

Ensembl ID	Name	Log2 Fold Cha	Adj. p-value	p53-Target
ENSG000001	GPR87	8.02349	1.23E-09	True
ENSG000001	TP53111	7.52586	4.41E-45	False
ENSG000002	TMEM249	7.51027	2.51E-08	False
ENSG000002	SERPINB5	7.13325	3.44E-25	True
ENSG000001	GLS2	7.11384	4.47E-20	True
ENSG000000	CEACAM1	6.92468	8.22E-07	False
ENSG000001	CYLC1	6.85525	9.89E-07	False
ENSG000001	NECTIN4	6.73961	1.76E-13	False
ENSG000001	PRODH	6.35951	1.13E-05	False
ENSG000001	GRIN2C	6.34011	4.51E-06	False
ENSG000000	DUSP13	6.29175	1.65E-05	False
ENSG000001	FGF1	6.11093	4.41E-05	False
ENSG000001	NODAL	6.06371	4.92E-05	False
ENSG000001	ABCA12	6.05387	1.65E-05	True
ENSG000001	VWA2	6.04879	5.96E-05	False
ENSG000001	CCDC120	6.02414	5.70E-05	False
ENSG000001	SLC6A4	6.01915	6.44E-05	False
ENSG000001	DQX1	5.8299	4.38E-05	False
ENSG000001	GABRD	5.82178	7.64E-13	False
ENSG000001	COL1A2	5.75335	1.67E-30	False
ENSG000001	SYT11	5.69926	0.00026639	False
ENSG000001	GJB5	5.66887	0.00031634	False
ENSG000001	PDE6G	5.63145	0.00032278	False
ENSG000001	KANK3	5.62579	3.03E-06	False
ENSG000002	MUC5AC	5.62436	0.00037089	False
ENSG000001	ITGB2	5.56631	0.00014553	False
ENSG000001	SNAI3	5.5287	0.00015681	False
ENSG000001	RIC3	5.51262	0.00057082	False
ENSG000001	TNFRSF14	5.46061	2.45E-16	False
ENSG000001	PLEKHG1	5.45768	4.51E-11	False
ENSG000000	BLNK	5.38215	3.15E-13	False
ENSG000001	SLC16A12	5.35347	0.0003222	False
ENSG000001	ARNT2	5.32361	0.00112881	False
ENSG000001	SEPTIN4	5.30191	7.79E-08	False
ENSG000001	SCN2A	5.29293	1.91E-05	True
ENSG000001	GGT6	5.24491	0.00163853	False
ENSG000001	PLCL1	5.24085	0.0016739	False
ENSG000001	KCND3	5.11174	0.00270242	False
ENSG000001	NHLH2	5.11106	0.00265667	True
ENSG000001	MFSD4A	5.09652	0.00268638	False
ENSG000001	LYNX1	5.0739	0.00359721	False
ENSG000001	TENT5C	5.05302	0.0009983	False
ENSG000001	ZAR1	5.02125	0.00110377	False
ENSG000001	CIBAR2	5.01947	0.00351928	False
ENSG000001	RND1	5.00731	0.00115453	False
ENSG000001	C11orf96	4.93467	0.00547224	False
ENSG000001	ARHGAP30	4.93385	0.00473746	False
ENSG000001	GAST	4.93101	0.00486132	False
ENSG000001	LGALS7B	4.92675	0.00490582	False
ENSG000002	LGALS7	4.92675	0.00490582	False
ENSG000001	CEL	4.90357	0.00643661	True

ENSG0000014 ILDR2	4.88103	0.00191377	False
ENSG0000019 ELOVL2	4.87726	0.00194771	False
ENSG0000018 SBK1	4.81686	5.70E-14	False
ENSG0000018 SORCS2	4.77777	0.00257032	False
ENSG0000019 CA10	4.73345	0.00948172	False
ENSG0000029 SMIM3	4.72266	1.98E-11	False
ENSG0000019 PLA2G4D	4.68853	0.00386853	False
ENSG0000010 VSIG1	4.65793	0.00394152	False
ENSG0000019 PLXNB3	4.65324	6.86E-06	False
ENSG0000010 PLG	4.65226	0.0131672	False
ENSG0000018 GPR3	4.64453	0.0146132	False
ENSG0000010 IL24	4.64069	0.0127907	False
ENSG0000010 MYBPC3	4.54011	0.0191861	False
ENSG0000010 CSTA	4.50219	0.0222902	False
ENSG0000019 CELF3	4.4945	0.0212772	False
ENSG0000010 GASK1B	4.4649	0.00080748	True
ENSG0000014 PADI3	4.44212	2.54E-05	False
ENSG0000010 LY6D	4.42102	0.00808323	False
ENSG0000010 CXCL11	4.41769	0.00897294	False
ENSG0000018 HBA2	4.40555	0.0256881	False
ENSG0000018 POU3F1	4.40131	0.0251929	True
ENSG0000010 PDE4C	4.39027	0.00103595	True
ENSG0000010 FBP2	4.36708	0.00928207	False
ENSG0000010 SMPDL3B	4.36552	0.00946692	False
ENSG0000010 GALNT18	4.30055	1.01E-11	False
ENSG0000020 ANKRD65	4.29841	0.0117008	False
ENSG0000019 GRHL3	4.28835	0.0117726	True
ENSG0000010 ELAPOR1	4.26929	6.11E-16	False
ENSG0000010 ACSBG1	4.26738	7.98E-05	False
ENSG0000000 COL17A1	4.26325	0.0369911	False
ENSG0000010 GEM	4.25636	0.0360197	False
ENSG0000018 ZBTB7C	4.25636	0.0360197	False
ENSG0000010 HPN	4.25483	9.14E-05	False
ENSG0000010 LINGO1	4.22835	0.0421176	False
ENSG0000019 LRGUK	4.22736	0.0141795	False
ENSG0000018 SRPK3	4.2159	4.95E-06	False
ENSG0000000 SLC7A8	4.2133	0.0150105	False
ENSG0000014 TM7SF2	4.19593	2.58E-49	False
ENSG0000020 TCEAL6	4.14038	0.0190682	False
ENSG0000010 CLCA2	4.13915	0.0177729	True
ENSG0000010 SMIM10L2A	4.09393	0.0539921	False
ENSG0000020 TCEA3	4.0768	0.0607383	False
ENSG0000014 UNC45B	4.07121	0.0642549	False
ENSG0000010 LBX2	4.06721	0.0646697	False
ENSG0000010 FOXS1	4.05984	0.00421402	False
ENSG0000000 FXYD3	3.99411	0.00501569	False
ENSG0000010 PGF	3.99074	0.00497733	False
ENSG0000020 ANXA8L1	3.98434	0.00501569	False
ENSG0000018 PEAR1	3.98096	0.0271925	False
ENSG0000010 VAMP8	3.97977	0.00037566	True
ENSG0000010 TMC8	3.97887	0.0270923	False
ENSG0000010 ALDH1A2	3.96714	0.0273863	False

ENSG00000101161	TP53INP1	3.95607	2.96E-95	True
ENSG00000101162	FDXR	3.95353	2.24E-161	True
ENSG00000101163	CIB3	3.9499	0.0809121	False
ENSG00000101164	NSG1	3.94096	0.0746945	False
ENSG00000201165	FRG2B	3.93675	0.0768372	False
ENSG00000201166	FRG2	3.93675	0.0768372	False
ENSG00000001167	ALOX5	3.92674	0.0766654	False
ENSG00000101168	PPY	3.906	0.0877727	False
ENSG00000101169	TNNC2	3.90155	0.0885661	False
ENSG00000201170	POTEJ	3.90155	0.0885661	False
ENSG00000101171	DAPK1	3.88569	4.48E-08	False
ENSG00000101172	WT1	3.86832	0.0359756	False
ENSG00000101173	PAK6	3.79581	0.0449465	False
ENSG00000001174	ETV7	3.77282	1.53E-09	True
ENSG00000101175	PRICKLE2	3.76819	0.00106691	False
ENSG00000101176	HKDC1	3.75404	0.114518	False
ENSG00000101177	STEAP4	3.7493	0.122554	False
ENSG00000101178	SLC15A2	3.74244	0.11055	False
ENSG00000101179	GDF15	3.74109	0	True
ENSG00000101180	YPEL1	3.72598	0.117919	False
ENSG00000101181	ZMYND15	3.72045	0.445186	False
ENSG00000101182	FAM167A	3.71641	0.00017063	False
ENSG00000101183	FOLR3	3.71419	0.122252	False
ENSG00000201184	PTCHD4	3.6727	4.26E-07	False
ENSG00000101185	LRRC15	3.66479	0.0646518	False
ENSG00000001186	DGKA	3.62205	1.61E-73	True
ENSG00000201187	APOBEC3C	3.5926	4.59E-158	True
ENSG00000001188	LAMP3	3.57482	0.00057992	False
ENSG00000101189	SYTL2	3.56636	0.0732758	False
ENSG00000101190	BTC	3.55874	0.0697439	False
ENSG00000101191	ZNF423	3.55599	0.0689924	True
ENSG00000001192	YPEL3	3.55136	3.52E-20	False
ENSG00000101193	ALOX12B	3.53899	0.00348537	False
ENSG00000001194	COL9A2	3.53063	0.0776778	False
ENSG00000101195	ODF3L1	3.52796	0.0967117	False
ENSG00000101196	DHRS3	3.52023	0.0240322	True
ENSG00000101197	ESRRB	3.51652	0.00071968	False
ENSG00000101198	NHLRC1	3.51216	0.167358	False
ENSG00000101199	MXRA8	3.50885	0.479575	False
ENSG00000101200	TCN2	3.50885	0.479575	True
ENSG00000101201	SHC4	3.50729	0.00419667	False
ENSG00000101202	TRIM63	3.50346	0.489977	False
ENSG00000001203	SCARF1	3.50346	0.489977	False
ENSG00000101204	SFRP4	3.49172	0.198173	False
ENSG00000101205	VCX2	3.49172	0.198173	False
ENSG00000101206	LRRN4CL	3.48475	0.00386593	False
ENSG00000101207	GBP3	3.48309	0.026036	False
ENSG00000101208	CDKN1A	3.46901	0	True
ENSG00000101209	TMPRSS7	3.45928	0.108043	False
ENSG00000101210	ITGB4	3.44945	0.0289668	True
ENSG00000101211	ARSI	3.44614	0.0892715	False
ENSG00000001212	NGFR	3.44317	0.0049356	False

ENSG0000016RRAD	3.44288	0.00480864	True
ENSG0000016SCN3B	3.43338	0.00490127	False
ENSG0000027NTF4	3.42246	0.00097107	False
ENSG0000027NATD1	3.40078	8.69E-12	False
ENSG0000016APOBEC3H	3.36197	0.0013096	True
ENSG0000026ANXA8	3.33928	3.36E-08	False
ENSG0000000BAIAP3	3.33688	0.0376526	False
ENSG0000016DKK1	3.33501	3.67E-14	False
ENSG0000026TMEM88B	3.31678	0.117919	False
ENSG0000018PSG9	3.3095	0.0435193	False
ENSG0000017FAM90A1	3.29765	0.113286	False
ENSG0000014PAOX	3.29204	0.25759	False
ENSG0000017CPNE5	3.29204	0.25759	False
ENSG0000018SLC52A1	3.29002	0.11686	False
ENSG0000017GALNTL6	3.28778	0.125605	False
ENSG0000018GUCA1B	3.28501	0.260027	False
ENSG0000009TNIP3	3.27593	0.00197682	False
ENSG0000026FXD1	3.27579	0.142392	False
ENSG0000018TP53I3	3.27143	5.22E-198	True
ENSG0000027GPSM3	3.26773	0.234825	False
ENSG0000018C2orf78	3.26758	0.125247	False
ENSG0000018FBXO2	3.25685	3.20E-11	False
ENSG0000017GRAMD2A	3.2553	2.76E-09	False
ENSG0000018LGI4	3.25431	0.0487694	False
ENSG0000019TMEM229B	3.25179	0.239857	False
ENSG0000018LOXL4	3.24502	6.26E-06	False
ENSG0000009IL12RB1	3.24492	0.241822	False
ENSG0000018LYPD5	3.24492	0.241822	False
ENSG0000018CCNA1	3.23738	7.36E-100	False
ENSG0000018GNG2	3.23166	0.0479068	False
ENSG0000018HEPHL1	3.2285	0.252556	False
ENSG0000014FBXO25	3.2285	0.252556	False
ENSG0000019PDCD1LG2	3.21951	0.00416776	False
ENSG0000018CEACAM19	3.20094	0.55817	False
ENSG0000017NUPR1	3.19767	4.48E-12	True
ENSG0000016INPP5D	3.1922	0.0128972	False
ENSG0000014TINAGL1	3.18393	3.56E-11	False
ENSG0000019ART3	3.15678	0.147947	False
ENSG0000016AREG	3.15167	3.23E-23	False
ENSG0000027BTBD19	3.15091	5.48E-09	False
ENSG0000026SCRT1	3.14935	0.395694	False
ENSG0000019GAL3ST4	3.14093	0.145988	False
ENSG0000019FCER1G	3.13734	0.148563	False
ENSG0000017ADGRG2	3.13733	0.149328	False
ENSG0000018GALR2	3.12363	5.00E-09	False
ENSG0000000HES2	3.10111	2.46E-16	False
ENSG0000016NOVA2	3.09257	0.0673405	False
ENSG0000017RIPOR2	3.07415	0.0675946	False
ENSG0000016VSIR	3.07116	0.0707859	False
ENSG0000019RD3	3.05042	0.00224021	False
ENSG0000018RNF144B	3.04445	0.00046846	True
ENSG0000018TRIM22	3.01188	0.0237564	True

ENSG000001: IL18BP	2.99935	0.0816459	False
ENSG000001: PXT1	2.9977	0.0825275	False
ENSG000001: CYSRT1	2.99619	0.00022778	True
ENSG000001: PPP1R1C	2.99255	0.219123	False
ENSG000001: RHBDL3	2.98774	0.0825582	False
ENSG000001: IDO2	2.98757	0.0899724	False
ENSG000001: CAVIN2	2.98531	0.00795469	True
ENSG000002: PSG1	2.97993	0.0857977	False
ENSG000001: LGSN	2.97362	0.0860124	False
ENSG000001: CYGB	2.97331	0.196694	False
ENSG000001: SPRY4	2.97046	0.0871558	False
ENSG000002: KLF14	2.96919	0.191042	False
ENSG000002: ZNF578	2.96638	0.365492	False
ENSG000001: SCNN1A	2.96515	0.192046	False
ENSG000001: LHFPL5	2.95782	0.374748	False
ENSG000001: LGR6	2.95613	0.223825	False
ENSG000001: SPN	2.95556	0.195731	False
ENSG000001: CGB5	2.95281	0.671227	False
ENSG000002: CGB8	2.95281	0.671227	False
ENSG000001: CGB3	2.95281	0.671227	False
ENSG000001: ESPN	2.95185	0.0299066	False
ENSG000001: BSN	2.94522	0.343996	False
ENSG000002: ZNF625-ZNF21	2.94522	0.343996	False
ENSG000001: ZNF20	2.94522	0.343996	False
ENSG000001: HSPA6	2.93812	4.76E-06	False
ENSG000001: SLC15A3	2.93673	0.346721	False
ENSG000000: JPH4	2.93673	0.346721	False
ENSG000001: CCDC152	2.93673	0.346721	False
ENSG000002: COLQ	2.93673	0.346721	False
ENSG000001: LPIN3	2.93071	8.31E-64	False
ENSG000001: KISS1	2.92802	0.385388	False
ENSG000002: RAB7B	2.92505	0.380376	False
ENSG000001: EVA1A	2.91664	0.353669	False
ENSG000001: USH1G	2.90004	0.113089	False
ENSG000001: COL26A1	2.89789	0.0997645	False
ENSG000001: GALNT9	2.89451	0.398522	False
ENSG000001: ANXA9	2.89315	0.0362556	False
ENSG000002: UBD	2.89189	7.22E-06	False
ENSG000001: PIDD1	2.88928	8.41E-06	True
ENSG000002: PLIN5	2.88668	0.00063637	False
ENSG000001: TAC3	2.88523	0.402019	False
ENSG000001: HOXA3	2.87404	0.105287	False
ENSG000001: RBBP8NL	2.87081	0.0367204	False
ENSG000000: CASP10	2.86632	1.14E-08	False
ENSG000001: EPS8L2	2.85815	9.30E-49	True
ENSG000001: TMEM139	2.84743	0.686535	False
ENSG000001: PDGFC	2.83856	8.61E-12	False
ENSG000001: INKA2	2.82436	1.66E-19	True
ENSG000002: COL11A2	2.82079	1.06E-12	False
ENSG000001: EDA2R	2.81523	0.0450061	True
ENSG000001: XKRX	2.79594	0.246603	False
ENSG000000: RAPGEF3	2.78976	0.249586	False

ENSG0000018 EPHA10	2.78042	0.246348	False
ENSG0000008 ACHE	2.77582	0.253884	False
ENSG0000016 ZNF385A	2.77322	7.21E-08	True
ENSG0000016 PLB1	2.77184	0.14553	False
ENSG0000013 PDZD2	2.76487	0.255823	False
ENSG0000017 ZNF843	2.75849	0.259243	False
ENSG0000017 TMEM52	2.75431	0.0296683	False
ENSG0000004 MYO16	2.74767	0.284362	False
ENSG0000016 RAB3B	2.74646	1.08E-06	False
ENSG0000019 UBASH3B	2.72488	1.99E-08	False
ENSG0000017 PLPPR3	2.72151	0.0678453	False
ENSG0000017 FRMD5	2.71419	0.00064664	False
ENSG0000017 TNFSF9	2.68768	3.72E-12	True
ENSG0000019 ALPK2	2.66925	1.62E-22	False
ENSG0000019 F11R	2.66059	7.99E-07	False
ENSG0000017 LCN15	2.65637	0.15834	False
ENSG0000016 MT1E	2.65625	8.78E-14	False
ENSG0000014 RGL1	2.65288	1.48E-15	True
ENSG0000017 ACER2	2.63058	9.27E-05	True
ENSG0000014 PTGES	2.61923	2.13E-134	False
ENSG0000017 LACC1	2.60428	4.33E-28	False
ENSG0000013 PRKG2	2.60097	0.00346775	False
ENSG0000013 DSC3	2.59466	2.02E-43	False
ENSG0000013 CASP1	2.59419	0.00071284	True
ENSG0000000 GIPR	2.59358	0.337245	False
ENSG0000008 SESN1	2.58978	1.15E-91	True
ENSG0000004 ANO2	2.58672	5.98E-08	False
ENSG0000013 CCND2	2.58168	8.69E-21	True
ENSG0000017 ATP1B2	2.58047	0.199632	False
ENSG0000020 PSORS1C1	2.57724	0.352506	False
ENSG0000006 COL11A1	2.57631	0.00207556	False
ENSG0000014 FEZ1	2.57383	0.31815	False
ENSG0000000 CYP24A1	2.57376	0.316807	False
ENSG0000020 PATL2	2.57117	0.539487	False
ENSG0000018 TNFSF15	2.56915	7.94E-06	False
ENSG0000009 ARVCF	2.56902	6.63E-10	False
ENSG0000007 NAALAD2	2.56131	0.32238	False
ENSG0000014 TLCD3B	2.56131	0.32238	False
ENSG0000029 PINX1	2.56067	0.194864	False
ENSG0000020 SMIM5	2.55807	0.357288	False
ENSG0000019 CES1	2.55702	0.510168	False
ENSG0000027 DOC2B	2.55702	0.510168	False
ENSG0000019 LRRC36	2.55702	0.510168	False
ENSG0000014 MUC4	2.55702	0.510168	False
ENSG0000016 DNAI3	2.55593	0.317212	True
ENSG0000017 MARCHF10	2.55513	0.00014087	False
ENSG0000016 VWCE	2.55346	0.0121853	True
ENSG0000017 CCDC63	2.55061	0.324605	False
ENSG0000013 SLC3A1	2.54542	0.514438	False
ENSG0000008 TMEM40	2.54336	0.326866	False
ENSG0000016 PTAFR	2.53618	0.185835	False
ENSG0000017 LURAP1	2.53456	0.551001	False

ENSG000000: SPTB	2.53456	0.551001	False
ENSG000002: CGB1	2.53456	0.551001	False
ENSG000001: CGB2	2.53456	0.551001	False
ENSG000002: PSG5	2.53456	0.551001	False
ENSG000001: GRAMD1C	2.53039	0.0055938	False
ENSG000001: CD36	2.52979	0.520506	False
ENSG000001: ELOVL3	2.52144	0.00255288	False
ENSG000001: RAB17	2.51969	0.196694	False
ENSG000001: CCDC170	2.51788	0.361276	False
ENSG000001: TMEM169	2.51786	0.494999	False
ENSG000001: HPX	2.51786	0.494999	False
ENSG000002: GOLGA6B	2.51786	0.494999	False
ENSG000001: TEK	2.51786	0.494999	False
ENSG000002: XKR4	2.50604	0.528232	False
ENSG000001: DNALI1	2.50604	0.528232	False
ENSG000001: TMEM35A	2.50604	0.528232	False
ENSG000001: ENPP2	2.50604	0.528232	False
ENSG000001: DNAH7	2.50604	0.528232	False
ENSG000001: SLC39A4	2.48996	0.53289	False
ENSG000001: NETO1	2.48996	0.53289	False
ENSG000001: FUT2	2.48996	0.53289	False
ENSG000001: TTC21A	2.48996	0.53289	False
ENSG000001: SCN2B	2.48996	0.53289	False
ENSG000001: PRSS35	2.48996	0.53289	False
ENSG000002: DDO	2.48996	0.53289	False
ENSG000002: APOBEC3D	2.48996	0.53289	False
ENSG000001: CGREF1	2.48984	4.48E-05	False
ENSG000001: SNX22	2.48016	0.00067077	False
ENSG000001: TSKS	2.47779	0.536072	False
ENSG000001: AKR1B10	2.47779	0.536072	False
ENSG000001: ZNF404	2.47779	0.536072	False
ENSG000001: RDH12	2.47779	0.536072	False
ENSG000001: S1PR4	2.47779	0.536072	False
ENSG000001: VSTM1	2.47779	0.536072	False
ENSG000001: MYO1D	2.47779	0.536072	False
ENSG000001: RAET1E	2.47573	0.0132892	False
ENSG000001: UNC13A	2.4642	0.0576307	False
ENSG000001: NIPAL1	2.45376	0.0160483	False
ENSG000001: SAT1	2.44982	6.17E-74	True
ENSG000002: CFAP57	2.44556	0.582909	False
ENSG000001: RGS9	2.44556	0.582909	False
ENSG000001: RASD1	2.43874	0.00440274	False
ENSG000001: CDC42BPG	2.42661	0.00394152	False
ENSG000001: SECTM1	2.42552	3.26E-14	False
ENSG000001: ANKRD2	2.39758	0.228832	False
ENSG000001: RAPGEFL1	2.39543	0.0693256	False
ENSG000001: GDF9	2.39404	0.232657	False
ENSG000001: SERPINE1	2.38993	6.87E-101	True
ENSG000001: VCX3A	2.3833	0.244609	False
ENSG000001: GPR183	2.37809	0.00033063	False
ENSG000001: SLC37A2	2.37761	0.135085	False
ENSG000002: VSIG8	2.3733	0.137109	False

ENSG000001{ C2orf88	2.37288	0.083175	False
ENSG000001: BEST3	2.36481	0.246894	False
ENSG000001{ ABCA1	2.36261	1.22E-17	False
ENSG000001{ BIK	2.35901	0.022338	False
ENSG000001{ PLA2G4C	2.34351	0.0418943	False
ENSG000001: PLAU	2.32922	9.93E-10	False
ENSG000001: MDGA1	2.32461	0.0489519	False
ENSG000001{ UTS2B	2.32097	0.427809	False
ENSG000000! TMCC3	2.3168	0.149387	False
ENSG000001! NMNAT2	2.31138	0.416147	False
ENSG000001! TEPP	2.30731	0.150451	False
ENSG000001{ SELL	2.30482	0.411751	False
ENSG000001{ VXN	2.29865	0.418582	False
ENSG000001{ FAM183A	2.29414	0.307933	False
ENSG000001! SULF2	2.28806	6.15E-35	True
ENSG000001: MAN1C1	2.2848	0.0289744	False
ENSG000001: GMFG	2.28373	0.418603	False
ENSG000001! SRGAP3	2.28373	0.418582	False
ENSG000001{ MAPK10	2.28373	0.418582	False
ENSG000001: DYSF	2.2837	0.420022	False
ENSG000002! ARPC4-TTLL3	2.2837	0.420022	False
ENSG000000{ ERBB3	2.27659	0.445387	False
ENSG000001: SYT12	2.26237	0.00666959	False
ENSG000000! PTGER3	2.26075	1.69E-21	False
ENSG000001: IRF5	2.26011	0.278967	False
ENSG000002{ IQANK1	2.2582	1.55E-06	False
ENSG000001: PFKFB4	2.25774	1.62E-22	False
ENSG000001{ GKN1	2.25603	0.113106	False
ENSG000001! CPA5	2.25113	0.31134	False
ENSG000001! RAET1L	2.2511	0.460613	False
ENSG000001: LRP1	2.23538	3.58E-10	True
ENSG000000: FAS	2.23452	2.11E-29	True
ENSG000001! KCNJ15	2.22794	0.298044	False
ENSG000001! PPP1R14C	2.22776	4.75E-15	False
ENSG000001: CATSPER1	2.22129	0.288347	False
ENSG000001: PLK3	2.21801	1.95E-13	True
ENSG000000: ST6GALNAC2	2.20996	0.321552	False
ENSG000001{ SYT17	2.20628	0.00037089	False
ENSG000000{ STYK1	2.2022	0.185473	False
ENSG000001{ ACTBL2	2.20169	0.185733	False
ENSG000000: CNTN1	2.19917	0.184721	False
ENSG000002{ C4orf47	2.19608	0.046714	False
ENSG000001{ FFAR4	2.17987	0.204856	False
ENSG000001: CYP1A1	2.17865	0.0254724	False
ENSG000001: MYEOV	2.17809	0.0440712	False
ENSG000001: EDN2	2.1765	2.29E-16	True
ENSG000001! GAREM2	2.17549	0.008635	False
ENSG000001: CDK18	2.16468	0.135899	False
ENSG000001: FOXB1	2.15543	0.126909	False
ENSG000000{ TENM1	2.1434	2.01E-14	False
ENSG000001{ NDRG1	2.14292	6.31E-125	True
ENSG000001: ELL3	2.14091	1.44E-19	False



ENSG0000017	TMEM217	2.12513	2.62E-05	False
ENSG0000024	RTL9	2.12115	0.35925	False
ENSG0000006	MAST4	2.1182	2.26E-22	True
ENSG0000007	MOV10L1	2.11013	0.00045518	False
ENSG0000019	C1R	2.10821	7.33E-26	False
ENSG0000014	ASTN2	2.10718	4.27E-13	True
ENSG0000016	TSPAN5	2.10606	0.00084335	False
ENSG0000019	BTG2	2.10561	4.59E-78	True
ENSG0000017	STARD5	2.09923	0.00054389	False
ENSG0000013	REEP2	2.09821	6.79E-05	False
ENSG0000017	HIC1	2.09443	0.0017579	False
ENSG0000019	MR1	2.09333	3.99E-17	False
ENSG0000014	PADI1	2.09262	0.00101535	False
ENSG0000016	FRZB	2.07945	0.229909	False
ENSG0000018	GJB3	2.07681	0.346186	False
ENSG0000017	CRYBG2	2.07345	0.101614	False
ENSG0000024	RTL5	2.0708	3.90E-20	False
ENSG0000013	ACVRL1	2.06713	0.351965	False
ENSG0000019	HRCT1	2.06558	0.00910099	False
ENSG0000017	ADM2	2.06346	0.237808	False
ENSG0000013	FBXO44	2.03282	0.0302806	False
ENSG0000017	ACVR1C	2.02847	0.00123519	False
ENSG0000014	LRMDA	2.02583	1.86E-13	False
ENSG0000017	POLH	2.02551	7.44E-71	True
ENSG0000007	PAG1	2.02444	6.27E-09	False
ENSG0000019	ARC	2.02254	0.0231426	False
ENSG0000013	DCLK1	2.01905	1.67E-06	False
ENSG0000006	HECW1	2.01882	0.40172	False
ENSG0000016	CORO1A	2.01742	0.0768711	False
ENSG0000013	TLR4	2.01201	8.44E-08	False
ENSG0000018	NOXA1	2.00995	0.53813	False
ENSG0000014	AMT	2.0095	0.144128	False
ENSG0000006	FGFR3	2.00662	5.64E-15	False
ENSG0000014	SLC2A12	2.00184	0.118117	False
ENSG0000016	KCNN1	2.00173	0.538359	False
ENSG0000027	NEFL	2.00158	0.536123	True
ENSG0000018	ZNF600	1.99797	7.60E-07	False
ENSG0000026	CARD16	1.99683	0.00026639	False
ENSG0000013	SERPINF1	1.99617	0.139724	False
ENSG0000016	TRIM2	1.99574	5.18E-88	False
ENSG0000016	NDST3	1.99431	0.13148	False
ENSG0000026	IGFL2	1.99395	0.544474	False
ENSG0000017	PTK2B	1.99395	0.544474	False
ENSG0000016	APOL1	1.99219	0.123122	False
ENSG0000018	SPNS2	1.99101	0.54356	False
ENSG0000026	KLRC2	1.99101	0.54356	False
ENSG0000017	RASGRF2	1.99082	0.187437	False
ENSG0000024	TCP10L	1.99017	0.180303	False
ENSG0000016	PIGR	1.98559	0.716897	False
ENSG0000013	MMP7	1.98559	0.716897	False
ENSG0000007	STMN4	1.98559	0.716897	False
ENSG0000016	PI16	1.98559	0.716897	False

