	0.732	0	s3	STMN1
CDCA2	0	0.755529675	0.381	0.074	0	s3	CDCA2
FBXO5	0	0.738052424	0.424	0.111	0	s3	FBXO5
DEPDC11	0	0.724078892	0.384	0.112	0	s3	DEPDC1
HIST1H1E	0	0.721432353	0.384	0.172	0	s3	HIST1H1E
BIRC51	0	0.721027902	0.525	0.297	0	s3	BIRC5
SPC251	0	0.710381373	0.386	0.074	0	s3	SPC25
HIST1H1C	0	0.709113253	0.483	0.302	0	s3	HIST1H1C
TACC31	0	0.703389747	0.391	0.099	0	s3	TACC3
KNL11	0	0.699183314	0.38	0.088	0	s3	KNL1

DIAPH31	0	0.692384455	0.685	0.508	0	s3	DIAPH3
MAD2L11	0	0.685188176	0.492	0.238	0	s3	MAD2L1
H2AFZ1	0	0.675211558	0.993	0.99	0	s3	H2AFZ
DBF4	0	0.67022543	0.508	0.25	0	s3	DBF4
CLSPN	0	0.667479204	0.392	0.142	0	s3	CLSPN
ZWINT1	0	0.662161364	0.422	0.141	0	s3	ZWINT
RHGAP11	0	0.650682031	0.409	0.131	0	s3	RHGAP11
CENPA1	0	0.640723432	0.329	0.072	0	s3	CENPA
CENPK1	0	0.623196575	0.445	0.172	0	s3	CENPK
SHCBP11	0	0.613532719	0.396	0.106	0	s3	SHCBP1
ECT21	0	0.609484331	0.473	0.23	0	s3	ECT2
KIFC1	0	0.605788643	0.352	0.058	0	s3	KIFC1
SGO1	0	0.602583194	0.364	0.073	0	s3	SGO1
ATAD2	0	0.601146336	0.52	0.309	0	s3	ATAD2
UBE2S1	0	0.600778338	0.927	0.898	0	s3	UBE2S
PCLAF1	0	0.595573314	0.658	0.461	0	s3	PCLAF
DEK1	0	0.585948597	0.95	0.923	0	s3	DEK
TTK	0	0.584010788	0.325	0.052	0	s3	TTK
KIF4A1	0	0.58106494	0.359	0.091	0	s3	KIF4A
BUB1B1	0	0.577551249	0.35	0.076	0	s3	BUB1B
BUB31	0	0.576072319	0.781	0.654	0	s3	BUB3
FAM83D	0	0.574254896	0.305	0.046	0	s3	FAM83D
PRR111	0	0.571021362	0.433	0.197	0	s3	PRR11
ORC6	0	0.561307948	0.411	0.14	0	s3	ORC6
TUBA1C1	0	0.554636937	0.981	0.973	0	s3	TUBA1C
SPDL11	0	0.553335697	0.577	0.359	0	s3	SPDL1
KIF141	0	0.548707617	0.318	0.066	0	s3	KIF14
KNSTRN1	0	0.547084754	0.384	0.162	0	s3	KNSTRN
FOSL1	0	0.545097756	0.518	0.319	0	s3	FOSL1
CENPW1	0	0.544206852	0.583	0.379	0	s3	CENPW
DTYMK1	0	0.544005569	0.672	0.516	0	s3	DTYMK
SMC21	0	0.543808795	0.513	0.289	0	s3	SMC2
CDC25B	0	0.543278096	0.368	0.153	0	s3	CDC25B
RRM11	0	0.541858346	0.593	0.388	0	s3	RRM1
CCNB21	0	0.541821868	0.406	0.196	0	s3	CCNB2
KIF221	0	0.540152039	0.415	0.164	0	s3	KIF22
MCM71	0	0.538010382	0.475	0.244	0	s3	MCM7
BUB11	0	0.537956438	0.341	0.111	0	s3	BUB1
TK11	0	0.536595319	0.594	0.399	0	s3	TK1
DNAJC91	0	0.521795811	0.516	0.318	0	s3	DNAJC9
CENPU	0	0.520414606	0.367	0.115	0	s3	CENPU
MELK	0	0.518681743	0.377	0.108	0	s3	MELK
RACGAP11	0	0.513989596	0.373	0.114	0	s3	RACGAP1

CDKN31	0	0.50838155	0.49	0.29	0	s3	CDKN3
MIS18BP1	0	0.505419537	0.617	0.422	0	s3	MIS18BP1
HIST1H1A	0	0.502087889	0.2	0.045	0	s3	HIST1H1A
MYBL21	0	0.501780912	0.383	0.139	0	s3	MYBL2
DNMT11	0	0.501534037	0.7	0.55	0	s3	DNMT1
SMC1A1	0	0.499742903	0.616	0.449	0	s3	SMC1A
RAD51AP1	0	0.49702927	0.336	0.072	0	s3	RAD51AP1
CDCA31	0	0.49175749	0.327	0.114	0	s3	CDCA3
PTTG11	0	0.488328669	0.75	0.614	0	s3	PTTG1
ESCO2	0	0.486544826	0.295	0.043	0	s3	ESCO2
HELLS	0	0.486347077	0.4	0.192	0	s3	HELLS
PIF1	0	0.483860345	0.265	0.057	0	s3	PIF1
PRC11	0	0.482451511	0.369	0.134	0	s3	PRC1
USP1	0	0.473069298	0.552	0.358	0	s3	USP1
HMGB11	0	0.469988359	0.994	0.993	0	s3	HMGB1
RAD211	0	0.463713842	0.882	0.815	0	s3	RAD21
CIP2A1	0	0.463336561	0.359	0.115	0	s3	CIP2A
CDCA4	0	0.463330223	0.414	0.179	0	s3	CDCA4
PCNA	0	0.462168205	0.48	0.3	0	s3	PCNA
FOXM11	0	0.46216687	0.372	0.122	0	s3	FOXM1
KIF18A	0	0.459484219	0.334	0.107	0	s3	KIF18A
CKAP51	0	0.459056701	0.587	0.426	0	s3	CKAP5
LMNB11	0	0.458454869	0.372	0.15	0	s3	LMNB1
NSD21	0	0.454887456	0.513	0.309	0	s3	NSD2
FAM111A	0	0.451226151	0.425	0.197	0	s3	FAM111A
NASP1	0	0.448554181	0.698	0.566	0	s3	NASP
MXD3	0	0.445347442	0.291	0.067	0	s3	MXD3
TUBA1B1	0	0.443553451	0.995	0.992	0	s3	TUBA1B
NCAPH	0	0.442807987	0.291	0.047	0	s3	NCAPH
INCENP	0	0.441133475	0.284	0.053	0	s3	INCENP
CBX51	0	0.440032348	0.78	0.684	0	s3	CBX5
UBALD2	0	0.437806916	0.451	0.277	0	s3	UBALD2
PSRC1	0	0.432207948	0.302	0.089	0	s3	PSRC1
HIST2H2AC	0	0.430969202	0.307	0.138	0	s3	HIST2H2AC
NCAPD3	0	0.430481371	0.379	0.154	0	s3	NCAPD3
VRK1	0	0.429477094	0.414	0.186	0	s3	VRK1
CCNF	0	0.427842566	0.264	0.039	0	s3	CCNF
SMC31	0	0.425664446	0.785	0.69	0	s3	SMC3
NCAPD21	0	0.423335877	0.459	0.26	0	s3	NCAPD2
CDCA5	0	0.419601613	0.292	0.052	0	s3	CDCA5
KMT5A	0	0.418652481	0.585	0.421	0	s3	KMT5A
NEK21	0	0.417253284	0.238	0.053	0	s3	NEK2
PGP1	0	0.4145149	0.635	0.478	0	s3	PGP

HMGB31	0	0.413644784	0.572	0.413	0	s3	HMGB3
MIS18A1	0	0.408727984	0.401	0.176	0	s3	MIS18A
DUT1	0	0.408136899	0.833	0.751	0	s3	DUT
FEN1	0	0.408049575	0.343	0.137	0	s3	FEN1
SKA3	0	0.408025355	0.295	0.061	0	s3	SKA3
RPL39L1	0	0.403970007	0.573	0.398	0	s3	RPL39L
KIF15	0	0.395779896	0.273	0.05	0	s3	KIF15
EZH2	0	0.394199199	0.374	0.165	0	s3	EZH2
DHFR1	0	0.392756149	0.473	0.281	0	s3	DHFR
HSPA81	0	0.391792191	0.996	0.995	0	s3	HSPA8
TUBB1	0	0.388468466	1	0.999	0	s3	TUBB
NCAPG21	0	0.38825502	0.342	0.13	0	s3	NCAPG2
GMNN	0	0.38598976	0.467	0.268	0	s3	GMNN
GINS21	0	0.383807563	0.359	0.162	0	s3	GINS2
GAS2L3	0	0.38283182	0.244	0.05	0	s3	GAS2L3
BRCA2	0	0.381464005	0.325	0.115	0	s3	BRCA2
FANCI	0	0.381042145	0.322	0.111	0	s3	FANCI
BARD1	0	0.380306866	0.353	0.141	0	s3	BARD1
CENPM1	0	0.377641263	0.361	0.155	0	s3	CENPM
CSE1L1	0	0.37680943	0.557	0.38	0	s3	CSE1L
TRIP131	0	0.375585192	0.343	0.132	0	s3	TRIP13
BRCA1	0	0.373660025	0.299	0.092	0	s3	BRCA1
SYNE2	0	0.372773516	0.388	0.204	0	s3	SYNE2
RANGAP1	0	0.372673629	0.523	0.356	0	s3	RANGAP1
CDKN2D	0	0.371890304	0.417	0.231	0	s3	CDKN2D
CENPN1	0	0.368423965	0.461	0.26	0	s3	CENPN
POC1A1	0	0.365863573	0.321	0.111	0	s3	POC1A
CDC45	0	0.363413067	0.275	0.067	0	s3	CDC45
PHF191	0	0.361491916	0.483	0.316	0	s3	PHF19
ASF1B	0	0.360544465	0.273	0.06	0	s3	ASF1B
EXOSC81	0	0.357077269	0.581	0.425	0	s3	EXOSC8
SAP30	0	0.356279175	0.431	0.26	0	s3	SAP30
MND1	0	0.355272532	0.29	0.08	0	s3	MND1
PIMREG1	0	0.354094761	0.315	0.136	0	s3	PIMREG
C21orf58	0	0.349393594	0.28	0.076	0	s3	C21orf58
G2E3	0	0.348059523	0.465	0.299	0	s3	G2E3
CMC2	0	0.347718227	0.659	0.509	0	s3	CMC2
LMNB21	0	0.345964652	0.445	0.26	0	s3	LMNB2
CIT1	0	0.345644282	0.272	0.082	0	s3	CIT
RFC3	0	0.344917668	0.313	0.109	0	s3	RFC3
CENPH1	0	0.337768489	0.43	0.24	0	s3	CENPH
CDK5RAP2	0	0.336849835	0.449	0.271	0	s3	CDK5RAP2
SKA1	0	0.335388191	0.241	0.04	0	s3	SKA1

GPSM2	0	0.333203875	0.288	0.118	0	s3	GPSM2
SPAG51	0	0.332286937	0.259	0.068	0	s3	SPAG5
MCM5	0	0.329907755	0.341	0.163	0	s3	MCM5
NEIL3	0	0.322849526	0.219	0.027	0	s3	NEIL3
CENPJ	0	0.3162892	0.337	0.145	0	s3	CENPJ
E2F7	0	0.315506073	0.255	0.078	0	s3	E2F7
CTCF	0	0.314142681	0.482	0.316	0	s3	CTCF
CCDC341	0	0.31127515	0.431	0.253	0	s3	CCDC34
CEP128	0	0.310755141	0.245	0.064	0	s3	CEP128
BCL2L121	0	0.308683491	0.432	0.257	0	s3	BCL2L12
TEDC1	0	0.308173235	0.263	0.075	0	s3	TEDC1
ITGB3BP1	0	0.305221402	0.48	0.307	0	s3	ITGB3BP
EMP2	0	0.304675831	0.357	0.183	0	s3	EMP2
HAUS8	0	0.303559421	0.27	0.08	0	s3	HAUS8
RAD18	0	0.303528858	0.378	0.201	0	s3	RAD18
CDT1	0	0.300104959	0.307	0.126	0	s3	CDT1
CCDC18	0	0.299324646	0.282	0.103	0	s3	CCDC18
PKMYT1	0	0.299065141	0.23	0.052	0	s3	PKMYT1
PSMC3IP	0	0.298149268	0.278	0.103	0	s3	PSMC3IP
RFC4	0	0.296193785	0.369	0.199	0	s3	RFC4
MGME1	0	0.2874448	0.355	0.173	0	s3	MGME1
LRR11	0	0.28543289	0.374	0.205	0	s3	LRR1
LIG1	0	0.282985085	0.282	0.113	0	s3	LIG1
TTF2	0	0.282465477	0.348	0.186	0	s3	TTF2
PCNT	0	0.282136894	0.322	0.154	0	s3	PCNT
MCM4	0	0.281887968	0.313	0.159	0	s3	MCM4
MYBL1	0	0.278048414	0.226	0.063	0	s3	MYBL1
STIL	0	0.274420995	0.21	0.039	0	s3	STIL
CENPL	0	0.27233936	0.252	0.081	0	s3	CENPL
TROAP1	0	0.272145329	0.263	0.11	0	s3	TROAP
ATAD5	0	0.267895778	0.249	0.085	0	s3	ATAD5
SPC24	0	0.265438136	0.241	0.074	0	s3	SPC24
RFC2	0	0.263202882	0.331	0.177	0	s3	RFC2
CEP57L1	0	0.262922598	0.417	0.255	0	s3	CEP57L1
HYLS1	0	0.262463685	0.235	0.082	0	s3	HYLS1
CEP78	0	0.261066913	0.314	0.157	0	s3	CEP78
TCF19	0	0.260570294	0.228	0.07	0	s3	TCF19
MASTL	0	0.259931969	0.244	0.08	0	s3	MASTL
BRIP1	0	0.258828494	0.25	0.092	0	s3	BRIP1
ERCC6L	0	0.256842091	0.191	0.03	0	s3	ERCC6L
CEP152	0	0.255692418	0.258	0.102	0	s3	CEP152
CHAF1A	0	0.255424988	0.283	0.124	0	s3	CHAF1A
CDC25C	0	0.250899836	0.178	0.028	0	s3	CDC25C

PSIP11	6.21E-307	0.382352269	0.757	0.654	1.40E-302	s3	PSIP1
POLD3	8.93E-306	0.262107556	0.334	0.186	2.01E-301	s3	POLD3
CHEK1	1.47E-301	0.260112928	0.431	0.267	3.31E-297	s3	CHEK1
RANBP11	1.18E-299	0.39553226	0.939	0.92	2.65E-295	s3	RANBP1
WDR341	1.51E-293	0.277548157	0.43	0.274	3.40E-289	s3	WDR34
CENPX1	1.40E-292	0.438263228	0.658	0.532	3.16E-288	s3	CENPX
PARP11	1.68E-292	0.386000367	0.669	0.538	3.79E-288	s3	PARP1
YWHAH1	6.36E-292	0.358517897	0.888	0.844	1.43E-287	s3	YWHAH
NUCKS11	5.83E-291	0.317625054	0.986	0.979	1.31E-286	s3	NUCKS1
KPNB11	6.18E-291	0.293102962	0.968	0.947	1.39E-286	s3	KPNB1
FUS1	5.28E-290	0.345947689	0.882	0.832	1.19E-285	s3	FUS
DDX39A1	1.18E-289	0.322541579	0.48	0.322	2.65E-285	s3	DDX39A
TMEM106C	4.87E-287	0.306109363	0.505	0.35	1.10E-282	s3	TMEM106C
PRKDC1	9.24E-284	0.354478922	0.896	0.852	2.08E-279	s3	PRKDC
MZT11	5.93E-283	0.320555319	0.58	0.429	1.34E-278	s3	MZT1
BRD8	1.94E-278	0.281190088	0.404	0.254	4.38E-274	s3	BRD8
PHIP	3.05E-278	0.298830603	0.613	0.457	6.87E-274	s3	PHIP
CACYBP1	7.23E-277	0.37137929	0.738	0.629	1.63E-272	s3	CACYBP
TEX30	3.10E-275	0.259251965	0.446	0.291	6.98E-271	s3	TEX30
SNRPB1	2.57E-274	0.345869921	0.954	0.942	5.79E-270	s3	SNRPB
HMGN21	1.51E-273	0.331976793	0.981	0.973	3.40E-269	s3	HMGN2
EXOSC9	6.68E-264	0.274321239	0.46	0.309	1.51E-259	s3	EXOSC9
SNRPD11	3.92E-263	0.352070845	0.914	0.882	8.83E-259	s3	SNRPD1
SMTN	8.20E-257	0.327727092	0.65	0.513	1.85E-252	s3	SMTN
ARHGAP22	3.89E-255	0.317095151	0.497	0.348	8.77E-251	s3	ARHGAP22
PA2G41	1.57E-254	0.297688154	0.954	0.934	3.53E-250	s3	PA2G4
DIAPH1	1.37E-251	0.277558827	0.545	0.396	3.09E-247	s3	DIAPH1
ANP32E1	1.24E-250	0.371780749	0.736	0.633	2.80E-246	s3	ANP32E
WEE1	2.83E-249	0.278042688	0.454	0.307	6.38E-245	s3	WEE1
H1FX1	2.22E-246	0.40423572	0.82	0.741	5.01E-242	s3	H1FX
SRSF31	2.23E-246	0.357916394	0.917	0.885	5.03E-242	s3	SRSF3
TUBG11	2.89E-245	0.286196672	0.567	0.425	6.51E-241	s3	TUBG1
RPA31	8.82E-245	0.297772407	0.632	0.495	1.99E-240	s3	RPA3
TPRKB1	1.69E-244	0.272360792	0.551	0.404	3.82E-240	s3	TPRKB
LSM31	3.64E-244	0.313901372	0.844	0.776	8.20E-240	s3	LSM3
HAT1	2.20E-243	0.268916304	0.48	0.336	4.95E-239	s3	HAT1
NCEH11	6.79E-242	0.259391222	0.414	0.268	1.53E-237	s3	NCEH1
PPM1G1	8.43E-242	0.331407449	0.861	0.805	1.90E-237	s3	PPM1G
WBP111	1.31E-237	0.26947118	0.621	0.481	2.95E-233	s3	WBP11
SSRP11	1.76E-237	0.285115172	0.772	0.658	3.97E-233	s3	SSRP1
TUBB61	2.29E-237	0.30440937	0.949	0.937	5.17E-233	s3	TUBB6
PTGES31	6.13E-233	0.261424834	0.981	0.977	1.38E-228	s3	PTGES3
HSP90AA11	2.54E-230	0.363560534	0.999	0.998	5.72E-226	s3	HSP90AA1

XRCC51	4.65E-230	0.290995565	0.968	0.956	1.05E-225	s3	XRCC5
SAC3D1	3.11E-229	0.269976803	0.453	0.315	7.02E-225	s3	SAC3D1
H2AFV1	2.19E-225	0.253524265	0.933	0.903	4.93E-221	s3	H2AFV
EZR1	1.59E-221	0.373616027	0.732	0.631	3.59E-217	s3	EZR
RBMX1	1.72E-221	0.272442211	0.858	0.783	3.89E-217	s3	RBMX
HNRNPD1	6.75E-220	0.322456821	0.876	0.833	1.52E-215	s3	HNRNPD
SAE11	1.41E-219	0.268701247	0.632	0.505	3.17E-215	s3	SAE1
NAP1L41	1.22E-211	0.272397924	0.805	0.715	2.76E-207	s3	NAP1L4
NUDT11	7.07E-211	0.269583981	0.635	0.503	1.59E-206	s3	NUDT1
HNRNPAB	3.92E-210	0.354575563	0.911	0.888	8.84E-206	s3	HNRNPAB
NFRSF12A	9.66E-209	0.323465172	0.984	0.984	2.18E-204	s3	NFRSF12A
ALYREF1	5.25E-208	0.264574906	0.639	0.511	1.18E-203	s3	ALYREF
JPT11	1.57E-207	0.33208601	0.961	0.944	3.54E-203	s3	JPT1
MCM3	4.41E-207	0.254965274	0.335	0.208	9.93E-203	s3	MCM3
SUPT16H1	1.17E-206	0.320286012	0.783	0.708	2.63E-202	s3	SUPT16H
MYEF21	9.65E-205	0.262518097	0.384	0.255	2.17E-200	s3	MYEF2
LSM41	7.74E-203	0.270839856	0.861	0.802	1.74E-198	s3	LSM4
SFPQ1	1.06E-200	0.323425424	0.868	0.814	2.39E-196	s3	SFPQ
SMCHD1	2.04E-198	0.250320583	0.652	0.526	4.59E-194	s3	SMCHD1
DCAF7	6.47E-197	0.254885631	0.59	0.462	1.46E-192	s3	DCAF7
RBM8A1	1.69E-195	0.262114727	0.921	0.891	3.81E-191	s3	RBM8A
HMGA11	4.10E-192	0.254993871	0.982	0.972	9.23E-188	s3	HMGA1
POP71	6.92E-192	0.264397939	0.631	0.514	1.56E-187	s3	POP7
XPO1	3.45E-190	0.269142774	0.765	0.674	7.77E-186	s3	XPO1
SRSF21	3.01E-189	0.30152813	0.767	0.682	6.78E-185	s3	SRSF2
TOMM401	3.66E-179	0.289878814	0.67	0.564	8.24E-175	s3	TOMM40
LSM51	6.29E-179	0.253743517	0.758	0.665	1.42E-174	s3	LSM5
HP1BP3	2.92E-173	0.277634618	0.884	0.839	6.57E-169	s3	HP1BP3
SIVA11	1.51E-165	0.276955644	0.84	0.783	3.39E-161	s3	SIVA1
HSPH11	7.42E-161	0.270382911	0.605	0.493	1.67E-156	s3	HSPH1
FST	3.68E-157	0.489228687	0.644	0.541	8.29E-153	s3	FST
FABP51	2.58E-152	0.312045917	0.89	0.858	5.80E-148	s3	FABP5
ID1	2.05E-138	0.368638035	0.569	0.453	4.63E-134	s3	ID1
ARHGAP29	4.60E-119	0.26372902	0.433	0.334	1.04E-114	s3	ARHGAP29
TM4SF1	3.88E-117	0.294991701	0.66	0.56	8.75E-113	s3	TM4SF1
RGS41	6.05E-115	0.419757289	0.769	0.723	1.36E-110	s3	RGS4
FABP41	1.62E-93	0.250509347	0.292	0.209	3.66E-89	s3	FABP4
AKAP12	7.24E-86	0.256540779	0.79	0.727	1.63E-81	s3	AKAP12
CXCL11	2.80E-55	0.292991968	0.6	0.536	6.31E-51	s3	CXCL1
GDF15	7.87E-33	0.31118938	0.434	0.381	1.77E-28	s3	GDF15
CXCL81	5.95E-27	0.413193463	0.523	0.476	1.34E-22	s3	CXCL8
TXNIP1	0	0.673370252	0.906	0.775	0	s4	TXNIP
CCDC80	0	0.53975038	0.998	0.995	0	s4	CCDC80

CYR61	0	0.492223946	0.994	0.987	0	s4	CYR61
SERPINE1	1.20E-289	0.574714057	0.993	0.988	2.71E-285	s4	SERPINE1
RPS29	3.22E-288	0.260229668	1	1	7.27E-284	s4	RPS29
MT-ND3	2.41E-282	0.27000122	1	1	5.43E-278	s4	MT-ND3
DAB2	7.89E-270	0.471977289	0.958	0.911	1.78E-265	s4	DAB2
SNHG8	4.46E-265	0.398827304	0.963	0.92	1.01E-260	s4	SNHG8
RCN1	1.77E-244	0.331927748	0.989	0.975	3.98E-240	s4	RCN1
ABI3BP	2.07E-238	0.441985507	0.436	0.26	4.67E-234	s4	ABI3BP
P4HA11	1.24E-226	0.373229761	0.976	0.931	2.79E-222	s4	P4HA1
EIF4A2	7.01E-223	0.342822136	0.939	0.89	1.58E-218	s4	EIF4A2
ATP5ME	1.53E-219	0.255323802	0.999	0.997	3.44E-215	s4	ATP5ME
OXTR	1.72E-213	0.524660566	0.539	0.373	3.86E-209	s4	OXTR
ADAMTS6	1.44E-187	0.38787256	0.907	0.85	3.25E-183	s4	ADAMTS6
PGK1	3.12E-172	0.282297019	0.993	0.987	7.04E-168	s4	PGK1
CRIM1	9.25E-171	0.332988564	0.94	0.905	2.08E-166	s4	CRIM1
FGF21	2.60E-165	0.29875	0.955	0.898	5.86E-161	s4	FGF2
BNIP31	1.32E-156	0.289354024	0.949	0.907	2.98E-152	s4	BNIP3
TAF1D	2.18E-150	0.290328138	0.887	0.837	4.91E-146	s4	TAF1D
BDNF	3.65E-144	0.353298381	0.807	0.708	8.21E-140	s4	BDNF
USP53	5.46E-139	0.417626747	0.504	0.374	1.23E-134	s4	USP53
RPS17	2.89E-138	0.266572499	0.933	0.897	6.52E-134	s4	RPS17
TXNRD1	8.47E-131	0.360406047	0.957	0.94	1.91E-126	s4	TXNRD1
CCBE1	1.39E-126	0.299915109	0.375	0.249	3.14E-122	s4	CCBE1
RBPM5	4.32E-124	0.277022956	0.818	0.752	9.73E-120	s4	RBPM5
RND3	9.94E-118	0.489191847	0.874	0.839	2.24E-113	s4	RND3
DDIT4	1.02E-115	0.316068001	0.792	0.677	2.30E-111	s4	DDIT4
RCAN1	2.49E-110	0.401144496	0.674	0.584	5.60E-106	s4	RCAN1
IL32	3.64E-105	0.363094317	0.559	0.444	8.21E-101	s4	IL32
HCFC1R1	4.45E-99	0.273873785	0.783	0.715	1.00E-94	s4	HCFC1R1
STC2	5.48E-95	0.263403124	0.895	0.84	1.23E-90	s4	STC2
LMOD1	4.60E-86	0.267558712	0.639	0.532	1.04E-81	s4	LMOD1
MAP3K20	3.03E-85	0.252001794	0.78	0.721	6.82E-81	s4	MAP3K20
RAB3B	1.86E-69	0.260071005	0.682	0.61	4.20E-65	s4	RAB3B
PMAIP1	5.38E-69	0.263663601	0.425	0.329	1.21E-64	s4	PMAIP1
CFLAR	1.29E-68	0.25188127	0.641	0.57	2.91E-64	s4	CFLAR
MYLK1	3.79E-64	0.31370671	0.674	0.595	8.53E-60	s4	MYLK
LITAF	9.17E-64	0.265634395	0.558	0.476	2.07E-59	s4	LITAF
IGFBP5	1.57E-58	0.29064108	0.718	0.619	3.55E-54	s4	IGFBP5
KHDRBS3	4.33E-56	0.253098999	0.411	0.331	9.75E-52	s4	KHDRBS3
DES	6.27E-48	0.267161183	0.239	0.169	1.41E-43	s4	DES
CEMIP	6.22E-38	0.264579304	0.368	0.299	1.40E-33	s4	CEMIP
UCP2	2.83E-30	0.348918332	0.218	0.169	6.38E-26	s4	UCP2
GREM1	8.06E-21	0.273080093	0.712	0.709	1.82E-16	s4	GREM1

PTX3	1.78E-13	0.251851157	0.958	0.964	4.00E-09	s4	PTX3
PEG10	2.33E-12	0.282104416	0.55	0.53	5.26E-08	s4	PEG10
CLSPN1	0	1.413077054	0.813	0.164	0	s5	CLSPN
MCM31	0	1.377034728	0.866	0.205	0	s5	MCM3
NASP2	0	1.262482036	0.965	0.575	0	s5	NASP
HELLS1	0	1.25390026	0.831	0.206	0	s5	HELLS
MCM41	0	1.24150907	0.827	0.16	0	s5	MCM4
GINS22	0	1.184142662	0.8	0.174	0	s5	GINS2
ATAD21	0	1.15042758	0.847	0.329	0	s5	ATAD2
PCNA1	0	1.114509972	0.823	0.314	0	s5	PCNA
MCM72	0	1.088520278	0.839	0.265	0	s5	MCM7
MCM51	0	1.08700197	0.785	0.172	0	s5	MCM5
GMNN1	0	1.07809988	0.817	0.284	0	s5	GMNN
CDC6	0	1.075340756	0.675	0.07	0	s5	CDC6
FEN11	0	1.062960215	0.745	0.152	0	s5	FEN1
DNMT12	0	1.044397147	0.944	0.564	0	s5	DNMT1
ORC61	0	1.028915619	0.751	0.169	0	s5	ORC6
DNAJC92	0	1.024837396	0.829	0.336	0	s5	DNAJC9
MSH6	0	1.019686673	0.835	0.369	0	s5	MSH6
UHRF1	0	1.018862375	0.713	0.125	0	s5	UHRF1
SRSF71	0	1.016825323	0.979	0.805	0	s5	SRSF7
CHAF1A1	0	1.011466352	0.704	0.131	0	s5	CHAF1A
SLBP	0	1.009015387	0.915	0.562	0	s5	SLBP
FAM111B	0	0.966442101	0.561	0.043	0	s5	FAM111B
DCTPP11	0	0.951960308	0.831	0.384	0	s5	DCTPP1
MCM10	0	0.948136372	0.594	0.066	0	s5	MCM10
MCM6	0	0.948124661	0.747	0.215	0	s5	MCM6
USP11	0	0.938778807	0.838	0.377	0	s5	USP1
CDT11	0	0.931303918	0.687	0.138	0	s5	CDT1
HNRNPAB	0	0.922675245	0.994	0.888	0	s5	HNRNPAB
HIST1H1B1	0	0.911115709	0.381	0.112	0	s5	HIST1H1B
CENPX2	0	0.90784552	0.882	0.543	0	s5	CENPX
DTL	0	0.905427544	0.594	0.055	0	s5	DTL
TYMS2	0	0.893739735	0.819	0.35	0	s5	TYMS
WDR76	0	0.885382327	0.633	0.096	0	s5	WDR76
RGS42	0	0.882583505	0.928	0.723	0	s5	RGS4
PARP12	0	0.871673487	0.904	0.549	0	s5	PARP1
H2AFZ2	0	0.83308112	1	0.99	0	s5	H2AFZ
RANBP12	0	0.825384594	0.994	0.92	0	s5	RANBP1
NCL1	0	0.821465362	1	0.987	0	s5	NCL
SRSF22	0	0.806263128	0.944	0.688	0	s5	SRSF2
E2F1	0	0.798496895	0.595	0.097	0	s5	E2F1
STMN12	0	0.798452397	0.979	0.737	0	s5	STMN1

PRKDC2	0	0.793013652	0.989	0.855	0	s5	PRKDC
TUBA1B2	0	0.792195378	1	0.992	0	s5	TUBA1B
SMC1A2	0	0.789211766	0.846	0.466	0	s5	SMC1A
RFC41	0	0.787505914	0.669	0.213	0	s5	RFC4
BRCA11	0	0.785373159	0.574	0.114	0	s5	BRCA1
HNRNPD2	0	0.782711936	0.987	0.835	0	s5	HNRNPD
FABP52	0	0.782352023	0.981	0.859	0	s5	FABP5
HSP90AA12	0	0.775736389	1	0.998	0	s5	HSP90AA1
DEK2	0	0.773986593	0.996	0.925	0	s5	DEK
CENPU1	0	0.77308529	0.601	0.146	0	s5	CENPU
CCND11	0	0.76716891	0.995	0.976	0	s5	CCND1
NOP561	0	0.758099541	0.905	0.593	0	s5	NOP56
C19orf48	0	0.747614942	0.741	0.333	0	s5	C19orf48
CCNE2	0	0.740642611	0.463	0.023	0	s5	CCNE2
EBNA1BP2	0	0.733293155	0.926	0.659	0	s5	EBNA1BP2
SNRPB3	0	0.731526594	0.996	0.942	0	s5	SNRPB
ATAD51	0	0.727581361	0.547	0.098	0	s5	ATAD5
SNRPD12	0	0.724775345	0.988	0.884	0	s5	SNRPD1
PHLDA21	0	0.714374954	0.992	0.901	0	s5	PHLDA2
PPM1G2	0	0.713254468	0.967	0.81	0	s5	PPM1G
SDF2L11	0	0.712807717	0.902	0.688	0	s5	SDF2L1
DUT2	0	0.710218903	0.946	0.759	0	s5	DUT
PCLAF2	0	0.706473566	0.826	0.486	0	s5	PCLAF
HSPA82	0	0.704503204	1	0.995	0	s5	HSPA8
PSMC3IP1	0	0.704404924	0.55	0.12	0	s5	PSMC3IP
RFC21	0	0.703899357	0.623	0.189	0	s5	RFC2
TK12	0	0.701767232	0.824	0.421	0	s5	TK1
FBXO51	0	0.700213064	0.514	0.158	0	s5	FBXO5
PGP2	0	0.699073168	0.836	0.495	0	s5	PGP
MRTO41	0	0.699068788	0.841	0.504	0	s5	MRTO4
SUPT16H2	0	0.697040103	0.933	0.713	0	s5	SUPT16H
TOMM402	0	0.693686936	0.871	0.572	0	s5	TOMM40
HBEGF	0	0.693673364	0.677	0.358	0	s5	HBEGF
SRSF32	0	0.692428318	0.989	0.887	0	s5	SRSF3
CDCA7	0	0.687442585	0.525	0.079	0	s5	CDCA7
CACYBP2	0	0.686129017	0.919	0.638	0	s5	CACYBP
HNRNPM1	0	0.682692043	0.978	0.785	0	s5	HNRNPM
EIF1AX1	0	0.674347759	0.985	0.893	0	s5	EIF1AX
CENPK2	0	0.673637591	0.638	0.209	0	s5	CENPK
HMGB12	0	0.665371674	1	0.993	0	s5	HMGB1
FUS2	0	0.660223464	0.98	0.836	0	s5	FUS
HMGA12	0	0.660103059	0.999	0.973	0	s5	HMGA1
POLD31	0	0.657744481	0.606	0.198	0	s5	POLD3