ENSG000001011611	TMC5	1.98219	0.528968	False
ENSG000001011612	KRTCAP3	1.98213	0.52749	False
ENSG000001011613	CALHM3	1.98213	0.52749	False
ENSG000000011614	TBC1D2	1.97731	6.18E-15	False
ENSG000001011615	VPS37D	1.97709	0.188693	False
ENSG000001011616	MGP	1.97443	0.529887	False
ENSG000000011617	SEMA6A	1.97197	0.285951	False
ENSG000001011618	ENTREP1	1.96842	0.191188	False
ENSG000001011619	SUN3	1.96652	0.55144	False
ENSG000001011620	ZNF518B	1.96592	0.698217	False
ENSG000001011621	ALDH1A1	1.96592	0.698217	False
ENSG000002011622	MUSTN1	1.96592	0.698217	False
ENSG000001011623	FAM178B	1.96592	0.698217	False
ENSG000001011624	CARD6	1.96592	0.698217	False
ENSG000001011625	CXCL8	1.96433	0.00449223	False
ENSG000000011626	NTN4	1.96411	0.0187902	False
ENSG000002011627	TMEM217B	1.9633	0.0189693	False
ENSG000001011628	RNF150	1.9621	1.20E-13	False
ENSG000001011629	CASKIN1	1.95947	0.0922916	False
ENSG000001011630	IDUA	1.95767	0.0254134	False
ENSG000001011631	ALDH3A1	1.95631	0.279225	False
ENSG000001011632	DPP6	1.95612	0.534632	False
ENSG000001011633	KCNN4	1.95505	0.00658321	True
ENSG000001011634	ORAI3	1.95193	4.97E-07	True
ENSG000000011635	ATP2B3	1.94941	0.724189	False
ENSG000002011636	OOEP	1.94941	0.724189	False
ENSG000001011637	LRRC4C	1.94941	0.724189	False
ENSG000001011638	GPX7	1.94941	0.724189	False
ENSG000000011639	ITM2A	1.94941	0.724189	False
ENSG000001011640	ARMH1	1.94941	0.724189	False
ENSG000001011641	ITGAM	1.94941	0.724189	False
ENSG000001011642	ASCL1	1.94941	0.724189	False
ENSG000001011643	RAG1	1.94941	0.724189	False
ENSG000001011644	FOXA3	1.94941	0.724189	False
ENSG000001011645	OTUD7A	1.94941	0.724189	False
ENSG000001011646	CDK15	1.94941	0.724189	False
ENSG000001011647	WNT5B	1.94941	0.724189	False
ENSG000001011648	MYOM3	1.94941	0.724189	False
ENSG000000011649	CDH10	1.94941	0.724189	False
ENSG000000011650	CCDC85A	1.94722	0.555781	False
ENSG000001011651	TNFSF10	1.94722	0.555781	False
ENSG000001011652	SESN2	1.94673	1.61E-57	True
ENSG000001011653	ISM1	1.93977	5.20E-05	False
ENSG000000011654	POU2F2	1.93299	0.0109846	True
ENSG000001011655	TSPAN1	1.93211	0.02991	False
ENSG000001011656	MSI1	1.9251	0.710854	False
ENSG000001011657	ZNF347	1.9251	0.710854	False
ENSG000000011658	MACROH2A2	1.9251	0.710854	False
ENSG000002011659	ZNF726	1.9251	0.710854	False
ENSG000000011660	CX3CL1	1.9251	0.710854	False
ENSG000001011661	C7orf57	1.9251	0.710854	False
ENSG000002011662	PLPP4	1.9251	0.710854	False

ENSG0000019 ZFP2	1.9251	0.710854	False
ENSG0000010 CYTH4	1.9251	0.710854	False
ENSG0000019 ZNF470	1.9251	0.710854	False
ENSG0000010 CCDC8	1.9251	0.710854	False
ENSG0000010 NOS3	1.9251	0.710854	False
ENSG0000010 NUAK2	1.91654	4.11E-10	False
ENSG0000020 GGTL3	1.91234	0.15758	False
ENSG0000019 KIF5A	1.90725	0.714729	False
ENSG0000010 CTAG2	1.90725	0.714729	False
ENSG0000010 ZNF80	1.90725	0.714729	False
ENSG0000010 MAS1	1.90725	0.714729	False
ENSG0000010 MRGP2	1.90725	0.714729	False
ENSG0000010 BMP7	1.90725	0.714729	False
ENSG0000010 APOL3	1.90725	0.714729	False
ENSG0000010 DNAJB13	1.90725	0.714729	False
ENSG0000019 POTEH	1.90725	0.714729	False
ENSG0000020 KANTR	1.90725	0.714729	False
ENSG0000010 TGM4	1.90725	0.714729	False
ENSG0000019 ZNF569	1.90725	0.714729	False
ENSG0000010 TMEM132B	1.90725	0.714729	False
ENSG0000010 HPCAL4	1.90725	0.714729	False
ENSG0000010 ANO3	1.90725	0.714729	False
ENSG0000010 POTE1	1.90725	0.714729	False
ENSG0000010 ANGPTL4	1.90351	0.083821	False
ENSG0000000 RETSAT	1.89874	2.02E-208	True
ENSG0000010 MAFA	1.89637	1.35E-09	False
ENSG0000010 SOX2	1.89573	0.419914	False
ENSG0000000 EPN3	1.89464	0.444739	False
ENSG0000010 PHLDA1	1.89037	2.73E-07	False
ENSG0000010 MMP13	1.88921	0.42571	False
ENSG0000010 MAGI2	1.88748	0.215233	False
ENSG0000010 ECHDC2	1.88598	0.228494	False
ENSG0000010 SEMA6C	1.88449	0.111242	False
ENSG0000010 MFGE8	1.88218	4.84E-16	True
ENSG0000010 ANKRD6	1.87597	0.477454	False
ENSG0000000 CYFIP2	1.8746	2.93E-40	True
ENSG0000010 CES2	1.87191	1.92E-79	False
ENSG0000010 ZFPM1	1.86235	0.00164424	False
ENSG0000010 ZNF570	1.8613	0.744781	False
ENSG0000010 AQP7	1.8613	0.744781	False
ENSG0000000 ACTN2	1.8613	0.744781	False
ENSG0000010 MAEL	1.8613	0.744781	False
ENSG0000010 LRRC2	1.8603	0.42882	False
ENSG0000000 TGM1	1.85874	0.0319713	False
ENSG0000020 CRPPA	1.85761	0.00044794	False
ENSG0000010 TBC1D8B	1.85538	0.019885	False
ENSG0000010 NT5E	1.85331	1.73E-08	False
ENSG0000010 FST	1.85217	8.30E-16	False
ENSG0000010 CARNS1	1.84982	0.350242	False
ENSG0000010 CCL20	1.84843	0.0197433	False
ENSG0000010 MYO6	1.84393	3.76E-121	False
ENSG0000010 MLC1	1.84333	0.0163029	False

ENSG000002: TINCR	1.84264	0.00012852	False
ENSG000001: CLGN	1.83827	1.55E-22	False
ENSG000001: RGS20	1.83672	3.86E-08	False
ENSG000001: AGTR1	1.83549	0.0098763	False
ENSG000001: INKA1	1.83322	0.174844	False
ENSG000000: ERO1B	1.83245	3.26E-08	False
ENSG000001: KCNG3	1.83072	0.0643641	False
ENSG000001: EREG	1.83006	0.328546	False
ENSG000000: TRAF1	1.82837	0.170213	False
ENSG000001: RASSF4	1.82544	0.342711	False
ENSG000001: PTK7	1.82172	0.00395669	False
ENSG000001: SAXO2	1.81722	0.333006	False
ENSG000001: SEPTIN5	1.80513	9.45E-06	False
ENSG000001: SORL1	1.80067	0.0570535	False
ENSG000001: PLK2	1.79507	1.30E-30	True
ENSG000001: C2orf66	1.79506	0.147419	False
ENSG000001: SUGCT	1.79232	0.00062168	False
ENSG000001: ALDH8A1	1.78856	0.268733	False
ENSG000000: IFFO1	1.78591	0.35619	False
ENSG000001: CD70	1.78478	0.261584	False
ENSG000000: SUSD2	1.77957	0.202545	False
ENSG000001: HAS3	1.778	0.177511	False
ENSG000001: RFTN1	1.77074	0.00862862	False
ENSG000001: GCNT4	1.76363	0.280506	False
ENSG000001: SLC10A4	1.76316	0.0676709	False
ENSG000000: CD82	1.7607	4.20E-36	True
ENSG000001: TCEAL3	1.75893	6.43E-30	False
ENSG000002: LBH	1.75789	6.39E-09	False
ENSG000000: PITPNM3	1.75699	0.00310867	False
ENSG000001: ULBP2	1.75345	3.96E-06	False
ENSG000001: ATP6V0A4	1.74935	0.00942748	False
ENSG000001: CXCL1	1.74857	0.226997	False
ENSG000001: GADD45A	1.74002	9.50E-20	True
ENSG000002: EPPK1	1.73995	4.47E-102	False
ENSG000001: CHST2	1.73973	1.73E-12	False
ENSG000000: KCNK6	1.73348	0.431016	False
ENSG000001: PHLDA3	1.73148	3.19E-60	True
ENSG000002: CYS1	1.73126	0.313132	False
ENSG000001: FGFBP3	1.72868	8.19E-12	False
ENSG000000: HHAT	1.72413	4.71E-28	True
ENSG000000: HSD17B14	1.72405	0.129911	False
ENSG000000: CAPN3	1.72257	0.100555	False
ENSG000001: LCA5	1.72169	0.00045649	False
ENSG000001: GAMT	1.72111	2.65E-34	False
ENSG000001: ZNF365	1.71639	0.0666561	True
ENSG000001: PLSCR4	1.71317	0.0034813	False
ENSG000001: TCAP	1.70166	0.527372	False
ENSG000002: ATP6V1G2	1.69953	0.00358084	False
ENSG000001: GRB7	1.6982	0.255767	False
ENSG000001: CSF1	1.69087	0.00013928	True
ENSG000001: TSPAN8	1.68503	0.00463872	False
ENSG000001: GOLGA6C	1.68425	0.400258	False

ENSG0000027	PRAG1	1.68338	1.68E-11	False
ENSG0000010	RASD2	1.6748	0.204064	False
ENSG0000018	CLDN4	1.67371	0.30536	False
ENSG0000010	FCGRT	1.67361	0.00459564	False
ENSG0000016	SVEP1	1.67264	1.13E-11	False
ENSG0000010	SRPX2	1.67263	0.513535	False
ENSG0000018	PERM1	1.67142	0.31837	False
ENSG0000010	KISS1R	1.66808	6.83E-07	False
ENSG0000018	BEX2	1.66254	0.062368	False
ENSG0000018	STING1	1.66237	1.09E-08	False
ENSG0000000	CFH	1.65932	0.222514	False
ENSG0000018	MORN3	1.65629	0.308848	False
ENSG0000024	HOGA1	1.65311	0.316699	False
ENSG0000027	FCGBP	1.65309	0.255225	False
ENSG0000016	SGSM1	1.65074	0.522462	False
ENSG0000010	MICALL1	1.64882	1.93E-32	True
ENSG0000017	CSPG4	1.6487	0.105497	False
ENSG0000014	MPZL2	1.64744	0.000705	False
ENSG0000014	EPHA2	1.64379	5.61E-24	True
ENSG0000014	GSN	1.63997	2.83E-39	False
ENSG0000017	OLR1	1.63965	1.25E-43	False
ENSG0000017	EGFL7	1.63634	0.426235	False
ENSG0000019	POTEF	1.63207	0.140607	False
ENSG0000020	PPP1R3G	1.63108	0.0307891	False
ENSG0000017	HOXB9	1.61864	3.15E-05	False
ENSG0000026	MSMB	1.61757	0.822327	False
ENSG0000014	ACKR2	1.61757	0.822327	False
ENSG0000006	PTPRU	1.61073	3.27E-14	False
ENSG0000016	IL7R	1.60725	8.78E-28	False
ENSG0000017	PHLDB3	1.60405	0.00997201	False
ENSG0000014	CAPN5	1.60225	0.0911482	False
ENSG0000016	ANKRA2	1.60215	1.18E-10	True
ENSG0000009	NRCAM	1.59971	5.08E-12	False
ENSG0000017	ZMAT3	1.59888	3.34E-72	True
ENSG0000010	BVES	1.59542	2.39E-07	False
ENSG0000016	TLR3	1.5935	1.87E-05	True
ENSG0000010	ISYNA1	1.59339	0.225178	True
ENSG0000018	NIBAN1	1.59278	9.54E-29	False
ENSG0000014	MYO1F	1.59087	0.677072	False
ENSG0000016	TAP1	1.58912	5.17E-41	True
ENSG0000019	CCDC148	1.58905	0.300896	False
ENSG0000019	PLCL2	1.58692	6.12E-11	False
ENSG0000019	PLEKHH2	1.58465	0.0872121	False
ENSG0000008	SMOX	1.58227	0.0663252	False
ENSG0000018	DUSP5	1.58189	0.0001334	False
ENSG0000019	CGB7	1.57517	0.826633	False
ENSG0000018	THSD1	1.57458	7.41E-05	False
ENSG0000007	TP73	1.57157	0.0415588	False
ENSG0000014	WNT9A	1.56991	6.09E-11	False
ENSG0000018	GARIN1B	1.56981	0.285312	False
ENSG0000018	RTN1	1.56927	0.00236071	False
ENSG0000019	LRP10	1.56746	2.74E-51	False

ENSG0000007	RARB	1.56641	0.685484	False
ENSG0000017	RAC2	1.56641	0.685484	False
ENSG0000023	SHISA9	1.56641	0.685484	False
ENSG0000014	DDIT4L	1.56589	0.287065	False
ENSG0000017	NEDD9	1.56391	6.56E-18	False
ENSG0000016	KLHDC9	1.55652	0.0589712	False
ENSG0000016	SPATA6L	1.55584	0.674817	False
ENSG0000017	KCNIP2	1.55584	0.674817	False
ENSG0000016	BEAN1	1.55584	0.674817	False
ENSG0000013	TAPBPL	1.55582	0.672965	False
ENSG0000013	LRRC9	1.55582	0.672965	False
ENSG0000014	GFRA3	1.55582	0.672965	False
ENSG0000017	SLC4A3	1.55582	0.672965	False
ENSG0000024	STIMATE-MUS	1.55582	0.672965	False
ENSG0000016	GGT1	1.55503	8.44E-08	False
ENSG0000008	ATP8B1	1.55488	0.10599	False
ENSG0000017	SFN	1.55133	4.41E-126	True
ENSG0000017	EGR2	1.55088	0.105952	False
ENSG0000016	AMOTL1	1.54952	9.86E-28	False
ENSG0000016	SLC45A1	1.54538	0.692309	False
ENSG0000019	FBXO32	1.54079	0.0289668	False
ENSG0000014	OTULINL	1.53991	7.86E-11	False
ENSG0000013	ADAMTS8	1.53689	0.0207837	False
ENSG0000013	SLC27A1	1.53606	0.375152	False
ENSG0000016	ADRB2	1.53483	5.01E-16	False
ENSG0000000	SYT13	1.53096	0.696616	False
ENSG0000019	GNA14	1.53096	0.696616	False
ENSG0000027	CKMT1A	1.53096	0.696616	False
ENSG0000027	C19orf38	1.53082	0.698814	False
ENSG0000017	SOX7	1.5284	3.43E-19	False
ENSG0000000	NOTCH3	1.52787	0.00065153	False
ENSG0000018	VCX	1.52418	0.379222	False
ENSG0000018	SOCS1	1.52411	0.212487	True
ENSG0000027	ASIC3	1.52303	0.483184	False
ENSG0000017	NUDT6	1.52122	2.83E-06	False
ENSG0000018	NRN1L	1.52026	0.700071	False
ENSG0000017	DAW1	1.52025	0.700071	False
ENSG0000017	KCNC1	1.52025	0.700071	False
ENSG0000018	PLCD1	1.52003	0.702638	False
ENSG0000017	PRKAB1	1.5063	2.18E-19	True
ENSG0000016	REPS2	1.50538	0.0232906	False
ENSG0000019	GDPD5	1.50465	4.99E-06	False
ENSG0000026	RPA4	1.50184	0.504779	False
ENSG0000016	PLPP7	1.50151	0.153506	False
ENSG0000016	IP6K3	1.49925	0.279225	False
ENSG0000017	CSDC2	1.4973	0.270689	False
ENSG0000023	B3GALT4	1.49703	0.0594451	False
ENSG0000016	ABCC3	1.49323	0.00256972	False
ENSG0000017	PPM1D	1.49159	5.91E-42	True
ENSG0000017	MAGEB6	1.49109	0.724706	False
ENSG0000018	MAP7D2	1.49069	0.726204	False
ENSG0000016	UCN	1.48862	0.287847	False

ENSG0000018 SMTN	1.48788	3.74E-06	False
ENSG0000018 DRAM1	1.48729	9.38E-54	True
ENSG0000020 HLA-DMA	1.48478	0.288099	False
ENSG0000018 TMEM63B	1.48407	0.00117468	True
ENSG0000020 TMEM191C	1.47373	0.342752	False
ENSG0000020 POTE1	1.47236	0.48698	False
ENSG0000014 IGFBP3	1.47196	2.46E-28	False
ENSG0000017 ZNF540	1.47154	0.274751	False
ENSG0000018 SP6	1.4675	0.508649	False
ENSG0000010 TAF7L	1.46507	7.87E-31	False
ENSG0000024 HLA-DMB	1.46271	0.342303	False
ENSG0000007 CAMSAP3	1.46183	0.507586	False
ENSG0000019 ATL1	1.45839	0.204688	False
ENSG0000017 MAMDC4	1.45806	0.271672	False
ENSG0000017 SPHK1	1.45562	7.32E-09	True
ENSG0000014 GGTL1	1.45475	0.344209	False
ENSG0000008 MAPRE3	1.45473	0.143393	False
ENSG0000018 C1S	1.45414	2.61E-09	False
ENSG0000016 ERAP2	1.44614	0.00805444	False
ENSG0000016 CMBL	1.44574	5.35E-39	True
ENSG0000023 TMEM253	1.44561	0.181899	False
ENSG0000017 TRPM6	1.4449	0.248404	False
ENSG0000018 SEMA7A	1.44333	0.358025	False
ENSG0000017 MT1G	1.44264	6.86E-05	False
ENSG0000008 WNT11	1.4408	0.13614	False
ENSG0000027 RIMBP3B	1.43105	2.83E-06	False
ENSG0000020 C2orf72	1.43087	0.369493	False
ENSG0000018 RIMBP3C	1.43038	4.35E-06	False
ENSG0000008 ITPKC	1.42834	2.43E-05	True
ENSG0000019 CBR3	1.42087	2.98E-06	False
ENSG0000018 GPR39	1.42015	0.646398	False
ENSG0000009 ITGA6	1.42013	2.64E-20	False
ENSG0000016 KLHL30	1.4199	0.098546	False
ENSG0000008 CDIP1	1.41887	1.49E-26	True
ENSG0000018 EMILIN2	1.41847	0.0240862	False
ENSG0000018 ZFP90	1.41779	0.00031967	False
ENSG0000019 ZNF568	1.41689	0.613084	False
ENSG0000019 ANXA4	1.41307	8.42E-40	True
ENSG0000027 RIMBP3	1.41193	3.82E-06	False
ENSG0000027 ZBTB8B	1.40909	0.632204	False
ENSG0000026 MAGIX	1.4076	0.2635	False
ENSG0000017 SLC12A4	1.40753	0.00033804	True
ENSG0000017 ZNF154	1.40743	0.119798	False
ENSG0000016 CPA3	1.40692	0.0594629	False
ENSG0000018 MMP23B	1.40461	0.451768	False
ENSG0000007 MOXD1	1.40391	0.438803	False
ENSG0000017 DOCK4	1.40381	1.85E-06	False
ENSG0000017 PPL	1.40311	0.00011886	False
ENSG0000017 CCN2	1.39907	5.25E-49	False
ENSG0000017 RNF112	1.39775	0.453477	False
ENSG0000027 S1PR3	1.39292	2.19E-09	False
ENSG0000018 MAP3K12	1.38986	4.62E-07	True

ENSG0000018CACNB4	1.38859	0.247177	False
ENSG0000017CCDC136	1.38441	0.00321255	False
ENSG0000006SDK2	1.38245	0.630263	False
ENSG0000007PKD2L2	1.38245	0.630263	False
ENSG0000003DNAH5	1.38202	0.0216181	False
ENSG0000017SAA1	1.37886	0.119885	False
ENSG0000004SPATA7	1.37882	0.00175172	False
ENSG0000019NRG1	1.3732	1.47E-05	False
ENSG0000017KLF17	1.37313	0.0340565	False
ENSG0000017TMC7	1.36909	0.00046596	False
ENSG0000018RELL1	1.36816	4.41E-06	False
ENSG0000019MVB12B	1.36743	2.19E-06	False
ENSG0000013THBS1	1.36732	4.73E-16	False
ENSG0000018EPGN	1.36503	0.0597789	False
ENSG0000018POU3F2	1.36456	4.60E-12	False
ENSG0000026GOLGA8S	1.36381	0.645715	False
ENSG0000010GGTLC2	1.36376	0.00113531	False
ENSG0000027APOL6	1.36317	0.00583135	False
ENSG0000016PCDH7	1.36315	0.00061322	False
ENSG0000013ITGA11	1.35811	0.0249003	False
ENSG0000013AMDHD1	1.35695	0.173366	False
ENSG0000019ZNF517	1.35557	0.477178	False
ENSG0000017PLEKHG5	1.35406	0.0566008	False
ENSG0000027TMEM191B	1.34983	0.402308	False
ENSG0000010RARRES2	1.34781	0.40943	False
ENSG0000017ARMC2	1.34729	0.416478	False
ENSG0000026GOLGA8H	1.34553	0.0021541	False
ENSG0000008SLC4A11	1.34454	8.74E-05	True
ENSG0000008SERTAD4	1.34243	9.25E-28	False
ENSG0000017EFCAB5	1.33655	0.415583	False
ENSG0000024ETV5	1.33585	2.40E-05	False
ENSG0000009MCOLN3	1.33155	0.00801865	False
ENSG0000014CARD14	1.32792	0.0383019	False
ENSG0000010ANXA10	1.32778	0.429554	False
ENSG0000017RNF19B	1.32766	6.10E-05	True
ENSG0000019TENT5B	1.32568	0.00361108	False
ENSG0000013MDM2	1.32472	6.11E-139	True
ENSG0000013GCH1	1.32146	6.97E-10	True
ENSG0000010SYTL4	1.32008	0.00030457	False
ENSG0000017MT2A	1.31885	1.03E-99	False
ENSG0000014GINS4	1.3166	1.21E-23	False
ENSG0000010PIK3IP1	1.31272	0.0333622	False
ENSG0000016CCDC74A	1.30615	0.00766694	False
ENSG0000017RHBDF2	1.30537	1.58E-12	True
ENSG0000017FOSL1	1.30516	0.00096314	False
ENSG0000019INPP1	1.30504	1.88E-32	False
ENSG0000016ART5	1.30418	0.565839	False
ENSG0000016HIC2	1.29876	3.38E-23	False
ENSG0000018PMEL	1.29563	0.295016	False
ENSG0000014MAPK4	1.29557	0.0609757	False
ENSG0000023SHISA8	1.29483	0.0947617	False
ENSG0000018GOLGA8M	1.29455	0.255751	False



ENSG00000006	SLC6A16	1.29411	0.276401	False
ENSG00000017	EFEMP2	1.28849	0.271874	False
ENSG00000016	E2F7	1.28752	4.24E-12	True
ENSG00000000	LDAF1	1.28676	0.0328342	False
ENSG00000016	EOMES	1.2857	0.149667	False
ENSG00000026	SCX	1.2854	6.89E-09	False
ENSG00000016	ZFYVE1	1.28487	2.79E-07	False
ENSG00000016	MATN1	1.28169	0.57372	False
ENSG00000017	KNDC1	1.28124	0.00856397	False
ENSG00000028	NPBWR1	1.27967	0.584781	False
ENSG00000013	PRRG4	1.27607	7.93E-06	False
ENSG00000016	PLAT	1.2753	0.00084024	False
ENSG00000018	CCBE1	1.2749	0.247182	False
ENSG00000019	CCDC3	1.26924	1.03E-05	False
ENSG00000016	PHYHIP	1.268	0.368491	False
ENSG00000016	CCL2	1.26783	0.0024183	False
ENSG00000018	POTEE	1.2674	0.170113	False
ENSG00000016	SUSD6	1.26702	2.02E-12	True
ENSG00000017	BDNF	1.2668	2.06E-07	False
ENSG00000019	MB	1.26538	0.246483	False
ENSG00000016	OLFM2	1.26422	0.215558	False
ENSG00000000	ABCC2	1.26284	0.209475	False
ENSG00000027	H2BC8	1.26196	0.0462701	False
ENSG00000013	DUSP6	1.25956	0.00086344	False
ENSG00000019	SERTAD1	1.25804	7.80E-13	True
ENSG00000026	GOLGA8T	1.25529	0.00333986	False
ENSG00000017	P2RY2	1.25285	0.186217	False
ENSG00000013	RCBTB2	1.25218	0.147968	False
ENSG00000003	BAK1	1.25208	5.31E-07	True
ENSG00000016	BBC3	1.25132	1.04E-61	True
ENSG00000016	SCNN1D	1.24925	0.13624	False
ENSG00000006	SLC9A7	1.24815	0.330072	False
ENSG00000014	PLEKHA6	1.2437	0.519435	False
ENSG00000013	FRMD4B	1.24338	0.530005	False
ENSG00000013	SDC1	1.24145	1.09E-17	True
ENSG00000013	COL7A1	1.24112	2.50E-77	True
ENSG00000013	KDM4B	1.24096	2.31E-21	False
ENSG00000029	CLDN23	1.24033	0.327332	False
ENSG00000017	FGGY	1.23968	0.0424453	False
ENSG00000013	GRTP1	1.23495	0.00041789	False
ENSG00000020	NEURL1B	1.23493	3.40E-43	False
ENSG00000017	GOLGA8Q	1.23265	0.051013	False
ENSG00000018	OSBP2	1.23251	0.112956	False
ENSG00000024	ZNF564	1.23168	0.0455151	True
ENSG00000008	SNX10	1.22936	0.0106517	False
ENSG00000016	COX6B2	1.22924	0.0170708	False
ENSG00000018	KDM4D	1.22833	0.31133	False
ENSG00000016	ARSA	1.22417	0.00106141	False
ENSG00000028	PLD5P1	1.21901	0.170213	False
ENSG00000014	SCD5	1.21753	3.19E-27	False
ENSG00000009	ICAM1	1.2172	0.0293447	False
ENSG00000013	TCF19	1.2167	7.64E-27	False

ENSG00000002	BIRC3	1.21588	1.60E-08	False
ENSG00000019	GXYLT1	1.21533	5.72E-61	False
ENSG00000019	PID1	1.21443	2.67E-05	False
ENSG00000013	EGF	1.21324	0.504542	False
ENSG00000019	POTE1	1.21313	0.250246	False
ENSG00000017	APAF1	1.21069	2.24E-15	True
ENSG00000019	ABCA5	1.20993	1.04E-07	False
ENSG00000017	MAK	1.20717	0.485263	False
ENSG00000017	TRIML2	1.20565	8.81E-12	False
ENSG00000016	PRSS12	1.20488	0.00010181	False
ENSG00000018	FAM83H	1.20336	2.13E-44	False
ENSG00000013	DNAJB5	1.20286	0.00214859	True
ENSG00000017	PALLD	1.2025	2.53E-55	False
ENSG00000010	DMPK	1.2021	0.277057	False
ENSG00000018	CCK	1.20123	0.010938	False
ENSG00000013	PLCE1	1.19824	0.00443885	False
ENSG00000017	ADCY6	1.19757	2.68E-08	False
ENSG00000017	RIBC2	1.19605	0.0702348	False
ENSG00000013	FGF2	1.19475	1.65E-34	False
ENSG00000016	FCMR	1.19434	0.210002	False
ENSG00000009	CHRD12	1.19117	0.20227	False
ENSG00000013	PGPEP1	1.18954	3.08E-09	False
ENSG00000014	TNFRSF11A	1.18952	0.00839874	False
ENSG00000009	P3H2	1.18763	6.50E-26	False
ENSG00000016	LIPH	1.18625	0.26751	False
ENSG00000017	RHOD	1.18385	0.0700393	False
ENSG00000016	HDAC11	1.18298	0.401152	False
ENSG00000010	ZNF821	1.18095	0.114753	False
ENSG00000026	ARL14EPL	1.18048	0.296896	False
ENSG00000017	ALS2CL	1.18037	0.38496	False
ENSG00000020	PSMB8	1.18016	9.94E-05	False
ENSG00000010	PIM2	1.17802	2.80E-28	False
ENSG00000017	CPA4	1.17672	2.60E-29	False
ENSG00000017	PELI3	1.1701	1.16E-05	False
ENSG00000016	PROCA1	1.17001	0.202386	False
ENSG00000016	SDC3	1.16737	0.00295714	False
ENSG00000010	MYOM1	1.16519	0.208822	False
ENSG00000014	SFXN5	1.16332	6.81E-06	True
ENSG00000017	OR2T8	1.16161	0.0340565	False
ENSG00000018	LYSMD4	1.16106	0.152022	False
ENSG00000017	HOXB8	1.15731	0.334391	False
ENSG00000010	GLRB	1.15609	0.0254035	False
ENSG00000017	LYPD3	1.15447	0.141045	False
ENSG00000013	PRDM5	1.15422	0.0126859	False
ENSG00000017	H2BC11	1.15336	1.73E-05	False
ENSG00000008	BAX	1.15045	1.63E-21	True
ENSG00000016	PPM1M	1.14887	0.00058517	False
ENSG00000016	ABHD15	1.14862	1.76E-14	False
ENSG00000017	C4BPB	1.14858	4.47E-07	False
ENSG00000017	CCDC96	1.14772	0.340023	False
ENSG00000008	SLC4A4	1.14499	0.113673	False
ENSG00000016	PAQR6	1.14287	0.00584868	False