RFC31	0	0.655732501	0.546	0.132	0	s5	RFC3
CCT51	0	0.654312266	0.986	0.901	0	s5	CCT5
POP72	0	0.653004714	0.836	0.524	0	s5	POP7
PPP1R14B1	0	0.651368589	0.999	0.993	0	s5	PPP1R14B
HNRNPU1	0	0.647961914	0.992	0.931	0	s5	HNRNPU
MSH2	0	0.646074812	0.588	0.186	0	s5	MSH2
RRM12	0	0.643516853	0.783	0.413	0	s5	RRM1
TPM31	0	0.643251645	0.999	0.982	0	s5	TPM3
HSPE11	0	0.643066926	0.991	0.939	0	s5	HSPE1
XRCC52	0	0.637997505	0.998	0.956	0	s5	XRCC5
PA2G42	0	0.637604218	0.989	0.935	0	s5	PA2G4
RAN1	0	0.637290689	1	0.997	0	s5	RAN
CHEK11	0	0.634282364	0.668	0.284	0	s5	CHEK1
NME11	0	0.633074845	0.992	0.937	0	s5	NME1
POLR3K	0	0.633020272	0.685	0.331	0	s5	POLR3K
BARD11	0	0.631121898	0.56	0.167	0	s5	BARD1
HAT11	0	0.628472815	0.714	0.349	0	s5	HAT1
PTMA1	0	0.627254999	1	1	0	s5	PTMA
NRNPA2B	0	0.62310815	0.999	0.987	0	s5	NRNPA2B
BAZ1B1	0	0.617842032	0.886	0.625	0	s5	BAZ1B
HSPD11	0	0.617648413	1	0.991	0	s5	HSPD1
UBE2T2	0	0.607506821	0.767	0.342	0	s5	UBE2T
CCT6A1	0	0.606380337	0.995	0.952	0	s5	CCT6A
TMPO2	0	0.60446382	0.853	0.524	0	s5	TMPO
BRCA21	0	0.60242123	0.526	0.141	0	s5	BRCA2
GPATCH41	0	0.599449446	0.753	0.436	0	s5	GPATCH4
PSMD21	0	0.598662518	0.997	0.951	0	s5	PSMD2
SMC32	0	0.594543491	0.911	0.7	0	s5	SMC3
RPL22L11	0	0.592739156	0.998	0.962	0	s5	RPL22L1
SRSF10	0	0.592442117	0.894	0.664	0	s5	SRSF10
CBX52	0	0.591790855	0.922	0.693	0	s5	CBX5
CCT21	0	0.587646597	0.991	0.917	0	s5	CCT2
TIPIN	0	0.586117524	0.517	0.164	0	s5	TIPIN
CASP8AP2	0	0.583448662	0.592	0.232	0	s5	CASP8AP2
NAE11	0	0.58017255	0.822	0.515	0	s5	NAE1
HNRNPR1	0	0.579235783	0.962	0.831	0	s5	HNRNPR
UNG	0	0.579234038	0.47	0.109	0	s5	UNG
C1QBP1	0	0.566445814	0.987	0.921	0	s5	C1QBP
TOPBP1	0	0.561531253	0.588	0.227	0	s5	TOPBP1
VRK11	0	0.561078298	0.586	0.215	0	s5	VRK1
RAD181	0	0.559692592	0.57	0.221	0	s5	RAD18
HNRNPF1	0	0.552482223	0.95	0.812	0	s5	HNRNPF
EXOSC91	0	0.549182632	0.657	0.325	0	s5	EXOSC9

KPNB12	0	0.547979245	0.992	0.949	0	s5	KPNB1
DSN1	0	0.546334936	0.478	0.118	0	s5	DSN1
CENPW2	0	0.54554557	0.776	0.404	0	s5	CENPW
TUBB4B2	0	0.534783672	0.992	0.881	0	s5	TUBB4B
DHFR2	0	0.53310219	0.627	0.305	0	s5	DHFR
NUDC1	0	0.531787799	0.985	0.892	0	s5	NUDC
PRIM1	0	0.52673838	0.426	0.09	0	s5	PRIM1
MCM2	0	0.523500727	0.412	0.067	0	s5	MCM2
MMS22L	0	0.521213729	0.438	0.098	0	s5	MMS22L
MYBL22	0	0.520707675	0.512	0.173	0	s5	MYBL2
SNRPE1	0	0.516390296	0.981	0.912	0	s5	SNRPE
EZH21	0	0.51570011	0.534	0.192	0	s5	EZH2
CCND3	0	0.510590224	0.618	0.303	0	s5	CCND3
EIF5A1	0	0.510228316	0.998	0.974	0	s5	EIF5A
RPA2	0	0.509459332	0.546	0.225	0	s5	RPA2
SERBP11	0	0.502305249	1	0.997	0	s5	SERBP1
CDCA41	0	0.499723642	0.55	0.211	0	s5	CDCA4
WDHD1	0	0.495075179	0.43	0.104	0	s5	WDHD1
CALM11	0	0.49346725	1	0.993	0	s5	CALM1
RBBP8	0	0.491615531	0.543	0.241	0	s5	RBBP8
SET1	0	0.488943777	1	0.992	0	s5	SET
BRIP11	0	0.48819291	0.432	0.11	0	s5	BRIP1
ZWINT2	0	0.483038821	0.519	0.183	0	s5	ZWINT
NCAPD31	0	0.48178977	0.512	0.185	0	s5	NCAPD3
SLF1	0	0.479321731	0.45	0.125	0	s5	SLF1
EMP21	0	0.473585331	0.52	0.204	0	s5	EMP2
TCF191	0	0.471620573	0.398	0.088	0	s5	TCF19
MAD2L12	0	0.465225953	0.64	0.273	0	s5	MAD2L1
PAQR4	0	0.458917305	0.353	0.043	0	s5	PAQR4
FANCB	0	0.453220442	0.393	0.101	0	s5	FANCB
LMNB12	0	0.452045231	0.516	0.18	0	s5	LMNB1
POLA2	0	0.450956585	0.42	0.115	0	s5	POLA2
CENPM2	0	0.449032707	0.491	0.183	0	s5	CENPM
MASTL1	0	0.444615599	0.372	0.101	0	s5	MASTL
PKMYT11	0	0.44427324	0.352	0.076	0	s5	PKMYT1
FANCA	0	0.44169957	0.378	0.08	0	s5	FANCA
ASF1B1	0	0.437927674	0.37	0.091	0	s5	ASF1B
HAUS81	0	0.43791175	0.4	0.105	0	s5	HAUS8
BRI3BP	0	0.433381932	0.398	0.113	0	s5	BRI3BP
BLM	0	0.43337329	0.342	0.066	0	s5	BLM
LIG11	0	0.428328658	0.425	0.134	0	s5	LIG1
FIGNL1	0	0.412423352	0.356	0.075	0	s5	FIGNL1
CHAF1B	0	0.410358329	0.333	0.059	0	s5	CHAF1B

CDC25A	0	0.406260333	0.304	0.037	0	s5	CDC25A
NR2C2AP	0	0.383836982	0.39	0.129	0	s5	NR2C2AP
YBX11	0	0.376693705	1	1	0	s5	YBX1
CCNE1	0	0.369390353	0.313	0.079	0	s5	CCNE1
RBL1	0	0.367374264	0.315	0.063	0	s5	RBL1
CDC451	0	0.362204953	0.344	0.098	0	s5	CDC45
KLHL23	0	0.360510321	0.308	0.073	0	s5	KLHL23
RAD51AP1	0	0.356187225	0.368	0.114	0	s5	RAD51AP1
RFC5	0	0.34147898	0.325	0.089	0	s5	RFC5
CDCA51	0	0.337868068	0.314	0.091	0	s5	CDCA5
GIN54	0	0.333772541	0.307	0.078	0	s5	GIN54
XRCC2	0	0.329849168	0.25	0.038	0	s5	XRCC2
POLE2	0	0.325147999	0.29	0.075	0	s5	POLE2
RMI2	0	0.293943987	0.239	0.045	0	s5	RMI2
GIN51	0	0.291456848	0.254	0.054	0	s5	GIN51
POLE	0	0.289486686	0.257	0.062	0	s5	POLE
EXO1	0	0.280624172	0.206	0.031	0	s5	EXO1
ORC1	0	0.268569599	0.21	0.026	0	s5	ORC1
DPF1	0	0.261672065	0.224	0.048	0	s5	DPF1
TEDC2	0	0.253134523	0.225	0.051	0	s5	TEDC2
ESCO21	4.41E-307	0.330720717	0.3	0.084	9.94E-303	s5	ESCO2
MCM8	1.61E-306	0.289896804	0.274	0.074	3.64E-302	s5	MCM8
ABCE11	5.01E-303	0.576277797	0.878	0.624	1.13E-298	s5	ABCE1
TUBB2	3.13E-302	0.413537441	1	1	7.06E-298	s5	TUBB
MT-CO21	1.69E-301	0.37816134	1	1	3.80E-297	s5	MT-CO2
DCBLD21	8.99E-301	0.666761199	0.909	0.704	2.03E-296	s5	DCBLD2
EEF1E11	5.15E-300	0.556478542	0.83	0.538	1.16E-295	s5	EEF1E1
CCT31	2.69E-299	0.492704842	0.995	0.954	6.06E-295	s5	CCT3
ODC11	3.45E-299	0.683648095	0.909	0.705	7.78E-295	s5	ODC1
MTHFD1	4.15E-298	0.460216295	0.569	0.263	9.35E-294	s5	MTHFD1
BRIX11	6.20E-298	0.553776731	0.798	0.505	1.40E-293	s5	BRIX1
POLE3	2.59E-294	0.511968194	0.664	0.352	5.84E-290	s5	POLE3
PSIP12	3.62E-294	0.580373959	0.902	0.665	8.16E-290	s5	PSIP1
SSBP11	5.80E-294	0.488185499	0.991	0.924	1.31E-289	s5	SSBP1
DDX11	2.59E-292	0.285154155	0.254	0.067	5.84E-288	s5	DDX11
LRRC591	5.23E-290	0.521848323	0.968	0.855	1.18E-285	s5	LRRC59
PRDX11	8.50E-289	0.409763857	1	0.998	1.92E-284	s5	PRDX1
MIS18A2	4.29E-288	0.396965391	0.503	0.209	9.67E-284	s5	MIS18A
FANCI1	7.23E-288	0.370697014	0.398	0.143	1.63E-283	s5	FANCI
EIF2S11	1.75E-287	0.549895293	0.882	0.641	3.94E-283	s5	EIF2S1
CENPQ	5.38E-287	0.348159643	0.356	0.121	1.21E-282	s5	CENPQ
DTYMK2	3.40E-286	0.566672833	0.836	0.534	7.67E-282	s5	DTYMK
RPA1	1.87E-285	0.425986969	0.552	0.254	4.21E-281	s5	RPA1

HNRNPA3	2.99E-283	0.512090189	0.987	0.92	6.73E-279	s5	HNRNPA3
MSN1	7.06E-282	0.501058599	0.993	0.95	1.59E-277	s5	MSN
NOLC11	1.15E-281	0.536828038	0.751	0.459	2.58E-277	s5	NOLC1
ATAD3A	5.03E-281	0.495334678	0.657	0.349	1.13E-276	s5	ATAD3A
SMC22	1.25E-280	0.477832307	0.644	0.32	2.82E-276	s5	SMC2
CFL11	2.66E-280	0.316530006	1	1	5.99E-276	s5	CFL1
ALYREF2	2.52E-279	0.525222423	0.814	0.524	5.67E-275	s5	ALYREF
RIF1	4.60E-279	0.553437886	0.838	0.572	1.04E-274	s5	RIF1
ATP5MC11	8.93E-279	0.542795979	0.981	0.908	2.01E-274	s5	ATP5MC1
POLR1E	1.68E-278	0.482042531	0.581	0.291	3.78E-274	s5	POLR1E
EXOSC82	4.21E-278	0.518472363	0.757	0.442	9.49E-274	s5	EXOSC8
BAZ1A1	4.22E-278	0.552960852	0.821	0.554	9.50E-274	s5	BAZ1A
FJX11	6.10E-278	0.465730912	0.568	0.267	1.37E-273	s5	FJX1
LYAR1	9.10E-278	0.509620767	0.666	0.362	2.05E-273	s5	LYAR
ZMYND19	4.26E-277	0.453835431	0.532	0.249	9.61E-273	s5	ZMYND19
CYCS1	1.79E-276	0.480872192	0.99	0.93	4.03E-272	s5	CYCS
RMI1	1.84E-276	0.337709193	0.353	0.122	4.14E-272	s5	RMI1
DHX91	3.43E-276	0.538862557	0.753	0.456	7.72E-272	s5	DHX9
MT-ND21	1.51E-275	0.459397356	1	0.999	3.40E-271	s5	MT-ND2
TFAM1	1.65E-274	0.487228456	0.674	0.368	3.71E-270	s5	TFAM
XRCC61	1.93E-274	0.481912841	0.981	0.901	4.35E-270	s5	XRCC6
PAICS1	5.08E-274	0.547222105	0.894	0.676	1.14E-269	s5	PAICS
GGCT	1.71E-270	0.529426887	0.823	0.554	3.85E-266	s5	GGCT
ARL6IP6	9.04E-270	0.418046079	0.49	0.215	2.04E-265	s5	ARL6IP6
SYNCRIP1	4.17E-269	0.509713237	0.949	0.788	9.40E-265	s5	SYNCRIP
BZW11	2.47E-268	0.456743132	0.993	0.957	5.57E-264	s5	BZW1
GMPS	6.57E-268	0.536899635	0.845	0.595	1.48E-263	s5	GMPS
CENPJ1	6.68E-268	0.373753196	0.434	0.173	1.50E-263	s5	CENPJ
COPRS1	1.24E-267	0.660176879	0.858	0.624	2.78E-263	s5	COPRS
DDX461	7.59E-266	0.535744166	0.922	0.721	1.71E-261	s5	DDX46
TMEM97	3.27E-265	0.355419789	0.366	0.132	7.37E-261	s5	TMEM97
SIVA12	4.19E-265	0.577231463	0.929	0.789	9.44E-261	s5	SIVA1
PNN1	4.56E-265	0.541343283	0.922	0.755	1.03E-260	s5	PNN
LSM32	1.01E-264	0.537843513	0.939	0.783	2.28E-260	s5	LSM3
HSPH12	4.74E-264	0.539365606	0.79	0.503	1.07E-259	s5	HSPH1
PRIM2	1.88E-263	0.378335209	0.436	0.178	4.22E-259	s5	PRIM2
SLC29A1	6.08E-262	0.359041887	0.38	0.143	1.37E-257	s5	SLC29A1
LDHB1	6.39E-262	0.352347709	0.999	0.999	1.44E-257	s5	LDHB
UCHL51	2.11E-261	0.482072408	0.702	0.404	4.75E-257	s5	UCHL5
SMC42	4.73E-260	0.314673401	0.796	0.441	1.07E-255	s5	SMC4
SSRP12	5.30E-260	0.527574811	0.895	0.671	1.19E-255	s5	SSRP1
EMP31	6.62E-260	0.463777235	0.999	0.983	1.49E-255	s5	EMP3
SMURF2	8.81E-260	0.781629658	0.82	0.566	1.98E-255	s5	SMURF2

MRPL121	4.07E-259	0.543674425	0.919	0.74	9.16E-255	s5	MRPL12
CLIC11	1.29E-258	0.385439616	1	0.999	2.92E-254	s5	CLIC1
ARHGDIA	6.05E-257	0.449016739	0.99	0.932	1.36E-252	s5	ARHGDIA
JPT12	6.26E-257	0.486650613	0.995	0.945	1.41E-252	s5	JPT1
EZR2	6.83E-257	0.594423068	0.886	0.641	1.54E-252	s5	EZR
SUZ12	1.54E-255	0.499981646	0.732	0.454	3.47E-251	s5	SUZ12
CENPH2	1.16E-254	0.434689776	0.558	0.266	2.60E-250	s5	CENPH
EXOSC2	2.69E-253	0.387206696	0.458	0.197	6.07E-249	s5	EXOSC2
TFDP1	7.16E-253	0.464722734	0.711	0.412	1.61E-248	s5	TFDP1
TUBB62	2.42E-252	0.465726937	0.993	0.937	5.46E-248	s5	TUBB6
NXT1	2.30E-251	0.467862819	0.641	0.358	5.19E-247	s5	NXT1
NPM11	3.64E-251	0.366049283	1	1	8.20E-247	s5	NPM1
G3BP11	2.73E-250	0.494215143	0.915	0.7	6.16E-246	s5	G3BP1
PSMG1	2.87E-250	0.494971425	0.713	0.427	6.47E-246	s5	PSMG1
TNFRSF12A	3.67E-250	0.428773681	0.999	0.984	8.28E-246	s5	TNFRSF12A
LRR12	4.19E-250	0.406802488	0.499	0.227	9.45E-246	s5	LRR1
HAUS6	1.76E-249	0.423300475	0.533	0.256	3.97E-245	s5	HAUS6
NSD22	3.08E-249	0.42875814	0.646	0.337	6.95E-245	s5	NSD2
SRRM11	2.70E-248	0.475463548	0.974	0.882	6.08E-244	s5	SRRM1
SFPQ2	5.00E-248	0.480673757	0.97	0.818	1.13E-243	s5	SFPQ
YWHAH2	9.52E-248	0.484063701	0.97	0.848	2.15E-243	s5	YWHAH
CENPO	6.68E-247	0.277275114	0.283	0.089	1.50E-242	s5	CENPO
PTGES32	9.71E-247	0.432258072	0.997	0.977	2.19E-242	s5	PTGES3
CCDC1371	3.55E-246	0.474191275	0.683	0.397	8.01E-242	s5	CCDC137
ARGLU1	5.77E-245	0.534176625	0.921	0.754	1.30E-240	s5	ARGLU1
PSMC51	1.87E-244	0.488320945	0.964	0.855	4.20E-240	s5	PSMC5
LMNA1	6.84E-244	0.460851814	0.999	0.982	1.54E-239	s5	LMNA
CSE1L2	6.54E-243	0.464552243	0.698	0.402	1.47E-238	s5	CSE1L
POLD21	1.29E-241	0.505001332	0.815	0.556	2.91E-237	s5	POLD2
NOP581	7.35E-241	0.479184117	0.76	0.478	1.66E-236	s5	NOP58
UAP11	1.85E-240	0.530684756	0.935	0.748	4.16E-236	s5	UAP1
HMGA2	4.40E-240	0.585462674	0.778	0.502	9.91E-236	s5	HMGA2
ATP5MC31	4.49E-240	0.417665657	0.997	0.985	1.01E-235	s5	ATP5MC3
HSP90AB11	4.60E-239	0.36221208	1	0.999	1.04E-234	s5	HSP90AB1
ANKRD9	7.46E-238	0.41310271	0.511	0.248	1.68E-233	s5	ANKRD9
PSMD15	1.57E-237	0.463627533	0.961	0.833	3.54E-233	s5	PSMD1
FAM161A	4.16E-237	0.274863274	0.275	0.088	9.37E-233	s5	FAM161A
PRELID11	4.18E-237	0.421257969	0.997	0.989	9.42E-233	s5	PRELID1
NTMT11	9.96E-237	0.471942057	0.942	0.786	2.24E-232	s5	NTMT1
FN3KRP	1.10E-236	0.357425191	0.438	0.188	2.49E-232	s5	FN3KRP
RPA32	1.56E-236	0.486152505	0.792	0.51	3.51E-232	s5	RPA3
PRMT11	2.79E-235	0.450312002	0.989	0.94	6.28E-231	s5	PRMT1
ILF31	3.06E-235	0.487257621	0.921	0.733	6.89E-231	s5	ILF3

HHIP	3.63E-235	0.498596944	0.46	0.204	8.17E-231	s5	HHIP
YWHAQ1	1.36E-234	0.440021048	0.984	0.937	3.06E-230	s5	YWHAQ
MTAP	3.26E-234	0.474155165	0.693	0.416	7.35E-230	s5	MTAP
CD3EAP1	6.75E-234	0.423952686	0.47	0.216	1.52E-229	s5	CD3EAP
NAP1L42	1.01E-233	0.472793491	0.908	0.725	2.26E-229	s5	NAP1L4
MRPS261	2.44E-233	0.506891465	0.824	0.586	5.50E-229	s5	MRPS26
MYO19	8.90E-232	0.372386839	0.431	0.188	2.01E-227	s5	MYO19
MRPL151	1.18E-231	0.474364931	0.812	0.55	2.66E-227	s5	MRPL15
EIF4G21	1.56E-231	0.405537334	0.999	0.985	3.52E-227	s5	EIF4G2
SNRPA11	3.27E-231	0.51248316	0.846	0.609	7.38E-227	s5	SNRPA1
DNAJA11	4.93E-231	0.457812426	0.973	0.906	1.11E-226	s5	DNAJA1
GSPT11	6.95E-230	0.448144242	0.962	0.865	1.57E-225	s5	GSPT1
RNF219	9.08E-230	0.362975833	0.427	0.185	2.05E-225	s5	RNF219
BOP11	1.16E-229	0.426046964	0.602	0.322	2.62E-225	s5	BOP1
FKBP5	5.28E-229	0.356571552	0.407	0.171	1.19E-224	s5	FKBP5
CDK2	2.55E-228	0.307082326	0.328	0.12	5.75E-224	s5	CDK2
RUVBL11	4.01E-228	0.479841701	0.835	0.574	9.02E-224	s5	RUVBL1
ERH1	1.48E-227	0.416519062	0.979	0.917	3.34E-223	s5	ERH
PSMD121	5.29E-227	0.508934306	0.888	0.702	1.19E-222	s5	PSMD12
NSMCE4A	4.26E-226	0.402184206	0.572	0.298	9.59E-222	s5	NSMCE4A
SASS6	1.85E-225	0.302144397	0.322	0.117	4.16E-221	s5	SASS6
YEATS4	2.13E-223	0.383580824	0.476	0.223	4.79E-219	s5	YEATS4
RFWD3	2.16E-222	0.286164813	0.3	0.105	4.86E-218	s5	RFWD3
PPAT	2.60E-222	0.398379359	0.521	0.26	5.85E-218	s5	PPAT
MYBL11	5.44E-221	0.259457181	0.271	0.088	1.23E-216	s5	MYBL1
C21orf581	1.12E-220	0.284659232	0.307	0.108	2.52E-216	s5	C21orf58
SRM1	4.26E-220	0.421210577	0.995	0.981	9.59E-216	s5	SRM
ARPC5L1	1.60E-219	0.461696722	0.917	0.724	3.60E-215	s5	ARPC5L
MT2A1	1.78E-219	0.491209715	1	0.999	4.00E-215	s5	MT2A
WBP112	2.22E-219	0.447589575	0.764	0.497	5.00E-215	s5	WBP11
UTP20	2.41E-219	0.369602434	0.455	0.208	5.42E-215	s5	UTP20
WDR342	3.47E-219	0.392482676	0.568	0.293	7.82E-215	s5	WDR34
EIF61	6.31E-219	0.472799075	0.946	0.822	1.42E-214	s5	EIF6
TUBA1C2	9.53E-219	0.357612313	0.999	0.974	2.15E-214	s5	TUBA1C
CKS1B2	7.05E-217	0.346757303	0.776	0.443	1.59E-212	s5	CKS1B
PEBP11	1.66E-216	0.421301465	0.989	0.952	3.75E-212	s5	PEBP1
STIP11	1.86E-216	0.450938912	0.878	0.64	4.19E-212	s5	STIP1
PDAP11	2.45E-216	0.402084014	0.989	0.95	5.52E-212	s5	PDAP1
ICMT	1.02E-214	0.404584695	0.593	0.324	2.30E-210	s5	ICMT
PSMA71	1.63E-214	0.396082434	1	0.998	3.68E-210	s5	PSMA7
DRAP11	5.55E-213	0.370743374	1	0.993	1.25E-208	s5	DRAP1
FARSB	7.14E-213	0.407613876	0.598	0.327	1.61E-208	s5	FARSB
PNP	8.48E-213	0.408650988	0.608	0.333	1.91E-208	s5	PNP

GRWD1	8.68E-213	0.409172044	0.538	0.28	1.95E-208	s5	GRWD1
SPATA33	1.36E-212	0.352305574	0.436	0.198	3.07E-208	s5	SPATA33
TOE1	1.48E-212	0.270268668	0.291	0.102	3.33E-208	s5	TOE1
E2F71	4.28E-212	0.297074132	0.299	0.106	9.65E-208	s5	E2F7
C20orf271	5.16E-212	0.456412616	0.757	0.493	1.16E-207	s5	C20orf27
YWHAB	1.76E-211	0.344505611	1	0.989	3.96E-207	s5	YWHAB
U2SURP1	2.37E-211	0.450222504	0.925	0.759	5.35E-207	s5	U2SURP
NETO2	2.98E-211	0.418270806	0.585	0.312	6.72E-207	s5	NETO2
ENO11	4.23E-211	0.32332255	1	0.999	9.53E-207	s5	ENO1
ARHGAP18	8.71E-211	0.502671109	0.668	0.401	1.96E-206	s5	ARHGAP18
PHB1	1.57E-210	0.434040395	0.972	0.899	3.54E-206	s5	PHB
MCMBP	4.23E-210	0.40262359	0.567	0.305	9.53E-206	s5	MCMBP
ABHD11	5.97E-210	0.293169028	0.33	0.126	1.34E-205	s5	ABHD11
RBM31	1.09E-209	0.407382015	0.995	0.923	2.46E-205	s5	RBM3
MELK1	1.99E-209	0.302811854	0.378	0.152	4.48E-205	s5	MELK
HMGN22	3.85E-208	0.459464226	0.989	0.974	8.68E-204	s5	HMGN2
MND11	4.58E-207	0.296947628	0.31	0.114	1.03E-202	s5	MND1
GCSH1	5.43E-207	0.444505658	0.845	0.606	1.22E-202	s5	GCSH
DKC11	1.10E-206	0.456708232	0.809	0.569	2.48E-202	s5	DKC1
SLC20A1	6.69E-206	0.485678666	0.73	0.464	1.51E-201	s5	SLC20A1
LSM52	7.89E-206	0.459041044	0.885	0.674	1.78E-201	s5	LSM5
DKK11	1.46E-205	0.684088046	0.885	0.666	3.29E-201	s5	DKK1
PSMC31	4.57E-205	0.42482948	0.957	0.843	1.03E-200	s5	PSMC3
EIF3A1	8.00E-205	0.377941424	0.996	0.974	1.80E-200	s5	EIF3A
AMD1	1.12E-204	0.449360665	0.8	0.553	2.52E-200	s5	AMD1
PRPF40A1	1.42E-204	0.413929628	0.971	0.867	3.20E-200	s5	PRPF40A
USP37	4.45E-204	0.260884143	0.267	0.091	1.00E-199	s5	USP37
ESM1	3.24E-203	0.458576987	0.223	0.068	7.30E-199	s5	ESM1
LSM42	2.67E-202	0.448728238	0.941	0.808	6.01E-198	s5	LSM4
HPF1	6.87E-202	0.440262264	0.789	0.55	1.55E-197	s5	HPF1
RPL39L2	5.55E-201	0.416128295	0.703	0.421	1.25E-196	s5	RPL39L
GTPBP41	1.22E-200	0.451619253	0.903	0.728	2.76E-196	s5	GTPBP4
UBA21	3.24E-200	0.442054554	0.82	0.593	7.29E-196	s5	UBA2
FOSL11	3.66E-200	0.424002402	0.621	0.347	8.25E-196	s5	FOSL1
HMGB32	4.99E-200	0.362215967	0.737	0.431	1.12E-195	s5	HMGB3
CCT81	1.48E-199	0.413490996	0.98	0.939	3.33E-195	s5	CCT8
SVIP1	3.71E-199	0.478319047	0.671	0.414	8.37E-195	s5	SVIP
NUDT12	7.50E-199	0.451859211	0.769	0.518	1.69E-194	s5	NUDT1
NCAPH2	1.48E-198	0.311077498	0.397	0.173	3.33E-194	s5	NCAPH2
SSB1	2.21E-198	0.401129344	0.974	0.91	4.99E-194	s5	SSB
GLRX2	3.18E-198	0.455624052	0.739	0.49	7.17E-194	s5	GLRX2
TUBA1A1	3.88E-198	0.436163564	0.999	0.967	8.74E-194	s5	TUBA1A
UBE2N1	6.01E-197	0.431200189	0.905	0.726	1.35E-192	s5	UBE2N

HNRNPDL	1.22E-196	0.435061	0.983	0.931	2.74E-192	s5	HNRNPDL
NUP62	2.33E-196	0.402593856	0.561	0.311	5.25E-192	s5	NUP62
MRM2	3.83E-196	0.354188507	0.488	0.246	8.63E-192	s5	MRM2
TRA2B	4.29E-196	0.445692264	0.865	0.648	9.67E-192	s5	TRA2B
SRRT1	7.24E-196	0.400602256	0.632	0.366	1.63E-191	s5	SRRT
SAMD1	7.37E-196	0.435292221	0.643	0.392	1.66E-191	s5	SAMD1
HIRIP3	2.59E-195	0.301068703	0.362	0.15	5.83E-191	s5	HIRIP3
RECQL1	4.15E-195	0.446146626	0.814	0.585	9.35E-191	s5	RECQL
TIMM8A	1.42E-194	0.353285287	0.464	0.227	3.20E-190	s5	TIMM8A
JPT2	5.92E-194	0.376675813	0.513	0.267	1.33E-189	s5	JPT2
SNRPF1	6.17E-194	0.397884708	0.978	0.908	1.39E-189	s5	SNRPF
RFC1	6.74E-194	0.426726057	0.922	0.778	1.52E-189	s5	RFC1
SMC6	9.72E-194	0.424496803	0.751	0.493	2.19E-189	s5	SMC6
MAGOHB1	1.47E-193	0.414614537	0.726	0.468	3.31E-189	s5	MAGOHB
TMEM1601	1.85E-193	0.469584308	0.86	0.648	4.16E-189	s5	TMEM160
BCLAF11	2.66E-193	0.449873764	0.908	0.725	6.00E-189	s5	BCLAF1
PSMA31	4.10E-193	0.417296474	0.956	0.835	9.23E-189	s5	PSMA3
HRAS1	4.73E-193	0.457940735	0.876	0.683	1.07E-188	s5	HRAS
C16orf74	2.68E-191	0.426465813	0.681	0.419	6.04E-187	s5	C16orf74
ARHGAP22	3.42E-191	0.445515387	0.631	0.366	7.70E-187	s5	ARHGAP22
UMPS	5.51E-191	0.377276165	0.546	0.295	1.24E-186	s5	UMPS
TIMM101	9.82E-190	0.443892429	0.746	0.495	2.21E-185	s5	TIMM10
IFRD21	1.31E-189	0.416849532	0.677	0.426	2.94E-185	s5	IFRD2
SNRPG1	1.32E-189	0.377818688	0.991	0.953	2.98E-185	s5	SNRPG
MRPS341	3.20E-189	0.398611809	0.969	0.908	7.22E-185	s5	MRPS34
HNRNPK1	4.35E-189	0.351048216	0.998	0.979	9.81E-185	s5	HNRNPK
GLRX31	1.67E-187	0.426972282	0.897	0.714	3.77E-183	s5	GLRX3
UBE2I1	2.15E-187	0.377071941	0.973	0.905	4.85E-183	s5	UBE2I
PAFAH1B3	4.15E-187	0.439217819	0.736	0.486	9.36E-183	s5	PAFAH1B3
UTP181	8.13E-187	0.407652131	0.638	0.389	1.83E-182	s5	UTP18
SF3A31	8.76E-187	0.423689867	0.767	0.528	1.97E-182	s5	SF3A3
TCOF11	1.40E-185	0.399523766	0.645	0.389	3.15E-181	s5	TCOF1
TPRKB2	2.05E-185	0.390411473	0.69	0.422	4.61E-181	s5	TPRKB
HSPA41	2.91E-185	0.450361998	0.862	0.673	6.56E-181	s5	HSPA4
CAV11	3.45E-185	0.456283837	0.984	0.933	7.76E-181	s5	CAV1
ACD	6.99E-185	0.32840069	0.421	0.199	1.57E-180	s5	ACD
TCP11	8.84E-185	0.42195449	0.932	0.808	1.99E-180	s5	TCP1
NUCKS12	2.30E-184	0.328869935	0.997	0.98	5.18E-180	s5	NUCKS1
TMEM109	2.76E-184	0.39490448	0.64	0.385	6.22E-180	s5	TMEM109
GPN31	3.81E-184	0.39311758	0.645	0.39	8.58E-180	s5	GPN3
MT-ATP61	8.83E-184	0.344243514	1	1	1.99E-179	s5	MT-ATP6
EIF4G11	1.04E-183	0.412222527	0.952	0.826	2.34E-179	s5	EIF4G1
PAK1IP11	1.40E-183	0.38932129	0.638	0.381	3.16E-179	s5	PAK1IP1