ENSG000001: LOXL1	1.14238	3.90E-18	False
ENSG000001: AMPD3	1.1403	0.281363	False
ENSG000000: TESK2	1.13813	0.157423	False
ENSG000001: GOLGA8J	1.1379	0.061828	False
ENSG000002: ATAD3C	1.13747	0.302584	False
ENSG000001: SLC25A45	1.13683	3.29E-07	True
ENSG000001: PTCH2	1.13406	0.0680115	False
ENSG000000: PKP2	1.13316	0.00050985	False
ENSG000002: LCAT	1.13291	0.273954	False
ENSG000000: SEL1L3	1.13259	1.33E-27	False
ENSG000001: PODNL1	1.13122	0.020331	False
ENSG000001: ANKAR	1.12984	0.27228	False
ENSG000002: ZDHHC11B	1.12964	0.309734	False
ENSG000001: SEC14L2	1.12904	0.0648945	False
ENSG000001: CCDC57	1.12859	0.263214	False
ENSG000001: TEX19	1.12706	0.0712892	False
ENSG000000: SEMA3G	1.12526	0.269931	False
ENSG000001: SLC12A7	1.1225	2.12E-09	False
ENSG000001: SHROOM3	1.12038	9.51E-09	False
ENSG000001: ANKRD1	1.11914	0.234407	False
ENSG000001: TNFAIP8L3	1.11544	0.685484	False
ENSG000001: LTBP2	1.11459	0.188972	False
ENSG000001: MYBL1	1.11028	5.93E-08	False
ENSG000002: CASTOR1	1.10839	0.504349	False
ENSG000001: HERC5	1.10665	5.22E-16	False
ENSG000001: RGS3	1.10643	0.0855511	False
ENSG000001: NOS1AP	1.10539	0.237826	False
ENSG000000: OPHN1	1.10423	0.0268219	False
ENSG000002: SHANK3	1.10419	0.34226	False
ENSG000001: IL17D	1.10371	0.73812	False
ENSG000001: CCDC92	1.10356	3.61E-09	False
ENSG000001: TGFB1	1.10323	7.58E-46	False
ENSG000002: GOLGA8N	1.10249	0.00746655	False
ENSG000001: MICAL2	1.10168	0.0292466	False
ENSG000001: RIPK4	1.10145	0.136584	False
ENSG000001: REM2	1.10135	0.551001	False
ENSG000001: RPS27L	1.10099	3.71E-104	True
ENSG000000: TNFRSF9	1.10088	0.501141	False
ENSG000001: SYNC	1.09949	2.68E-12	True
ENSG000001: BCLAF3	1.09765	6.22E-07	False
ENSG000001: MIB2	1.09725	0.00040151	False
ENSG000001: INO80C	1.09623	5.24E-07	False
ENSG000001: CCDC90B	1.09615	4.79E-30	True
ENSG000000: IL4R	1.09442	6.00E-11	False
ENSG000001: ADGRB1	1.09189	0.385575	False
ENSG000001: CIB2	1.0905	0.276879	False
ENSG000001: LIMK2	1.09015	2.13E-11	False
ENSG000001: TRANK1	1.08991	0.477774	False
ENSG000001: MAP3K6	1.08775	0.00017007	False
ENSG000001: SLC35D1	1.08739	7.50E-18	True
ENSG000001: RTP3	1.08697	0.695591	False
ENSG000002: SCARF2	1.08687	0.732345	False

ENSG0000019 NLGN3	1.08687	0.732345	False
ENSG0000024 ZNF487	1.086	0.687977	False
ENSG0000019 LEF1	1.08338	0.0645284	False
ENSG0000017 CDK5R2	1.08263	0.603758	False
ENSG0000010 MINDY4	1.08249	0.609538	False
ENSG0000014 GPR161	1.08246	2.79E-06	False
ENSG0000017 GOLGA6L2	1.08107	0.631596	False
ENSG0000009 SMIM24	1.08058	0.588845	False
ENSG0000017 SNCG	1.07903	0.308848	False
ENSG0000020 DENND6B	1.07874	0.235723	False
ENSG0000014 NKD2	1.07839	0.00290713	False
ENSG0000017 TNFRSF8	1.07839	0.743391	False
ENSG0000010 MOSPD1	1.07833	9.02E-16	False
ENSG0000010 STS	1.07766	0.0203836	False
ENSG0000019 COL27A1	1.07734	2.48E-24	False
ENSG0000010 DEPDC4	1.07686	0.183399	False
ENSG0000010 PLEKHF1	1.07662	0.222568	False
ENSG0000020 SAMD5	1.07582	1.62E-22	False
ENSG0000019 PPM1J	1.07534	0.646918	False
ENSG0000027 C2orf15	1.07511	0.620523	False
ENSG0000014 TRIM4	1.07507	4.52E-07	False
ENSG0000019 PRICKLE1	1.07467	0.00282795	False
ENSG0000027 H2BC6	1.07286	0.674127	False
ENSG0000017 TMEM175	1.07255	0.00832817	False
ENSG0000027 TAS2R14	1.07255	0.21373	False
ENSG0000019 ZNF79	1.07216	0.327596	True
ENSG0000018 FAM221A	1.07151	0.551934	False
ENSG0000019 KIAA0513	1.07073	0.0128259	False
ENSG0000019 EHHADH	1.07054	0.00789325	False
ENSG0000014 SLC26A7	1.07006	0.737811	False
ENSG0000008 AFP	1.07006	0.737811	False
ENSG0000027 LYRM9	1.06944	0.337436	False
ENSG0000018 ROR1	1.06919	0.00054139	False
ENSG0000019 SRRM4	1.06915	0.605745	False
ENSG0000019 TNFAIP3	1.06911	1.04E-10	False
ENSG0000020 TCF24	1.06867	0.438822	False
ENSG0000014 KLHL3	1.0678	0.349849	False
ENSG0000010 PPP1R13L	1.06763	1.69E-08	False
ENSG0000007 NFKB2	1.06754	3.62E-05	False
ENSG0000017 CTNNBIP1	1.06646	2.23E-11	False
ENSG0000019 HBEGF	1.0653	0.00193371	True
ENSG0000019 NCF2	1.06418	0.0122591	False
ENSG0000010 SYP	1.06414	0.435422	False
ENSG0000019 S100A2	1.06379	6.03E-13	True
ENSG0000018 FAM47E	1.06255	0.747693	False
ENSG0000018 SH3BGR	1.06252	0.620702	False
ENSG0000028 GET1-SH3BGR	1.06252	0.620702	False
ENSG0000017 SLC25A35	1.06244	0.139375	False
ENSG0000019 NTPCR	1.06154	1.64E-23	True
ENSG0000010 CSNK1G1	1.05877	6.85E-11	True
ENSG0000014 CHST7	1.05872	0.00375667	False
ENSG0000008 COBLL1	1.0586	4.82E-05	True

ENSG0000014 CD53	1.05823	0.74712	False
ENSG0000000 CACNA1G	1.05786	0.182479	False
ENSG0000002 KCTD11	1.05783	0.0160483	False
ENSG0000001( ELMO3	1.05689	0.677091	False
ENSG00000017 GNG7	1.05533	0.530005	False
ENSG0000001( TRIM68	1.05504	0.0825582	False
ENSG0000000: DPF1	1.05502	5.14E-08	False
ENSG00000017 TPPP	1.05497	0.0101077	False
ENSG00000017 EML2	1.05371	2.44E-42	True
ENSG00000017 PRSS27	1.05305	0.588502	False
ENSG00000009 CEP170B	1.05185	4.24E-34	False
ENSG00000013 CCDC62	1.05103	0.621335	False
ENSG0000000( OSBPL7	1.04969	0.0535817	False
ENSG0000002: PPME1	1.04837	4.63E-37	False
ENSG00000014 DGKQ	1.04771	0.00039088	False
ENSG00000013 ANXA3	1.04755	1.29E-13	False
ENSG00000013 STAT4	1.04707	0.640628	False
ENSG00000017 PARP10	1.04703	0.693129	False
ENSG0000001( TJP3	1.04535	0.756587	False
ENSG00000017 CHST3	1.04494	0.00110171	False
ENSG0000001( CPE	1.04464	2.80E-28	False
ENSG00000013 COQ10A	1.04447	0.00050237	False
ENSG00000017 ETV4	1.0442	0.178204	False
ENSG0000002: RTL10	1.04404	6.83E-09	False
ENSG00000017 CHAC1	1.04349	0.0344914	False
ENSG00000017 NADSYN1	1.04275	5.23E-06	True
ENSG0000001( SYTL3	1.04241	0.752489	False
ENSG00000013 ZSWIM4	1.04232	0.146815	False
ENSG0000001( CCDC34	1.04227	8.02E-97	False
ENSG0000001( NEK10	1.04138	0.12455	False
ENSG00000017 SDC4	1.04117	3.97E-15	False
ENSG0000001( ADAMTS13	1.04007	0.688507	False
ENSG00000013 ZNF337	1.03976	3.97E-05	True
ENSG0000001( CPAMD8	1.03848	0.548233	False
ENSG0000002( LRCOL1	1.03629	0.897059	False
ENSG00000014 CELF6	1.03629	0.897059	False
ENSG0000001( TLX1	1.03629	0.897059	False
ENSG00000019 MERTK	1.03629	0.897059	False
ENSG00000014 NT5DC4	1.03629	0.897059	False
ENSG00000017 PKHD1	1.03629	0.897059	False
ENSG0000001( TMEM130	1.03629	0.897059	False
ENSG0000002: PRR20G	1.03629	0.897059	False
ENSG00000017 GTSF1	1.03629	0.897059	False
ENSG00000019 DCAF12L1	1.03629	0.897059	False
ENSG00000013 RAI2	1.03629	0.897059	False
ENSG00000017 TBC1D10C	1.03629	0.897059	False
ENSG00000018 LPAR5	1.03629	0.897059	False
ENSG0000000( TMEM98	1.03629	0.897059	False
ENSG0000001( CCDC198	1.03629	0.897059	False
ENSG00000018 ANO9	1.03629	0.897059	False
ENSG00000019 SLC28A3	1.03629	0.897059	False
ENSG00000017 MGAT3	1.03629	0.897059	False

ENSG0000007	TUBA3D	1.03629	0.897059	False
ENSG0000018	CYP4F2	1.03629	0.897059	False
ENSG0000013	KRT33B	1.03629	0.897059	False
ENSG0000020	KRT6A	1.03629	0.897059	False
ENSG0000019	DNAH10	1.03629	0.897059	False
ENSG0000016	KCNJ4	1.03629	0.897059	False
ENSG0000019	PWWP3B	1.03629	0.897059	False
ENSG0000014	ROPN1L	1.03629	0.897059	False
ENSG0000018	SHISA2	1.03629	0.897059	False
ENSG0000013	DHH	1.03629	0.897059	False
ENSG0000019	PIK3AP1	1.03629	0.897059	False
ENSG0000020	PRR20C	1.03629	0.897059	False
ENSG0000020	PRR20B	1.03629	0.897059	False
ENSG0000020	PRR20D	1.03629	0.897059	False
ENSG0000016	AGBL2	1.03629	0.897059	False
ENSG0000023	PRR20E	1.03629	0.897059	False
ENSG0000013	FGF5	1.03629	0.897059	False
ENSG0000009	CATSPERG	1.03629	0.897059	False
ENSG0000019	IL34	1.03629	0.897059	False
ENSG0000010	CHRNA4	1.03629	0.897059	False
ENSG0000017	CHST1	1.03629	0.897059	False
ENSG0000014	SCUBE3	1.03629	0.897059	False
ENSG0000018	ZFP92	1.03629	0.897059	False
ENSG0000014	FAM83A	1.03629	0.897059	False
ENSG0000019	RAB39B	1.03629	0.897059	False
ENSG0000017	ODAPH	1.03629	0.897059	False
ENSG0000016	POTED	1.03629	0.897059	False
ENSG0000017	DCDC1	1.03629	0.897059	False
ENSG0000020	PRR20A	1.03629	0.897059	False
ENSG0000016	MS4A15	1.03629	0.897059	False
ENSG0000000	CD22	1.03629	0.897059	False
ENSG0000017	NSUN7	1.03629	0.897059	False
ENSG0000000	RBFOX1	1.03629	0.897059	False
ENSG0000009	CRTAC1	1.03629	0.897059	False
ENSG0000017	EPHX2	1.03629	0.897059	False
ENSG0000013	ATP8A2	1.03629	0.897059	False
ENSG0000018	GOLGA8G	1.03629	0.897059	False
ENSG0000020	CLEC19A	1.03629	0.897059	False
ENSG0000019	GOLGA8F	1.03629	0.897059	False
ENSG0000018	HS3ST4	1.03629	0.897059	False
ENSG0000017	ALOXE3	1.03629	0.897059	False
ENSG0000019	FREM2	1.03629	0.897059	False
ENSG0000018	DBX2	1.03629	0.897059	False
ENSG0000013	NT5C1A	1.03629	0.897059	False
ENSG0000018	RG57	1.03629	0.897059	False
ENSG0000010	SLC52A3	1.03629	0.897059	False
ENSG0000013	LRCH2	1.03629	0.897059	False
ENSG0000009	P2RX6	1.03629	0.897059	False
ENSG0000018	PLD5	1.03629	0.897059	False
ENSG0000017	MMP19	1.03629	0.897059	False
ENSG0000013	MDF1	1.03629	0.897059	False
ENSG0000017	ZDHHC22	1.03629	0.897059	False

ENSG000001: ATP2B2	1.03629	0.897059	False
ENSG000002: TCEAL5	1.03629	0.897059	False
ENSG000001: CDHR1	1.03629	0.897059	False
ENSG000002: SSX4	1.03629	0.897059	False
ENSG000001: PLXNC1	1.03629	0.897059	False
ENSG000001: ICAM2	1.03629	0.897059	False
ENSG000001: MYEF2	1.03629	0.897059	False
ENSG000001: XAGE5	1.03629	0.897059	False
ENSG000001: ATP6V1C2	1.03629	0.897059	False
ENSG000001: STK31	1.03629	0.897059	False
ENSG000001: TCEAL7	1.03629	0.897059	False
ENSG000001: XCL1	1.03629	0.897059	False
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ENSG000001: GRID1	1.03629	0.897059	False
ENSG000001: LRRC4B	1.03629	0.897059	False
ENSG000001: CALN1	1.03629	0.897059	False
ENSG000001: CORO2B	1.03629	0.897059	False
ENSG000001: DYDC2	1.03629	0.897059	False
ENSG000001: DLGAP1	1.03629	0.897059	False
ENSG000001: CCL24	1.03629	0.897059	False
ENSG000001: GLDN	1.03629	0.897059	False
ENSG000002: SSX4B	1.03629	0.897059	False
ENSG000001: SLC35F1	1.03629	0.897059	False
ENSG000001: THY1	1.03629	0.897059	False
ENSG000001: CFAP43	1.03629	0.897059	False
ENSG000001: CSF1R	1.03629	0.897059	False
ENSG000001: FRMD1	1.03629	0.897059	False
ENSG000001: MC5R	1.03629	0.897059	False
ENSG000002: STPG4	1.03629	0.897059	False
ENSG000001: MED12L	1.03629	0.897059	False
ENSG000001: CYRIA	1.03629	0.897059	False
ENSG000001: F5	1.03629	0.897059	True
ENSG000001: RAB37	1.03629	0.897059	False
ENSG000001: ARHGEF6	1.03629	0.897059	False
ENSG000001: GCNT3	1.03629	0.897059	False
ENSG000000: GP6	1.03629	0.897059	False
ENSG000001: ANKRD62	1.03629	0.897059	False
ENSG000001: PFN4	1.03629	0.897059	False
ENSG000001: GSPT2	1.03629	0.897059	False
ENSG000000: DGKG	1.03629	0.897059	False
ENSG000001: SOX11	1.03629	0.897059	False
ENSG000002: FRRS1L	1.03629	0.897059	False
ENSG000001: REG1A	1.03629	0.897059	False
ENSG000001: NRP2	1.03532	0.0196576	False
ENSG000001: ADGRB2	1.03399	0.226997	False
ENSG000002: STMND1	1.03399	0.754923	False
ENSG000002: UGT1A7	1.03132	0.714729	False
ENSG000002: UGT1A5	1.03132	0.714729	False
ENSG000002: UGT1A9	1.03132	0.714729	False
ENSG000001: UGT1A6	1.03132	0.714729	False
ENSG000002: UGT1A10	1.03132	0.714729	False
ENSG000002: UGT1A8	1.03132	0.714729	False

ENSG0000024	UGT1A4	1.03132	0.714729	False
ENSG0000028	UGT1A3	1.03132	0.714729	False
ENSG0000024	UGT1A1	1.03132	0.714729	False
ENSG0000027	TBC1D31	1.03085	0.209599	False
ENSG0000010	ARHGDI8	1.03059	0.766376	False
ENSG0000010	CTSS	1.02989	1.03E-09	False
ENSG0000010	TMEM129	1.02812	5.73E-17	False
ENSG0000010	EMP1	1.02543	0.0860324	False
ENSG0000010	STX11	1.02484	0.057637	False
ENSG0000010	GJA3	1.02465	0.0942018	False
ENSG0000020	GPX1	1.02427	1.26E-21	True
ENSG0000010	RPAP2	1.02223	7.84E-15	False
ENSG0000010	PDGFRL	1.0214	0.0107021	False
ENSG0000010	GLRX	1.02134	4.88E-06	False
ENSG0000010	ABHD3	1.02085	6.31E-10	False
ENSG0000010	IRF1	1.01932	1.82E-06	False
ENSG0000010	PCK1	1.01808	0.0764262	False
ENSG0000010	PKD1L1	1.01676	0.84362	False
ENSG0000010	MYL4	1.01676	0.84362	False
ENSG0000000	TMEM131	1.01574	3.70E-14	True
ENSG0000020	C6orf226	1.01539	0.0346401	False
ENSG0000020	FAM187A	1.01342	0.411807	False
ENSG0000010	CCDC103	1.01342	0.411807	False
ENSG0000010	NRBP2	1.01316	2.06E-08	False
ENSG0000010	INPP5J	1.01275	0.13235	False
ENSG0000010	ZNF654	1.01212	0.00030342	False
ENSG0000010	MORC4	1.01159	1.04E-18	False
ENSG0000010	LRRCS6	1.01077	0.504982	False
ENSG0000010	PLAC8	1.01061	1.47E-29	False
ENSG0000010	STARD9	1.01005	0.000306	False
ENSG0000010	MAP3K7CL	1.00943	0.2635	False
ENSG0000010	GALNT10	1.00854	3.58E-06	False
ENSG0000000	EPDR1	1.00742	1.29E-06	False
ENSG0000010	FUT1	1.00674	0.417523	False
ENSG0000010	EID2B	1.00606	0.00036051	True
ENSG0000010	TEF	1.00494	0.161127	False
ENSG0000000	DBNDD1	1.00446	0.0248176	False
ENSG0000010	VAMP1	1.00367	0.0470111	False
ENSG0000000	HSD3B7	1.00341	0.0496098	False
ENSG0000010	NKX3-1	1.00197	1.39E-05	False
ENSG0000020	GOLGA8O	1.00134	0.092909	False
ENSG0000010	SPTLC3	1.00013	0.379995	False
ENSG0000010	VWF	0.9993	0.836693	False
ENSG0000010	APOBEC3F	0.999025	0.83561	False
ENSG0000010	UPK1A	0.999025	0.83561	False
ENSG0000010	PKD1L2	0.999025	0.83561	False
ENSG0000020	GSTM2	0.999025	0.83561	False
ENSG0000010	GSTM1	0.999025	0.83561	False
ENSG0000010	ADAMTS10	0.999016	0.83561	False
ENSG0000010	HOXB2	0.999016	0.83561	False
ENSG0000010	HES6	0.998826	0.00048409	False
ENSG0000010	HDAC10	0.998163	0.421059	False



ENSG000001: CD274	0.997441	6.93E-05	False
ENSG000001: CAMK1	0.993321	1.05E-10	False
ENSG000001: ENC1	0.992802	0.0580282	False
ENSG000001: TNFRSF10B	0.992017	6.22E-33	True
ENSG000001: MYORG	0.991491	1.86E-07	False
ENSG000001: FGF18	0.990711	0.037115	False
ENSG000001: CFAP119	0.990103	0.0328987	False
ENSG000001: PHYH	0.989621	8.27E-13	False
ENSG000001: H1-2	0.989386	1.08E-22	True
ENSG000001: ABHD8	0.988212	0.119464	False
ENSG000001: ARPP21	0.987384	0.333209	False
ENSG000001: DACT1	0.986809	0.0321409	False
ENSG000000: ITGA3	0.986175	0.0313264	True
ENSG000002: MYL5	0.985411	0.149765	False
ENSG000000: RASGRF1	0.985352	0.84827	False
ENSG000001: KRT15	0.985352	0.84827	True
ENSG000000: CMTM1	0.98522	0.847359	False
ENSG000001: NCAN	0.98522	0.847359	False
ENSG000001: LRATD2	0.985216	0.847359	True
ENSG000001: PAPP2	0.985216	0.847359	False
ENSG000001: PIWIL2	0.985154	0.285212	False
ENSG000001: MYL11	0.984937	0.526529	False
ENSG000001: TMEM117	0.984877	4.81E-07	False
ENSG000001: AQP3	0.983685	4.20E-06	False
ENSG000002: EXOC3L4	0.98295	0.458995	False
ENSG000001: APBB1	0.981716	0.533833	False
ENSG000001: LGALS9C	0.979124	0.472796	False
ENSG000001: TMEM92	0.978878	0.0273806	False
ENSG000000: TRAF4	0.977935	5.26E-10	True
ENSG000000: SCIN	0.977403	0.347506	False
ENSG000001: DHRS2	0.976924	8.10E-08	False
ENSG000001: MCC	0.976613	1.71E-05	True
ENSG000001: MESP2	0.974994	0.3399	False
ENSG000001: ANKRD33B	0.973006	0.00012312	False
ENSG000000: NLRP1	0.972426	5.32E-13	False
ENSG000002: CFHR1	0.972318	0.312375	False
ENSG000001: CXCL10	0.972138	0.444839	False
ENSG000001: PMAIP1	0.971907	1.52E-17	True
ENSG000001: TTC39B	0.971492	0.0106124	False
ENSG000000: GPRC5A	0.970795	4.32E-18	False
ENSG000000: ARHGAP10	0.970498	6.18E-05	False
ENSG000001: CREB3L1	0.968552	0.584445	False
ENSG000001: SLC47A1	0.967621	0.00071978	False
ENSG000001: TMEM37	0.967536	0.0836473	False
ENSG000001: C21orf58	0.966413	0.00551114	False
ENSG000001: CCDC81	0.964399	0.589207	False
ENSG000002: SLC48A1	0.964348	4.32E-10	False
ENSG000001: ZNF449	0.964144	0.0289744	False
ENSG000001: ZNF793	0.964072	0.844289	False
ENSG000000: CNGB1	0.964072	0.844289	False
ENSG000001: TRPM8	0.964072	0.844289	False
ENSG000001: TET1	0.964071	0.844289	False

ENSG000001{ ADGRV1	0.964071	0.844289	False
ENSG000001{ ZNF385D	0.964071	0.844289	False
ENSG000002{ NHLRC4	0.964071	0.844289	False
ENSG000001{ C1QTNF12	0.964071	0.844289	False
ENSG000001{ ACSL5	0.96403	0.845494	False
ENSG000000{ CCL26	0.96403	0.845494	False
ENSG000002{ HLA-F	0.96403	0.845494	False
ENSG000001{ CFAP65	0.96403	0.845494	False
ENSG000001{ PSTPIP2	0.963101	2.26E-09	True
ENSG000000{ SORBS1	0.960074	0.141515	False
ENSG000002{ CCHCR1	0.960067	0.00332286	False
ENSG000001{ GPR137C	0.960008	0.0646092	False
ENSG000000{ CAPN1	0.959464	3.49E-13	False
ENSG000001{ GOLGA8R	0.958117	0.108623	False
ENSG000001{ SHROOM2	0.958096	0.530568	False
ENSG000001{ CLDN1	0.956991	0.00549193	False
ENSG000001{ H2BC1	0.956612	0.575314	False
ENSG000001{ GPRC5C	0.956126	0.281026	False
ENSG000001{ SERPINE2	0.953382	1.07E-19	False
ENSG000001{ ZFHX2	0.952783	0.308942	False
ENSG000001{ TFEB	0.952209	0.186901	False
ENSG000001{ SLC2A8	0.951959	6.52E-14	False
ENSG000001{ EFCAB13	0.950346	0.593744	False
ENSG000001{ WFDC2	0.949087	0.846475	False
ENSG000001{ ECM1	0.949087	0.846475	False
ENSG000001{ KIF17	0.949087	0.846475	False
ENSG000002{ DOK6	0.949087	0.846475	False
ENSG000000{ SLAMF7	0.949087	0.846475	False
ENSG000001{ ZNF711	0.94908	0.846475	False
ENSG000001{ ADGRF4	0.94908	0.846475	False
ENSG000002{ C14orf132	0.948891	0.847359	False
ENSG000001{ SERPINF2	0.948891	0.847359	False
ENSG000001{ CORO2A	0.94794	2.46E-12	False
ENSG000001{ LRRC8C	0.945495	0.0025118	False
ENSG000001{ WWC2	0.945035	2.25E-27	False
ENSG000001{ DACT3	0.94316	0.581585	False
ENSG000001{ SUL1A2	0.94247	0.582947	False
ENSG000001{ ACTG2	0.942037	1.89E-12	False
ENSG000001{ PAX9	0.941995	0.135363	False
ENSG000001{ TAF3	0.941431	3.69E-15	False
ENSG000000{ CYLD	0.938328	1.27E-13	False
ENSG000001{ CRABP2	0.935754	3.35E-08	False
ENSG000002{ TBC1D3E	0.934519	0.220265	False
ENSG000001{ HYAL1	0.933623	0.0922408	False
ENSG000001{ PLD3	0.932448	0.00925737	False
ENSG000001{ BCL11B	0.932363	0.643054	False
ENSG000001{ IRS1	0.930763	0.00051201	False
ENSG000001{ CCND3	0.929752	2.69E-28	True
ENSG000001{ COL2A1	0.929747	0.0269103	False
ENSG000001{ LYPD6	0.929475	0.00019401	False
ENSG000000{ MARCHF2	0.928611	0.233949	False
ENSG000001{ ADPRHL1	0.927407	8.42E-05	False

ENSG0000018 NKX2-5	0.927173	1.79E-09	False
ENSG0000017 TOM1L2	0.925512	4.99E-05	False
ENSG0000016 ENHO	0.924889	0.709208	False
ENSG0000013 TMEM8B	0.924414	0.00049107	False
ENSG0000016 RAB4B	0.923996	0.314975	False
ENSG0000011 PCDHB15	0.92343	0.635213	False
ENSG0000016 BRSK1	0.923093	0.113286	False
ENSG0000017 PSD4	0.922708	0.185744	False
ENSG0000019 CCDC74B	0.922256	0.120128	False
ENSG0000020 RNF208	0.920239	0.645939	False
ENSG0000011 CRYBG1	0.918232	0.0863625	False
ENSG0000013 CEMIP2	0.917503	7.22E-16	False
ENSG0000017 EGR3	0.916431	0.639308	False
ENSG0000014 OSGIN1	0.916108	0.477358	True
ENSG0000014 FGF7	0.915983	0.47346	False
ENSG0000020 TMEM200B	0.915913	0.0226184	False
ENSG0000017 TOX2	0.915341	0.00014912	False
ENSG0000000 CRLF1	0.915156	1.61E-10	False
ENSG0000016 SLFN5	0.914396	0.00541902	False
ENSG0000016 DAPL1	0.913527	0.472326	False
ENSG0000014 IDNK	0.913521	0.0773266	False
ENSG0000019 PDLIM3	0.913351	4.17E-05	False
ENSG0000020 CSNK2A3	0.912756	0.506672	False
ENSG0000024 GOLGA8K	0.911148	0.134182	False
ENSG0000013 PNPLA7	0.910434	0.618463	False
ENSG0000017 PCSK1	0.909773	8.65E-08	False
ENSG0000018 KPNA7	0.909619	0.865295	False
ENSG0000016 KCTD19	0.909619	0.865295	False
ENSG0000020 CFI	0.909619	0.865295	False
ENSG0000014 CDH18	0.909601	0.865295	False
ENSG0000020 SLC23A3	0.909601	0.865295	False
ENSG0000019 MARVELD1	0.907259	8.29E-19	False
ENSG0000014 CCN1	0.906088	1.62E-39	False
ENSG0000000 ACAP1	0.905139	0.234475	False
ENSG0000014 ADM	0.903379	6.62E-12	False
ENSG0000000 PRICKLE3	0.900956	5.60E-05	False
ENSG0000014 MAL2	0.899793	0.223288	False
ENSG0000010 ESRP2	0.899639	0.0274824	False
ENSG0000020 RAET1G	0.897726	0.544988	False
ENSG0000013 SMAD5	0.897231	1.36E-40	True
ENSG0000019 C20orf96	0.897209	0.65159	False
ENSG0000018 S1PR5	0.896637	0.128827	False
ENSG0000000 PLEKHB1	0.896168	0.539176	False
ENSG0000000 IL17RB	0.895261	0.00654862	False
ENSG0000000 FNIP2	0.894973	1.48E-05	False
ENSG0000019 FBXL2	0.894691	0.00154464	False
ENSG0000020 MIA-RAB4B	0.894602	0.415156	False
ENSG0000019 RAB6B	0.894309	5.39E-06	False
ENSG0000018 FLRT2	0.893906	3.08E-07	True
ENSG0000020 GP1BB	0.893636	0.418582	False
ENSG0000013 SIPA1L2	0.893103	0.00017499	False
ENSG0000014 CDC42EP2	0.893002	0.0517763	False

ENSG000001: GAD1	0.892976	0.351096	False
ENSG000001: LGALS9B	0.892915	0.521137	False
ENSG000001: LCN10	0.89132	0.321868	False
ENSG000001: F8	0.890851	1.37E-05	False
ENSG000001: MEGF8	0.890828	0.00271472	False
ENSG000001: TMEM107	0.889468	7.27E-15	False
ENSG000001: NPNT	0.889297	0.0645749	False
ENSG000001: CNFN	0.889025	0.0198794	False
ENSG000001: NAGS	0.887635	0.191042	False
ENSG000001: BRMS1L	0.887083	9.56E-08	True
ENSG000001: HRAS	0.886255	0.00039132	True
ENSG000001: CRISPLD1	0.885821	0.103843	False
ENSG000000: RRM2B	0.88552	5.40E-06	True
ENSG000001: NINJ1	0.883837	9.20E-11	True
ENSG000001: C1orf54	0.882151	0.676647	False
ENSG000002: ANG	0.882015	0.368932	False
ENSG000001: MCF2	0.876782	0.452368	False
ENSG000001: DDIAS	0.875706	5.23E-10	False
ENSG000001: SLC30A4	0.87473	0.308848	False
ENSG000000: GPC1	0.874244	4.32E-05	True
ENSG000001: NXNL2	0.873866	0.0445653	False
ENSG000001: LCA5L	0.872848	0.492379	False
ENSG000001: DUSP4	0.871476	1.06E-05	False
ENSG000001: GBP1	0.870657	6.60E-11	False
ENSG000001: TTC9	0.870084	0.0447204	False
ENSG000002: TBC1D3G	0.869111	0.273902	False
ENSG000002: TBC1D3H	0.869111	0.273902	False
ENSG000002: TBC1D3F	0.869111	0.273902	False
ENSG000002: TBC1D3L	0.869111	0.273902	False
ENSG000002: TBC1D3	0.869111	0.273902	False
ENSG000001: CRB1	0.868108	0.0001193	False
ENSG000001: BMP2K	0.86783	1.39E-08	False
ENSG000001: C3orf33	0.867344	0.00112474	False
ENSG000001: JAG1	0.867202	0.00692874	False
ENSG000001: CABP4	0.866817	0.110738	False
ENSG000001: IGDCC4	0.86669	0.614318	True
ENSG000001: NTAN1	0.865901	1.04E-07	False
ENSG000002: TBC1D3D	0.865896	0.266331	False
ENSG000001: GPR135	0.864208	0.316854	False
ENSG000001: MAP3K15	0.864163	0.144899	False
ENSG000002: PSMB9	0.864127	0.00708289	False
ENSG000001: CDKN2D	0.863654	4.94E-07	False
ENSG000001: CDKN1C	0.863282	2.14E-33	False
ENSG000000: FLT3LG	0.862958	0.153487	False
ENSG000001: CHRNA7	0.861736	0.00025333	False
ENSG000001: GJB7	0.86159	0.570065	False
ENSG000001: LYPD1	0.859994	0.00750239	False
ENSG000000: ABCC6	0.858983	0.0415588	False
ENSG000001: PAPLN	0.858762	0.0797319	False
ENSG000001: ANKRD34B	0.858362	0.665258	False
ENSG000000: FAM107B	0.856797	2.41E-17	False
ENSG000001: SNTB2	0.856241	2.63E-18	False