SMARCC11	2.63E-183	0.424448293	0.878	0.681	5.94E-179	s5	SMARCC1
NOP14	1.23E-182	0.389509238	0.625	0.373	2.78E-178	s5	NOP14
TOR3A	6.06E-182	0.338151308	0.498	0.257	1.37E-177	s5	TOR3A
MT-ND51	8.34E-182	0.332451719	1	0.999	1.88E-177	s5	MT-ND5
UBE2L31	6.05E-181	0.392824085	0.97	0.899	1.36E-176	s5	UBE2L3
C1orf35	6.67E-181	0.38285841	0.531	0.295	1.50E-176	s5	C1orf35
CDCA7L	2.76E-180	0.419434708	0.665	0.422	6.22E-176	s5	CDCA7L
KCNMA11	6.90E-180	0.693295765	0.874	0.707	1.55E-175	s5	KCNMA1
HIST1H1D1	7.43E-180	0.815771645	0.406	0.195	1.67E-175	s5	HIST1H1D
COPS3	1.34E-179	0.405941658	0.754	0.514	3.03E-175	s5	COPS3
NES	4.05E-178	0.439396542	0.364	0.164	9.12E-174	s5	NES
DBF41	1.74E-177	0.286319934	0.559	0.291	3.93E-173	s5	DBF4
MRPL20	4.67E-177	0.393381485	0.964	0.89	1.05E-172	s5	MRPL20
SAC3D11	1.13E-176	0.387123878	0.575	0.332	2.54E-172	s5	SAC3D1
RPS261	3.24E-176	0.335273082	1	1	7.30E-172	s5	RPS26
SHCBP12	5.17E-176	0.275122822	0.37	0.155	1.16E-171	s5	SHCBP1
CTNNAL11	5.54E-176	0.415147035	0.953	0.85	1.25E-171	s5	CTNNAL1
CEP781	7.37E-176	0.301966889	0.393	0.179	1.66E-171	s5	CEP78
PRPF4	5.23E-175	0.37426631	0.555	0.316	1.18E-170	s5	PRPF4
TEX301	6.27E-175	0.362437588	0.557	0.312	1.41E-170	s5	TEX30
SF3B4	2.45E-174	0.373107556	0.641	0.391	5.52E-170	s5	SF3B4
MRPL31	7.27E-174	0.407158765	0.924	0.789	1.64E-169	s5	MRPL3
DONSON	1.35E-173	0.290184907	0.367	0.163	3.04E-169	s5	DONSON
RRP15	2.87E-173	0.384959316	0.672	0.422	6.47E-169	s5	RRP15
SMARCA41	8.92E-173	0.405928108	0.843	0.633	2.01E-168	s5	SMARCA4
DDX39A2	2.55E-172	0.3853846	0.597	0.343	5.75E-168	s5	DDX39A
CTPS1	2.70E-172	0.424811937	0.788	0.549	6.09E-168	s5	CTPS1
CEBPZ	2.09E-171	0.413065291	0.741	0.516	4.71E-167	s5	CEBPZ
TUBG12	2.09E-171	0.381960771	0.694	0.443	4.72E-167	s5	TUBG1
PLEK2	2.40E-171	0.388450252	0.558	0.32	5.41E-167	s5	PLEK2
RRP7A1	4.31E-171	0.410377063	0.799	0.567	9.72E-167	s5	RRP7A
RBM8A2	7.57E-171	0.362485332	0.979	0.893	1.70E-166	s5	RBM8A
RRS11	9.88E-171	0.331197247	0.439	0.218	2.23E-166	s5	RRS1
HSPB111	2.54E-170	0.4238516	0.766	0.547	5.72E-166	s5	HSPB11
CDC5L	3.36E-170	0.403648234	0.766	0.539	7.57E-166	s5	CDC5L
MRPL17	5.75E-170	0.412359893	0.905	0.757	1.29E-165	s5	MRPL17
CENPN2	7.02E-170	0.338580762	0.539	0.289	1.58E-165	s5	CENPN
PLEKHJ11	7.36E-170	0.421163249	0.851	0.653	1.66E-165	s5	PLEKHJ1
PTBP1	1.30E-169	0.39634357	0.813	0.603	2.92E-165	s5	PTBP1
TSR11	3.11E-169	0.400220165	0.695	0.452	7.00E-165	s5	TSR1
SNRNP40	4.18E-169	0.373270466	0.657	0.413	9.42E-165	s5	SNRNP40
SNRPD31	5.46E-169	0.380420068	0.973	0.925	1.23E-164	s5	SNRPD3
PUM31	5.93E-169	0.429524078	0.853	0.666	1.34E-164	s5	PUM3

MTDH1	6.06E-169	0.341997485	0.995	0.983	1.36E-164	s5	MTDH
CCT71	1.57E-168	0.376358944	0.963	0.898	3.54E-164	s5	CCT7
NOL11	6.94E-168	0.36202027	0.554	0.32	1.56E-163	s5	NOL11
LMNB22	1.41E-167	0.329123788	0.533	0.287	3.18E-163	s5	LMNB2
PKM1	8.26E-167	0.276966815	1	1	1.86E-162	s5	PKM
UBR7	1.04E-166	0.253165953	0.295	0.118	2.34E-162	s5	UBR7
COMMD41	1.12E-166	0.400610629	0.738	0.503	2.53E-162	s5	COMMD4
TMEM200A	3.85E-166	0.408584258	0.56	0.323	8.68E-162	s5	TMEM200A
PRKAR2A	4.44E-166	0.390994757	0.786	0.556	1.00E-161	s5	PRKAR2A
PPIF	7.87E-166	0.404387434	0.69	0.452	1.77E-161	s5	PPIF
MARCKSL1	9.01E-165	0.393910225	0.94	0.818	2.03E-160	s5	MARCKSL1
TELO2	2.71E-164	0.257396708	0.302	0.124	6.11E-160	s5	TELO2
MRE11	9.21E-164	0.288655733	0.383	0.179	2.08E-159	s5	MRE11
CASP2	2.20E-163	0.260105793	0.301	0.124	4.96E-159	s5	CASP2
NCS1	5.48E-163	0.391642086	0.774	0.548	1.24E-158	s5	NCS1
AURKAIP1	6.16E-163	0.349642391	0.992	0.969	1.39E-158	s5	AURKAIP1
RRM22	9.56E-163	0.339071353	0.496	0.25	2.15E-158	s5	RRM2
TGS1	1.61E-162	0.368192011	0.582	0.351	3.63E-158	s5	TGS1
RPP30	3.04E-162	0.350835662	0.617	0.374	6.85E-158	s5	RPP30
NCAPG22	7.59E-162	0.261754013	0.368	0.164	1.71E-157	s5	NCAPG2
SRPK1	2.32E-161	0.416920467	0.84	0.664	5.22E-157	s5	SRPK1
RBBP4	2.69E-161	0.404458769	0.736	0.517	6.06E-157	s5	RBBP4
YWHAZ1	3.04E-161	0.309301061	1	0.993	6.84E-157	s5	YWHAZ
DHX15	1.02E-159	0.37262994	0.726	0.493	2.29E-155	s5	DHX15
NIP71	6.50E-159	0.363527015	0.611	0.375	1.46E-154	s5	NIP7
PDCD51	6.66E-159	0.342009033	0.991	0.971	1.50E-154	s5	PDCD5
NR2F21	1.27E-158	0.522060166	0.903	0.767	2.86E-154	s5	NR2F2
TIMM131	1.84E-158	0.369263945	0.976	0.92	4.15E-154	s5	TIMM13
TCERG11	2.50E-158	0.374428331	0.766	0.528	5.64E-154	s5	TCERG1
RNPS11	2.83E-158	0.382792153	0.892	0.726	6.38E-154	s5	RNPS1
ECI21	3.13E-158	0.399808798	0.963	0.895	7.05E-154	s5	ECI2
PUF601	4.51E-158	0.382865596	0.875	0.688	1.02E-153	s5	PUF60
CMSS11	5.83E-158	0.387755944	0.778	0.538	1.31E-153	s5	CMSS1
H2AFX2	8.87E-158	0.260094541	0.596	0.328	2.00E-153	s5	H2AFX
ANP32B1	9.15E-158	0.331538173	0.995	0.973	2.06E-153	s5	ANP32B
NHP21	1.33E-157	0.343218432	0.985	0.94	3.00E-153	s5	NHP2
PSMB71	5.18E-157	0.345148097	0.978	0.931	1.17E-152	s5	PSMB7
CDK4	6.00E-157	0.396387754	0.876	0.707	1.35E-152	s5	CDK4
DIAPH11	8.90E-157	0.362155613	0.654	0.415	2.01E-152	s5	DIAPH1
CGAS	1.12E-156	0.25261262	0.278	0.112	2.52E-152	s5	CGAS
ANP32A1	8.43E-156	0.377077266	0.909	0.744	1.90E-151	s5	ANP32A
PRRC2C1	1.29E-155	0.330906688	0.989	0.963	2.91E-151	s5	PRRC2C
UCK2	4.85E-155	0.362810509	0.604	0.372	1.09E-150	s5	UCK2

CEP170	6.02E-155	0.446838366	0.938	0.852	1.36E-150	s5	CEP170
TRIP132	1.16E-154	0.264385478	0.367	0.166	2.62E-150	s5	TRIP13
NOP161	1.39E-154	0.331399646	0.507	0.281	3.12E-150	s5	NOP16
RRP361	3.41E-154	0.386211126	0.776	0.556	7.68E-150	s5	RRP36
RRP1B1	4.29E-154	0.37059668	0.668	0.437	9.67E-150	s5	RRP1B
ITPA1	7.45E-154	0.378030894	0.736	0.506	1.68E-149	s5	ITPA
GNPNAT1	7.97E-154	0.378210201	0.692	0.468	1.80E-149	s5	GNPNAT1
PTX31	1.66E-153	0.555022836	0.987	0.962	3.74E-149	s5	PTX3
GTF3C61	1.68E-153	0.401411896	0.918	0.782	3.78E-149	s5	GTF3C6
RANGAP12	1.72E-153	0.323900367	0.633	0.379	3.87E-149	s5	RANGAP1
C12orf751	3.05E-153	0.357653697	0.999	0.989	6.88E-149	s5	C12orf75
CCT41	5.65E-153	0.347531821	0.982	0.939	1.27E-148	s5	CCT4
POLR3G	5.73E-153	0.340444971	0.437	0.226	1.29E-148	s5	POLR3G
WDR4	8.04E-153	0.292565339	0.421	0.212	1.81E-148	s5	WDR4
GLIPR1	1.13E-152	0.48459087	0.954	0.877	2.54E-148	s5	GLIPR1
ATAD3B	1.46E-152	0.277584596	0.336	0.151	3.28E-148	s5	ATAD3B
PCMT11	2.70E-152	0.369037431	0.913	0.766	6.09E-148	s5	PCMT1
ILF21	5.98E-152	0.35977613	0.957	0.866	1.35E-147	s5	ILF2
DGCR8	1.26E-151	0.26506775	0.342	0.155	2.85E-147	s5	DGCR8
CORO1C	9.59E-151	0.391018047	0.897	0.734	2.16E-146	s5	CORO1C
TBX31	9.66E-151	0.409487132	0.667	0.428	2.18E-146	s5	TBX3
RSL1D11	1.21E-150	0.376921687	0.942	0.85	2.73E-146	s5	RSL1D1
ADK	1.28E-150	0.374201109	0.724	0.495	2.89E-146	s5	ADK
IPO9	1.80E-150	0.333084878	0.546	0.319	4.06E-146	s5	IPO9
FAM136A1	3.66E-150	0.386926852	0.756	0.533	8.24E-146	s5	FAM136A
DDX211	6.17E-150	0.366699238	0.966	0.886	1.39E-145	s5	DDX21
SRFBP1	7.14E-150	0.356072017	0.566	0.345	1.61E-145	s5	SRFBP1
CAP11	8.73E-150	0.361586211	0.999	0.993	1.97E-145	s5	CAP1
USP141	1.39E-149	0.372195968	0.915	0.766	3.12E-145	s5	USP14
EED	9.55E-149	0.267321668	0.356	0.167	2.15E-144	s5	EED
CD591	2.32E-148	0.35748735	0.989	0.957	5.22E-144	s5	CD59
NUP153	2.41E-148	0.282785803	0.381	0.186	5.44E-144	s5	NUP153
PHF192	3.90E-148	0.348506362	0.577	0.339	8.78E-144	s5	PHF19
CHD1	6.80E-148	0.35749285	0.643	0.412	1.53E-143	s5	CHD1
UBE2S2	6.93E-148	0.305869777	0.975	0.9	1.56E-143	s5	UBE2S
HNRNPH3	7.23E-148	0.366235972	0.938	0.816	1.63E-143	s5	HNRNPH3
RBM171	1.05E-147	0.381617416	0.875	0.712	2.37E-143	s5	RBM17
CDC1231	2.64E-147	0.368029111	0.847	0.662	5.95E-143	s5	CDC123
TMEM106C	4.16E-147	0.348750148	0.603	0.371	9.36E-143	s5	TMEM106C
EFHD21	5.02E-147	0.380383397	0.706	0.481	1.13E-142	s5	EFHD2
NDUFS61	8.32E-147	0.34358576	0.989	0.946	1.87E-142	s5	NDUFS6
NFIC	8.43E-147	0.347449627	0.957	0.897	1.90E-142	s5	NFIC
ZFHX4	2.27E-146	0.463163109	0.683	0.473	5.12E-142	s5	ZFHX4

PSMD111	2.41E-146	0.376898146	0.869	0.702	5.43E-142	s5	PSMD11
TWISTNB	2.78E-146	0.352178296	0.575	0.354	6.27E-142	s5	TWISTNB
BANF11	2.87E-146	0.340184806	0.979	0.92	6.48E-142	s5	BANF1
ZWILCH	4.27E-146	0.27685351	0.368	0.176	9.61E-142	s5	ZWILCH
RRP9	9.82E-146	0.311153407	0.441	0.235	2.21E-141	s5	RRP9
EBP	1.18E-145	0.353901736	0.633	0.404	2.66E-141	s5	EBP
CENPV	1.26E-145	0.383548602	0.916	0.782	2.84E-141	s5	CENPV
TCHP	2.15E-144	0.322037689	0.512	0.293	4.84E-140	s5	TCHP
VCP1	2.72E-144	0.34867619	0.96	0.892	6.12E-140	s5	VCP
ADRM11	4.38E-144	0.362189436	0.94	0.804	9.87E-140	s5	ADRM1
SLC25A51	4.92E-144	0.314583391	0.996	0.976	1.11E-139	s5	SLC25A5
TRMT6	6.17E-144	0.312557305	0.459	0.249	1.39E-139	s5	TRMT6
ANKRD26	6.70E-144	0.350403807	0.568	0.347	1.51E-139	s5	ANKRD26
KHDRBS11	1.40E-142	0.343665626	0.967	0.904	3.16E-138	s5	KHDRBS1
DDX241	1.45E-142	0.344984109	0.953	0.861	3.27E-138	s5	DDX24
NAF1	4.71E-141	0.264653033	0.348	0.165	1.06E-136	s5	NAF1
NAA151	1.41E-140	0.351413461	0.638	0.417	3.17E-136	s5	NAA15
AKAP121	2.17E-140	0.46220903	0.884	0.733	4.90E-136	s5	AKAP12
NTM	3.10E-140	0.373240227	0.612	0.374	6.98E-136	s5	NTM
DCK	3.60E-140	0.255487585	0.337	0.157	8.12E-136	s5	DCK
WEE11	3.98E-140	0.344238648	0.548	0.327	8.96E-136	s5	WEE1
AGPAT5	4.96E-140	0.293496473	0.413	0.214	1.12E-135	s5	AGPAT5
FRG1	6.51E-140	0.363183614	0.76	0.55	1.47E-135	s5	FRG1
NUP107	1.42E-139	0.281805251	0.411	0.212	3.19E-135	s5	NUP107
THOP1	1.54E-139	0.294508328	0.448	0.241	3.47E-135	s5	THOP1
SAE12	1.97E-139	0.346352399	0.748	0.52	4.45E-135	s5	SAE1
IMMT	1.99E-139	0.365511286	0.843	0.656	4.47E-135	s5	IMMT
CAVIN1	2.55E-139	0.291861004	1	0.994	5.74E-135	s5	CAVIN1
RABIF	2.98E-139	0.286660242	0.421	0.221	6.71E-135	s5	RABIF
KRT191	4.17E-139	1.104695047	0.808	0.734	9.39E-135	s5	KRT19
SLC5A3	8.00E-139	0.425286593	0.602	0.384	1.80E-134	s5	SLC5A3
SRSF1	1.15E-138	0.349663318	0.636	0.416	2.59E-134	s5	SRSF1
UBE2M1	1.20E-138	0.314036495	0.972	0.922	2.71E-134	s5	UBE2M
TIMM17A	3.96E-138	0.358897189	0.91	0.796	8.91E-134	s5	TIMM17A
NOL71	5.79E-138	0.365110116	0.95	0.877	1.30E-133	s5	NOL7
DIAPH32	6.66E-138	0.348625478	0.775	0.533	1.50E-133	s5	DIAPH3
SNRPC1	8.15E-138	0.370369875	0.897	0.765	1.84E-133	s5	SNRPC
MTF2	1.18E-137	0.316495338	0.505	0.292	2.66E-133	s5	MTF2
RPUSD1	1.26E-137	0.280096864	0.397	0.203	2.84E-133	s5	RPUSD1
CCDC86	4.54E-137	0.271883012	0.372	0.184	1.02E-132	s5	CCDC86
PAXX	4.61E-137	0.360283698	0.729	0.518	1.04E-132	s5	PAXX
RAB8A1	4.73E-137	0.355452731	0.74	0.531	1.06E-132	s5	RAB8A
PDCL31	4.74E-137	0.324672935	0.614	0.388	1.07E-132	s5	PDCL3

BMS11	8.25E-137	0.355003502	0.754	0.544	1.86E-132	s5	BMS1
EIF5B1	1.01E-136	0.309011943	0.992	0.962	2.27E-132	s5	EIF5B
VBP11	1.41E-136	0.359354214	0.804	0.618	3.18E-132	s5	VBP1
FABP42	2.52E-136	0.501668326	0.411	0.217	5.68E-132	s5	FABP4
LSM21	2.60E-136	0.368685434	0.875	0.722	5.85E-132	s5	LSM2
PRSS3	4.34E-136	0.382932473	0.487	0.281	9.77E-132	s5	PRSS3
RRP1	5.48E-136	0.298059184	0.459	0.253	1.23E-131	s5	RRP1
TTF21	5.50E-136	0.272334038	0.41	0.21	1.24E-131	s5	TTF2
TXN	7.02E-136	0.257361385	1	1	1.58E-131	s5	TXN
EXOSC3	8.86E-136	0.318217557	0.539	0.325	2.00E-131	s5	EXOSC3
KHSRP	1.21E-135	0.342631387	0.651	0.428	2.74E-131	s5	KHSRP
MT-CYB	1.65E-135	0.275980666	1	1	3.72E-131	s5	MT-CYB
NOC3L	2.34E-135	0.363361752	0.676	0.46	5.27E-131	s5	NOC3L
SLC8A1	2.77E-135	0.334049218	0.526	0.308	6.24E-131	s5	SLC8A1
HAUS1	3.43E-135	0.332379237	0.607	0.391	7.74E-131	s5	HAUS1
ACOT71	1.51E-134	0.333247305	0.699	0.473	3.41E-130	s5	ACOT7
NUP85	1.54E-134	0.270775806	0.411	0.213	3.48E-130	s5	NUP85
SNRNP251	1.65E-134	0.372951199	0.694	0.485	3.71E-130	s5	SNRNP25
EID11	2.66E-134	0.28477891	0.998	0.986	6.00E-130	s5	EID1
PSMA41	5.31E-134	0.330679418	0.965	0.887	1.20E-129	s5	PSMA4
SMCHD11	2.04E-133	0.359504728	0.748	0.542	4.60E-129	s5	SMCHD1
TACC1	2.47E-133	0.348472322	0.716	0.498	5.57E-129	s5	TACC1
PITPNB	2.98E-133	0.353464464	0.794	0.597	6.71E-129	s5	PITPNB
MRPS121	3.28E-133	0.373703334	0.853	0.697	7.38E-129	s5	MRPS12
MRPL14	3.79E-133	0.339517185	0.944	0.855	8.54E-129	s5	MRPL14
TOMM341	4.57E-133	0.313133887	0.493	0.283	1.03E-128	s5	TOMM34
AXL1	4.79E-133	0.355747273	0.925	0.808	1.08E-128	s5	AXL
LTV11	6.46E-133	0.324519863	0.565	0.347	1.46E-128	s5	LTV1
UTP14A	3.04E-132	0.314719108	0.474	0.27	6.84E-128	s5	UTP14A
NOC2L1	4.19E-132	0.338038871	0.671	0.453	9.43E-128	s5	NOC2L
PPIH1	6.41E-132	0.313814498	0.557	0.341	1.44E-127	s5	PPIH
MRPL411	9.79E-132	0.345520122	0.974	0.936	2.21E-127	s5	MRPL41
CISD1	1.93E-131	0.353357942	0.777	0.574	4.35E-127	s5	CISD1
GXYLT1	2.20E-131	0.285057773	0.426	0.229	4.95E-127	s5	GXYLT1
HACD31	3.41E-131	0.354312891	0.763	0.557	7.68E-127	s5	HACD3
SLFN11	8.57E-131	0.261989057	0.301	0.138	1.93E-126	s5	SLFN11
STOML21	1.25E-130	0.33393067	0.948	0.858	2.81E-126	s5	STOML2
MT-ND1	1.67E-130	0.280335952	1	1	3.75E-126	s5	MT-ND1
SYNE21	3.95E-130	0.296764098	0.434	0.232	8.90E-126	s5	SYNE2
KLF2	4.99E-130	0.447812383	0.767	0.559	1.13E-125	s5	KLF2
DOCK10	5.91E-130	0.265109283	0.338	0.164	1.33E-125	s5	DOCK10
PRPF19	1.04E-129	0.27868943	0.458	0.255	2.34E-125	s5	PRPF19
CCDC342	1.88E-129	0.298393562	0.491	0.28	4.23E-125	s5	CCDC34

ATP1B31	2.56E-129	0.325293821	0.942	0.84	5.77E-125	s5	ATP1B3
TFRC	1.10E-128	0.350748447	0.794	0.56	2.48E-124	s5	TFRC
RGMB1	2.00E-128	0.492955312	0.594	0.39	4.50E-124	s5	RGMB
XPO11	2.68E-128	0.339203107	0.862	0.684	6.05E-124	s5	XPO1
PSMD141	3.02E-128	0.328965603	0.934	0.807	6.80E-124	s5	PSMD14
ITGA6	3.10E-128	0.321590121	0.351	0.175	6.99E-124	s5	ITGA6
C3orf14	3.16E-128	0.272229659	0.345	0.171	7.12E-124	s5	C3orf14
DBN11	4.32E-128	0.362534975	0.877	0.71	9.72E-124	s5	DBN1
PSMB21	5.36E-128	0.311580565	0.971	0.911	1.21E-123	s5	PSMB2
WDR77	7.14E-128	0.299911524	0.528	0.318	1.61E-123	s5	WDR77
MPHOSPH6	9.81E-128	0.303132506	0.493	0.289	2.21E-123	s5	MPHOSPH6
ARL13B	2.71E-127	0.260454261	0.359	0.18	6.10E-123	s5	ARL13B
ZC3H14	2.95E-127	0.320081696	0.579	0.372	6.66E-123	s5	ZC3H14
EFNB2	3.46E-127	0.339276755	0.488	0.282	7.79E-123	s5	EFNB2
AHCTF1	3.64E-127	0.323318677	0.618	0.399	8.20E-123	s5	AHCTF1
SNRNP70	5.90E-127	0.348894635	0.87	0.712	1.33E-122	s5	SNRNP70
C9orf40	8.67E-127	0.256610746	0.37	0.187	1.95E-122	s5	C9orf40
CCDC50	8.68E-127	0.472158195	0.95	0.894	1.96E-122	s5	CCDC50
SIGMAR1	9.49E-127	0.320106716	0.693	0.47	2.14E-122	s5	SIGMAR1
SACS	1.08E-126	0.362953928	0.754	0.544	2.43E-122	s5	SACS
POP1	2.29E-126	0.271000829	0.375	0.193	5.16E-122	s5	POP1
CBX11	2.41E-126	0.339582976	0.914	0.782	5.43E-122	s5	CBX1
RPL7L11	3.19E-126	0.336495975	0.901	0.763	7.19E-122	s5	RPL7L1
PSMB31	6.92E-126	0.312713684	0.972	0.924	1.56E-121	s5	PSMB3
DDX56	1.28E-125	0.307430682	0.53	0.325	2.89E-121	s5	DDX56
COA41	1.46E-125	0.34237894	0.877	0.736	3.29E-121	s5	COA4
TRIM281	1.95E-125	0.339670952	0.888	0.744	4.40E-121	s5	TRIM28
CTSC	2.77E-125	0.397728254	0.876	0.718	6.24E-121	s5	CTSC
TAGLN21	3.04E-125	0.266641978	0.999	0.995	6.85E-121	s5	TAGLN2
PSMB61	3.45E-125	0.300241033	0.99	0.969	7.77E-121	s5	PSMB6
ARHGDI1	3.97E-125	0.354401825	0.555	0.347	8.94E-121	s5	ARHGDI1
PSMC41	5.18E-125	0.342019053	0.855	0.684	1.17E-120	s5	PSMC4
MINOS1	8.01E-125	0.325908996	0.917	0.787	1.80E-120	s5	MINOS1
SRP91	1.41E-124	0.330911349	0.942	0.851	3.18E-120	s5	SRP9
ENOPH1	1.76E-124	0.288904965	0.523	0.316	3.96E-120	s5	ENOPH1
NDUF4F4	3.38E-124	0.306067114	0.485	0.286	7.61E-120	s5	NDUF4F4
CTDSPL2	5.22E-124	0.300874137	0.463	0.267	1.18E-119	s5	CTDSPL2
ZC3H18	6.71E-124	0.314967494	0.597	0.385	1.51E-119	s5	ZC3H18
KIF1BP	7.19E-124	0.320932146	0.646	0.431	1.62E-119	s5	KIF1BP
PHIP1	1.13E-123	0.33391571	0.693	0.479	2.56E-119	s5	PHIP
NDUF4F81	1.40E-123	0.339856227	0.933	0.826	3.16E-119	s5	NDUF4F8
EIF4A31	2.01E-123	0.333013792	0.704	0.502	4.52E-119	s5	EIF4A3
PNPT1	2.52E-123	0.292379951	0.46	0.263	5.68E-119	s5	PNPT1

RNF126	3.56E-123	0.322387968	0.68	0.471	8.01E-119	s5	RNF126
NAA50	5.06E-123	0.33560245	0.719	0.516	1.14E-118	s5	NAA50
SLC2A4RG	8.95E-123	0.341552399	0.85	0.687	2.02E-118	s5	SLC2A4RG
PACSIN3	1.06E-122	0.294822396	0.492	0.292	2.39E-118	s5	PACSIN3
FBL1	1.09E-122	0.33644745	0.909	0.773	2.46E-118	s5	FBL
GATAD2A	2.50E-122	0.316881928	0.595	0.39	5.62E-118	s5	GATAD2A
WNK4	3.41E-122	0.313224566	0.494	0.293	7.69E-118	s5	WNK4
HARS	7.28E-122	0.321242154	0.702	0.492	1.64E-117	s5	HARS
MYO1B	1.16E-121	0.335525425	0.768	0.565	2.61E-117	s5	MYO1B
IMP31	1.43E-121	0.325130089	0.659	0.449	3.22E-117	s5	IMP3
TRMT10C	1.55E-121	0.325700012	0.588	0.383	3.49E-117	s5	TRMT10C
HPRT1	1.61E-121	0.324924073	0.68	0.476	3.63E-117	s5	HPRT1
HHIP-AS1	1.74E-121	0.29654743	0.369	0.191	3.92E-117	s5	HHIP-AS1
FOXC21	2.01E-121	0.342272087	0.643	0.42	4.53E-117	s5	FOXC2
EIF4A11	5.45E-121	0.280990913	0.994	0.972	1.23E-116	s5	EIF4A1
VDAC31	7.29E-121	0.342293548	0.855	0.678	1.64E-116	s5	VDAC3
PARP2	7.43E-121	0.253530103	0.388	0.204	1.67E-116	s5	PARP2
HOMER31	8.88E-121	0.346203065	0.852	0.683	2.00E-116	s5	HOMER3
TTL	2.21E-120	0.289177699	0.478	0.279	4.99E-116	s5	TTL
PFDN21	3.95E-120	0.276708613	0.995	0.971	8.91E-116	s5	PFDN2
PRPS1	4.65E-120	0.286147026	0.487	0.288	1.05E-115	s5	PRPS1
PUS7	7.65E-120	0.250534788	0.341	0.17	1.72E-115	s5	PUS7
CISD2	9.96E-120	0.330578748	0.807	0.621	2.25E-115	s5	CISD2
NOM1	1.31E-119	0.28795051	0.498	0.297	2.95E-115	s5	NOM1
SLIT2	2.15E-119	0.318087006	0.464	0.268	4.83E-115	s5	SLIT2
PSME3	3.09E-119	0.296561612	0.626	0.408	6.96E-115	s5	PSME3
SRRM2	3.57E-119	0.279864423	0.989	0.969	8.04E-115	s5	SRRM2
NUP188	3.61E-119	0.273713045	0.426	0.237	8.14E-115	s5	NUP188
SEC11C	3.86E-119	0.34508909	0.645	0.439	8.70E-115	s5	SEC11C
PLEC	6.14E-119	0.34970834	0.892	0.749	1.38E-114	s5	PLEC
RBFA	6.72E-119	0.304332513	0.578	0.373	1.51E-114	s5	RBFA
MAT2A	8.65E-119	0.321783016	0.774	0.566	1.95E-114	s5	MAT2A
GLOD4	3.11E-118	0.311189518	0.581	0.379	7.01E-114	s5	GLOD4
GLO11	3.56E-118	0.340115177	0.84	0.675	8.01E-114	s5	GLO1
HTATSF11	6.86E-118	0.32320841	0.638	0.432	1.55E-113	s5	HTATSF1
TMEM14B	7.55E-118	0.322066943	0.922	0.812	1.70E-113	s5	TMEM14B
EXOSC10	8.22E-118	0.268141587	0.449	0.256	1.85E-113	s5	EXOSC10
INO80E	9.30E-118	0.285109697	0.472	0.278	2.10E-113	s5	INO80E
GSTO11	1.16E-117	0.273420198	0.998	0.99	2.62E-113	s5	GSTO1
WDR431	1.26E-117	0.345318043	0.797	0.608	2.84E-113	s5	WDR43
NDUFAB1	1.72E-117	0.289044698	0.985	0.962	3.88E-113	s5	NDUFAB1
SKA21	2.54E-117	0.336563198	0.803	0.62	5.73E-113	s5	SKA2
POLR3H	2.93E-117	0.26901889	0.432	0.242	6.60E-113	s5	POLR3H

CENPB	3.24E-117	0.302596241	0.532	0.332	7.29E-113	s5	CENPB
THRAP31	4.41E-117	0.32009743	0.947	0.846	9.93E-113	s5	THRAP3
FARSA	9.88E-117	0.312697008	0.613	0.409	2.23E-112	s5	FARSA
HIST1H1A1	2.31E-116	0.282394235	0.19	0.071	5.22E-112	s5	HIST1H1A
DSEL	2.43E-116	0.381688047	0.633	0.439	5.47E-112	s5	DSEL
TAF151	3.06E-116	0.355167559	0.725	0.536	6.89E-112	s5	TAF15
CHCHD3	3.06E-116	0.332853085	0.708	0.517	6.89E-112	s5	CHCHD3
FAM111A1	3.74E-116	0.286218371	0.422	0.235	8.42E-112	s5	FAM111A
PHAX1	5.46E-116	0.30828801	0.757	0.548	1.23E-111	s5	PHAX
HNRNPH1	6.17E-116	0.341040216	0.767	0.572	1.39E-111	s5	HNRNPH1
SYNJ2	6.82E-116	0.324612336	0.659	0.452	1.54E-111	s5	SYNJ2
EIF51	8.74E-116	0.325229296	0.956	0.871	1.97E-111	s5	EIF5
DDX3X1	1.32E-115	0.330593748	0.876	0.729	2.98E-111	s5	DDX3X
NUP50	1.41E-115	0.267873826	0.438	0.249	3.17E-111	s5	NUP50
MDN1	1.58E-115	0.275233095	0.421	0.236	3.55E-111	s5	MDN1
HIST1H1E1	3.73E-115	0.401958097	0.381	0.207	8.41E-111	s5	HIST1H1E
BCCIP1	4.23E-115	0.30941513	0.618	0.416	9.53E-111	s5	BCCIP
EIF3B	5.16E-115	0.326402334	0.848	0.678	1.16E-110	s5	EIF3B
NF2	5.90E-115	0.293832198	0.581	0.373	1.33E-110	s5	NF2
MRPS6	8.99E-115	0.379995326	0.924	0.819	2.02E-110	s5	MRPS6
FGF5	1.38E-114	0.371510791	0.435	0.25	3.12E-110	s5	FGF5
EFTUD2	1.59E-114	0.285276317	0.547	0.343	3.58E-110	s5	EFTUD2
TIMM8B1	2.71E-114	0.361380587	0.858	0.687	6.10E-110	s5	TIMM8B
PSMB11	3.87E-114	0.257649815	0.999	0.991	8.73E-110	s5	PSMB1
GRPEL11	5.63E-114	0.317691946	0.766	0.572	1.27E-109	s5	GRPEL1
CNBP1	5.67E-114	0.294680078	0.958	0.901	1.28E-109	s5	CNBP
LAP3	7.37E-114	0.297840084	0.601	0.394	1.66E-109	s5	LAP3
UBTF	8.18E-114	0.334673015	0.687	0.492	1.84E-109	s5	UBTF
CAPN2	1.63E-113	0.313127248	0.928	0.825	3.68E-109	s5	CAPN2
RNASEH2B	2.02E-113	0.318514503	0.567	0.371	4.54E-109	s5	RNASEH2B
HIST2H2AC	2.50E-113	0.347377845	0.324	0.165	5.64E-109	s5	HIST2H2AC
DNTTIP21	2.57E-113	0.315814033	0.691	0.489	5.78E-109	s5	DNTTIP2
SURF2	2.67E-113	0.278981535	0.459	0.269	6.03E-109	s5	SURF2
PARK71	3.08E-113	0.250918755	1	0.997	6.93E-109	s5	PARK7
ING2	5.46E-113	0.300115604	0.522	0.326	1.23E-108	s5	ING2
CAD	5.48E-113	0.251523758	0.405	0.223	1.23E-108	s5	CAD
NDUFB61	8.46E-113	0.313893662	0.895	0.763	1.91E-108	s5	NDUFB6
UFD11	9.09E-113	0.327781579	0.84	0.672	2.05E-108	s5	UFD1
MRPL16	1.07E-112	0.309821837	0.727	0.518	2.41E-108	s5	MRPL1
HES4	1.13E-112	0.330054148	0.47	0.28	2.55E-108	s5	HES4
TMEM121	1.25E-112	0.264155947	0.339	0.175	2.82E-108	s5	TMEM121
FRMD61	2.67E-112	0.368985259	0.933	0.836	6.02E-108	s5	FRMD6
PTTG12	2.68E-112	0.351118267	0.82	0.633	6.04E-108	s5	PTTG1