ENSG0000010101:STN1	0.854316	0.0427295	False
ENSG0000010101:APOC1	0.854257	0.0002123	False
ENSG0000010101:LRRC75A	0.852338	0.3291	False
ENSG0000010101:RIPK1	0.851914	1.98E-05	False
ENSG0000010101:MAP1A	0.851789	0.133999	False
ENSG0000010101:BLOC1S2	0.851724	2.89E-35	True
ENSG0000020101:PROB1	0.85138	0.188484	False
ENSG0000000101:TGFB2	0.850506	9.46E-29	False
ENSG0000010101:VPS13C	0.850485	7.01E-11	False
ENSG0000010101:INPP4B	0.850143	0.606189	False
ENSG0000020101:SPECC1L-ADO	0.850076	0.356282	False
ENSG0000000101:SERPINB1	0.849186	1.29E-13	False
ENSG0000010101:ABTB2	0.849042	5.74E-08	False
ENSG0000010101:ASF1B	0.848776	2.83E-39	False
ENSG0000020101:KRT81	0.848648	0.497557	False
ENSG0000010101:CRIP2	0.84826	0.00055995	False
ENSG0000010101:CEP19	0.847855	0.15933	False
ENSG0000010101:THBS4	0.846054	0.775466	False
ENSG0000010101:IKBIP	0.845396	1.08E-22	True
ENSG0000010101:GPCPD1	0.84529	0.00699869	False
ENSG0000010101:HCFC2	0.844611	2.65E-05	False
ENSG0000010101:PGAP1	0.844402	3.51E-07	False
ENSG0000010101:TMCC1	0.844317	1.68E-07	False
ENSG0000010101:CST3	0.843769	0.00041584	False
ENSG0000020101:STARD10	0.843566	0.262783	False
ENSG0000000101:KCNK2	0.843065	0.726842	False
ENSG0000010101:ACBD4	0.842443	0.316661	False
ENSG0000020101:FADS3	0.841584	4.74E-14	False
ENSG0000010101:DNAJB2	0.840438	0.00085969	False
ENSG0000020101:STRADA	0.840409	9.42E-05	False
ENSG0000010101:CAPRIN2	0.839684	0.00353166	False
ENSG0000010101:MBP	0.839615	1.08E-08	False
ENSG0000020101:B3GNT9	0.839398	0.00038111	False
ENSG0000010101:PCED1B	0.839396	0.611939	False
ENSG0000010101:TRIM21	0.839302	0.00839874	False
ENSG0000010101:CPLANE2	0.838791	0.656184	False
ENSG0000000101:FLYWCH1	0.837114	0.0100579	False
ENSG0000020101:DECR2	0.83564	0.00258272	False
ENSG0000010101:WTIP	0.835343	0.0491444	False
ENSG0000010101:TNIP1	0.835221	1.08E-09	False
ENSG0000010101:ZNF852	0.835086	0.638824	False
ENSG0000000101:FRY	0.834752	0.144691	False
ENSG0000010101:NHSL1	0.834473	0.0207126	False
ENSG0000010101:NLRX1	0.833526	0.0691512	False
ENSG0000010101:ADAMTSL5	0.833068	0.052882	False
ENSG0000010101:RPS6KA1	0.831731	2.03E-06	False
ENSG0000010101:BOC	0.831583	0.224378	False
ENSG0000010101:FRMD8	0.831066	7.06E-23	False
ENSG0000010101:RABGGTA	0.829468	0.00091195	True
ENSG0000010101:GPR155	0.829013	0.0166137	False
ENSG0000010101:ARHGAP22	0.827209	0.539811	False
ENSG0000010101:CCDC180	0.827005	0.243453	False

ENSG000002: DUSP14	0.82682	6.14E-25	True
ENSG000001: NDRG2	0.825686	8.92E-06	False
ENSG000001: DEPDC7	0.825659	1.83E-07	False
ENSG000001: SMPD1	0.825474	2.81E-07	False
ENSG000001: IL27RA	0.825111	6.95E-06	False
ENSG000001: EBI3	0.823836	0.77171	False
ENSG000001: CSGALNACT1	0.822944	0.0005314	False
ENSG000001: DHRS1	0.821953	2.50E-09	False
ENSG000001: C19orf25	0.821811	2.00E-06	False
ENSG000001: CASP4	0.819425	0.00140307	False
ENSG000001: ZNF396	0.819071	0.660808	False
ENSG000001: SANBR	0.818515	2.35E-05	False
ENSG000000: PTPN3	0.818044	0.00037289	False
ENSG000001: ANKRD37	0.817948	0.00131567	False
ENSG000001: SLC22A3	0.817134	5.49E-05	False
ENSG000001: SRRM3	0.816449	0.774948	False
ENSG000001: SLC25A4	0.816091	5.32E-12	False
ENSG000000: CLDN11	0.813982	0.677369	False
ENSG000001: DMRTA1	0.812474	0.0182008	False
ENSG000001: MPP7	0.811867	0.00101032	False
ENSG000001: TMEM116	0.811795	0.079047	False
ENSG000001: RELB	0.810963	1.05E-09	False
ENSG000001: SCN4B	0.809922	0.774948	False
ENSG000001: TRAM1L1	0.809922	0.774948	False
ENSG000001: PROCR	0.809322	4.25E-10	True
ENSG000001: AMY1C	0.808933	0.509256	False
ENSG000001: ZNF165	0.808766	0.332089	False
ENSG000001: GDPGP1	0.80872	0.0906011	False
ENSG000001: SLC31A2	0.808637	0.0499444	False
ENSG000002: TBC1D3K	0.808509	0.307722	False
ENSG000001: TCEAL2	0.808	0.776531	False
ENSG000001: NECTIN1	0.807437	0.00916059	False
ENSG000000: SH3BP2	0.806156	0.0849376	False
ENSG000001: RALGDS	0.80512	6.12E-19	True
ENSG000001: SLC16A5	0.805012	0.232681	False
ENSG000000: FAM168A	0.803948	0.00437832	False
ENSG000001: CHRNA10	0.803056	0.573773	False
ENSG000001: GLI3	0.801203	0.0693767	False
ENSG000001: HOXD11	0.800674	0.0455046	False
ENSG000001: EN2	0.800145	0.670481	False
ENSG000001: EPHX1	0.799188	0.122931	True
ENSG000001: ZGRF1	0.799006	0.12454	False
ENSG000001: ALDH1A3	0.798183	0.00071945	True
ENSG000001: CMTM3	0.796771	0.00117468	False
ENSG000001: SLC27A2	0.796491	3.98E-08	False
ENSG000001: AHNAK2	0.796154	2.02E-05	False
ENSG000001: HOXC13	0.792633	1.59E-10	False
ENSG000001: CNIH2	0.792553	0.224	False
ENSG000001: CCNE2	0.792472	3.37E-06	False
ENSG000001: ELMOD3	0.792347	0.225359	False
ENSG000001: EFN2	0.790761	0.0253671	False
ENSG000001: ELOVL4	0.789671	0.0219119	False

ENSG00000009	PRDM1	0.786401	0.00119263	True
ENSG00000018	PRKX	0.786383	1.24E-14	False
ENSG00000017	UCP3	0.786286	0.441971	False
ENSG00000019	MMAA	0.785774	0.336273	False
ENSG00000016	LRRC3	0.785036	0.218799	False
ENSG00000010	REC8	0.7848	0.541683	False
ENSG00000009	EFNB1	0.784699	0.109831	True
ENSG00000018	CLN8	0.784546	0.00339154	False
ENSG00000016	ZNF704	0.784329	0.11496	False
ENSG00000016	F2RL2	0.784173	0.783684	False
ENSG00000014	BEST4	0.784159	0.788046	False
ENSG00000016	ERAP1	0.784121	0.002211	False
ENSG00000017	ERRFI1	0.782977	0.0152858	False
ENSG00000017	MOB3A	0.782931	0.100383	False
ENSG00000019	IL33	0.782703	0.725927	False
ENSG00000019	EPS8	0.782509	0.0248066	False
ENSG00000023	CDRT4	0.782073	0.00115328	False
ENSG00000017	BMP4	0.781863	0.459921	False
ENSG00000016	SBSPON	0.781102	0.349034	False
ENSG00000016	LRWD1	0.781001	0.147947	False
ENSG00000017	PARD6G	0.778509	0.0921568	True
ENSG00000019	IL18	0.77835	0.0001189	False
ENSG00000010	CAV1	0.778036	1.40E-33	False
ENSG00000016	TMEM234	0.777659	0.340787	False
ENSG00000010	MAN2B1	0.777105	0.00063903	False
ENSG00000018	ZBTB20	0.776191	1.85E-18	False
ENSG00000016	CHRFAM7A	0.774676	0.0168803	False
ENSG00000017	CGNL1	0.774421	0.460825	False
ENSG00000019	ADAM8	0.774088	0.135965	False
ENSG00000029	PPT2-EGFL8	0.774025	0.0995921	False
ENSG00000017	FAM110A	0.773179	0.175999	False
ENSG00000018	COL4A5	0.773005	1.29E-09	False
ENSG00000016	ZNF513	0.772854	0.228981	False
ENSG00000016	ATG16L2	0.772522	1.08E-05	False
ENSG00000020	TRIM15	0.770615	0.722654	False
ENSG00000009	SLC26A4	0.770583	0.563609	False
ENSG00000016	SPATA33	0.769619	0.00539559	False
ENSG00000017	VDR	0.769391	4.71E-08	True
ENSG00000028	IQCJ-SCHIP1	0.769006	6.44E-06	False
ENSG00000027	ARHGEF28	0.767344	0.1772	False
ENSG00000018	COL4A1	0.766894	6.74E-46	False
ENSG00000017	FAM210B	0.766565	1.62E-09	True
ENSG00000018	CCR10	0.766553	0.376017	False
ENSG00000019	SCHIP1	0.766304	6.95E-06	False
ENSG00000010	CAV2	0.765646	4.14E-17	False
ENSG00000016	C2CD3	0.765003	1.13E-06	False
ENSG00000017	TRIM32	0.764855	2.76E-09	True
ENSG00000010	DGKH	0.763967	6.58E-06	False
ENSG00000017	SYNE3	0.763903	0.287274	False
ENSG00000017	JUP	0.763836	4.35E-09	False
ENSG00000027	ZNF469	0.762934	2.19E-07	False
ENSG00000016	IER5	0.762224	4.82E-31	True

ENSG0000016 SLC37A1	0.761529	0.0390455	False
ENSG0000014 BCL10	0.761362	0.0008563	True
ENSG0000008 DNAAF9	0.761224	0.0760783	False
ENSG0000019 ZNF860	0.761162	0.0588487	False
ENSG0000009 GADD45B	0.760475	1.56E-07	False
ENSG0000008 TCF7	0.760124	0.0238679	False
ENSG0000018 NANOS1	0.75938	0.0170456	False
ENSG0000014 NCEH1	0.758327	0.00468644	True
ENSG0000012 EEF1AKMT3	0.757859	0.222548	False
ENSG0000010 RAD51C	0.757742	2.16E-19	True
ENSG0000016 APBB2	0.756902	0.025101	False
ENSG0000026 CCDC194	0.756529	0.726353	False
ENSG0000006 LZTS1	0.755441	0.72197	False
ENSG0000016 ASRGL1	0.754975	8.09E-07	False
ENSG0000000 CDKL5	0.754406	0.0198925	False
ENSG0000017 ERFE	0.754309	0.0586869	False
ENSG0000029 TVP23C-CDRT	0.753866	0.00152371	False
ENSG0000012 PODXL	0.753157	8.16E-21	False
ENSG0000010 YPEL5	0.752602	1.56E-05	False
ENSG0000019 RETREG1	0.752487	5.55E-09	False
ENSG0000027 GOLGA6L10	0.751968	0.308599	False
ENSG0000016 ZNF219	0.750952	6.89E-06	True
ENSG0000020 TLL3	0.750663	0.534703	False
ENSG0000019 ISCU	0.75019	2.94E-15	True
ENSG0000028 F8A1	0.749334	2.33E-12	False
ENSG0000018 TLCD2	0.749093	0.0009203	False
ENSG0000019 ZSWIM3	0.748925	0.137318	False
ENSG0000010 IRF2BPL	0.748703	1.11E-17	True
ENSG0000000 SEMA3B	0.747914	1.30E-05	True
ENSG0000019 ANKRD42	0.74752	0.00693402	False
ENSG0000010 MED23	0.747431	2.48E-07	False
ENSG0000017 BBS1	0.747346	0.00822303	False
ENSG0000019 LAMC1	0.747058	5.90E-18	False
ENSG0000014 EI24	0.746394	4.19E-51	True
ENSG0000019 CASP6	0.746175	1.33E-06	False
ENSG0000010 TJP2	0.745341	0.0328987	False
ENSG0000016 BORCS5	0.744565	0.11411	False
ENSG0000012 OR2B6	0.744527	0.242511	False
ENSG0000017 CES3	0.744399	0.168121	False
ENSG0000016 ELF3	0.743796	0.0203836	False
ENSG0000017 TNFRSF10D	0.74322	0.00071978	True
ENSG0000010 FIG4	0.743065	0.00094623	False
ENSG0000010 ELK3	0.742977	0.00025157	False
ENSG0000019 WDFY2	0.742707	0.0250603	False
ENSG0000019 HNMT	0.742453	5.08E-08	False
ENSG0000016 MUC3A	0.742143	0.249175	False
ENSG0000018 BRICD5	0.742088	0.539811	False
ENSG0000016 PLCD3	0.741571	7.77E-11	False
ENSG0000020 ODAD4	0.740915	0.686028	False
ENSG0000020 LY6G5C	0.740569	0.559657	False
ENSG0000019 SPTBN5	0.740235	0.725927	False
ENSG0000014 TMEM25	0.73959	0.0285358	False



ENSG0000024 EGFL8	0.739506	0.140607	False
ENSG0000017 RDH10	0.739501	9.92E-10	False
ENSG0000018 CLCNKA	0.739375	0.693259	False
ENSG0000007 LMCD1	0.738983	0.249436	False
ENSG0000017 ACYP2	0.738465	0.0238805	False
ENSG0000014 EGFR	0.737835	2.54E-20	False
ENSG0000014 NICN1	0.73768	0.0333103	False
ENSG0000010 KLHL2	0.737152	5.72E-05	False
ENSG0000010 CSRNP2	0.736849	0.00049638	True
ENSG0000010 SH2B3	0.735526	0.180444	False
ENSG0000010 TBC1D9	0.734589	0.123764	False
ENSG0000010 CRISPLD2	0.733624	0.00161299	False
ENSG0000019 FSIP1	0.733036	0.521993	False
ENSG0000014 NYAP2	0.732358	1.99E-13	False
ENSG0000020 NYNRIN	0.732314	0.685484	True
ENSG0000014 HMCN1	0.73123	0.733196	False
ENSG0000009 DSP	0.730586	2.27E-18	False
ENSG0000018 CYP27C1	0.730487	0.695303	False
ENSG0000010 PDE11A	0.728415	0.861267	False
ENSG0000006 REEP1	0.72841	0.00036325	False
ENSG0000010 LUZP1	0.728075	2.60E-06	False
ENSG0000010 ZFAND4	0.727114	0.246646	False
ENSG0000010 STOX1	0.726931	0.474512	False
ENSG0000007 PRKCH	0.726433	0.00175118	False
ENSG0000018 ZNF875	0.726316	0.420959	False
ENSG0000014 TIFA	0.726243	6.59E-05	False
ENSG0000018 RAP2B	0.726189	2.57E-09	True
ENSG0000010 DUSP1	0.72616	7.29E-11	False
ENSG0000018 BBS12	0.725996	0.193364	False
ENSG0000010 TCP11L1	0.72593	0.0340565	False
ENSG0000010 TMEM190	0.725866	0.393688	False
ENSG0000010 PARP14	0.725134	1.32E-08	False
ENSG0000010 ZNF561	0.724631	0.00284819	True
ENSG0000009 SYNE2	0.724118	2.43E-06	False
ENSG0000020 F8A3	0.723937	3.84E-11	False
ENSG0000018 POLR2A	0.723553	0.525326	False
ENSG0000028 F8A2	0.72312	4.08E-11	False
ENSG0000014 MRPL49	0.722643	1.70E-10	True
ENSG0000018 ACOT1	0.722202	1.40E-05	False
ENSG0000010 SASH1	0.721654	6.87E-07	False
ENSG0000020 POU2AF3	0.72061	0.699398	False
ENSG0000010 RBPMS2	0.720335	0.0101464	False
ENSG0000018 CCDC157	0.71939	0.644008	False
ENSG0000019 NOCT	0.718017	0.419732	False
ENSG0000009 IL11	0.717696	6.84E-13	False
ENSG0000019 INPP5F	0.715089	0.00727672	False
ENSG0000010 F2RL1	0.715059	0.607316	False
ENSG0000010 LIFR	0.714815	0.0007016	False
ENSG0000010 ABCA2	0.713907	0.136765	False
ENSG0000018 ARHGFB37	0.713761	0.559858	False
ENSG0000010 ICOSLG	0.713459	0.0675946	True
ENSG0000018 ADSS1	0.713307	0.0490563	False

ENSG0000018 ADRA2C	0.712612	0.24909	False
ENSG0000014 ESR2	0.712506	0.606847	False
ENSG0000013 KRT7	0.712445	1.91E-11	False
ENSG0000006 GLP2R	0.711222	1.11E-10	False
ENSG0000016 IFI27L1	0.710651	0.00010786	False
ENSG0000011 AMOTL2	0.708533	9.98E-07	False
ENSG0000019 CD109	0.708463	1.17E-10	False
ENSG0000016 SCN9A	0.708385	0.217685	False
ENSG0000016 KALRN	0.708262	0.75375	False
ENSG0000008 COL4A4	0.706746	0.00097591	False
ENSG0000017 SLC25A20	0.706547	0.0165726	False
ENSG0000014 BTBD10	0.706244	4.14E-05	True
ENSG0000016 FZD6	0.705994	3.93E-07	False
ENSG0000013 NKX2-8	0.705873	0.0648945	False
ENSG0000017 TMEM134	0.705273	3.67E-06	False
ENSG0000011 CEP85L	0.70513	0.00462045	False
ENSG0000020 C4B	0.705101	0.650129	False
ENSG0000024 C4A	0.705101	0.650129	False
ENSG0000014 ADPRH	0.70497	0.51593	False
ENSG0000016 ASPG	0.704914	0.654697	False
ENSG0000019 CSRP1	0.704676	1.05E-16	False
ENSG0000017 APOBEC3B	0.70384	0.00022348	False
ENSG0000011 TCEANC2	0.703543	0.0693767	False
ENSG0000018 IDH2	0.703423	6.12E-07	False
ENSG0000013 CLSTN3	0.702647	0.517919	False
ENSG0000016 FBN1	0.702347	4.18E-12	False
ENSG0000013 ARHGEF4	0.702298	0.476087	False
ENSG0000007 MYO3B	0.702144	0.861739	False
ENSG0000014 STON2	0.701371	0.00024251	False
ENSG0000006 TM7SF3	0.700772	5.81E-18	True
ENSG0000011 FHL2	0.699886	4.74E-29	False
ENSG0000019 RADIL	0.699312	0.705149	False
ENSG0000019 ISL2	0.699102	0.449048	False
ENSG0000027 H3C10	0.698664	0.0535441	False
ENSG0000019 CTF1	0.698188	0.53289	False
ENSG0000013 MTRES1	0.696876	3.46E-07	False
ENSG0000016 TM4SF1	0.696678	3.28E-31	True
ENSG0000007 ACACB	0.696598	0.00083254	False
ENSG0000016 NDRG4	0.69649	0.543906	False
ENSG0000018 TNFAIP2	0.695875	5.67E-16	False
ENSG0000017 FOXD4	0.695412	0.542203	False
ENSG0000016 FAM149A	0.695023	0.226887	False
ENSG0000014 NEIL1	0.694823	0.209483	False
ENSG0000018 CAPS2	0.694215	0.310622	False
ENSG0000023 KIAA0040	0.694168	0.00181835	False
ENSG0000008 PTHLH	0.69416	0.333328	False
ENSG0000017 MARCHF3	0.6938	0.271874	False
ENSG0000016 EGFLAM	0.693163	0.0241969	False
ENSG0000019 ZNF441	0.693052	0.862193	False
ENSG0000014 CAMK2G	0.692992	0.00097107	False
ENSG0000016 GNPDA2	0.692979	0.00598152	False
ENSG0000017 HPSE	0.692067	0.128628	False

ENSG000001010001	DNASE1L2	0.692047	0.862281	False
ENSG000001010001	CCN3	0.69168	0.0395221	False
ENSG000001010001	TMEM86B	0.691287	0.625087	False
ENSG000001010001	DNAJC17	0.691106	0.421668	False
ENSG000001010001	MTURN	0.690999	6.07E-05	False
ENSG000002010001	LRRRC69	0.690962	0.792632	False
ENSG000002010001	KCNU1	0.690394	0.314463	False
ENSG000001010001	PCLO	0.690054	0.0245168	False
ENSG000001010001	BACE1	0.689941	1.57E-08	False
ENSG000001010001	IL6	0.688777	0.472402	False
ENSG000001010001	USP35	0.6882	0.325131	False
ENSG000001010001	APOBEC3A	0.687985	0.00031007	False
ENSG000001010001	TGFA	0.687044	0.0194425	True
ENSG000001010001	MEGF9	0.686295	0.0005248	False
ENSG000001010001	FAM114A1	0.685242	3.46E-07	False
ENSG000001010001	TAB3	0.684927	0.00825838	False
ENSG000001010001	SCRIB	0.684887	2.48E-11	True
ENSG000001010001	PANK1	0.684686	0.00149939	True
ENSG000000010001	P4HA2	0.683883	1.13E-15	False
ENSG000001010001	ALPG	0.683365	0.732345	False
ENSG000001010001	GSDMD	0.682526	0.545727	False
ENSG000001010001	NPHP4	0.681877	0.0870336	False
ENSG000001010001	STAT3	0.681584	1.00E-13	True
ENSG000001010001	FGD6	0.681542	0.3686	False
ENSG000001010001	CLEC18B	0.681529	0.872879	False
ENSG000001010001	MRAS	0.681503	0.00502573	False
ENSG000000010001	SIRT2	0.678145	0.00270543	False
ENSG000001010001	DAND5	0.67806	0.69084	False
ENSG000001010001	TMEM91	0.677798	0.741571	False
ENSG000001010001	PRRG2	0.677572	0.691132	True
ENSG000001010001	CERS5	0.677113	0.0002557	False
ENSG000001010001	RHBDL1	0.676689	0.519433	False
ENSG000001010001	AGRN	0.676616	2.60E-13	False
ENSG000001010001	STK38	0.675929	2.96E-09	False
ENSG000001010001	MEIG1	0.675431	0.795023	False
ENSG000000010001	MCOLN1	0.675031	0.529365	False
ENSG000001010001	C5	0.67486	0.00139735	False
ENSG000001010001	TIGD3	0.674184	0.2635	False
ENSG000001010001	NAA11	0.673845	0.0231454	False
ENSG000001010001	EGLN3	0.673796	0.190333	False
ENSG000001010001	PAQR7	0.673385	0.0109588	False
ENSG000001010001	GCHFR	0.673181	0.111541	False
ENSG000001010001	DHDH	0.672741	0.804347	False
ENSG000001010001	ACOT2	0.671617	7.99E-09	False
ENSG000001010001	GRHL1	0.671534	0.330877	False
ENSG000001010001	ZC2HC1C	0.670823	0.542203	False
ENSG000001010001	NKAIN3	0.670063	0.744226	False
ENSG000000010001	ABCB5	0.669923	0.734046	False
ENSG000000010001	CEP68	0.669287	0.00234513	False
ENSG000001010001	MMP14	0.669192	0.863293	False
ENSG000001010001	PLCH2	0.669192	0.863293	False
ENSG000001010001	HSFX1	0.669192	0.863293	False

ENSG00000206	HSFX2	0.669192	0.863293	False
ENSG00000106	FAM110B	0.669018	0.478226	False
ENSG00000106	FAM234A	0.668441	0.00233531	False
ENSG00000106	TNFAIP1	0.668379	1.94E-07	False
ENSG00000106	ECE1	0.668286	2.82E-15	False
ENSG00000106	FAM102A	0.668079	1.87E-05	False
ENSG00000106	SMIM14	0.667917	2.71E-05	False
ENSG00000108	MT1X	0.666726	0.0146482	False
ENSG00000206	MRPL23	0.666692	0.438257	False
ENSG00000106	FGD3	0.666675	0.737079	False
ENSG00000104	CTSK	0.666446	0.614214	False
ENSG00000109	RASGEF1A	0.665048	0.00073479	False
ENSG00000106	UXS1	0.664931	2.17E-08	False
ENSG00000009	LAMC2	0.663934	0.80115	False
ENSG00000104	CSRNP1	0.663195	2.17E-06	False
ENSG00000106	LACTB	0.663	2.32E-06	False
ENSG00000106	TRPV3	0.662513	0.73812	False
ENSG00000106	SDC2	0.662037	2.70E-15	False
ENSG00000109	MAP3K3	0.661673	5.97E-06	False
ENSG00000106	RHEBL1	0.661643	0.101704	False
ENSG00000006	CALCOCO1	0.661512	0.176004	False
ENSG00000006	WDR1	0.660459	3.38E-23	False
ENSG00000106	PIFO	0.660407	0.870098	False
ENSG00000106	FIBCD1	0.660407	0.870098	False
ENSG00000106	USP49	0.659916	0.039904	False
ENSG00000108	ZFP82	0.659792	0.87398	False
ENSG00000106	SMCO2	0.659792	0.87398	False
ENSG00000206	AKR7L	0.659703	0.447462	False
ENSG00000106	CTPS1	0.659537	1.99E-29	False
ENSG00000106	LMF2	0.65952	0.00011886	False
ENSG00000104	VLDLR	0.658645	0.369142	False
ENSG00000108	SOCS4	0.6582	1.33E-06	True
ENSG00000106	FRAS1	0.658044	0.0196817	False
ENSG00000109	PLXNB2	0.657889	0.00010597	True
ENSG00000106	MED20	0.657293	0.00031702	False
ENSG00000106	ATCAY	0.657108	0.704858	False
ENSG00000106	RASA4	0.656829	0.128161	False
ENSG00000106	HSPB7	0.656048	0.192399	False
ENSG00000109	RUNX1	0.656023	0.0607055	False
ENSG00000108	SLC25A21	0.655657	0.137373	False
ENSG00000009	RELT	0.654833	0.0540451	False
ENSG00000108	ZNF669	0.654232	0.426624	False
ENSG00000106	FAM98C	0.654049	0.00037758	True
ENSG00000106	STAT5A	0.653827	0.120452	False
ENSG00000206	ERCC6	0.653485	0.0232388	False
ENSG00000106	ZNFX1	0.652568	3.60E-12	False
ENSG00000106	CAMK2N2	0.651969	0.421092	False
ENSG00000106	MAP4K2	0.651825	0.00867329	False
ENSG00000106	DENND2C	0.651735	0.348426	False
ENSG00000106	B4GALNT3	0.651641	0.710844	False
ENSG00000108	DNER	0.65156	2.00E-18	False
ENSG00000106	CA2	0.651548	0.592502	False

ENSG000001: PRPF40B	0.65136	0.351562	False
ENSG000001: EPAS1	0.65119	4.25E-11	False
ENSG000000: NPFFR2	0.650787	0.876884	False
ENSG000001: WNT3A	0.650329	0.933334	False
ENSG000001: KMT5C	0.649214	1.65E-06	False
ENSG000001: PKD2	0.648753	0.0314702	False
ENSG000001: CHKB	0.648506	0.150255	False
ENSG000001: LIF	0.648466	0.468489	True
ENSG000001: KIAA0408	0.648421	0.876489	False
ENSG000002: CKMT1B	0.648399	0.87351	False
ENSG000001: OSR2	0.64839	0.023331	False
ENSG000001: ACTA2	0.648316	8.87E-09	True
ENSG000001: GREB1	0.648239	0.533603	True
ENSG000002: SMIM38	0.6474	0.660808	False
ENSG000001: TTLL1	0.647391	0.87351	False
ENSG000001: ZNF665	0.647391	0.87351	False
ENSG000001: SLC35G2	0.647046	0.022055	False
ENSG000001: PLPP3	0.64577	0.294457	False
ENSG000001: BMP6	0.645614	9.75E-05	False
ENSG000001: TCTA	0.645403	0.0435465	False
ENSG000000: FNDC3B	0.64518	8.00E-08	False
ENSG000001: CASP7	0.644366	4.09E-08	False
ENSG000001: PTPRB	0.643987	0.620702	False
ENSG000001: TMOD2	0.643972	0.242209	False
ENSG000001: PGAP6	0.643293	2.02E-05	False
ENSG000001: FDX1	0.643084	7.48E-08	False
ENSG000001: MINDY2	0.642965	1.97E-05	False
ENSG000001: TMTC3	0.64293	5.96E-14	False
ENSG000001: ZNF699	0.641846	0.578086	False
ENSG000001: JCAD	0.641318	0.829117	False
ENSG000001: OTUD1	0.641133	0.146214	False
ENSG000001: CENPP	0.641012	0.00421402	False
ENSG000001: FUCA1	0.640185	0.0182804	True
ENSG000001: PCSK7	0.640058	0.121194	False
ENSG000000: MLXIPL	0.6394	0.153346	False
ENSG000001: TST	0.639101	0.00282125	False
ENSG000001: ZNF778	0.638904	0.0989397	False
ENSG000000: BCAS1	0.638872	0.874745	False
ENSG000001: RAB23	0.63848	0.00057815	False
ENSG000002: MARCOL	0.637608	0.528662	False
ENSG000001: SENP8	0.637472	0.224711	False
ENSG000001: TLR6	0.637164	0.135965	False
ENSG000001: CPLANE1	0.637161	0.00021267	False
ENSG000001: SEPTIN8	0.636807	9.53E-18	False
ENSG000002: SRA1	0.63639	2.40E-06	True
ENSG000001: CAPN10	0.63623	0.288856	False
ENSG000001: TMEM59L	0.636164	0.265603	False
ENSG000001: HADH	0.635306	9.58E-11	False
ENSG000001: FAM8A1	0.634936	5.28E-05	False
ENSG000001: ACSS2	0.634414	0.09836	False
ENSG000000: SYDE2	0.634044	0.388659	False
ENSG000001: ELOVL7	0.633966	0.102876	False