EMG11	2.86E-112	0.301684862	0.66	0.449	6.45E-108	s5	EMG1
NFATC2IP	2.86E-112	0.284514865	0.464	0.275	6.45E-108	s5	NFATC2IP
PBDC1	3.19E-112	0.320399462	0.665	0.462	7.19E-108	s5	PBDC1
DFFA	3.34E-112	0.314755471	0.649	0.45	7.53E-108	s5	DFFA
RBX11	3.52E-112	0.283887934	0.988	0.963	7.93E-108	s5	RBX1
ACAT2	3.65E-112	0.320948392	0.697	0.486	8.22E-108	s5	ACAT2
ADD45GIP	5.02E-112	0.275368207	0.994	0.987	1.13E-107	s5	ADD45GIP
ACTL6A1	6.10E-112	0.299899139	0.604	0.404	1.37E-107	s5	ACTL6A
NIFK1	1.67E-111	0.33036761	0.821	0.639	3.76E-107	s5	NIFK
ATIC	2.60E-111	0.30690005	0.664	0.462	5.86E-107	s5	ATIC
VPS29	3.36E-111	0.302375159	0.902	0.756	7.57E-107	s5	VPS29
OLA1	3.86E-111	0.316878659	0.896	0.77	8.69E-107	s5	OLA1
GALE	4.62E-111	0.291461462	0.561	0.363	1.04E-106	s5	GALE
GMPPB	8.12E-111	0.274818514	0.563	0.357	1.83E-106	s5	GMPPB
ESYT1	9.02E-111	0.289649997	0.594	0.39	2.03E-106	s5	ESYT1
AC004556.1	1.96E-110	0.254323942	0.352	0.183	4.41E-106	s5	AC004556.1
PDCD11	1.99E-110	0.295233767	0.576	0.375	4.49E-106	s5	PDCD11
FHOD1	3.65E-110	0.255637187	0.388	0.213	8.23E-106	s5	FHOD1
GPATCH11	3.96E-110	0.284440476	0.459	0.273	8.92E-106	s5	GPATCH11
PITHD1	5.65E-110	0.293278875	0.572	0.373	1.27E-105	s5	PITHD1
CFAP20	6.85E-110	0.283417416	0.524	0.33	1.54E-105	s5	CFAP20
CKLF	1.69E-109	0.317574662	0.678	0.483	3.81E-105	s5	CKLF
PSMC11	1.94E-109	0.290275032	0.964	0.909	4.38E-105	s5	PSMC1
MRPL42	2.36E-109	0.305045222	0.719	0.527	5.33E-105	s5	MRPL42
FKBP4	4.25E-109	0.32438034	0.794	0.619	9.58E-105	s5	FKBP4
FAM216A	5.16E-109	0.273361946	0.483	0.291	1.16E-104	s5	FAM216A
PLP21	5.22E-109	0.30453092	0.959	0.884	1.18E-104	s5	PLP2
NPM3	6.25E-109	0.309476047	0.693	0.493	1.41E-104	s5	NPM3
MRPL131	7.20E-109	0.313675471	0.842	0.674	1.62E-104	s5	MRPL13
PSMD71	1.07E-108	0.266590102	0.979	0.935	2.40E-104	s5	PSMD7
PXMP2	1.12E-108	0.281631799	0.476	0.288	2.52E-104	s5	PXMP2
DNAJC81	4.98E-108	0.283737966	0.965	0.895	1.12E-103	s5	DNAJC8
CNOT9	7.60E-108	0.253465154	0.442	0.257	1.71E-103	s5	CNOT9
DHCR24	7.62E-108	0.283604193	0.475	0.286	1.72E-103	s5	DHCR24
BCL7C1	9.73E-108	0.333874225	0.851	0.695	2.19E-103	s5	BCL7C
ADGRL4	1.40E-107	0.329130838	0.525	0.339	3.16E-103	s5	ADGRL4
SPDL12	1.73E-107	0.255413852	0.618	0.393	3.89E-103	s5	SPDL1
ENDOG1	1.74E-107	0.257267184	0.466	0.274	3.92E-103	s5	ENDOG
HDGF1	2.37E-107	0.313451411	0.93	0.835	5.34E-103	s5	HDGF
UACA	3.98E-107	0.388611917	0.933	0.856	8.97E-103	s5	UACA
RBM25	5.80E-107	0.309011472	0.938	0.841	1.31E-102	s5	RBM25
ZNF3261	6.21E-107	0.297665666	0.547	0.349	1.40E-102	s5	ZNF326
DBNL	8.67E-107	0.299921458	0.766	0.575	1.95E-102	s5	DBNL

NSD3	1.09E-106	0.314500961	0.83	0.675	2.46E-102	s5	NSD3
ELAVL11	2.50E-106	0.311011727	0.756	0.569	5.64E-102	s5	ELAVL1
SRP721	2.69E-106	0.298473357	0.96	0.903	6.05E-102	s5	SRP72
AHNAK	3.23E-106	0.27392383	0.997	0.979	7.28E-102	s5	AHNAK
AATF	3.49E-106	0.28644067	0.589	0.391	7.85E-102	s5	AATF
SEMA7A	3.79E-106	0.275846611	0.337	0.176	8.54E-102	s5	SEMA7A
SART3	6.11E-106	0.258495639	0.431	0.251	1.38E-101	s5	SART3
NT5C	6.59E-106	0.313773836	0.855	0.689	1.49E-101	s5	NT5C
MICAL2	1.47E-105	0.338258135	0.895	0.745	3.30E-101	s5	MICAL2
HNRNPC1	2.57E-105	0.261987407	0.997	0.989	5.78E-101	s5	HNRNPC
PRPF311	2.70E-105	0.299184673	0.694	0.498	6.09E-101	s5	PRPF31
HMGXB4	2.72E-105	0.306110473	0.735	0.548	6.13E-101	s5	HMGXB4
BOLA31	1.32E-104	0.313420502	0.822	0.656	2.96E-100	s5	BOLA3
HSPA9	1.43E-104	0.320019926	0.901	0.765	3.23E-100	s5	HSPA9
ALCAM1	2.30E-104	0.348150086	0.88	0.729	5.19E-100	s5	ALCAM
SPHK1	2.95E-104	0.301700345	0.88	0.715	6.64E-100	s5	SPHK1
VAR5	3.79E-104	0.290746927	0.648	0.449	8.55E-100	s5	VAR5
NUDCD1	4.34E-104	0.27813172	0.579	0.384	9.78E-100	s5	NUDCD1
IMP41	6.18E-104	0.31648715	0.77	0.6	1.39E-99	s5	IMP4
MRPL111	6.60E-104	0.318511368	0.87	0.719	1.49E-99	s5	MRPL11
PUS7L	9.35E-104	0.318175918	0.674	0.485	2.11E-99	s5	PUS7L
ACTR3	9.66E-104	0.264330125	0.994	0.972	2.18E-99	s5	ACTR3
CHORDC1	1.32E-103	0.307532817	0.589	0.404	2.97E-99	s5	CHORDC1
LAS1L	1.84E-103	0.252457371	0.423	0.246	4.15E-99	s5	LAS1L
FH	2.42E-103	0.307045198	0.652	0.462	5.45E-99	s5	FH
RABL6	2.83E-103	0.30546711	0.867	0.717	6.37E-99	s5	RABL6
MTCH21	2.99E-103	0.301006472	0.862	0.699	6.74E-99	s5	MTCH2
TBRG4	3.94E-103	0.278224273	0.544	0.352	8.87E-99	s5	TBRG4
PTGES2	4.31E-103	0.301837184	0.672	0.477	9.70E-99	s5	PTGES2
MAK16	6.58E-103	0.258637408	0.416	0.241	1.48E-98	s5	MAK16
MRPS231	1.34E-102	0.319951048	0.784	0.611	3.01E-98	s5	MRPS23
HIST1H4C1	1.37E-102	0.494927492	0.963	0.933	3.09E-98	s5	HIST1H4C
CDV31	3.76E-102	0.275259943	0.981	0.946	8.48E-98	s5	CDV3
PIN11	6.32E-102	0.311849962	0.911	0.801	1.42E-97	s5	PIN1
FST1	1.22E-101	0.561274043	0.718	0.555	2.75E-97	s5	FST
DPM2	1.77E-101	0.289014127	0.665	0.476	3.99E-97	s5	DPM2
STUB1	2.84E-101	0.299789939	0.954	0.899	6.40E-97	s5	STUB1
MRPL521	3.47E-101	0.266765004	0.984	0.955	7.81E-97	s5	MRPL52
FLNC	4.57E-101	0.330109935	0.804	0.631	1.03E-96	s5	FLNC
PMVK	4.91E-101	0.283964961	0.547	0.359	1.11E-96	s5	PMVK
PRPF8	5.51E-101	0.301549835	0.783	0.592	1.24E-96	s5	PRPF8
HMGN31	5.56E-101	0.339193126	0.762	0.594	1.25E-96	s5	HMGN3
GART	1.25E-100	0.304193596	0.712	0.517	2.82E-96	s5	GART

LSM6	1.49E-100	0.29963692	0.672	0.49	3.35E-96	s5	LSM6
PPP1CA1	1.85E-100	0.299451908	0.899	0.78	4.16E-96	s5	PPP1CA
ARHGAP10	2.10E-100	0.285977261	0.543	0.351	4.73E-96	s5	ARHGAP10
EMP1	2.56E-100	0.272843173	0.401	0.228	5.76E-96	s5	EMP1
OXCT1	5.99E-100	0.282080308	0.558	0.368	1.35E-95	s5	OXCT1
POP5	6.09E-100	0.28426961	0.619	0.423	1.37E-95	s5	POP5
PRRX1	7.45E-100	0.401566193	0.706	0.533	1.68E-95	s5	PRRX1
GTF3A	9.66E-100	0.312479843	0.882	0.748	2.18E-95	s5	GTF3A
XRN21	1.09E-99	0.286871314	0.924	0.811	2.45E-95	s5	XRN2
EIF2B3	1.12E-99	0.270246951	0.53	0.342	2.52E-95	s5	EIF2B3
POLR2F1	1.76E-99	0.305736258	0.867	0.715	3.96E-95	s5	POLR2F
LUC7L2	2.32E-99	0.258204382	0.448	0.27	5.24E-95	s5	LUC7L2
SF3A1	2.42E-99	0.275539868	0.539	0.351	5.45E-95	s5	SF3A1
S100A16	2.75E-99	0.364604053	0.965	0.953	6.20E-95	s5	S100A16
CNDP2	3.01E-99	0.263607529	0.514	0.325	6.79E-95	s5	CNDP2
DEF81	3.15E-99	0.29995963	0.851	0.702	7.09E-95	s5	DEF8
MRPS25	3.42E-99	0.272166504	0.623	0.429	7.70E-95	s5	MRPS25
CARHSP1	3.75E-99	0.295402974	0.943	0.861	8.44E-95	s5	CARHSP1
ANP32E2	5.02E-99	0.283772161	0.82	0.646	1.13E-94	s5	ANP32E
RAD51C	6.69E-99	0.250355007	0.455	0.275	1.51E-94	s5	RAD51C
UTP11	6.74E-99	0.302773209	0.819	0.655	1.52E-94	s5	UTP11
ATP6V1D	9.17E-99	0.301503449	0.897	0.776	2.07E-94	s5	ATP6V1D
NUP54	9.62E-99	0.261182656	0.473	0.294	2.17E-94	s5	NUP54
NIT2	1.32E-98	0.285338535	0.722	0.529	2.98E-94	s5	NIT2
CISD3	1.48E-98	0.297366012	0.679	0.493	3.33E-94	s5	CISD3
PHF14	1.65E-98	0.295217436	0.585	0.399	3.72E-94	s5	PHF14
UCHL3	2.02E-98	0.295900331	0.793	0.608	4.55E-94	s5	UCHL3
QSER1	3.48E-98	0.265801004	0.521	0.333	7.84E-94	s5	QSER1
PSMD61	5.03E-98	0.294717503	0.804	0.625	1.13E-93	s5	PSMD6
CCDC85B	7.23E-98	0.3459786	0.973	0.957	1.63E-93	s5	CCDC85B
TOMM221	7.26E-98	0.297792856	0.893	0.78	1.63E-93	s5	TOMM22
API5	7.66E-98	0.278259706	0.542	0.358	1.73E-93	s5	API5
VEGFC	1.44E-97	0.331274369	0.66	0.473	3.24E-93	s5	VEGFC
WDR46	1.86E-97	0.289146762	0.666	0.482	4.19E-93	s5	WDR46
SELENOH1	2.30E-97	0.317692604	0.931	0.866	5.19E-93	s5	SELENOH
HDAC21	2.75E-97	0.299151786	0.87	0.729	6.20E-93	s5	HDAC2
CNTLN	3.47E-97	0.269047114	0.481	0.304	7.81E-93	s5	CNTLN
MRPL57	5.04E-97	0.296145968	0.904	0.798	1.14E-92	s5	MRPL57
HYAL2	6.58E-97	0.293762501	0.603	0.416	1.48E-92	s5	HYAL2
TMEM70	7.20E-97	0.277200547	0.561	0.376	1.62E-92	s5	TMEM70
FSCN1	7.40E-97	0.272333456	0.97	0.916	1.67E-92	s5	FSCN1
EEA1	8.71E-97	0.306927543	0.797	0.637	1.96E-92	s5	EEA1
MRPL221	9.72E-97	0.29378184	0.825	0.659	2.19E-92	s5	MRPL22

BYSL	1.85E-96	0.254092502	0.439	0.265	4.16E-92	s5	BYSL
SMAP2	2.42E-96	0.300799329	0.602	0.418	5.44E-92	s5	SMAP2
PDS5B	2.67E-96	0.261418976	0.502	0.319	6.01E-92	s5	PDS5B
PELP1	7.28E-96	0.270263799	0.526	0.343	1.64E-91	s5	PELP1
ARF6	1.00E-95	0.28452823	0.724	0.537	2.26E-91	s5	ARF6
MLEC1	1.11E-95	0.289535166	0.958	0.91	2.49E-91	s5	MLEC
LMO7	1.14E-95	0.415216431	0.893	0.784	2.58E-91	s5	LMO7
IPO5	1.36E-95	0.304547777	0.903	0.79	3.06E-91	s5	IPO5
SDC1	1.39E-95	0.280163478	0.431	0.26	3.13E-91	s5	SDC1
LETM1	1.83E-95	0.2541618	0.461	0.284	4.13E-91	s5	LETM1
U2AF2	3.25E-95	0.259542184	0.539	0.353	7.33E-91	s5	U2AF2
SWAP70	8.01E-95	0.294210605	0.542	0.36	1.80E-90	s5	SWAP70
NUDT15	1.57E-94	0.258060429	0.443	0.27	3.54E-90	s5	NUDT15
EHD4	1.67E-94	0.278286402	0.598	0.409	3.76E-90	s5	EHD4
DKN2AIPN	2.11E-94	0.258267484	0.503	0.322	4.74E-90	s5	DKN2AIPN
MRPS71	2.13E-94	0.290782882	0.803	0.633	4.79E-90	s5	MRPS7
COA1	2.64E-94	0.279290592	0.743	0.563	5.95E-90	s5	COA1
MRPL46	2.81E-94	0.260431223	0.508	0.328	6.33E-90	s5	MRPL46
RNASEH1	2.90E-94	0.287784168	0.735	0.56	6.53E-90	s5	RNASEH1
PN011	3.58E-94	0.263255907	0.531	0.347	8.07E-90	s5	PN01
RAC3	5.24E-94	0.325546158	0.633	0.456	1.18E-89	s5	RAC3
MFSD2A	8.25E-94	0.268639846	0.445	0.269	1.86E-89	s5	MFSD2A
ESF11	8.48E-94	0.290445283	0.622	0.439	1.91E-89	s5	ESF1
CAND1	1.03E-93	0.288989191	0.696	0.513	2.31E-89	s5	CAND1
GTF2A21	1.53E-93	0.297237588	0.929	0.842	3.44E-89	s5	GTF2A2
ENTR1	2.71E-93	0.269902124	0.537	0.357	6.12E-89	s5	ENTR1
SLC9A3R21	6.00E-93	0.368883918	0.79	0.639	1.35E-88	s5	SLC9A3R2
MAGOH1	6.37E-93	0.272666159	0.749	0.568	1.43E-88	s5	MAGOH
SCCPDH	7.07E-93	0.271818513	0.638	0.451	1.59E-88	s5	SCCPDH
SF3B3	7.88E-93	0.278261009	0.588	0.406	1.78E-88	s5	SF3B3
LUZP1	8.48E-93	0.296933794	0.817	0.657	1.91E-88	s5	LUZP1
ITGB1BP11	1.31E-92	0.292840208	0.867	0.759	2.94E-88	s5	ITGB1BP1
RPS19BP11	1.69E-92	0.303953899	0.922	0.842	3.81E-88	s5	RPS19BP1
MPDU1	3.07E-92	0.259790474	0.505	0.326	6.92E-88	s5	MPDU1
PSMC21	3.13E-92	0.274515554	0.754	0.571	7.06E-88	s5	PSMC2
EXOSC4	6.56E-92	0.254722067	0.493	0.316	1.48E-87	s5	EXOSC4
ABRACL	7.83E-92	0.289824945	0.712	0.538	1.76E-87	s5	ABRACL
XIST	1.41E-91	0.407674246	0.618	0.429	3.17E-87	s5	XIST
EWSR11	2.18E-91	0.28400783	0.754	0.578	4.90E-87	s5	EWSR1
TMX1	2.27E-91	0.262396182	0.581	0.397	5.11E-87	s5	TMX1
PPP5C	4.78E-91	0.256407268	0.512	0.334	1.08E-86	s5	PPP5C
CFAP298	4.93E-91	0.260554177	0.58	0.397	1.11E-86	s5	CFAP298
FAM129B	9.57E-91	0.316315641	0.688	0.514	2.16E-86	s5	FAM129B