ENSG0000017	NT5DC1	0.633869	4.01E-08	False
ENSG0000021	SPINK13	0.633708	0.002285	False
ENSG0000000	DAPK2	0.633695	0.6191	False
ENSG0000018	FOXD4L1	0.633675	0.595038	False
ENSG0000017	BTN2A2	0.633608	0.40479	False
ENSG0000011	COL9A1	0.632575	0.361244	False
ENSG0000019	COL13A1	0.631847	0.724189	False
ENSG0000004	KITLG	0.631379	0.00191109	False
ENSG0000014	FHAD1	0.630797	0.313255	False
ENSG0000000	TULP3	0.630283	1.09E-08	False
ENSG0000014	TLNRD1	0.630108	9.70E-07	False
ENSG0000011	OAS3	0.629136	0.00021144	False
ENSG0000016	ZNF646	0.628343	0.240744	False
ENSG0000019	RUSC2	0.628149	0.0427183	False
ENSG0000016	ANTXR2	0.628107	0.530568	False
ENSG0000016	CLDND2	0.627964	0.584164	False
ENSG0000010	COL1A1	0.62784	5.80E-51	False
ENSG0000002	SIPA1	0.626869	0.202429	False
ENSG0000011	TEP1	0.626357	0.0899382	False
ENSG0000002	MYZAP	0.625259	0.7043	False
ENSG0000018	USP18	0.624922	0.0239608	False
ENSG0000014	PLIN2	0.623083	0.00024727	False
ENSG0000014	NOTCH1	0.622639	2.66E-05	True
ENSG0000010	PRPS2	0.621406	3.42E-09	False
ENSG0000011	MATN2	0.621243	0.0920243	False
ENSG0000016	MPZL3	0.620697	0.151924	False
ENSG0000011	IER3	0.618854	2.39E-23	True
ENSG0000010	JAK3	0.618663	0.776531	False
ENSG0000011	CBLN3	0.618327	0.594886	False
ENSG0000019	NUP62CL	0.618203	0.0656362	False
ENSG0000000	BAIAP2L1	0.618042	8.25E-07	False
ENSG0000002	FBXO48	0.617946	0.181411	False
ENSG0000011	MSRA	0.617212	0.0305309	False
ENSG0000014	C1QTNF2	0.617026	0.520781	False
ENSG0000002	DND1	0.61643	0.530309	False
ENSG0000014	C1orf56	0.616418	0.181253	False
ENSG0000011	CIART	0.616312	0.879057	False
ENSG0000019	SLC5A3	0.616218	1.71E-06	False
ENSG0000011	DOK7	0.615713	0.173285	False
ENSG0000019	TAFA2	0.615029	0.539033	False
ENSG0000011	CCNG1	0.615021	1.34E-12	True
ENSG0000019	APRT	0.613726	1.55E-05	False
ENSG0000011	EHD1	0.613422	2.48E-07	False
ENSG0000014	HMGCLL1	0.612942	0.48698	False
ENSG0000016	PRKCB	0.612608	0.885416	False
ENSG0000000	EFR3B	0.612092	0.281363	False
ENSG0000011	ITGA7	0.611884	0.714704	False
ENSG0000016	SERINC5	0.611653	0.0718797	False
ENSG0000000	TXNDC16	0.611341	0.0867467	False
ENSG0000019	LAMB3	0.610892	0.0676709	False
ENSG0000016	CDKN2AIP	0.610208	5.64E-08	True
ENSG0000010	AK1	0.609907	1.86E-05	True

ENSG000001: RASA4B	0.609546	0.144737	False
ENSG000000: EML1	0.609278	0.00663045	False
ENSG000001: CUEDC2	0.609175	0.00745853	False
ENSG000001: HROB	0.608239	0.146689	False
ENSG000001: MYO18A	0.607799	0.00845389	False
ENSG000001: TMEM131L	0.607768	1.17E-05	False
ENSG000001: GBE1	0.607706	8.19E-13	True
ENSG000002: P3R3URF-PIK3	0.607684	0.483759	False
ENSG000001: SLC16A10	0.607257	0.0405684	False
ENSG000001: ARAP1	0.606795	1.31E-05	True
ENSG000001: ABCB6	0.605853	1.92E-10	True
ENSG000000: OSBPL5	0.605734	0.0351836	False
ENSG000001: METTL8	0.605403	3.00E-06	False
ENSG000001: FBXW7	0.604703	7.33E-05	True
ENSG000001: PRDM8	0.604635	0.887836	False
ENSG000001: SLC2A11	0.603848	0.0326905	False
ENSG000001: TMEM104	0.603219	0.0259587	False
ENSG000001: STAT2	0.603049	0.00609453	False
ENSG000001: MET	0.602768	2.03E-08	False
ENSG000001: RSPH1	0.602492	0.888366	False
ENSG000001: GPR158	0.602179	0.536343	False
ENSG000001: RBM24	0.601516	0.30133	False
ENSG000001: NAV2	0.600985	7.87E-07	False
ENSG000001: ABCG2	0.600487	0.480409	False
ENSG000001: SPRY2	0.59982	0.142796	False
ENSG000002: ZDBF2	0.599804	0.00012121	False
ENSG000001: ANTXR1	0.599746	1.00E-07	False
ENSG000001: NAGK	0.599489	0.00870909	False
ENSG000001: PLSCR3	0.599017	0.00083874	False
ENSG000001: HSD17B1	0.598489	0.632875	False
ENSG000000: TIGAR	0.597216	7.24E-07	True
ENSG000001: MAFF	0.597048	0.175769	False
ENSG000000: REXO5	0.596554	0.0561624	False
ENSG000001: METTL7A	0.596023	0.00093084	False
ENSG000001: DST	0.595851	3.14E-05	False
ENSG000001: SGCB	0.595708	8.09E-08	False
ENSG000001: PPP2R2D	0.595559	0.00028964	False
ENSG000000: IL32	0.595387	7.39E-13	False
ENSG000001: CFAP53	0.594982	0.457583	False
ENSG000001: C6orf89	0.594334	1.98E-10	False
ENSG000001: VMAC	0.594107	0.821373	False
ENSG000001: AMER1	0.592696	0.00082569	False
ENSG000000: WWTR1	0.59203	1.63E-07	False
ENSG000001: TNFRSF10A	0.591906	5.19E-08	True
ENSG000001: DSE	0.591888	0.00024727	False
ENSG000002: LTB4R	0.591723	0.171922	False
ENSG000001: CYP11A1	0.591579	0.774487	False
ENSG000002: TMEM256-PL5	0.5908	0.00084286	False
ENSG000001: KIF21B	0.590634	0.399692	False
ENSG000002: ITGA1	0.590169	3.40E-06	False
ENSG000000: CDKL3	0.589685	0.56654	False
ENSG000002: RGL3	0.589662	0.11535	False

ENSG0000014	MINK1	0.589541	0.218893	False
ENSG0000016	IQCD	0.589212	0.84362	False
ENSG0000017	CITED4	0.589051	0.00277652	False
ENSG0000019	KIF13B	0.588655	0.146771	True
ENSG0000010	MPP2	0.588655	0.147319	False
ENSG0000017	TICAM1	0.58743	0.0009065	False
ENSG0000017	NCOA7	0.587085	3.05E-21	False
ENSG0000010	KAZALD1	0.586357	0.0679047	False
ENSG0000018	ANKRD18A	0.585262	0.00801865	False
ENSG0000017	AKAP7	0.585069	0.0113833	False
ENSG0000007	FRYL	0.584904	0.00364204	False
ENSG0000010	TUBB4A	0.584751	0.514438	False
ENSG0000018	MAPK11	0.58434	0.320708	False
ENSG0000016	SH2B2	0.584031	0.666107	False
ENSG0000017	HEG1	0.583929	4.99E-09	False
ENSG0000008	ARHGAP28	0.583437	0.462913	False
ENSG0000017	TRIM38	0.583402	0.0139316	False
ENSG0000016	MAPK7	0.583321	0.209236	False
ENSG0000027	H2AC14	0.583076	0.391224	False
ENSG0000018	BTBD8	0.582961	0.765799	False
ENSG0000017	REP15	0.582184	0.557223	False
ENSG0000017	P4HTM	0.582095	0.0114033	False
ENSG0000017	EPB41L5	0.582025	0.166878	False
ENSG0000007	PCM1	0.581693	1.71E-11	False
ENSG0000007	ALPK1	0.581621	0.499517	False
ENSG0000024	FMN1	0.581521	0.754755	False
ENSG0000009	EFNA2	0.580564	0.153726	False
ENSG0000018	ZDHHC11	0.58028	0.0925321	False
ENSG0000017	FBN2	0.580105	0.00011402	True
ENSG0000017	TMEM30A	0.578744	2.07E-15	False
ENSG0000006	LIMCH1	0.578534	3.68E-26	False
ENSG0000017	SRD5A3	0.578519	0.00529703	False
ENSG0000017	PIWIL1	0.578433	0.805218	False
ENSG0000016	MOCS2	0.577899	3.73E-06	False
ENSG0000010	NFKBIA	0.577671	2.01E-18	False
ENSG0000009	CRAT	0.576702	0.0523701	False
ENSG0000014	ATP10D	0.576417	0.0416764	False
ENSG0000017	KCNMB4	0.575827	0.380376	False
ENSG0000029	POC1B-GALNT	0.575622	0.195517	False
ENSG0000029	GALNT4	0.575622	0.195517	False
ENSG0000017	ERN1	0.575292	0.206728	False
ENSG0000017	TLL9	0.57468	0.760865	False
ENSG0000010	TIMP1	0.574352	5.22E-07	False
ENSG0000017	CUL9	0.574351	0.243883	False
ENSG0000017	CREBL2	0.574031	8.24E-07	False
ENSG0000017	ATAT1	0.573832	0.0449465	False
ENSG0000017	RAB11FIP4	0.573799	0.605346	False
ENSG0000017	CAVIN4	0.57263	0.580173	False
ENSG0000019	EDNRA	0.572317	0.140232	False
ENSG0000019	ITSN2	0.571767	0.00029161	False
ENSG0000029	P2RX5-TAX1B	0.571136	2.00E-06	False
ENSG0000010	SLC9A3R1	0.571127	0.00511872	False



ENSG0000018 RALGAPA2	0.571046	0.16493	False
ENSG0000016 GBX2	0.569524	0.500164	False
ENSG0000017 MCTP1	0.568448	0.00063381	False
ENSG0000013 PCNA	0.568382	1.05E-16	True
ENSG0000016 SPOCK2	0.568319	0.591492	False
ENSG0000017 KRCC1	0.568252	0.103226	False
ENSG0000014 DUSP11	0.568241	3.83E-06	False
ENSG0000006 FECH	0.568072	3.05E-05	False
ENSG0000018 ROBO2	0.567783	0.692293	False
ENSG0000018 CRELD2	0.567769	1.61E-09	False
ENSG0000008 GPATCH2L	0.56749	1.50E-06	False
ENSG0000016 FAM111A	0.567204	0.0966963	False
ENSG0000016 ZBTB8A	0.56693	1.16E-06	False
ENSG0000019 PI4K2A	0.566823	0.00765503	False
ENSG0000016 WDR81	0.566809	0.282209	True
ENSG0000013 CDH24	0.566572	0.43745	False
ENSG0000018 TSPAN10	0.566511	0.574537	False
ENSG0000016 COL3A1	0.565755	3.18E-24	False
ENSG0000004 HDAC9	0.565714	0.731613	False
ENSG0000017 ADGRG6	0.564925	1.29E-07	False
ENSG0000020 NEU1	0.564891	7.47E-07	False
ENSG0000018 FBF1	0.564883	0.262126	False
ENSG0000019 PINK1	0.564855	1.28E-07	False
ENSG0000017 NAT1	0.564348	0.0272203	False
ENSG0000016 RAPGEF2	0.563651	0.0240319	False
ENSG0000023 TRIM26	0.563463	0.00043898	False
ENSG0000019 DMTN	0.563073	0.225261	False
ENSG0000016 KDM1B	0.562633	0.134721	False
ENSG0000016 MRNIP	0.56262	0.00265927	False
ENSG0000014 TPBG	0.562363	0.142257	False
ENSG0000008 MECOM	0.561713	0.00269659	False
ENSG0000024 ARFGAP3	0.561414	0.00068244	False
ENSG0000003 ASTE1	0.560347	0.102523	False
ENSG0000006 PPP2R5B	0.560164	0.171756	False
ENSG0000016 C15orf48	0.559937	0.821919	False
ENSG0000018 PHLDA2	0.559647	1.33E-19	False
ENSG0000019 GRAMD2B	0.559402	0.00050271	False
ENSG0000019 H2BC5	0.559106	0.0560487	False
ENSG0000017 MUC13	0.558705	3.83E-05	False
ENSG0000016 CBX7	0.55828	0.212609	False
ENSG0000019 CFAP210	0.558074	0.699018	False
ENSG0000017 CCS	0.557646	0.0688875	False
ENSG0000013 PTPRE	0.557295	0.349882	True
ENSG0000018 CLCNKB	0.557035	0.667606	False
ENSG0000016 ATF5	0.556568	0.00074247	False
ENSG0000023 NCKIPSD	0.55627	0.0408791	False
ENSG0000023 CEBPZOS	0.555716	5.53E-07	False
ENSG0000007 MBNL3	0.55543	7.96E-06	False
ENSG0000016 DBF4B	0.555168	0.551938	False
ENSG0000017 BBS2	0.554821	0.00015088	True
ENSG0000014 IL17RD	0.554439	0.2311	False
ENSG0000003 GRN	0.554311	1.22E-10	False

ENSG0000019SZT2	0.554088	0.274085	False
ENSG0000018TMPPE	0.554031	0.721405	False
ENSG0000010RIC1	0.55402	0.00131523	False
ENSG0000017TCIM	0.553305	2.25E-11	False
ENSG0000019GPATCH11	0.553011	0.007838	False
ENSG0000017RNF213	0.552913	7.60E-06	False
ENSG0000010RND3	0.552527	0.0005127	False
ENSG0000010DDIT4	0.552147	1.68E-11	True
ENSG0000018ZBTB3	0.552119	0.401431	False
ENSG0000018ZP3	0.551877	0.0268303	False
ENSG0000013RALGPS1	0.551557	0.348022	False
ENSG0000010ZFP36	0.551084	0.322847	False
ENSG0000008CDC14B	0.550636	0.187034	False
ENSG0000000TNK2	0.55062	0.0568858	False
ENSG0000018KIAA2026	0.550508	0.00044561	False
ENSG0000000RUFY3	0.550409	0.00613925	False
ENSG0000000HAGH	0.55017	1.69E-05	False
ENSG0000000STXBP2	0.549683	0.683418	False
ENSG0000010TUBA4A	0.549499	6.02E-26	False
ENSG0000010FGD1	0.549309	0.633348	False
ENSG0000013ARHGAP29	0.54848	0.0291751	False
ENSG0000004WWC3	0.548305	8.04E-05	False
ENSG0000019TPK1	0.548203	0.310653	False
ENSG0000018PDZD7	0.547852	0.82074	False
ENSG0000014POMZP3	0.547587	0.0254706	False
ENSG0000010SERPINB8	0.547414	0.322958	False
ENSG0000010GRK4	0.547292	0.0678934	False
ENSG0000010ELFN2	0.547281	0.105985	False
ENSG0000017ZNF318	0.54703	3.84E-05	False
ENSG0000010ASCC3	0.546551	3.94E-11	True
ENSG0000010CITED2	0.546281	0.0274401	False
ENSG0000002CCDC7	0.546047	0.620934	False
ENSG0000010PITX2	0.545609	0.21544	False
ENSG0000010ECHDC3	0.545512	0.691452	False
ENSG0000009HDAC6	0.54508	0.0168759	False
ENSG0000010APOL2	0.544361	0.0104254	False
ENSG0000019TPM2	0.544271	2.76E-12	False
ENSG0000002TAX1BP3	0.544114	2.95E-08	True
ENSG0000010SNPH	0.54403	0.663492	False
ENSG0000010ACOX1	0.543214	5.06E-05	False
ENSG0000019MT-ND6	0.54307	0.00026284	False
ENSG0000013RDH5	0.543034	0.694751	False
ENSG0000014CELSR2	0.542512	0.0353	False
ENSG0000010SRPX	0.542376	0.0244752	False
ENSG0000019GDF6	0.542356	0.73197	False
ENSG0000018C3orf62	0.541965	0.186632	False
ENSG0000013HERC6	0.541527	0.439788	False
ENSG0000010TCIRG1	0.541271	0.212036	False
ENSG0000009PLEKHH1	0.541041	0.465649	False
ENSG0000013MTO1	0.541019	0.00048103	False
ENSG0000000SAMD4A	0.540596	0.0298771	False
ENSG0000000LYPLA2	0.540511	2.00E-06	False

ENSG0000014 DOP1B	0.540372	0.244107	False
ENSG0000000 TEAD3	0.540097	0.0010886	True
ENSG0000014 TPM1	0.539582	3.51E-21	False
ENSG0000010 SLAIN2	0.53951	0.00014166	False
ENSG0000017 NABP1	0.539428	0.00030642	False
ENSG0000014 HSPG2	0.539357	0.00832817	False
ENSG0000010 CCM2L	0.538912	0.878044	False
ENSG0000027 FOXD4L6	0.538777	0.662864	False
ENSG0000018 FOXD4L3	0.538777	0.662864	False
ENSG0000010 ANKRD26	0.538128	0.00092423	False
ENSG0000010 CHIC2	0.538018	0.205286	False
ENSG0000010 LSR	0.538	0.0748907	False
ENSG0000010 CLIP2	0.537914	0.470179	False
ENSG0000019 TECPR2	0.537855	0.00276299	False
ENSG0000000 NTN1	0.537837	0.408908	False
ENSG0000009 PCBP4	0.537797	8.92E-06	False
ENSG0000018 MAOA	0.537679	0.737811	False
ENSG0000008 KLHL42	0.537219	1.29E-06	False
ENSG0000010 CNNM3	0.537172	0.00100988	False
ENSG0000020 RASSF5	0.537075	0.274658	False
ENSG0000020 FOXD4L5	0.535513	0.762363	False
ENSG0000014 CEP78	0.535333	1.42E-06	False
ENSG0000020 CRYGS	0.534846	0.202472	False
ENSG0000010 SPRY1	0.534773	0.471588	False
ENSG0000000 MAN2B2	0.534429	0.00197626	False
ENSG0000010 PCNX2	0.534143	0.0422674	False
ENSG0000010 DTX3	0.533901	0.0815541	False
ENSG0000014 XPR1	0.533896	3.69E-05	False
ENSG0000014 GALNT1	0.533848	1.38E-07	False
ENSG0000019 FAT4	0.533683	0.460169	False
ENSG0000010 TUSC2	0.533571	5.79E-08	False
ENSG0000010 COL4A2	0.533564	8.51E-19	False
ENSG0000010 STRIP2	0.533504	0.146815	False
ENSG0000010 PHF11	0.53268	0.0869924	False
ENSG0000020 PTGES3L	0.532512	0.116566	False
ENSG0000010 IFI27L2	0.532469	0.2112	False
ENSG0000010 DNAJC22	0.532097	0.119604	False
ENSG0000020 TBC1D8	0.53109	0.154188	False
ENSG0000010 SORCS1	0.530627	0.879723	False
ENSG0000010 MUTYH	0.530408	0.355005	False
ENSG0000020 ZNF814	0.530137	0.77644	False
ENSG0000010 PLEKHA1	0.529804	0.00049029	False
ENSG0000000 PRKACA	0.528991	3.30E-07	False
ENSG0000008 MLF2	0.528808	1.45E-06	True
ENSG0000010 ZBTB7B	0.52801	0.234052	False
ENSG0000010 GLIPR1	0.527646	9.29E-06	False
ENSG0000008 HACE1	0.527411	0.0853115	False
ENSG0000010 SLC46A3	0.5266	0.46415	False
ENSG0000020 DHRS11	0.526087	0.346747	False
ENSG0000010 ADAMTS15	0.525996	0.516362	False
ENSG0000018 ZNF445	0.525695	0.0012835	False
ENSG0000010 ATG2A	0.525633	0.00333523	False

ENSG000001: BTG1	0.525403	1.40E-09	True
ENSG000001: EDIL3	0.5253	8.39E-09	False
ENSG000002: WBP1	0.524922	0.00664957	False
ENSG000002: CCPG1	0.523887	5.90E-07	False
ENSG000001: PDE5A	0.523448	0.519022	False
ENSG000001: CACFD1	0.522062	0.397854	False
ENSG000001: ZMAT1	0.521269	0.536188	False
ENSG000001: OCIAD2	0.520984	0.0162038	False
ENSG000001: SPINK1	0.520551	0.876556	False
ENSG000001: ITGA5	0.520508	0.288572	False
ENSG000001: CHST6	0.519797	0.660284	False
ENSG000001: KCNK3	0.519571	0.670492	False
ENSG000002: HLA-A	0.519116	2.21E-14	False
ENSG000001: DNAL4	0.519001	0.136186	False
ENSG000001: MELTF	0.518841	0.0188951	False
ENSG000001: TMEM51	0.518803	0.0619674	False
ENSG000001: TGFBRAP1	0.518485	0.0102414	False
ENSG000001: TAPT1	0.518022	0.00067453	False
ENSG000001: XKR8	0.517641	0.734046	False
ENSG000000: IP6K2	0.517598	2.97E-05	True
ENSG000001: C2	0.517544	0.881025	False
ENSG000001: LRPAP1	0.517368	9.61E-13	True
ENSG000000: VASH1	0.517161	0.259889	False
ENSG000001: WWC1	0.517158	2.95E-05	False
ENSG000001: NTNG2	0.515335	0.842064	False
ENSG000001: LHFPL2	0.515316	0.016476	False
ENSG000001: ATP6V1D	0.515283	1.59E-05	False
ENSG000001: MACROD2	0.515282	0.401358	False
ENSG000001: TUBB2A	0.515002	1.91E-06	False
ENSG000000: MAST3	0.514926	0.444811	False
ENSG000001: SHROOM1	0.514432	3.67E-06	False
ENSG000001: TRIOBP	0.514233	1.95E-06	False
ENSG000002: KCTD7	0.514191	0.0120223	False
ENSG000001: EIF2AK3	0.513903	0.0142656	False
ENSG000001: CAMK4	0.513862	0.026631	False
ENSG000001: NXPE3	0.513433	1.04E-05	False
ENSG000001: KLF2	0.512994	0.102876	False
ENSG000001: TOR4A	0.512773	0.00313175	False
ENSG000001: CEP120	0.511555	0.00052279	False
ENSG000001: CDKN2B	0.511417	9.55E-05	True
ENSG000000: CLTCL1	0.511191	0.15613	False
ENSG000001: NRIP3	0.511072	0.0129505	False
ENSG000001: PBLD	0.510627	0.598141	True
ENSG000001: AHI1	0.510577	3.00E-08	False
ENSG000001: ANKRD36C	0.510491	1.11E-05	False
ENSG000001: SPINK5	0.510393	0.00082055	False
ENSG000000: SLC8B1	0.510333	0.376475	False
ENSG000002: PI4KA	0.510216	0.00205283	False
ENSG000001: ANXA1	0.510155	2.32E-10	False
ENSG000001: POC1B	0.510103	0.00083191	False
ENSG000001: PHF1	0.509615	0.0995311	False
ENSG000001: TUFT1	0.509368	4.93E-07	False

ENSG000001: MEA1	0.509226	1.88E-07	False
ENSG000001: ING4	0.50902	0.181398	False
ENSG000001: TMPRSS3	0.508666	0.0361897	False
ENSG000000: IKZF2	0.508582	0.329272	False
ENSG000001: PTBP3	0.508334	3.02E-16	False
ENSG000001: FBLN5	0.508085	0.00041441	False
ENSG000000: LAMA3	0.507893	0.481065	False
ENSG000001: IRX5	0.507703	0.0923567	False
ENSG000001: CABLES2	0.507639	0.0373984	False
ENSG000002: TMEM141	0.507461	6.12E-05	False
ENSG000000: NLK	0.507317	0.0572393	False
ENSG000001: KREMEN1	0.507108	0.369994	False
ENSG000001: CTC1	0.506751	0.188659	False
ENSG000001: COL14A1	0.506645	0.729706	False
ENSG000001: FRS2	0.506565	0.00394152	False
ENSG000001: PPP1R18	0.506249	9.47E-06	False
ENSG000001: AP2A1	0.50578	0.37586	False
ENSG000001: ZNF792	0.505755	0.551934	False
ENSG000001: C18orf32	0.505545	0.0002173	False
ENSG000000: EFHC1	0.505285	0.0993198	False
ENSG000001: SLC25A42	0.505268	0.042554	False
ENSG000000: SYT1	0.504867	0.770474	False
ENSG000002: SPDYE18	0.504558	0.79838	False
ENSG000001: ALAD	0.504518	0.0909725	False
ENSG000001: STX6	0.504405	0.00010036	True
ENSG000001: TESK1	0.504266	0.520407	False
ENSG000001: ESAM	0.504086	0.218935	False
ENSG000002: FMC1-LUC7L2	0.503914	0.0168803	False
ENSG000001: EXTL2	0.503779	0.0418217	False
ENSG000001: BNIPL	0.503521	0.716897	False
ENSG000001: IGIP	0.503491	0.373407	False
ENSG000002: FAM200B	0.503003	1.11E-05	False
ENSG000001: LRRC57	0.502983	0.0247997	False
ENSG000002: TAPBP	0.502903	5.98E-09	False
ENSG000002: AK4P3	0.502873	0.061828	False
ENSG000001: TTC30A	0.502784	0.36249	False
ENSG000001: TMEM243	0.502709	0.0619868	True
ENSG000000: MTMR11	0.502559	0.477454	False
ENSG000001: MEGF6	0.502213	0.00409638	False
ENSG000001: BACH2	0.502098	0.0991306	False
ENSG000001: PXDC1	0.502066	0.0830424	False
ENSG000000: FAM76A	0.501963	0.0625922	False
ENSG000001: SIX1	0.501782	0.0006008	False
ENSG000001: ZNF782	0.501759	0.573528	False
ENSG000000: FGFR1	0.501568	8.22E-05	False
ENSG000001: ZFYVE21	0.501446	3.00E-05	False
ENSG000001: RFNG	0.501248	0.195663	False
ENSG000001: SYDE1	0.501239	0.00577127	False
ENSG000001: CNTNAP1	0.501003	0.031263	False
ENSG000001: MAN1A2	0.500879	1.98E-11	False
ENSG000001: PIK3R1	0.500844	0.0126615	False
ENSG000001: SELENON	0.499944	0.228246	False



ENSG0000018 TRAK1	0.485804	0.0351836	False
ENSG0000018 FAAP100	0.485314	0.133521	False
ENSG0000018 MXD4	0.485288	0.00071125	True
ENSG0000018 HEY2	0.485258	0.66526	False
ENSG0000018 FAM161B	0.485121	0.675879	False
ENSG0000008 APBA3	0.484927	0.0900233	False
ENSG0000018 STBD1	0.484794	0.052675	False
ENSG0000008 TSPOAP1	0.484719	0.441269	False
ENSG0000018 STXBP6	0.484179	0.830604	False
ENSG0000008 CDH3	0.484019	0.891565	False
ENSG0000008 SMG6	0.483943	0.0965994	False
ENSG0000018 RALGAPB	0.483898	0.00020403	True
ENSG0000008 BMAL2	0.483609	0.0587217	False
ENSG0000018 DHRS7	0.483395	0.0039004	False
ENSG0000018 AFF1	0.48314	0.464809	False
ENSG0000008 SEC61A1	0.483058	2.45E-06	True
ENSG0000018 ADAM23	0.483052	0.74712	False
ENSG0000028 C11orf91	0.482588	0.63933	False
ENSG0000018 ADAMTS4	0.482578	0.835179	False
ENSG0000018 STIM2	0.482413	0.00274434	False
ENSG0000018 GRK3	0.482358	0.378006	False
ENSG0000018 GJC2	0.482285	0.743391	False
ENSG0000018 HIP1R	0.482279	0.333881	False
ENSG0000018 SOS2	0.482212	0.0399501	False
ENSG0000018 WFS1	0.482097	0.174603	False
ENSG0000018 SAMM50	0.481587	1.61E-05	False
ENSG0000018 TMCC2	0.481064	0.262589	False
ENSG0000018 GALNT12	0.480918	0.608059	False
ENSG0000018 IGF1R	0.480698	1.61E-11	False
ENSG0000008 MAP2K3	0.480458	1.43E-05	False
ENSG0000028 TREX1	0.48003	0.294127	False
ENSG0000018 BBLN	0.480003	0.539487	False
ENSG0000018 TRIAP1	0.479976	3.46E-12	True
ENSG0000008 AGO1	0.479936	0.00099923	False
ENSG0000008 POLA2	0.479428	0.00083576	False
ENSG0000008 LPAR2	0.479379	0.476635	False
ENSG0000018 SYNPO2	0.479255	0.608249	False
ENSG0000018 MMUT	0.478855	0.00236102	False
ENSG0000018 GSS	0.478854	0.00013377	True
ENSG0000018 PYGB	0.478598	0.113517	False
ENSG0000018 DCUN1D3	0.478355	0.228981	False
ENSG0000018 MTUS2	0.478149	0.88817	False
ENSG0000018 SLIT1	0.477338	0.885416	False
ENSG0000018 ABTB1	0.476971	0.712645	False
ENSG0000018 PPM1K	0.476777	0.0682187	False
ENSG0000008 AKR7A2	0.476751	9.69E-05	False
ENSG0000018 NLGN2	0.476605	0.0500837	False
ENSG0000018 ALDH1B1	0.476571	6.94E-06	False
ENSG0000008 NRXN3	0.476555	0.57782	False
ENSG0000018 OPLAH	0.476443	0.393208	False
ENSG0000018 POMGNT2	0.47607	0.00465202	False
ENSG0000008 GABARAPL2	0.475543	1.09E-09	True

ENSG0000027	H2AC8	0.475491	0.29288	False
ENSG0000017	TLR1	0.475212	0.757205	False
ENSG0000019	TMOD1	0.474693	0.400875	False
ENSG0000004	CLPTM1L	0.474537	2.58E-26	False
ENSG0000019	NEK11	0.47422	0.718768	False
ENSG0000004	SLC66A1	0.474201	0.480249	False
ENSG0000016	SPIDR	0.47417	0.132018	False
ENSG0000019	CCDC122	0.474144	0.489035	False
ENSG0000019	GNAI2	0.474079	1.62E-05	False
ENSG0000019	TNS2	0.473919	0.0478576	False
ENSG0000018	BTBD9	0.473763	0.353881	False
ENSG0000014	SIDT2	0.473524	0.148427	False
ENSG0000016	SYAP1	0.473203	7.41E-14	False
ENSG0000018	GSAP	0.47317	0.766023	False
ENSG0000017	EPHX4	0.472965	0.67173	False
ENSG0000008	USP40	0.472817	0.0157501	False
ENSG0000017	GOLGB1	0.472762	6.07E-06	False
ENSG0000019	CLIP1	0.47275	2.30E-08	False
ENSG0000024	TNFSF12-TNFS	0.472421	0.345778	False
ENSG0000016	TNFSF13	0.472421	0.345778	False
ENSG0000019	GCOM1	0.472266	0.540197	False
ENSG0000019	IPMK	0.4722	0.00328136	False
ENSG0000014	TTC12	0.471819	0.541799	False
ENSG0000016	ZNF503	0.471446	0.00042381	False
ENSG0000019	NPAS1	0.471399	0.890809	False
ENSG0000018	CERKL	0.471395	0.829705	False
ENSG0000018	NEMP2	0.471174	0.14505	False
ENSG0000019	MAP3K10	0.471012	0.611266	False
ENSG0000019	H3C4	0.47074	0.481117	False
ENSG0000016	GF11	0.470652	0.299308	False
ENSG0000019	NAB1	0.470277	0.0136613	False
ENSG0000016	CPD	0.470255	1.80E-06	False
ENSG0000016	CNTNAP3	0.469776	0.142257	False
ENSG0000019	SEC31A	0.469772	2.95E-08	False
ENSG0000016	CASP3	0.469751	0.042583	False
ENSG0000017	RASGRP1	0.469702	0.504542	False
ENSG0000019	CNOT6L	0.469604	7.65E-05	False
ENSG0000019	MYB	0.468912	0.162121	False
ENSG0000016	NDST2	0.46869	0.180949	False
ENSG0000009	CCNK	0.468631	0.00012524	True
ENSG0000019	PHC1	0.467664	0.162944	False
ENSG0000017	TPST2	0.467524	0.272989	False
ENSG0000009	MXD1	0.46739	0.077962	True
ENSG0000009	SNAI2	0.467311	0.0173192	False
ENSG0000029	INAFM1	0.467021	0.41558	False
ENSG0000016	RIGI	0.466896	0.223612	False
ENSG0000019	LNPEP	0.466846	0.00014853	True
ENSG0000019	ULBP1	0.466766	0.540197	False
ENSG0000016	ARHGEF3	0.466698	0.0149762	False
ENSG0000017	OPTN	0.466558	1.23E-05	False
ENSG0000016	FMNL3	0.466127	0.144798	False
ENSG0000008	HSPB11	0.465215	2.29E-06	False



ENSG00000008	MOK	0.465208	0.110917	False
ENSG00000014	RHOB	0.465152	0.00465233	False
ENSG00000019	FICD	0.465129	0.488217	False
ENSG00000018	CAPN12	0.464956	0.739152	False
ENSG00000017	MAMSTR	0.46449	0.797225	False
ENSG00000017	HIVEP3	0.463803	0.501141	False
ENSG00000013	TRIM45	0.463767	0.157954	False
ENSG00000017	ANXA2R	0.463699	0.425525	False
ENSG00000016	TK2	0.463698	0.179058	False
ENSG00000019	C5AR1	0.463537	0.745591	False
ENSG00000019	ADAM17	0.463176	7.24E-07	False
ENSG00000018	KCNJ12	0.463021	0.0560975	False
ENSG00000016	NAB2	0.46286	0.102603	False
ENSG00000009	PALM	0.462851	0.00059098	False
ENSG00000023	LRRC37A2	0.462416	0.628005	False
ENSG00000008	FAT1	0.462024	6.47E-05	False
ENSG00000013	PAQR5	0.460706	0.518438	False
ENSG00000018	H2BC4	0.46066	0.595816	False
ENSG00000016	ZNF367	0.460534	0.00034775	False
ENSG00000018	GOLGA6L4	0.460305	0.422181	False
ENSG00000018	RINL	0.460162	0.186217	False
ENSG00000021	MRLN	0.460137	0.895635	False
ENSG00000011	NID1	0.460137	0.895635	False
ENSG00000017	RNF212	0.459415	1.61E-06	False
ENSG00000014	PTPRF	0.459259	6.82E-07	False
ENSG00000019	UEVLD	0.459054	0.00461787	False
ENSG00000013	LRRC1	0.458622	0.227037	False
ENSG00000018	CENATAC	0.458514	0.0230621	False
ENSG00000004	CUL7	0.458344	0.272894	False
ENSG00000014	TP53	0.457946	0.00278232	True
ENSG00000020	CFAP44	0.457888	0.348194	False
ENSG00000001	DNASE1L1	0.457723	0.154531	False
ENSG00000011	ID2	0.457534	0.00411622	False
ENSG00000016	C4orf3	0.457434	0.00191401	False
ENSG00000018	TIGD2	0.457425	0.0360148	False
ENSG00000018	CUEDC1	0.457037	0.123278	False
ENSG00000018	B3GLCT	0.457032	0.0240029	False
ENSG00000003	GAB2	0.45702	0.11618	False
ENSG00000016	DUSP18	0.456817	0.47521	False
ENSG00000014	CNIH3	0.456515	0.885013	False
ENSG00000001	ACTN1	0.456227	7.93E-16	False
ENSG00000016	ZNF319	0.455701	0.200925	False
ENSG00000013	USO1	0.455686	1.58E-05	False
ENSG00000016	AXL	0.455544	2.35E-05	False
ENSG00000017	B4GAT1	0.455471	0.00075454	False
ENSG00000001	FOSL2	0.45517	0.0185868	False
ENSG00000003	UBA6	0.454508	4.61E-07	False
ENSG00000019	MGAT5	0.454178	0.00667739	False
ENSG00000011	BIRC2	0.453676	6.30E-05	False
ENSG00000018	SLC26A11	0.453654	0.104007	False
ENSG00000013	ESYT1	0.453409	2.50E-05	False
ENSG00000017	TYMS	0.453189	1.22E-10	False

ENSG000001:TEX9	0.453117	0.361206	False
ENSG000002:CTSO	0.453034	0.538159	False
ENSG000002:AJM1	0.452999	0.70209	False
ENSG000001:COIL	0.452657	2.79E-05	False
ENSG000001:HDHD3	0.452629	0.471449	False
ENSG000002:ITGB3	0.452604	0.274237	False
ENSG000000:HSD17B6	0.452255	0.472353	False
ENSG000001:CALCOCO2	0.452047	0.00017972	False
ENSG000001:SERAC1	0.451956	0.127323	False
ENSG000001:ZKSCAN4	0.451887	0.129457	False
ENSG000001:ITM2B	0.451662	1.06E-05	False
ENSG000001:PARD6A	0.451655	0.481666	False
ENSG000000:SLC24A1	0.451188	0.421668	False
ENSG000001:KANSL1L	0.450724	0.204064	False
ENSG000001:FZD10	0.45066	0.535934	False
ENSG000000:ARX	0.450521	0.712071	False
ENSG000001:HSF4	0.450376	0.854471	False
ENSG000001:ALG10	0.450319	0.173985	False
ENSG000001:GLTP	0.450098	0.0025118	False
ENSG000002:VPS16	0.449938	0.225653	False
ENSG000001:GAA	0.449811	0.240373	False
ENSG000001:SLC27A3	0.449755	0.123044	False
ENSG000002:SULT1A4	0.449726	0.176278	False
ENSG000001:RIBC1	0.449684	0.788984	False
ENSG000001:FAM111B	0.449555	3.81E-06	False
ENSG000000:TMEM38A	0.449318	0.380376	False
ENSG000001:MDFIC	0.449158	0.00015807	False
ENSG000001:DDAH1	0.449041	0.00815813	False
ENSG000000:COL16A1	0.448678	1.11E-05	False
ENSG000001:PAK1	0.448553	0.00028286	False
ENSG000001:TMEM106C	0.448383	5.48E-09	False
ENSG000001:SMIM29	0.447965	0.0174723	False
ENSG000001:PROC	0.44796	0.627131	False
ENSG000001:SPECC1L	0.447796	0.0422025	False
ENSG000001:TYK2	0.447668	0.041594	False
ENSG000000:NDST1	0.447651	5.77E-07	False
ENSG000001:ATP7A	0.447408	0.0503917	False
ENSG000001:DZIP1	0.447214	0.0510382	False
ENSG000001:SEMA3E	0.447144	0.397116	False
ENSG000001:SEPTIN11	0.447033	2.13E-10	False
ENSG000001:FBLIM1	0.446591	0.152341	False
ENSG000000:PPP1R13B	0.44634	0.357593	False
ENSG000001:NFKBIZ	0.446284	0.343661	False
ENSG000000:DEF6	0.446165	0.829705	True
ENSG000001:C19orf47	0.445984	0.00902019	False
ENSG000001:TOR1A	0.445839	0.00027826	False
ENSG000001:MAP6D1	0.445587	0.214434	False
ENSG000001:SEPTIN3	0.445586	0.603259	False
ENSG000001:MYRF	0.445425	0.604808	False
ENSG000000:PPP1R3F	0.44533	0.296339	False
ENSG000001:TES	0.445194	0.00035289	False
ENSG000001:SENP7	0.445036	0.195925	False

ENSG00000008	GMIP	0.444584	0.349319	False
ENSG00000007	LIMS2	0.444572	0.309422	False
ENSG00000000	PHLDB1	0.444263	0.057668	False
ENSG00000017	TRIM8	0.443995	0.111235	False
ENSG00000029	ZNF674	0.443959	0.215376	False
ENSG00000027	H3C6	0.443579	0.836912	False
ENSG00000018	TXNRD2	0.443107	0.24019	False
ENSG00000010	PIK3R3	0.442969	0.00184031	False
ENSG00000016	IRGQ	0.442876	0.00177519	False
ENSG00000017	ZNF672	0.442806	0.0695298	False
ENSG00000007	ARHGEF1	0.442435	0.325931	False
ENSG00000016	SERPINI1	0.442025	0.077421	False
ENSG00000008	AP4E1	0.441791	0.0113726	False
ENSG00000016	SLC33A1	0.441555	0.00121509	False
ENSG00000019	FAM177A1	0.441203	2.22E-09	False
ENSG00000017	CEP135	0.441179	0.0226184	False
ENSG00000013	SEC14L4	0.441069	0.720511	False
ENSG00000017	NRSN2	0.440846	0.510645	False
ENSG00000010	PTGR1	0.440813	1.79E-07	False
ENSG00000019	LATS2	0.440753	0.00072924	False
ENSG00000000	SNAPC1	0.440676	0.0002663	False
ENSG00000010	PICK1	0.440421	0.429554	False
ENSG00000017	MACF1	0.440283	3.51E-05	False
ENSG00000013	FGD4	0.439935	0.278755	False
ENSG00000009	CBX5	0.439709	4.50E-15	False
ENSG00000014	MINDY3	0.439509	0.0345515	False
ENSG00000020	CENPW	0.438885	2.29E-12	False
ENSG00000008	SMAP2	0.438434	0.226096	False
ENSG00000018	FKRP	0.438228	0.504542	False
ENSG00000017	ACAT2	0.4382	2.47E-15	False
ENSG00000013	GSTCD	0.437932	0.0382784	False
ENSG00000013	ARHGAP20	0.43781	0.640543	False
ENSG00000010	TRADD	0.437499	0.222112	False
ENSG00000017	DNAJC28	0.436605	0.836389	False
ENSG00000010	CLEC2B	0.436596	0.308687	False
ENSG00000010	STX12	0.436063	0.0408089	False
ENSG00000017	ZBTB38	0.435988	2.30E-05	False
ENSG00000017	KIF1C	0.435909	6.29E-10	False
ENSG00000009	CECR2	0.435896	0.74712	False
ENSG00000016	CTSB	0.435836	0.00150742	False
ENSG00000019	PTPDC1	0.435829	0.209889	False
ENSG00000018	PLCB1	0.435765	0.29491	False
ENSG00000014	FAM13C	0.435427	0.521644	False
ENSG00000016	KIFC2	0.435235	0.0708834	False
ENSG00000013	LMO7	0.435078	9.97E-07	False
ENSG00000020	SYCE1L	0.434486	0.377405	False
ENSG00000017	WASHC3	0.434253	0.145834	False
ENSG00000014	COL8A1	0.434199	0.0127924	False
ENSG00000016	CLMN	0.434196	0.834852	False
ENSG00000013	CSAD	0.434049	0.117045	False
ENSG00000019	CRIM1	0.433771	1.42E-06	False
ENSG00000017	C14orf28	0.433477	0.466993	False

ENSG0000004:SNX29	0.433125	0.224711	False
ENSG0000013:PRRG1	0.432988	0.0061371	False
ENSG0000017:ZBTB4	0.432835	0.00847055	False
ENSG0000017:NAP1L5	0.432457	0.0470111	False
ENSG0000017:EIF2AK4	0.432338	0.00016025	False
ENSG0000010:CENPT	0.432307	0.420696	False
ENSG0000014:IGSF3	0.432026	0.307264	False
ENSG0000018:ARMCX2	0.432005	2.00E-07	False
ENSG0000017:OGFRL1	0.431915	0.00086088	False
ENSG0000009:BCL2L13	0.431691	0.00204301	False
ENSG0000007:CLCN4	0.431674	0.0758989	False
ENSG0000013:ITM2C	0.431268	0.206589	False
ENSG0000014:RBMS3	0.430947	0.0502678	False
ENSG0000014:ZNF462	0.430808	0.00094163	False
ENSG0000019:ZNF493	0.43049	0.575464	False
ENSG0000010:ARMCX3	0.430051	1.88E-07	False
ENSG0000017:AKAP5	0.430042	0.718512	False
ENSG0000000:MDH1	0.42931	5.05E-15	False
ENSG0000020:SAP25	0.429057	0.898889	False
ENSG0000008:TXLNA	0.428812	0.0153666	False
ENSG0000016:ARHGAP42	0.428766	0.0924215	True
ENSG0000006:RAB27A	0.428692	0.0173192	False
ENSG0000018:DGAT1	0.428648	0.0926496	False
ENSG0000018:ACBD3	0.428507	6.44E-09	False
ENSG0000018:CLDN7	0.427994	0.446857	False
ENSG0000006:PRKCZ	0.427585	0.0534559	False
ENSG0000013:PRCP	0.427298	2.29E-06	False
ENSG0000010:ZNF106	0.427033	1.68E-10	False
ENSG0000000:ISL1	0.426657	0.0981289	False
ENSG0000019:ZNF250	0.426432	0.414097	False
ENSG0000020:CEP43	0.426213	0.00213655	False
ENSG0000020:ORAI1	0.42573	0.125537	False
ENSG0000013:TGS1	0.425606	0.0034474	True
ENSG0000010:BST1	0.425564	0.79217	False
ENSG0000004:RAB27B	0.425377	0.796956	False
ENSG0000026:GABRQ	0.424667	0.516961	False
ENSG0000016:MSS51	0.424488	0.789871	False
ENSG0000007:OSBPL3	0.424398	0.0712416	False
ENSG0000013:TTPA	0.424201	0.890275	False
ENSG0000020:COL15A1	0.424161	0.146053	False
ENSG0000009:MKNK2	0.424151	3.28E-05	True
ENSG0000017:ZNF771	0.424139	0.375152	False
ENSG0000017:MALT1	0.424052	0.0493105	False
ENSG0000016:ZNF747	0.423435	0.380934	False
ENSG0000007:ANO8	0.423427	0.0474371	False
ENSG0000014:DET1	0.422632	0.752753	False
ENSG0000029:AP5B1	0.422545	0.0253671	False
ENSG0000013:TRPC3	0.42198	0.849714	False
ENSG0000010:IFT20	0.421888	0.0515756	False
ENSG0000010:OCIAD1	0.421827	2.88E-08	False
ENSG0000007:TPD52	0.421564	5.85E-09	False
ENSG0000013:CHMP1A	0.421546	0.026229	False

ENSG0000016 KLHL26	0.42027	0.0141281	False
ENSG0000017 ZNF524	0.420264	0.497595	False
ENSG0000017 CCDC14	0.419782	0.00323902	False
ENSG0000019 GTF3C6	0.419671	2.57E-09	False
ENSG0000008 ULK2	0.419471	0.125605	False
ENSG0000013 NFATC1	0.419452	0.150255	False
ENSG0000020 PLEKHM1	0.41936	0.358749	False
ENSG0000013 SWAP70	0.419175	0.00060939	False
ENSG0000013 SLC41A2	0.418991	0.174617	False
ENSG0000016 PRKCD	0.418868	0.0058244	False
ENSG0000019 PAPSS2	0.418664	0.00089516	False
ENSG0000014 ARHGAP26	0.418504	0.454011	False
ENSG0000007 MAP2	0.418355	0.52749	False
ENSG0000017 ZBTB34	0.418235	0.0863625	False
ENSG0000013 PCED1A	0.418153	0.0185103	False
ENSG0000019 AMN1	0.418092	0.0615255	False
ENSG0000019 ABCB9	0.417885	0.375755	False
ENSG0000017 CCDC93	0.417613	0.0166137	False
ENSG0000018 PTP4A3	0.41727	0.503164	False
ENSG0000017 WSB2	0.417191	0.00383924	False
ENSG0000009 CLSPN	0.417008	2.58E-08	False
ENSG0000016 NT5DC2	0.416895	0.0157066	False
ENSG0000013 CD83	0.416805	0.0339771	False
ENSG0000024 HAU5	0.416714	0.0080854	False
ENSG0000016 GPRIN1	0.416567	0.212468	False
ENSG0000019 DMD	0.416289	0.141873	False
ENSG0000016 SNRNP25	0.415688	0.00867329	False
ENSG0000003 SARS1	0.415656	0.0034382	True
ENSG0000009 EZR	0.415562	1.22E-08	False
ENSG0000016 RAB8B	0.415548	0.230903	False
ENSG0000018 CCDC43	0.414985	0.00050932	False
ENSG0000000 ZNF195	0.414935	0.0083591	False
ENSG0000029 MC1R	0.414431	0.55901	False
ENSG0000016 GRIN2D	0.413911	0.291897	False
ENSG0000019 ARHGEF12	0.413546	0.00327385	False
ENSG0000016 IGFN1	0.412931	4.37E-10	False
ENSG0000016 RBPJ	0.412794	8.54E-07	False
ENSG0000017 KCNMB3	0.41279	0.756202	False
ENSG0000003 PGM3	0.412788	3.94E-05	False
ENSG0000016 WDR41	0.412759	0.00017339	False
ENSG0000017 INSL4	0.412621	0.00613976	False
ENSG0000020 FAM229B	0.412455	0.393226	False
ENSG0000003 WIPI1	0.412259	0.239219	False
ENSG0000016 SNRK	0.411992	0.166903	False
ENSG0000016 WNT10B	0.411733	0.012889	False
ENSG0000017 PLA2G12A	0.411655	0.0110987	False
ENSG0000024 ZNF324B	0.411653	0.636052	False
ENSG0000018 AMIGO1	0.411628	0.637173	False
ENSG0000018 ADI1	0.411133	7.49E-10	False
ENSG0000003 MVP	0.410913	0.614218	False
ENSG0000018 ANKS1B	0.410502	0.845721	False
ENSG0000013 GSTM3	0.410182	1.41E-06	False

ENSG000001: PEAK1	0.409861	0.0643994	False
ENSG000001: PUDP	0.409716	0.0163413	False
ENSG000002: SUL1A3	0.409644	0.196133	False
ENSG000001: COCH	0.409627	0.16493	False
ENSG000001: C11orf68	0.409482	0.105985	False
ENSG000002: INO80B-WBP	0.409148	0.0297588	False
ENSG000001: GALE	0.40899	0.0881065	False
ENSG000001: SUMF1	0.408964	0.0293447	False
ENSG000001: TMEM81	0.408842	0.546335	False
ENSG000001: PIGX	0.408706	0.00024324	False
ENSG000001: ING2	0.408666	0.00436039	False
ENSG000000: MED24	0.407812	1.89E-08	False
ENSG000000: SEMA3F	0.407411	0.657944	False
ENSG000001: AP1S1	0.407135	0.00259141	False
ENSG000002: LIN37	0.407019	0.48585	False
ENSG000001: BCL2L1	0.40689	0.0175262	True
ENSG000001: RPS6KA5	0.406631	0.015229	False
ENSG000002: NPIPB2	0.406519	0.670862	False
ENSG000002: HLA-B	0.406264	2.11E-09	False
ENSG000001: VIPAS39	0.405857	0.0422857	False
ENSG000001: UGP2	0.405445	0.00022267	False
ENSG000001: DYNC2I2	0.405261	0.0297844	False
ENSG000000: PTPN4	0.40525	0.135989	False
ENSG000001: CNNM4	0.405067	0.121289	False
ENSG000001: WWP1	0.40499	0.00249163	True
ENSG000001: SAMD10	0.404726	0.281385	False
ENSG000001: CLN5	0.404684	0.0181219	False
ENSG000001: TAMALIN	0.404664	0.891565	False
ENSG000001: TIMP4	0.404649	0.620934	False
ENSG000000: UBR7	0.404476	0.00014249	False
ENSG000000: YBX3	0.404409	1.46E-10	False
ENSG000001: MARCHF9	0.404104	0.266697	False
ENSG000001: NFKBIE	0.404086	0.435334	False
ENSG000000: TBC1D10A	0.403602	0.616081	False
ENSG000001: SLC39A13	0.403255	0.031966	False
ENSG000001: TSKU	0.402991	0.030537	True
ENSG000001: BFSP1	0.402486	0.482719	False
ENSG000001: SPATS2L	0.402105	0.00124321	False
ENSG000000: REV3L	0.40209	0.00117468	True
ENSG000001: TMEM63A	0.402054	0.523121	False
ENSG000001: ANKRD36	0.401868	0.00013557	False
ENSG000000: MZF1	0.401855	0.138032	False
ENSG000001: C12orf76	0.401853	0.521993	False
ENSG000001: TRIM35	0.401838	0.103448	True
ENSG000001: RNFT2	0.401709	0.131505	False
ENSG000001: TMX4	0.401397	0.0121827	False
ENSG000000: NUCB2	0.401179	0.00042962	False
ENSG000001: ANKRD36B	0.400977	0.00010215	False
ENSG000000: MAP2K4	0.400709	0.00263176	False
ENSG000001: CPT2	0.400551	0.0110987	False
ENSG000001: MYO10	0.40047	1.88E-05	False
ENSG000000: CELSR1	0.40019	0.113991	False

ENSG0000004	ADRB1	0.400153	0.865066	False
ENSG0000016	SNAPC3	0.399798	0.0394721	False
ENSG0000010	MAGED2	0.399588	0.00017044	False
ENSG0000013	LLGL1	0.399349	0.0454121	False
ENSG0000010	LFNG	0.399323	0.25371	False
ENSG0000017	PYGO1	0.398944	0.00611877	False
ENSG0000019	GPAA1	0.398857	0.00103873	False
ENSG0000009	BAMBI	0.39875	0.35925	False
ENSG0000016	APLF	0.39871	0.246538	False
ENSG0000019	SH3BGR2	0.398346	0.169225	False
ENSG0000008	APLP2	0.39828	8.24E-17	False
ENSG0000010	CYTH1	0.398196	0.00014629	False
ENSG0000009	BLVRB	0.398154	0.0984815	False
ENSG0000010	ATP8B4	0.397952	0.727785	False
ENSG0000018	ZNF284	0.397853	0.328232	False
ENSG0000006	ME1	0.397828	5.10E-09	False
ENSG0000029	ZFP91-CNTF	0.397795	0.0763215	False
ENSG0000007	NR1H3	0.397562	0.530309	False
ENSG0000013	VPS45	0.397458	0.0499639	False
ENSG0000016	CCNDBP1	0.397247	0.0233437	False
ENSG0000014	GID4	0.396924	0.0787987	False
ENSG0000013	EDEM1	0.39652	0.195517	False
ENSG0000010	KLHL5	0.396067	2.09E-05	False
ENSG0000014	TGFB111	0.395944	0.104176	False
ENSG0000019	CDA	0.39594	0.599898	False
ENSG0000020	STIMATE	0.395374	0.0532596	False
ENSG0000018	SNN	0.395151	0.371711	False
ENSG0000013	ADGRD1	0.395063	0.0107225	False
ENSG0000024	ACAD11	0.394944	0.209019	False
ENSG0000004	ATOSA	0.394691	0.231434	False
ENSG0000019	CTR9	0.394606	3.87E-05	False
ENSG0000004	ARAP2	0.393826	0.399692	False
ENSG0000017	POLR3GL	0.393789	0.00952079	False
ENSG0000013	BMPR1B	0.39371	0.368617	False
ENSG0000018	PAPPA	0.39355	0.00025957	False
ENSG0000018	BCAM	0.393352	0.758725	False
ENSG0000020	SNX2	0.393193	0.00055319	True
ENSG0000019	WHAMM	0.393128	0.0767359	False
ENSG0000010	USP31	0.392955	0.0149291	False
ENSG0000013	TJAP1	0.392775	0.165734	False
ENSG0000019	ATG10	0.392752	0.122411	False
ENSG0000016	ZRSR2	0.392697	0.0161343	False
ENSG0000004	ROS1	0.392593	0.84362	False
ENSG0000007	N4BP2	0.392557	0.128153	False
ENSG0000013	MPL	0.392278	0.891664	False
ENSG0000014	CAMK2D	0.392182	0.0388276	False
ENSG0000013	PPARG	0.392098	0.465611	False
ENSG0000014	NBEAL1	0.391805	0.00335193	False
ENSG0000020	RAB6C	0.391492	0.0690879	False
ENSG0000013	MAN1A1	0.391408	0.362229	False
ENSG0000010	CCDC22	0.391294	0.226997	False
ENSG0000019	ZNF700	0.391161	0.441971	False

ENSG000001ZNF75D	0.390865	0.191445	False
ENSG000001CAP1B1	0.390858	1.98E-07	False
ENSG000002CHKB-CPT1B	0.390588	0.333881	False
ENSG000001NKIRAS1	0.390517	0.118319	False
ENSG000002STRC	0.39042	0.899043	False
ENSG000001IFIT3	0.390356	0.0761867	False
ENSG000001HSPA4L	0.390069	4.35E-05	True
ENSG000001TUBG1	0.389418	3.32E-05	False
ENSG000001PIEZO2	0.389384	7.20E-05	False
ENSG000001FYCO1	0.388876	0.232568	False
ENSG000001WNT4	0.388786	0.896616	False
ENSG000000ZNF446	0.388779	0.414307	False
ENSG000001ZNF460	0.388506	0.686487	False
ENSG000000ATP2A3	0.388466	0.732791	False
ENSG000000OSTM1	0.3883	0.00099881	False
ENSG000001RBM4B	0.388	0.0448714	False
ENSG000002CCNI2	0.387867	0.822327	False
ENSG000001SH3PXD2B	0.387632	0.0171575	False
ENSG000001ARRB1	0.387516	0.237761	False
ENSG000000GNPTG	0.38747	0.180078	False
ENSG000001SP140L	0.38744	0.231673	False
ENSG000001TANK	0.387348	0.3058	False
ENSG000001SPICE1	0.38733	0.149328	False
ENSG000001CLU	0.38718	1.95E-13	False
ENSG000002H2AC18	0.386831	0.117618	False
ENSG000002H2AC19	0.386831	0.117618	False
ENSG000001ARHGAP1	0.386758	0.0117292	False
ENSG000001RETREG3	0.38666	0.098586	False
ENSG000001HTT	0.386215	0.0230621	False
ENSG000001PTMS	0.386153	0.00024047	False
ENSG000001PPFIBP1	0.386099	0.0114561	True
ENSG000001NPC1	0.386012	0.00339389	False
ENSG000001RAB20	0.385617	0.265501	False
ENSG000002IKBKE	0.385428	0.382428	False
ENSG000001AP3S1	0.385293	3.91E-10	False
ENSG000002ZNF155	0.384923	0.620292	False
ENSG000001FOXO1	0.384854	0.426088	False
ENSG000001H3-5	0.384781	0.00094147	False
ENSG000001ZNF641	0.384659	0.198173	False
ENSG000001THEMIS2	0.384387	0.798926	False
ENSG000001BDH2	0.384385	0.100823	False
ENSG000001HPS5	0.384174	0.102872	False
ENSG000001HYI	0.384137	0.00235187	False
ENSG000001EPHB3	0.383748	0.708735	False
ENSG000001RGS12	0.383623	0.632218	False
ENSG000001PHETA1	0.383451	0.557558	False
ENSG000002TENM3	0.383335	0.400365	False
ENSG000001ZNF554	0.383262	0.369142	False
ENSG000001DTX3L	0.383098	0.00085364	False
ENSG000001PPP1R7	0.382759	0.0370665	False
ENSG000000TRAF3IP2	0.382376	0.175738	False
ENSG000001SAT2	0.382176	0.0758917	False