DCAF131	9.93E-91	0.280280237	0.787	0.617	2.24E-86	s5	DCAF13
DTD1	1.01E-90	0.280690809	0.772	0.598	2.27E-86	s5	DTD1
TXNL4A1	2.27E-90	0.272568342	0.94	0.875	5.12E-86	s5	TXNL4A
PRPF4B	2.73E-90	0.284732176	0.792	0.617	6.15E-86	s5	PRPF4B
ERLIN1	4.28E-90	0.250973073	0.499	0.321	9.64E-86	s5	ERLIN1
HDAC1	4.85E-90	0.279279684	0.675	0.491	1.09E-85	s5	HDAC1
HDGFL31	6.62E-90	0.297399727	0.816	0.65	1.49E-85	s5	HDGFL3
DERL2	9.41E-90	0.29859022	0.759	0.598	2.12E-85	s5	DERL2
NAA10	1.07E-89	0.300126099	0.91	0.824	2.40E-85	s5	NAA10
GNL2	1.21E-89	0.276403022	0.612	0.431	2.73E-85	s5	GNL2
BDP1	2.94E-89	0.271429264	0.726	0.546	6.62E-85	s5	BDP1
APEX1	3.48E-89	0.271420352	0.91	0.805	7.84E-85	s5	APEX1
CBX31	5.08E-89	0.251131366	0.988	0.956	1.15E-84	s5	CBX3
FBXO17	5.91E-89	0.276467845	0.607	0.424	1.33E-84	s5	FBXO17
ADAMTS1	1.20E-88	0.434528829	0.56	0.393	2.71E-84	s5	ADAMTS1
MET	1.43E-88	0.25107829	0.412	0.247	3.23E-84	s5	MET
STARD7	2.27E-88	0.252249417	0.544	0.364	5.11E-84	s5	STARD7
ZNF511	2.36E-88	0.279208846	0.614	0.44	5.31E-84	s5	ZNF511
PMF1	2.49E-88	0.273027801	0.651	0.47	5.62E-84	s5	PMF1
FOXD1	2.50E-88	0.322552455	0.801	0.636	5.63E-84	s5	FOXD1
PNKP	2.69E-88	0.264433942	0.537	0.362	6.06E-84	s5	PNKP
H2AFY1	3.70E-88	0.271647432	0.92	0.814	8.35E-84	s5	H2AFY
MRPL50	3.77E-88	0.250811105	0.529	0.351	8.48E-84	s5	MRPL50
NONO1	3.84E-88	0.283807847	0.91	0.794	8.66E-84	s5	NONO
ILKAP	4.46E-88	0.251252159	0.48	0.307	1.01E-83	s5	ILKAP
DDX23	4.53E-88	0.25112852	0.524	0.348	1.02E-83	s5	DDX23
NUTF2	5.47E-88	0.267951405	0.911	0.804	1.23E-83	s5	NUTF2
HIGD1A	7.47E-88	0.269082592	0.737	0.557	1.68E-83	s5	HIGD1A
SMARCB1	1.01E-87	0.28047406	0.768	0.595	2.27E-83	s5	SMARCB1
FUBP1	1.11E-87	0.267806175	0.718	0.531	2.49E-83	s5	FUBP1
BCAS2	2.05E-87	0.278804153	0.686	0.513	4.61E-83	s5	BCAS2
AKT1	2.55E-87	0.273824358	0.749	0.579	5.74E-83	s5	AKT1
EPB41L2	2.91E-87	0.287050182	0.69	0.513	6.56E-83	s5	EPB41L2
RALA1	6.53E-87	0.342182369	0.872	0.768	1.47E-82	s5	RALA
DUSP14	6.59E-87	0.269522708	0.668	0.482	1.48E-82	s5	DUSP14
LRRC58	6.62E-87	0.251519432	0.467	0.297	1.49E-82	s5	LRRC58
EHMT1	6.92E-87	0.251619819	0.532	0.356	1.56E-82	s5	EHMT1
RNF8	1.79E-86	0.255515322	0.533	0.356	4.04E-82	s5	RNF8
ECHDC1	2.49E-86	0.271865168	0.706	0.533	5.62E-82	s5	ECHDC1
MRPL35	4.37E-86	0.270280094	0.59	0.415	9.84E-82	s5	MRPL35
YRDC	1.32E-85	0.260381806	0.517	0.345	2.98E-81	s5	YRDC
PUSL1	1.73E-85	0.2523917	0.44	0.278	3.91E-81	s5	PUSL1
BRD71	2.03E-85	0.265587058	0.779	0.607	4.58E-81	s5	BRD7

STX2	2.13E-85	0.275348635	0.716	0.54	4.80E-81	s5	STX2
CD2BP2	6.73E-85	0.264358815	0.655	0.478	1.52E-80	s5	CD2BP2
LRPPRC	1.02E-84	0.286077384	0.68	0.51	2.29E-80	s5	LRPPRC
RWDD4	1.02E-84	0.276426625	0.66	0.488	2.31E-80	s5	RWDD4
MRPL471	1.86E-84	0.273331197	0.851	0.715	4.19E-80	s5	MRPL47
YLPM1	1.99E-84	0.252642608	0.535	0.36	4.49E-80	s5	YLPM1
PFKP	2.01E-84	0.255467169	0.979	0.937	4.52E-80	s5	PFKP
SPIRE1	4.47E-84	0.256297158	0.518	0.348	1.01E-79	s5	SPIRE1
MRPS2	4.61E-84	0.26721472	0.659	0.483	1.04E-79	s5	MRPS2
MEA1	4.95E-84	0.274748279	0.748	0.581	1.12E-79	s5	MEA1
COX201	1.43E-83	0.300546611	0.895	0.783	3.21E-79	s5	COX20
TSPAN5	1.69E-83	0.293231679	0.851	0.725	3.81E-79	s5	TSPAN5
AHNAK2	2.26E-83	0.286435104	0.547	0.375	5.10E-79	s5	AHNAK2
MRPS18C1	3.88E-83	0.281073255	0.807	0.661	8.74E-79	s5	MRPS18C
RNASEH2C	6.84E-83	0.296604775	0.819	0.679	1.54E-78	s5	RNASEH2C
ETF1	8.70E-83	0.26537919	0.799	0.635	1.96E-78	s5	ETF1
SMARCA51	1.03E-82	0.270716491	0.89	0.766	2.33E-78	s5	SMARCA5
ASAP2	1.92E-82	0.257130365	0.609	0.429	4.33E-78	s5	ASAP2
MANF	2.02E-82	0.285812805	0.96	0.914	4.54E-78	s5	MANF
DIS3	2.48E-82	0.259233979	0.595	0.42	5.58E-78	s5	DIS3
EDN1	4.87E-82	0.390340287	0.223	0.107	1.10E-77	s5	EDN1
CDK6	8.10E-82	0.266130762	0.637	0.455	1.83E-77	s5	CDK6
NIN	8.68E-82	0.267672833	0.614	0.437	1.96E-77	s5	NIN
PSMA51	8.79E-82	0.265052293	0.941	0.859	1.98E-77	s5	PSMA5
NAA20	8.93E-82	0.264169546	0.805	0.651	2.01E-77	s5	NAA20
FAM92A	1.29E-81	0.258836056	0.648	0.47	2.90E-77	s5	FAM92A
IPO7	1.31E-81	0.275201664	0.856	0.721	2.96E-77	s5	IPO7
MCUR1	1.92E-81	0.257854796	0.644	0.472	4.32E-77	s5	MCUR1
RRAS2	1.94E-81	0.264302516	0.708	0.529	4.37E-77	s5	RRAS2
DIRAS31	2.24E-81	0.74129606	0.566	0.407	5.05E-77	s5	DIRAS3
MRPL44	2.35E-81	0.27049024	0.807	0.66	5.30E-77	s5	MRPL4
PLGRKT	2.70E-81	0.259874812	0.584	0.41	6.09E-77	s5	PLGRKT
TIMM501	3.25E-81	0.257755913	0.679	0.504	7.33E-77	s5	TIMM50
RBM28	3.58E-81	0.255297436	0.594	0.418	8.06E-77	s5	RBM28
TOR1A	3.94E-81	0.261081297	0.66	0.487	8.87E-77	s5	TOR1A
THOC71	4.92E-81	0.253915345	0.942	0.859	1.11E-76	s5	THOC7
LUC7L3	5.84E-81	0.27589273	0.848	0.703	1.31E-76	s5	LUC7L3
MRPL34	6.32E-81	0.26813215	0.676	0.504	1.42E-76	s5	MRPL34
POLE4	6.61E-81	0.26768169	0.792	0.623	1.49E-76	s5	POLE4
MRPS11	8.04E-81	0.252542033	0.72	0.543	1.81E-76	s5	MRPS11
PBRM1	1.53E-80	0.261085497	0.687	0.507	3.44E-76	s5	PBRM1
DNAJC71	1.60E-80	0.269430898	0.883	0.768	3.61E-76	s5	DNAJC7
HAS2	2.62E-80	0.331349316	0.426	0.265	5.90E-76	s5	HAS2

SEPT101	3.01E-80	0.266820709	0.777	0.609	6.77E-76	s5	SEPT10
PHOSPH10	3.23E-80	0.276066404	0.688	0.528	7.27E-76	s5	PHOSPH10
CAPN1	5.21E-80	0.267394344	0.766	0.604	1.17E-75	s5	CAPN1
MRPL271	2.38E-79	0.276868849	0.822	0.684	5.36E-75	s5	MRPL27
SH3RF1	3.24E-79	0.269123787	0.603	0.435	7.30E-75	s5	SH3RF1
HINT2	3.84E-79	0.254739918	0.595	0.422	8.64E-75	s5	HINT2
TRAPPC2L	3.93E-79	0.301546627	0.82	0.678	8.86E-75	s5	TRAPPC2L
ARSJ	3.99E-79	0.273149983	0.532	0.361	8.99E-75	s5	ARSJ
MNAT1	1.39E-78	0.257728486	0.639	0.47	3.13E-74	s5	MNAT1
USP10	2.61E-78	0.25072312	0.662	0.489	5.89E-74	s5	USP10
KPNA31	3.35E-78	0.261638957	0.732	0.559	7.54E-74	s5	KPNA3
SLC7A2	3.75E-78	0.266695181	0.282	0.151	8.44E-74	s5	SLC7A2
NET1	4.22E-78	0.258231604	0.488	0.324	9.51E-74	s5	NET1
MRPS351	7.64E-78	0.261542387	0.726	0.557	1.72E-73	s5	MRPS35
MCAM	1.70E-77	0.272111404	0.504	0.335	3.84E-73	s5	MCAM
NDUFA9	2.01E-77	0.261280108	0.75	0.59	4.54E-73	s5	NDUFA9
TXNDC171	2.59E-77	0.262215684	0.966	0.931	5.84E-73	s5	TXNDC17
GTF2F2	3.50E-77	0.264144247	0.703	0.542	7.90E-73	s5	GTF2F2
MGLL	5.69E-77	0.292613198	0.684	0.513	1.28E-72	s5	MGLL
RANBP2	1.07E-76	0.257864069	0.638	0.473	2.41E-72	s5	RANBP2
POLR2E1	1.90E-76	0.256601149	0.91	0.804	4.28E-72	s5	POLR2E
MCTS1	2.32E-76	0.26095937	0.875	0.761	5.23E-72	s5	MCTS1
EMC61	3.87E-76	0.261950766	0.895	0.784	8.72E-72	s5	EMC6
EIF4E	3.99E-76	0.257142305	0.733	0.57	8.99E-72	s5	EIF4E
HK1	1.02E-75	0.258559682	0.753	0.59	2.30E-71	s5	HK1
AHSA11	1.81E-75	0.262789139	0.75	0.602	4.08E-71	s5	AHSA1
LSM12	7.96E-75	0.250063962	0.71	0.543	1.79E-70	s5	LSM12
SLC25A11	1.99E-74	0.259594149	0.753	0.595	4.48E-70	s5	SLC25A11
IFT57	2.16E-74	0.265736634	0.753	0.591	4.87E-70	s5	IFT57
EXT1	2.77E-74	0.258109014	0.947	0.887	6.23E-70	s5	EXT1
DCXR1	4.91E-74	0.264601374	0.781	0.625	1.11E-69	s5	DCXR
ATG3	5.67E-74	0.255814327	0.722	0.571	1.28E-69	s5	ATG3
NAXE	7.73E-74	0.253313041	0.698	0.534	1.74E-69	s5	NAXE
S100A101	9.54E-74	0.273371908	0.999	0.996	2.15E-69	s5	S100A10
DENR1	1.33E-73	0.257112422	0.8	0.656	3.00E-69	s5	DENR
DOCK7	1.38E-73	0.252596652	0.596	0.433	3.11E-69	s5	DOCK7
CAPRIN11	1.77E-73	0.263471692	0.859	0.736	3.99E-69	s5	CAPRIN1
EGFR	2.60E-73	0.265445269	0.751	0.592	5.87E-69	s5	EGFR
ANKRD1	7.70E-73	0.337948439	0.236	0.119	1.73E-68	s5	ANKRD1
UGDH	7.81E-73	0.260901762	0.777	0.631	1.76E-68	s5	UGDH
CHCHD11	5.02E-72	0.253622681	0.838	0.699	1.13E-67	s5	CHCHD1
SAFB	1.60E-71	0.254901369	0.62	0.457	3.61E-67	s5	SAFB
SPATS2L1	1.07E-70	0.268660277	0.932	0.861	2.41E-66	s5	SPATS2L

PPP2R2A	1.10E-70	0.25339674	0.758	0.603	2.48E-66	s5	PPP2R2A
MRPL18	1.59E-70	0.25350978	0.866	0.759	3.59E-66	s5	MRPL18
SELENOT	1.60E-70	0.278073084	0.828	0.703	3.59E-66	s5	SELENOT
FAM173A	1.64E-70	0.253342435	0.711	0.556	3.69E-66	s5	FAM173A
TRAM2	3.39E-69	0.263401056	0.663	0.498	7.63E-65	s5	TRAM2
GPRC5A	4.00E-69	0.279882388	0.59	0.422	9.01E-65	s5	GPRC5A
HIST1H1C	4.06E-69	0.392755642	0.474	0.333	9.14E-65	s5	HIST1H1C
CLDN11	1.33E-68	0.40686771	0.572	0.424	2.99E-64	s5	CLDN11
BAD	1.48E-68	0.252299627	0.793	0.653	3.33E-64	s5	BAD
HMOX2	2.18E-68	0.25344438	0.76	0.618	4.90E-64	s5	HMOX2
ARHGAP29	2.33E-68	0.314124925	0.499	0.347	5.26E-64	s5	ARHGAP29
TMEM18	1.00E-67	0.252850231	0.618	0.464	2.25E-63	s5	TMEM18
GNG11	3.13E-67	0.284948975	0.863	0.729	7.05E-63	s5	GNG11
RPL26L1	5.24E-67	0.25212087	0.885	0.795	1.18E-62	s5	RPL26L1
CD9	5.93E-67	0.273532585	0.73	0.58	1.34E-62	s5	CD9
ARSI	1.90E-66	0.256465418	0.422	0.28	4.29E-62	s5	ARSI
PCDH9	8.25E-65	0.296931692	0.238	0.129	1.86E-60	s5	PCDH9
LYPD1	1.67E-64	0.348842632	0.744	0.612	3.76E-60	s5	LYPD1
MRPL21	9.26E-63	0.251130168	0.777	0.641	2.09E-58	s5	MRPL21
MRPL36	1.30E-62	0.256476513	0.809	0.686	2.93E-58	s5	MRPL36
POU2F2	3.05E-59	0.366523882	0.625	0.482	6.87E-55	s5	POU2F2
KLF6	4.02E-52	0.255757542	0.899	0.81	9.05E-48	s5	KLF6
FLT1	1.48E-51	0.261335612	0.58	0.439	3.33E-47	s5	FLT1
ALDH1A3	1.02E-48	0.311956833	0.64	0.51	2.30E-44	s5	ALDH1A3
DSP	1.29E-46	0.2688754	0.429	0.307	2.90E-42	s5	DSP
LRRC17	1.75E-39	0.288310054	0.353	0.248	3.94E-35	s5	LRRC17
ID1	2.53E-33	0.333115869	0.566	0.472	5.70E-29	s5	ID1
MMP1	5.79E-24	0.442292838	0.197	0.132	1.31E-19	s5	MMP1
TFPI2	1.07E-13	0.283253259	0.889	0.88	2.40E-09	s5	TFPI2
KRT7	3.78E-11	0.256527793	0.236	0.19	8.51E-07	s5	KRT7