ENSG000001010001	SPAG1	0.381538	0.0586324	False
ENSG000001010001	MID1IP1	0.381508	0.00184657	False
ENSG000001010001	TRIM73	0.381485	0.709025	False
ENSG000001010001	HEATR5A	0.381478	0.00056159	False
ENSG000002010001	SMIM27	0.381428	0.196769	False
ENSG000001010001	CREB3	0.380971	0.00493383	False
ENSG000000090001	COMT	0.380968	0.00025232	False
ENSG000000080001	GSTP1	0.380936	5.51E-17	False
ENSG000001010001	NEMP1	0.380933	0.168264	False
ENSG000001010001	UBE2H	0.380862	1.69E-05	False
ENSG000002010001	MSH5	0.38085	0.584164	False
ENSG000001010001	NIPSNAP3A	0.380808	0.00076535	False
ENSG000001010001	ACOT11	0.380669	0.606197	False
ENSG000001010001	CCDC97	0.380417	0.139022	False
ENSG000001010001	WDTC1	0.380338	0.420696	False
ENSG000001010001	FAM43B	0.380015	0.898889	False
ENSG000001010001	ZNF649	0.379969	0.71386	False
ENSG000001010001	CDC42BPB	0.379387	0.00565203	False
ENSG000001010001	CGA	0.379015	1.10E-20	False
ENSG000001010001	BBS7	0.378794	0.036782	False
ENSG000002010001	PRRT1	0.378761	0.703437	False
ENSG000001010001	MAN2A2	0.378382	0.121413	False
ENSG000001010001	TMA16	0.378378	0.00014995	False
ENSG000001010001	SPSB2	0.378291	0.353317	False
ENSG000001010001	ZNF514	0.378054	0.369347	False
ENSG000001010001	ARL8A	0.377765	0.00047948	False
ENSG000001010001	ARMC5	0.37758	0.132172	False
ENSG000001010001	PIGF	0.377557	0.0773266	False
ENSG000000080001	NID2	0.377453	0.181427	False
ENSG000001010001	SH3RF1	0.377387	0.0367516	False
ENSG000001010001	ZFYVE28	0.377332	0.140024	False
ENSG000001010001	RMDN1	0.377036	0.0173192	False
ENSG000001010001	TRIM5	0.376957	0.544362	False
ENSG000001010001	RILPL2	0.376578	0.186334	False
ENSG000001010001	NFU1	0.376284	1.22E-05	False
ENSG000001010001	PRSS23	0.37596	1.41E-07	False
ENSG000001010001	AFDN	0.375134	0.195107	False
ENSG000001010001	GMNN	0.375065	5.22E-05	False
ENSG000001010001	RNF166	0.374981	0.23872	False
ENSG000001010001	IVNS1ABP	0.374627	2.75E-09	False
ENSG000001010001	CKAP4	0.374571	8.61E-10	False
ENSG000001010001	PLLP	0.374354	0.523208	False
ENSG000002010001	EIF4EBP3	0.374244	0.183036	False
ENSG000000090001	BID	0.374122	0.00689194	False
ENSG000001010001	TRUB1	0.374113	0.00353421	True
ENSG000001010001	TMEM263	0.37396	3.95E-06	False
ENSG000001010001	ZNF774	0.373862	0.73078	False
ENSG000001010001	ZHX2	0.373781	0.679401	False
ENSG000001010001	NYAP1	0.373662	0.856627	False
ENSG000001010001	SORBS2	0.373523	0.0498216	False
ENSG000001010001	ZDHHC12	0.373344	0.233556	False
ENSG000001010001	RNF24	0.373224	0.354829	False

ENSG000001: SIAE	0.373145	0.2635	False
ENSG000000: PDIA5	0.373067	0.0584398	False
ENSG000001: CYB5R1	0.372817	0.00727672	False
ENSG000001: RAB36	0.372683	0.732767	False
ENSG000001: LAGE3	0.371953	0.00130398	False
ENSG000001: S100A11	0.371416	4.38E-07	False
ENSG000001: POU6F1	0.370996	0.682969	False
ENSG000001: TOR2A	0.370708	0.427809	False
ENSG000001: FRAT1	0.370384	0.459577	False
ENSG000001: SLC22A15	0.370016	0.58728	False
ENSG000001: QDPR	0.369773	1.04E-07	False
ENSG000001: DPY19L4	0.369506	0.00649324	False
ENSG000001: C11orf1	0.369383	0.584164	False
ENSG000001: FOXE1	0.368973	0.420649	False
ENSG000001: RAB4A	0.368847	0.00012015	False
ENSG000001: INTS12	0.368635	0.150255	False
ENSG000001: MNX1	0.368472	0.234449	False
ENSG000001: TRAFD1	0.368299	0.30641	True
ENSG000002: RTL8A	0.36753	2.06E-05	False
ENSG000001: RAB11FIP2	0.367333	0.0632174	False
ENSG000001: DNAJB14	0.367329	0.0227566	False
ENSG000001: GALK1	0.366981	0.443966	False
ENSG000001: FBXW8	0.366958	0.5781	False
ENSG000002: CHIC1	0.366758	0.457099	False
ENSG000001: C1QTNF1	0.366654	0.426909	False
ENSG000001: UCK1	0.36655	0.103006	False
ENSG000001: WDR72	0.366506	0.10737	False
ENSG000001: FOXD2	0.36648	0.304567	False
ENSG000001: FSTL1	0.366441	1.42E-09	False
ENSG000001: LRP12	0.366153	0.0248676	False
ENSG000000: POMGNT1	0.365976	0.366948	False
ENSG000001: PRR5L	0.365561	0.0198417	False
ENSG000001: PRDM13	0.36544	0.00815604	False
ENSG000001: DPCD	0.365275	0.267694	False
ENSG000001: PIAS3	0.36526	0.187625	False
ENSG000001: PEA15	0.365204	0.0011606	False
ENSG000001: PBX3	0.364362	0.0351712	False
ENSG000001: RANGRF	0.363164	0.00118116	False
ENSG000001: IL1RAP	0.363148	0.473557	False
ENSG000001: DMBT1	0.363016	0.846032	False
ENSG000001: RSPH3	0.362714	0.143226	False
ENSG000001: TMEM52B	0.362518	0.0945055	False
ENSG000001: LSM3	0.362501	2.34E-06	False
ENSG000001: ATP13A3	0.362496	0.00904813	False
ENSG000001: TEX264	0.362317	0.520963	False
ENSG000000: FUZ	0.362284	0.848105	False
ENSG000001: CPNE7	0.362032	0.0916802	False
ENSG000001: CC2D1A	0.361892	0.516961	False
ENSG000001: CPEB3	0.36185	0.418582	False
ENSG000001: RMI2	0.361791	0.062461	False
ENSG000000: IGF2BP2	0.361431	0.301843	False
ENSG000001: TYSND1	0.361372	0.0225698	False

ENSG00000161011	NXN	0.361334	0.00832448	False
ENSG00000203111	TMEM185B	0.361334	0.00837125	False
ENSG00000001011	TP53INP2	0.360716	0.333328	False
ENSG00000161011	FBXO33	0.360562	0.0831585	False
ENSG00000161011	RYR2	0.360447	0.423184	False
ENSG00000161011	SNX7	0.360369	0.00028828	False
ENSG00000001011	WDR47	0.360107	0.154132	False
ENSG00000161011	WNT3	0.360072	0.721405	False
ENSG00000161011	C1RL	0.360051	0.540746	False
ENSG00000161011	SH3BP1	0.359875	0.571562	False
ENSG00000203111	FBXO16	0.359773	0.766038	False
ENSG00000001011	CAPG	0.359683	0.0546822	False
ENSG00000203111	ZSCAN31	0.359415	0.141209	False
ENSG00000161011	KLHL25	0.359395	0.769015	False
ENSG00000161011	ADORA1	0.35897	0.858191	False
ENSG00000161011	C11orf24	0.358953	0.0825603	False
ENSG00000161011	GREM2	0.358878	0.436349	False
ENSG00000161011	TCEAL1	0.35877	0.0274451	False
ENSG00000161011	CELF5	0.358578	0.855803	False
ENSG00000161011	RCAN1	0.358525	0.0261236	False
ENSG00000203111	SELENOP	0.3583	0.615663	False
ENSG00000161011	RRBP1	0.357435	0.039066	False
ENSG00000001011	TAF11	0.357363	0.00022694	False
ENSG00000161011	DPPA2	0.357156	0.539176	False
ENSG00000203111	PPIL3	0.357155	0.0125849	False
ENSG00000161011	IGFBP2	0.357129	0.203023	False
ENSG00000161011	UBAC1	0.357124	2.80E-05	False
ENSG00000161011	TBCCD1	0.356686	0.26181	False
ENSG00000161011	PHYHD1	0.356399	0.646398	False
ENSG00000161011	AEN	0.356261	0.00143111	True
ENSG00000161011	ZNF333	0.356132	0.684822	False
ENSG00000161011	ILK	0.355966	0.0702093	False
ENSG00000161011	COQ6	0.355755	0.138032	False
ENSG00000161011	LIMS1	0.35546	1.16E-05	False
ENSG00000161011	COPS4	0.355075	0.00417042	False
ENSG00000161011	SULT1A1	0.355053	0.159139	False
ENSG00000001011	CRY1	0.354908	0.00334163	False
ENSG00000001011	MEF2A	0.354186	0.0975008	False
ENSG00000203111	HOXB7	0.353951	0.118423	False
ENSG00000203111	CHML	0.353854	0.00109017	False
ENSG00000161011	FZD5	0.353531	0.108832	False
ENSG00000001011	VPS13D	0.353338	0.0607061	False
ENSG00000161011	PSPC1	0.353147	0.00373464	False
ENSG00000161011	MTLN	0.35311	0.0915657	False
ENSG00000001011	CCDC28A	0.352868	0.0303482	False
ENSG00000001011	EPB41L2	0.352175	6.13E-07	False
ENSG00000161011	ACOT13	0.351958	0.00112335	False
ENSG00000161011	GSTT2B	0.351868	0.0667657	False
ENSG00000001011	GSTT2	0.351868	0.0667657	False
ENSG00000161011	USP43	0.351676	0.581585	False
ENSG00000161011	WRAP73	0.351672	0.0606347	True
ENSG00000161011	RAB40C	0.351511	0.338842	True

ENSG000002: ANKRD18B	0.351366	0.048706	False
ENSG000001: CADM4	0.351348	0.737678	False
ENSG000001: BHLHE40	0.351344	0.0661944	True
ENSG000001: MARVELD2	0.351131	0.536072	False
ENSG000001: PRDX5	0.351057	0.00042795	False
ENSG000001: GOLIM4	0.350838	8.89E-05	False
ENSG000001: CSNK1G2	0.350827	0.0004048	False
ENSG000001: MFSD10	0.350764	0.0499639	False
ENSG000001: CSTF3	0.350494	1.34E-05	False
ENSG000001: LDLRAP1	0.350316	0.0899927	False
ENSG000001: DNAJC3	0.350293	0.00465343	False
ENSG000001: GLIPR2	0.350066	0.311866	False
ENSG000001: UCN2	0.350001	0.686838	False
ENSG000001: TTC30B	0.34971	0.609317	False
ENSG000001: HSDL2	0.349708	0.0001642	False
ENSG000001: PRELID2	0.349649	0.0889698	False
ENSG000001: CMTR2	0.349243	0.232568	False
ENSG000001: HGSNAT	0.349212	0.00050586	False
ENSG000001: CAVIN3	0.349209	0.00806954	False
ENSG000001: HECA	0.348887	0.0151124	False
ENSG000001: TCEAL9	0.348859	7.32E-09	False
ENSG000001: TMED8	0.348551	0.0035146	False
ENSG000001: RNF121	0.348513	0.0142394	False
ENSG000001: RRAS	0.348406	0.12324	False
ENSG000001: PHACTR2	0.348144	0.00339087	False
ENSG000001: GPR108	0.347762	0.444419	False
ENSG000002: CFAP298-TCP	0.347637	0.619902	False
ENSG000001: SLC22A23	0.347582	0.616712	False
ENSG000001: FAM89B	0.347398	0.0986152	False
ENSG000001: LRRC8A	0.347389	0.00192622	False
ENSG000001: DHRS4	0.34734	0.057896	False
ENSG000001: PAQR3	0.347307	0.0296736	False
ENSG000001: EIF4E3	0.347101	0.630582	False
ENSG000000: TINF2	0.346997	0.0639643	False
ENSG000001: MYLK3	0.346971	0.0497845	False
ENSG000001: SAV1	0.346915	0.0360381	False
ENSG000001: ACTG1	0.346187	9.88E-20	False
ENSG000001: CHD3	0.346127	2.79E-06	False
ENSG000001: SLC22A13	0.346092	0.897059	False
ENSG000000: MON2	0.34605	0.0246884	True
ENSG000001: GCC2	0.345846	0.0009745	False
ENSG000001: FANCL	0.34574	4.59E-05	False
ENSG000001: STX4	0.345669	0.0445019	False
ENSG000002: DNASE1	0.345604	0.66002	False
ENSG000002: FAM24B	0.345372	0.310019	False
ENSG000001: ZBTB5	0.345308	0.0130676	False
ENSG000001: CANT1	0.345299	0.0300962	False
ENSG000001: OSCP1	0.345148	0.597421	False
ENSG000001: GNGT1	0.345094	0.814902	False
ENSG000001: MFHAS1	0.345074	5.07E-05	False
ENSG000001: RAB1F	0.344659	0.0133606	False
ENSG000001: SEMA6B	0.344643	0.897059	False

ENSG000001:PCGF3	0.344618	0.00481551	False
ENSG000002:KCNJ18	0.34455	0.48698	False
ENSG000002:HSD17B8	0.344542	0.475185	False
ENSG000001:RSRP1	0.344408	0.00101506	False
ENSG000000:TRAM1	0.344356	0.0006008	False
ENSG000001:LNX2	0.343599	0.0843221	False
ENSG000001:CHAF1B	0.343592	0.0889698	False
ENSG000001:BORCS7	0.343321	0.0747019	True
ENSG000001:TMEM68	0.342998	0.134724	True
ENSG000001:ATG7	0.342676	0.450329	False
ENSG000001:PML	0.342198	0.574906	True
ENSG000001:THSD4	0.342162	0.223288	False
ENSG000000:ZXDC	0.34201	0.019498	False
ENSG000001:SLC35B2	0.341926	0.0336356	False
ENSG000000:FOXC1	0.341694	0.0119207	False
ENSG000001:ZSWIM6	0.341679	0.0242265	False
ENSG000001:PRKAB2	0.341644	0.121791	True
ENSG000001:BBS4	0.341628	0.418891	False
ENSG000001:MTERF4	0.34156	0.107719	False
ENSG000001:RASGRP3	0.341238	0.8664	False
ENSG000001:IL13RA1	0.340902	0.00310458	False
ENSG000001:TPCN2	0.340647	0.044264	False
ENSG000001:CD47	0.34062	7.94E-06	False
ENSG000001:MMAB	0.340619	0.0282842	False
ENSG000002:AGER	0.340351	0.748955	False
ENSG000000:LTBP1	0.340121	0.0111111	False
ENSG000001:UQCC2	0.339891	0.00370673	False
ENSG000001:PSME2	0.339773	0.00025447	False
ENSG000002:SDHAF1	0.339615	0.52282	False
ENSG000001:NR4A1	0.339264	0.0693767	False
ENSG000001:MFNG	0.338938	0.706558	False
ENSG000001:SMYD4	0.338926	0.34454	False
ENSG000000:CLK1	0.338879	0.0024357	False
ENSG000001:ZNF45	0.338746	0.169311	False
ENSG000001:CCDC186	0.338469	0.0421344	False
ENSG000001:GCNT1	0.33825	0.686028	False
ENSG000001:PELI1	0.338081	0.311766	False
ENSG000001:COMMD3	0.337304	0.00597049	False
ENSG000001:MYT1L	0.337296	0.529887	False
ENSG000001:ENDOD1	0.337271	0.441304	False
ENSG000000:RNF215	0.33727	0.808711	False
ENSG000001:ETNPPL	0.337145	0.754631	False
ENSG000001:CCDC24	0.337091	0.660579	False
ENSG000001:BMP8A	0.337069	0.865443	False
ENSG000001:NECTIN3	0.336957	0.0157856	False
ENSG000002:ZBED8	0.336697	0.539121	False
ENSG000001:ABHD4	0.336489	0.200017	True
ENSG000001:PHLDB2	0.336342	1.19E-05	False
ENSG000001:STK33	0.336219	0.517382	False
ENSG000000:ZFYVE16	0.336188	0.00255858	False
ENSG000001:TMCO4	0.336004	0.509256	False
ENSG000001:ARL4D	0.335764	0.332336	False

ENSG0000016 COMTD1	0.33529	0.148016	False
ENSG0000009 EPB41L4B	0.335007	0.330386	False
ENSG0000000 TBC1D1	0.334974	0.141173	False
ENSG0000010 VIPR2	0.334535	0.778911	False
ENSG0000020 PPM1N	0.334024	0.702638	False
ENSG0000017 RCAN2	0.334016	0.90028	False
ENSG0000014 FAM50B	0.333818	0.182058	False
ENSG0000016 MICALL2	0.333664	0.563735	False
ENSG0000017 CAVIN1	0.333617	2.43E-05	False
ENSG0000019 BTG3	0.333206	0.00104333	False
ENSG0000013 RPA1	0.332992	3.59E-05	False
ENSG0000014 CTTNBP2NL	0.332673	0.00654862	False
ENSG0000019 AMZ2	0.332388	0.0016854	True
ENSG0000013 POMT1	0.332307	0.697004	False
ENSG0000020 ZNF611	0.332258	0.408908	False
ENSG0000019 FCHO2	0.332212	0.444775	True
ENSG0000018 DHTKD1	0.331977	0.0109645	False
ENSG0000019 ZDHC5	0.331812	0.0590371	False
ENSG0000014 DUSP10	0.331799	0.75375	False
ENSG0000017 PRSS36	0.331783	0.853612	False
ENSG0000008 KIF3C	0.331658	0.670217	False
ENSG0000010 FKBP1B	0.331508	0.725165	False
ENSG0000016 PROSER3	0.331456	0.0853254	False
ENSG0000014 CTDSPL	0.331261	0.0402301	False
ENSG0000010 DHRS12	0.331232	0.694518	False
ENSG0000019 TPRG1L	0.330976	0.0242021	False
ENSG0000020 CSNK2B	0.330929	0.0001254	False
ENSG0000017 ZNF223	0.330861	0.572442	False
ENSG0000010 ZNF451	0.330822	1.30E-05	False
ENSG0000019 ZNF461	0.330628	0.764901	False
ENSG0000010 DGCR8	0.330499	0.364693	False
ENSG0000019 RASA2	0.330416	0.257486	False
ENSG0000020 DPF3	0.330392	0.907628	False
ENSG0000019 CXADR	0.3298	0.00827976	False
ENSG0000000 DGKD	0.32957	0.00977249	False
ENSG0000000 ZNF275	0.329315	0.223394	False
ENSG0000000 SRBD1	0.329231	0.148196	False
ENSG0000010 ZNF574	0.328991	0.504463	False
ENSG0000019 ZNF813	0.328762	0.897059	False
ENSG0000016 TBC1D10B	0.328458	0.356242	False
ENSG0000019 COL4A6	0.328316	0.304937	False
ENSG0000019 ZSCAN26	0.328276	0.296647	False
ENSG0000016 SGMS2	0.328168	0.0894102	False
ENSG0000017 SLC44A2	0.327987	0.463544	False
ENSG0000010 STK25	0.327986	0.00041882	False
ENSG0000016 BLCAP	0.327762	0.114615	True
ENSG0000019 MOV10	0.327658	0.092909	False
ENSG0000000 PI4K2B	0.327512	0.0447932	False
ENSG0000014 SAMD1	0.32745	0.0004681	False
ENSG0000010 RNASEH2A	0.32722	0.00042832	False
ENSG0000010 BLTP3B	0.327182	0.263536	False
ENSG0000016 CRYL1	0.327029	0.412646	False

ENSG0000013 FHDC1	0.326956	0.719521	False
ENSG0000002 B4GALT7	0.326836	0.105909	False
ENSG0000000 GNA11	0.32683	0.00024306	False
ENSG0000002 TMEM256	0.326758	0.0256881	False
ENSG0000012 PEX16	0.326608	0.538634	False
ENSG0000012 PLEKHM3	0.326453	0.287699	False
ENSG0000010 EXO5	0.326404	0.43741	False
ENSG0000000 EIF2AK2	0.326316	0.00305425	False
ENSG0000012 ITPR2	0.326247	0.147407	False
ENSG0000010 AK4	0.3262	0.0001189	False
ENSG0000012 RAB29	0.32564	0.0208388	False
ENSG0000010 KIAA0753	0.325508	0.103919	False
ENSG0000010 ZNF530	0.325332	0.486915	False
ENSG0000002 GOLGA8B	0.325187	0.035518	False
ENSG0000010 COL4A3	0.325074	0.69141	False
ENSG0000012 TPMT	0.325057	0.067924	False
ENSG0000010 ARPC5	0.324849	1.45E-08	False
ENSG0000010 SHB	0.324642	0.185481	False
ENSG0000012 RBP4	0.323087	0.906078	False
ENSG0000000 STOML1	0.322824	0.748041	False
ENSG0000010 KLC3	0.322766	0.791689	False
ENSG0000010 CPED1	0.32269	0.817419	False
ENSG0000010 PEX2	0.322099	0.138032	False
ENSG0000010 MTMR3	0.321771	0.0607018	False
ENSG0000010 TTC14	0.321512	0.0197911	False
ENSG0000012 TAOK3	0.321365	0.00171908	False
ENSG0000002 ZNHIT3	0.321241	0.0142286	False
ENSG0000012 DTNA	0.321176	0.146234	False
ENSG0000010 PPM1F	0.320988	0.161745	False
ENSG0000010 PBXIP1	0.320444	0.304514	False
ENSG0000010 VAV2	0.320347	0.123421	False
ENSG0000000 TBC1D22B	0.320236	0.444739	False
ENSG0000010 GARRE1	0.320211	0.16341	False
ENSG0000002 SPDYE21	0.320134	0.90393	False
ENSG0000010 PLCB4	0.320092	0.0249439	False
ENSG0000000 AP2B1	0.319846	1.17E-05	False
ENSG0000012 SLC30A1	0.319421	0.00274184	True
ENSG0000012 ARHGAP24	0.319023	0.897059	False
ENSG0000000 FAM184B	0.318978	0.789747	False
ENSG0000012 BRIP1	0.318761	0.0155124	False
ENSG0000002 NUTM2E	0.318727	0.721456	False
ENSG0000010 MT-ND2	0.318699	8.84E-17	False
ENSG0000012 ADPRS	0.318644	0.0959393	False
ENSG0000010 PLEKHA4	0.318621	0.530767	False
ENSG0000000 TIMP2	0.318453	8.66E-07	False
ENSG0000012 TTC31	0.318377	0.19262	False
ENSG0000000 AGA	0.318286	0.0653592	False
ENSG0000010 DHRS4L2	0.317786	0.077254	False
ENSG0000010 MITF	0.317689	0.0607383	False
ENSG0000010 GOLGA4	0.317681	0.00017072	False
ENSG0000010 ARHGAP5	0.317525	0.0333103	False
ENSG0000010 ATG4A	0.317295	0.247031	False

ENSG000001000001	CYB561A3	0.317271	0.026962	False
ENSG000001000001	ATP5ME	0.317221	3.75E-07	False
ENSG000001000001	DHRS7B	0.316941	0.192553	False
ENSG000001000001	FBXO9	0.31652	0.00024826	False
ENSG000002000001	CPT1B	0.316454	0.631596	False
ENSG000000000001	MRC2	0.315963	0.0101172	False
ENSG000000010001	NR2C2AP	0.315921	0.179826	False
ENSG000000010001	ZNF326	0.315859	0.00163109	False
ENSG000000010001	PSAP	0.315786	6.06E-07	False
ENSG000000010001	PDZD11	0.31576	0.00847055	False
ENSG000000010001	SDCBP	0.315355	1.39E-05	False
ENSG000000010001	TMEM14C	0.315339	4.90E-07	False
ENSG000000010001	PPP1R3C	0.315222	0.606138	True
ENSG000000010001	ACTRT3	0.315185	0.336345	False
ENSG000000010001	TIAM2	0.315183	0.781811	False
ENSG000000010001	BICC1	0.315011	0.443417	False
ENSG000000000001	IBTK	0.314857	0.00017828	False
ENSG000000000001	WDFY1	0.314617	0.259243	False
ENSG000000010001	MICU2	0.314572	0.234218	False
ENSG000000010001	KRBA2	0.314566	0.489443	False
ENSG000000010001	ZNF546	0.314501	0.607372	False
ENSG000000020001	FOXD1	0.314278	0.486622	False
ENSG000000010001	KIAA0232	0.314085	0.237228	False
ENSG000000010001	ZC3H12C	0.313921	0.620384	False
ENSG000000010001	KYAT1	0.313798	0.309422	False
ENSG000000010001	HAP1	0.313721	0.90279	False
ENSG000000010001	RILPL1	0.313508	0.309422	False
ENSG000000020001	ADAT3	0.313419	0.710352	False
ENSG000000010001	AMY1B	0.313372	0.58674	False
ENSG000000010001	ITPKA	0.313215	0.683387	False
ENSG000000000001	PIGB	0.313042	0.139039	False
ENSG000000010001	TCP11L2	0.313036	0.898104	False
ENSG000000010001	RB1	0.312964	0.00449532	True
ENSG000000010001	GNAI1	0.312822	0.12691	True
ENSG000000010001	RAPH1	0.312531	0.0298704	False
ENSG000000010001	PRSS16	0.312317	0.572442	False
ENSG000000020001	TRIM39-RPP2	0.31222	0.0160483	False
ENSG000000010001	BTN3A3	0.312157	0.36419	False
ENSG000000010001	ABCC10	0.311913	0.504349	False
ENSG000000020001	CYB5RL	0.311832	0.393848	False
ENSG000000010001	LONP2	0.311697	0.0101876	False
ENSG000000010001	ZNF703	0.311597	0.24147	False
ENSG000000010001	ANKRD29	0.311427	0.31061	False
ENSG000000010001	NENF	0.311416	0.00526249	False
ENSG000000010001	FAM219B	0.311314	0.0366958	False
ENSG000000010001	MMD	0.311028	0.577455	False
ENSG000000010001	TMEM237	0.31084	0.0019059	False
ENSG000000010001	ZFYVE9	0.310638	0.460335	False
ENSG000000000001	CMTM6	0.310617	0.00013357	False
ENSG000000010001	SMURF2	0.31052	0.137647	False
ENSG000000010001	ENO2	0.310481	0.46415	False
ENSG000000010001	HAS2	0.310467	0.690599	False



ENSG0000019 ZXDA	0.310255	0.615304	False
ENSG0000019 STK39	0.310214	0.0703291	False
ENSG0000018 LIN54	0.310141	0.120384	False
ENSG0000019 SLC30A3	0.310117	0.469035	False
ENSG0000019 CENPU	0.309902	0.0251421	False
ENSG0000019 LRRC20	0.309762	0.855843	False
ENSG0000016 MARF1	0.309651	0.116684	True
ENSG0000024 RPP21	0.309328	0.0168551	False
ENSG0000019 SFI1	0.309193	0.656968	False
ENSG0000019 CLTB	0.309105	0.0535441	False
ENSG0000019 TEX30	0.309086	0.00126019	False
ENSG0000029 SFT2D2	0.309071	0.00238294	False
ENSG0000029 NDUFAF8	0.308813	8.61E-07	True
ENSG0000019 MREG	0.308417	0.669887	False
ENSG0000019 PA2G4	0.308089	8.03E-07	False
ENSG0000019 DNAJC5	0.307982	0.0022148	False
ENSG0000016 FAM171A2	0.307925	0.460262	False
ENSG0000019 PERP	0.307889	4.46E-08	True
ENSG0000016 TBC1D2B	0.307885	0.371748	False
ENSG0000018 CYP2R1	0.307505	0.556356	False
ENSG0000019 MIEF2	0.307295	0.695015	False
ENSG0000019 CSPG5	0.307254	0.333474	False
ENSG0000009 PGM1	0.30684	0.0435554	False
ENSG0000019 SMAP1	0.30681	0.00038743	False
ENSG0000016 PGM2	0.306725	0.0121722	False
ENSG0000018 CEP57L1	0.306704	0.0136983	False
ENSG0000026 FSBP	0.306348	0.508436	False
ENSG0000018 SV2B	0.306194	0.727231	False
ENSG0000019 NAGPA	0.30607	0.212661	False
ENSG0000019 MOB3B	0.306061	0.0850746	False
ENSG0000016 ALDH7A1	0.305896	0.00031599	False
ENSG0000019 AAK1	0.305875	0.00644745	False
ENSG0000009 VDAC3	0.3057	6.73E-07	False
ENSG0000019 ZNF57	0.305621	0.66465	False
ENSG0000019 CLK4	0.305527	0.285034	False
ENSG0000019 LAMB2	0.305298	0.407369	False
ENSG0000019 PLEK2	0.305221	0.602204	False
ENSG0000009 CENPQ	0.305168	0.251251	False
ENSG0000009 CD44	0.305009	2.24E-05	False
ENSG0000016 ZFYVE19	0.304806	0.473788	False
ENSG0000019 DAB2IP	0.304421	0.309734	False
ENSG0000019 SELENOW	0.304398	0.00596583	False
ENSG0000019 ETHE1	0.304289	0.308254	False
ENSG0000009 PHF20	0.304221	0.00193479	False
ENSG0000019 CEP76	0.304131	0.177123	False
ENSG0000018 H2AC6	0.304112	0.325412	False
ENSG0000029 HNRNPUL2-B9	0.303984	0.214652	False
ENSG0000008 DOP1A	0.303896	0.529887	False
ENSG0000014 SPOPL	0.303713	0.411384	False
ENSG0000019 ITGAV	0.303595	6.45E-05	False
ENSG0000019 RBBP7	0.303375	1.39E-05	False
ENSG0000019 SPRYD4	0.303269	0.175728	False

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ENSG00000001616	PLPP1	0.3031	0.20652	False
ENSG00000010161	PLS1	0.303065	0.323251	False
ENSG00000010161	SNRNP27	0.302934	0.00641971	False
ENSG00000010161	SPPL2A	0.302901	0.0104608	False
ENSG00000001616	SUCO	0.30288	0.0987163	False
ENSG00000010161	TMEM165	0.30286	0.0193812	False
ENSG00000010161	CORO6	0.302674	0.788475	False
ENSG00000010161	STOM	0.3026	0.00128895	True
ENSG00000010161	NBPF3	0.302516	0.620934	False
ENSG00000020161	ARHGAP23	0.302356	0.159299	False
ENSG00000010161	ARL17A	0.302353	0.040919	False
ENSG00000010161	NDUFA3	0.302308	0.0177729	False
ENSG00000001616	HEBP1	0.30207	0.0301509	False
ENSG00000020161	TWF2	0.301976	0.0090813	False
ENSG00000010161	LYST	0.301671	0.270321	False
ENSG00000001616	WDR7	0.301542	0.352539	False
ENSG00000010161	TLCD5	0.301154	0.375868	False
ENSG00000010161	LVRN	0.301093	0.899687	False
ENSG00000001616	MYLK	0.300627	0.270123	False
ENSG00000010161	GGCX	0.300596	0.050584	False
ENSG00000010161	DUSP16	0.300541	0.011924	False
ENSG00000020161	C1orf53	0.300507	0.515479	False
ENSG00000001616	MYO9B	0.300251	0.208237	False
ENSG00000010161	TRAPPC6B	0.300207	0.0991306	False
ENSG00000010161	TMEM62	0.300153	0.368888	False
ENSG00000010161	MFSD3	0.300045	0.0683307	False
ENSG00000001616	HOMER3	0.300026	0.103038	False
ENSG00000010161	KATNA1	0.299947	0.00870369	False
ENSG00000010161	TUBB4B	0.299752	2.33E-08	False
ENSG00000010161	GPR107	0.299691	0.00089417	False
ENSG00000010161	RFC5	0.299636	0.0138019	False
ENSG00000010161	LGMN	0.299525	0.0394016	False
ENSG00000010161	BSCL2	0.299412	0.23464	False
ENSG00000010161	PARP9	0.299401	0.299114	False
ENSG00000010161	SNED1	0.299113	0.721405	False
ENSG00000010161	PPCDC	0.299049	0.760865	False
ENSG00000010161	SPTSSA	0.298721	0.00222549	False
ENSG00000010161	PDLIM5	0.29869	0.00077985	False
ENSG00000020161	RAB6D	0.298681	0.424034	False
ENSG00000001616	FAM50A	0.298659	0.171159	False
ENSG00000001616	MAP3K1	0.298529	0.0912802	False
ENSG00000010161	FLNA	0.298441	1.27E-09	False
ENSG00000010161	MIER2	0.298294	0.553052	False
ENSG00000010161	LRRC51	0.298099	0.607829	False
ENSG00000010161	SPRYD7	0.29803	0.0220644	False
ENSG00000010161	LRRC28	0.298018	0.582339	False
ENSG00000010161	ZSWIM9	0.297803	0.443966	False
ENSG00000010161	CHD5	0.297715	0.746131	False
ENSG00000010161	DIPK2A	0.297298	0.119047	False
ENSG00000010161	RCE1	0.297122	0.725767	False
ENSG00000010161	DIP2A	0.296675	0.199656	False

ENSG000001010001	DNAJC12	0.296544	0.0753725	False
ENSG000001010001	YJU2B	0.295774	0.222722	False
ENSG000001010001	UGDH	0.295708	0.00728096	False
ENSG000001010001	CYB5A	0.29553	0.0475004	False
ENSG000001010001	ZBTB47	0.295521	0.474512	False
ENSG000000010001	SNX1	0.295332	0.00035863	False
ENSG000000210001	AMY1A	0.295264	0.61098	False
ENSG000001010001	CAPS	0.295239	0.942094	False
ENSG000001010001	GPHN	0.295172	0.389078	False
ENSG000001010001	ATP6VOC	0.29506	8.47E-05	False
ENSG000001010001	UTP3	0.295048	0.00204954	True
ENSG000001010001	SLIT2	0.294868	0.689287	False
ENSG000001010001	NLRC5	0.294862	0.489551	False
ENSG000001010001	FLNB	0.294824	0.00539464	False
ENSG000000010001	LIMA1	0.294785	3.55E-06	True
ENSG000001010001	FER	0.294721	0.152409	False
ENSG000001010001	FARP1	0.29463	0.00327854	False
ENSG000000010001	ARHGAP31	0.294445	0.874658	False
ENSG000001010001	GALNT11	0.294256	0.177799	False
ENSG000001010001	HARBI1	0.294234	0.578548	False
ENSG000001010001	DUSP22	0.294131	0.0565653	False
ENSG000001010001	ULBP3	0.293959	0.3769	False
ENSG000001010001	SCARB2	0.293725	0.007833	False
ENSG000001010001	COQ4	0.293695	0.0474787	False
ENSG000001010001	RAB42	0.293576	0.511886	False
ENSG000001010001	SLC38A2	0.293567	2.65E-08	False
ENSG000001010001	CCDC50	0.293368	0.00117468	False
ENSG000001010001	ROM1	0.293342	0.599898	False
ENSG000000010001	ZNF213	0.293002	0.736333	False
ENSG000001010001	TRIM3	0.292929	0.819907	False
ENSG000000210001	MICB	0.292683	0.0995921	False
ENSG000000010001	ZNF324	0.292621	0.377415	False
ENSG000001010001	PARP8	0.292469	0.364774	False
ENSG000000210001	ACBD6	0.291876	0.0197982	False
ENSG000001010001	EDARADD	0.291854	0.789216	False
ENSG000000010001	RHBDF1	0.291793	0.375735	False
ENSG000001010001	PAQR8	0.291694	0.670217	False
ENSG000001010001	TLCD4	0.291443	0.0897572	False
ENSG000001010001	USB1	0.291365	0.12454	False
ENSG000001010001	CCNE1	0.291155	0.0803503	False
ENSG000001010001	AARS2	0.291015	0.177799	False
ENSG000001010001	SELENBP1	0.291002	0.130543	False
ENSG000001010001	CALM1	0.290962	4.37E-12	False
ENSG000001010001	KIAA1614	0.290833	0.795313	False
ENSG000001010001	ABHD12	0.290634	0.340787	False
ENSG000001010001	PTRH1	0.290424	0.301166	False
ENSG000001010001	STARD3	0.290422	0.34726	False
ENSG000000210001	LY6G5B	0.290338	0.00553759	False
ENSG000001010001	SUOX	0.290077	0.481294	False
ENSG000001010001	PLOD2	0.289903	0.0616609	False
ENSG000000010001	ABHD5	0.289798	0.0731523	False
ENSG000001010001	PLA2G15	0.289772	0.448252	False

ENSG000001: EXPH5	0.289623	0.405051	False
ENSG000001: C16orf46	0.289504	0.668212	False
ENSG000001: MYO5A	0.289409	0.129817	False
ENSG000001: CTSV	0.289357	0.45189	False
ENSG000001: MEAK7	0.288824	0.351551	False
ENSG000000: RAD51	0.288727	0.0591534	False
ENSG000001: OSBPL11	0.2887	0.116609	False
ENSG000001: FRMD6	0.288495	0.525216	False
ENSG000001: CUTA	0.288309	0.00204301	False
ENSG000001: TNFRSF13C	0.288081	0.880727	False
ENSG000001: TMEM9B	0.288038	0.00513448	False
ENSG000002: HLA-E	0.287586	0.235723	False
ENSG000001: TAF13	0.287585	0.00327854	False
ENSG000001: CYRIB	0.287515	4.74E-05	False
ENSG000001: CC2D1B	0.287217	0.465649	False
ENSG000001: PRKCI	0.287062	0.0461164	False
ENSG000001: METTL15	0.286966	0.063753	False
ENSG000001: MT-CO1	0.286538	1.09E-09	False
ENSG000002: SAPCD1	0.28644	0.648773	False
ENSG000001: BLVRA	0.286407	0.0731523	False
ENSG000001: MICAL1	0.286108	0.438822	False
ENSG000001: FBXO34	0.286083	0.241292	False
ENSG000001: CBY1	0.286054	0.249824	False
ENSG000002: MSH5-SAPCD1	0.28597	0.566851	False
ENSG000001: SMG5	0.285909	0.592502	False
ENSG000001: MT-ND1	0.285818	5.79E-11	False
ENSG000000: SLC9A1	0.285737	0.577468	True
ENSG000001: UBALD2	0.285736	0.184438	False
ENSG000001: CPZ	0.285734	0.395114	False
ENSG000001: KLHDC2	0.285636	0.00708661	False
ENSG000001: Rraga	0.285489	0.00077023	False
ENSG000001: RRM1	0.285301	4.50E-11	False
ENSG000001: CIAO2B	0.285283	0.0579464	False
ENSG000001: ANXA11	0.285262	0.0353381	False
ENSG000001: WDR5B	0.284928	0.632334	False
ENSG000001: DZIP1L	0.284806	0.418819	False
ENSG000000: CASP8	0.284752	0.564879	False
ENSG000001: MBOAT1	0.284696	0.136569	False
ENSG000001: PANX1	0.284661	0.353669	False
ENSG000001: KLF7	0.284625	0.0406768	False
ENSG000001: CEP126	0.284611	0.484273	False
ENSG000001: URB1	0.284433	0.280903	False
ENSG000001: ILVBL	0.284396	0.325931	False
ENSG000001: PLXNB1	0.284168	0.5801	False
ENSG000001: RWDD4	0.284063	0.00815889	False
ENSG000002: PET100	0.284006	0.00039715	False
ENSG000000: FBXO42	0.283979	0.352767	False
ENSG000002: PLEKHO2	0.283815	0.599061	False
ENSG000001: ELL2	0.283687	0.00631103	False
ENSG000001: DNPH1	0.283679	1.75E-05	False
ENSG000001: WDR90	0.283491	0.101572	False
ENSG000001: PPP2R2B	0.283483	0.0242265	False

ENSG0000014 COL6A1	0.283319	0.109979	False
ENSG0000011 CMAS	0.283269	0.0445019	False
ENSG0000006 GRIPAP1	0.283253	0.0244133	False
ENSG0000019 NECAP2	0.282996	0.333209	False
ENSG0000008 OTUB2	0.282636	0.897059	False
ENSG0000014 MCL1	0.28257	1.15E-06	False
ENSG0000017 CERS6	0.282523	0.0781788	False
ENSG0000014 ZFH3	0.282271	0.00160286	False
ENSG0000016 SCARA3	0.28224	0.00513448	False
ENSG0000003 ATP6V0A1	0.282158	0.279801	False
ENSG0000014 GAREM1	0.281894	0.649346	False
ENSG0000009 PLEKHA5	0.28183	0.0300332	False
ENSG0000019 OTULIN	0.281745	0.0950749	False
ENSG0000013 ABCB10	0.281563	0.18573	False
ENSG0000006 STPG1	0.281549	0.827232	False
ENSG0000020 PARG	0.281542	0.309422	False
ENSG0000017 GAK	0.281087	0.0233849	False
ENSG0000017 GNG12	0.281053	0.00330991	False
ENSG0000019 SLC25A27	0.280941	0.710854	False
ENSG0000019 CNTNAP3B	0.280831	0.513535	False
ENSG0000024 JMJD7	0.280521	0.333302	False
ENSG0000009 BCAR1	0.280289	0.250769	False
ENSG0000026 FAM216A	0.280197	0.00057029	False
ENSG0000006 PLXND1	0.279983	0.531659	False
ENSG0000019 PLEKHG4	0.279878	0.0223465	False
ENSG0000020 PPT2	0.279765	0.236849	False
ENSG0000016 MED11	0.279712	0.406606	False
ENSG0000019 ARMCX4	0.279617	0.707798	False
ENSG0000013 RBM38	0.27931	0.0611303	False
ENSG0000013 PNISR	0.279212	6.43E-06	False
ENSG0000026 ZBTB10	0.279209	0.147083	False
ENSG0000013 CLOCK	0.279161	0.0361139	False
ENSG0000014 CCDC15	0.279021	0.658136	False
ENSG0000018 BRCC3	0.27902	0.0140383	False
ENSG0000008 RBBP9	0.278948	0.268733	False
ENSG0000006 SLC25A5	0.278944	1.05E-07	False
ENSG0000009 SPAG7	0.278905	0.00063122	False
ENSG0000018 RPH3AL	0.278854	0.829705	False
ENSG0000016 NDFIP2	0.278721	0.01345	False
ENSG0000017 RNF227	0.278639	0.514267	False
ENSG0000017 RNPEP	0.278587	0.00372736	False
ENSG0000016 ARL2BP	0.278579	0.0895549	False
ENSG0000019 MIER3	0.278372	0.246344	False
ENSG0000016 PRMT2	0.278086	0.0180503	True
ENSG0000007 GRAMD1B	0.278079	0.215937	False
ENSG0000014 APP	0.277976	0.00185194	True
ENSG0000013 DTNB	0.27774	0.717237	False
ENSG0000017 COX8A	0.277563	0.00029819	False
ENSG0000013 SAYSD1	0.277349	0.24479	False
ENSG0000019 PELO	0.277217	0.0742348	False
ENSG0000019 KIAA1671	0.276994	0.345778	False
ENSG0000013 KAT2B	0.276643	0.699644	False

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ENSG00000042TNC	0.276454	0.822327	False
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ENSG00000101STIM1	0.276202	0.0715673	False
ENSG00000101SLFN12	0.276063	0.307933	False
ENSG00000101SPIN2A	0.275848	0.444811	False
ENSG00000101ERBB2	0.275741	0.259243	False
ENSG00000101GFPT2	0.275626	0.525858	False
ENSG00000101EVA1B	0.275584	0.737344	False
ENSG00000101ZNF738	0.275559	0.417522	False
ENSG00000101TEPSIN	0.275412	0.270607	True
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ENSG00000101PNPO	0.274949	0.0188002	False
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ENSG00000101SLC35E4	0.274561	0.798896	False
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ENSG00000101NETO2	0.274361	0.0035146	False
ENSG00000101MYPOP	0.27429	0.251409	False
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ENSG00000101DBR1	0.27422	0.0519661	False
ENSG00000101BCO2	0.274186	0.901054	False
ENSG00000101MANBA	0.274059	0.123764	False
ENSG00000101CMC4	0.274017	0.300461	False
ENSG00000101PKIA	0.273829	0.575642	False
ENSG00000101ACTR10	0.273768	0.00086642	False
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ENSG00000101PCYT1A	0.273605	0.0336239	False
ENSG00000101VTI1A	0.273383	0.415156	False
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ENSG00000101XPC	0.272652	0.0598185	True
ENSG00000101RCAN3	0.272558	0.361244	False
ENSG00000101KATNAL1	0.272558	0.309422	False
ENSG00000101SNX19	0.272317	0.212255	False
ENSG00000101B4GALNT1	0.272099	0.0727627	False
ENSG00000101TADA3	0.272096	0.255767	False
ENSG00000101ACTC1	0.271634	0.0555155	False
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ENSG00000001VMP1	0.271459	0.00037913	False

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ENSG000001: ENOPH1	0.271384	0.0111614	False
ENSG000000: PHF7	0.271379	0.865443	False
ENSG000001: UPF3A	0.271312	0.00779021	False
ENSG000001: HPS6	0.271148	0.0882109	False
ENSG000000: SDCCAG8	0.270996	0.225653	False
ENSG000001: TTC3	0.270901	0.00486132	False
ENSG000001: STAT6	0.270723	0.0200473	False
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ENSG000000: LASP1	0.270172	0.00014278	False
ENSG000001: SERPINH1	0.269988	0.00106691	False
ENSG000001: SEC22A	0.269835	0.299065	False
ENSG000001: GLIS3	0.269724	0.648404	False
ENSG000001: DENND1A	0.269668	0.441901	False
ENSG000001: COL6A5	0.269539	0.909114	False
ENSG000001: NSD1	0.26917	0.094426	False
ENSG000001: CTRL	0.269087	0.902097	False
ENSG000001: PRAME	0.269065	0.109665	False
ENSG000002: HEXA	0.268985	0.185744	False
ENSG000001: CLSTN1	0.268957	0.0301509	False
ENSG000000: NFATC3	0.268828	0.00047266	False
ENSG000002: SLC10A5	0.268756	0.901258	False
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ENSG000001: LRRK1	0.268491	0.431119	False
ENSG000001: SEC24D	0.268413	0.0611184	False
ENSG000001: ZBTB46	0.268206	0.698814	False
ENSG000002: TAS2R20	0.268083	0.73812	False
ENSG000001: H2AZ1	0.268013	9.92E-10	False
ENSG000001: STK32C	0.267867	0.33824	False
ENSG000001: DIS3L2	0.267852	0.577455	False
ENSG000001: TULP4	0.267413	0.050484	False
ENSG000001: NPHP1	0.267412	0.503532	False
ENSG000001: C2CD2L	0.267332	0.331425	False
ENSG000001: TM2D1	0.267326	0.00941772	False
ENSG000001: FILIP1	0.267306	0.902292	False
ENSG000000: MRI1	0.267201	0.0560804	False
ENSG000002: C19orf73	0.266953	0.910879	False
ENSG000001: NPTX1	0.266891	0.00677743	False
ENSG000001: ZSCAN9	0.266863	0.311867	False
ENSG000001: SPRED2	0.266828	0.335757	False
ENSG000002: GALT	0.266573	0.566106	False
ENSG000000: EIPR1	0.266371	0.480905	False
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ENSG000001: FAN1	0.265974	0.308848	False
ENSG000001: ACVR1	0.265624	0.676647	False
ENSG000001: C9orf40	0.265604	0.095775	False
ENSG000001: THAP2	0.265332	0.558572	False
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ENSG000000: RC3H2	0.265091	8.12E-05	False
ENSG000001: GFPT1	0.265026	0.00449249	False
ENSG000001: EPM2AIP1	0.264946	0.0143011	True
ENSG000002: TMEM35B	0.264792	0.421354	False

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ENSG0000019 SCOC	0.26447	0.0408791	False
ENSG0000016 ASCC2	0.264439	0.141519	False
ENSG0000020 EML6	0.264398	0.646398	False
ENSG0000017 SSR1	0.264284	7.73E-06	False
ENSG0000018 DMWD	0.263993	0.357967	False
ENSG0000016 CXCL16	0.263946	0.564746	False
ENSG0000019 PPA2	0.263255	0.0147413	False
ENSG0000019 PAPSS1	0.263202	0.0686957	False
ENSG0000016 VRK3	0.262885	0.327695	False
ENSG0000016 CLHC1	0.262547	0.406196	False
ENSG0000019 MOSPD2	0.262455	0.216822	False
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ENSG0000017 ARID3B	0.262287	0.285951	False
ENSG0000017 CCDC71	0.262238	0.286083	False
ENSG0000017 MOB1B	0.262127	0.446857	False
ENSG0000017 CLK3	0.262036	0.364309	False
ENSG0000009 CREM	0.262014	0.0632145	False
ENSG0000019 RAB3GAP1	0.261797	0.0296202	False
ENSG0000016 DVL3	0.261742	0.0150105	False
ENSG0000016 VPS18	0.261706	0.305624	False
ENSG0000017 HECTD4	0.261397	0.418922	False
ENSG0000019 CARHSP1	0.261278	0.121485	False
ENSG0000016 POP1	0.261253	0.099602	False
ENSG0000016 RUSC1	0.26104	0.0331985	False
ENSG0000017 RAB43	0.260943	0.654584	False
ENSG0000006 RHOA	0.260933	1.79E-06	False
ENSG0000007 PPP1R12B	0.260845	0.111811	False
ENSG0000020 NDUFC2-KCTD	0.260649	0.00578666	False
ENSG0000020 NBPF1	0.260502	0.0803312	False
ENSG0000016 STK24	0.260264	0.00155219	False
ENSG0000016 UFSP2	0.260189	0.273032	False
ENSG0000014 DYNLT1	0.26004	0.00810323	False
ENSG0000019 DCP1B	0.259979	0.471392	True
ENSG0000009 UNKL	0.259945	0.132842	False
ENSG0000019 PHF6	0.259938	0.0006946	False
ENSG0000016 IFT27	0.259934	0.756177	False
ENSG0000016 CYB5R3	0.259885	0.003728	False
ENSG0000019 TRPV1	0.259724	0.801632	False
ENSG0000017 NSUN3	0.259644	0.257102	False
ENSG0000017 FBXL5	0.259476	0.154714	False
ENSG0000017 TMTC2	0.259076	0.332999	False
ENSG0000006 IDH3G	0.258924	0.335478	False
ENSG0000017 ZDHHC13	0.258685	0.53603	False
ENSG0000014 VGLL4	0.258625	0.321573	False
ENSG0000018 SLC36A4	0.258564	0.163249	False
ENSG0000016 RAVR2	0.258457	0.414123	False
ENSG0000014 RNF165	0.258061	0.68638	False
ENSG0000017 C6orf62	0.258051	0.0089846	False
ENSG0000016 HSPB1	0.257986	0.00017339	False



ENSG0000014 ULK3	0.257951	0.0893473	False
ENSG0000011 GLI1	0.257905	0.805431	False
ENSG0000014 C9orf72	0.257845	0.45388	False
ENSG0000011 TP53I13	0.257812	0.499799	False
ENSG0000011 MYOF	0.257803	0.0983392	False
ENSG0000014 JPH2	0.257513	0.620182	False
ENSG0000011 SSR4	0.2575	0.029445	False
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ENSG0000014 EVI5L	0.257375	0.699398	False
ENSG0000011 LZTS2	0.25723	0.542203	False
ENSG0000011 CYSTM1	0.257134	0.0777216	False
ENSG0000011 PRR16	0.257058	0.866038	False
ENSG0000011 NDUFS5	0.257054	4.13E-07	False
ENSG0000021 MT-ND4L	0.256966	4.53E-05	False
ENSG0000011 KLF3	0.256625	0.474588	False
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ENSG0000011 GALNT5	0.256507	0.908008	False
ENSG0000011 ABHD13	0.256502	0.260729	False
ENSG0000001 FAM135A	0.256427	0.181253	False
ENSG0000014 TBC1D7	0.256374	0.290613	False
ENSG0000011 ZNF696	0.256335	0.289281	False
ENSG0000011 HPS1	0.256219	0.515265	False
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ENSG0000011 IFNLR1	0.255626	0.655265	False
ENSG0000021 OXLD1	0.25552	0.304514	False
ENSG0000011 CCNG2	0.255223	0.200157	False
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ENSG0000011 ASB8	0.255132	0.154486	False
ENSG0000011 AK9	0.254949	0.625606	False
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ENSG0000014 RUBCN	0.254626	0.270204	False
ENSG0000011 ACADL	0.254265	0.45614	False
ENSG0000014 ALDH9A1	0.254114	0.0315941	False
ENSG0000011 FBXL15	0.253767	0.58662	False
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ENSG0000011 FEZ2	0.25296	0.192619	False
ENSG0000011 CCNI	0.25289	5.48E-08	False
ENSG0000014 LNPk	0.252837	0.0641125	False
ENSG0000011 ACCS	0.252736	0.724189	False
ENSG0000011 UGGT2	0.252631	0.204592	False
ENSG0000011 BPNT1	0.252553	0.110464	False
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ENSG0000011 SLC17A5	0.252479	0.180526	False
ENSG0000011 ARRDC2	0.252304	0.447092	False
ENSG0000011 NIBAN2	0.252187	0.0118934	False
ENSG0000011 CDK19	0.252028	0.0619713	False
ENSG0000011 ATP5IF1	0.251891	8.01E-06	False
ENSG0000011 IMP3	0.251871	0.00050157	False
ENSG0000011 HOXC5	0.251836	0.658007	False
ENSG0000014 CYP4V2	0.251759	0.77584	False
ENSG0000014 SPAG16	0.251758	0.157551	False
ENSG0000011 AQP11	0.251739	0.90393	False

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ENSG0000010 EIF2B2	0.251169	0.109094	False
ENSG0000020 NDUFA7	0.250899	0.116214	False
ENSG0000010 SDCBP2	0.250829	0.863586	False
ENSG0000010 MED16	0.25082	0.740362	False
ENSG0000010 JAK1	0.250752	0.0330091	False
ENSG0000014 DTL	0.250671	0.00173248	False
ENSG0000010 EGR1	0.250653	0.152182	False
ENSG0000010 HES4	0.250517	0.632182	False
ENSG0000010 SAR1B	0.250384	0.0120223	False
ENSG0000010 PLEKHF2	0.250067	0.47709	False
ENSG0000000 TNFRSF12A	0.250049	0.0635746	False
ENSG0000010 H2BC26	0.249827	0.901054	False
ENSG0000010 B9D2	0.249814	0.421092	False
ENSG0000010 CLP1	0.249709	0.232657	True
ENSG0000010 SLC15A4	0.249665	0.198852	False
ENSG0000000 TFRC	0.249628	0.000136	False
ENSG0000000 KLHL22	0.24949	0.501146	False
ENSG0000010 NFAT5	0.249439	0.147407	False
ENSG0000010 SDR16C5	0.249307	0.221207	False
ENSG0000010 ARID3A	0.249187	0.015229	False
ENSG0000010 APMAP	0.249181	0.0192093	False
ENSG0000000 NUAK1	0.249155	0.112903	False
ENSG0000010 ZNF436	0.24896	0.645385	False
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ENSG0000010 TCEAL8	0.248764	0.0500068	False
ENSG0000000 MTMR1	0.24851	0.0616434	False
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ENSG0000024 H2AJ	0.24794	0.454771	True
ENSG0000010 TMEM245	0.247765	0.027101	False
ENSG0000010 SMARCA1	0.24744	0.0110575	False
ENSG0000010 TMEM54	0.247439	0.650129	False
ENSG0000010 SENP6	0.247281	0.0512357	False
ENSG0000010 SMIM4	0.247251	0.00818847	False
ENSG0000010 LIPT2	0.247153	0.79947	False
ENSG0000024 ZNF512	0.24712	0.434891	False
ENSG0000010 ATP6V0E2	0.247068	0.463809	False
ENSG0000010 CDK9	0.247042	0.74712	False
ENSG0000020 HLA-C	0.247022	0.0693744	False
ENSG0000014 VPS54	0.247017	0.275587	False
ENSG0000010 ACP2	0.246556	0.181253	False
ENSG0000010 VPS39	0.246398	0.644692	False
ENSG0000020 DDR1	0.246348	0.0449465	True
ENSG0000010 HIPK3	0.246256	0.0395752	False
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ENSG0000010 MARCHF5	0.245937	0.0299066	False
ENSG0000000 PTPN18	0.245757	0.584068	False
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ENSG0000019ITGB1	0.243883	7.31E-05	False
ENSG0000018MB21D2	0.243878	0.377063	False
ENSG0000011ARHGEF17	0.243794	0.199169	False
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ENSG0000011ARHGEF26	0.243411	0.629652	False
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ENSG0000011SGK1	0.242779	0.0519523	False
ENSG0000006PDK3	0.242735	0.285409	False
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ENSG0000011MAPK14	0.24123	0.0509833	False
ENSG0000013NEK1	0.2412	0.113703	False
ENSG0000016ZNF500	0.241103	0.540746	False
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ENSG0000014FURIN	0.240938	0.134977	False
ENSG0000013AMIGO2	0.240844	0.130394	False
ENSG0000013KIDINS220	0.240814	0.109979	False
ENSG0000013PLXNA3	0.240799	0.561909	False
ENSG0000011C2orf42	0.240707	0.779718	False
ENSG0000019CD55	0.240638	0.00010524	False
ENSG0000016CKAP2L	0.24031	0.0231454	False
ENSG0000011RAB5B	0.240295	0.176015	False
ENSG0000007ACADVL	0.240274	0.140412	False
ENSG0000019SCN3A	0.240233	0.915815	False
ENSG0000011ZBTB41	0.240209	0.16715	False
ENSG0000011DNAJB9	0.239891	0.50157	False
ENSG0000018TSPYL2	0.239857	0.636549	True
ENSG0000016RPP25L	0.239584	0.366082	False
ENSG0000014ACKR3	0.23953	0.540796	False

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ENSG0000019 MRPL39	0.23932	0.330394	True
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ENSG0000014 CCDC150	0.239173	0.724189	False
ENSG0000019 UHMK1	0.238944	0.0393401	False
ENSG0000017 FAM199X	0.23891	0.0784198	False
ENSG0000014 CORIN	0.238893	0.873835	False
ENSG0000029 ZNF286A-TBC1	0.238835	0.871635	False
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ENSG0000026 AGPAT1	0.238588	0.0458952	False
ENSG0000009 ITPR3	0.238536	0.180714	False
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ENSG0000017 CTBS	0.238493	0.666806	False
ENSG0000014 ABHD2	0.23841	0.389694	False
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ENSG0000014 JDP2	0.237807	0.361592	False
ENSG0000014 DGKZ	0.237742	0.319476	False
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ENSG0000008 RNF13	0.237359	0.276117	False
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ENSG0000014 DYRK3	0.236922	0.225976	True
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ENSG00000017	MDM1	0.170105	0.677014	False
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ENSG00000016	LMNA	0.169146	0.623037	True
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ENSG00000019	LSM11	0.167872	0.393428	False
ENSG00000016	GOLM2	0.167843	0.468416	False
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ENSG00000016	POLL	0.167674	0.752705	False
ENSG00000017	KHK	0.16751	0.863941	False

ENSG0000014	LACTB2	0.167481	0.463809	False
ENSG0000024	NAIP	0.167452	0.875357	False
ENSG0000016	ZEB2	0.167169	0.725927	False
ENSG0000017	ZNF133	0.167142	0.848027	False
ENSG0000013	PTGFRN	0.167099	0.511177	False
ENSG0000018	ANXA2	0.166982	0.00073089	False
ENSG0000011	ABHD14A-AC1	0.166975	0.686724	False
ENSG0000006	OAT	0.166728	0.244945	False
ENSG0000017	GOT1	0.166398	0.179251	False
ENSG0000009	TMED1	0.16622	0.54356	False
ENSG0000013	MTSS2	0.166027	0.650129	False
ENSG0000004	C12orf4	0.1658	0.553717	False
ENSG0000013	COG6	0.165597	0.490423	False
ENSG0000013	OSTF1	0.165584	0.715265	False
ENSG0000014	LINS1	0.165491	0.719161	False
ENSG0000018	P4HB	0.165467	0.0971187	False
ENSG0000016	ITGA2	0.165379	0.695902	False
ENSG0000016	ZC2HC1A	0.165329	0.474512	False
ENSG0000011	C3orf52	0.165308	0.712071	False
ENSG0000014	C17orf80	0.165224	0.543523	False
ENSG0000017	ANKLE2	0.165103	0.204508	False
ENSG0000017	EXOSC9	0.165069	0.160246	False
ENSG0000004	YTHDC2	0.165005	0.145639	False
ENSG0000013	MAPK8IP3	0.164844	0.805671	False
ENSG0000008	SSH1	0.164699	0.481047	False
ENSG0000014	UBR3	0.164692	0.541248	False
ENSG0000021	CKLF	0.164652	0.181226	False
ENSG0000003	RFC1	0.164614	0.0625061	False
ENSG0000017	RIN1	0.164612	0.635616	True
ENSG0000014	SLC20A1	0.164487	0.223937	False
ENSG0000011	P3H3	0.164437	0.531659	False
ENSG0000009	PITHD1	0.1643	0.29943	False
ENSG0000006	TSPAN6	0.164285	0.110079	False
ENSG0000013	CEPT1	0.164118	0.714729	False
ENSG0000016	C2orf68	0.16401	0.473898	False
ENSG0000006	MYCBP2	0.163869	0.118071	False
ENSG0000014	EFL1	0.163685	0.557319	False
ENSG0000016	BTD	0.16361	0.682969	False
ENSG0000016	FAM227B	0.163566	0.908473	False
ENSG0000013	EGLN1	0.163548	0.333279	False
ENSG0000017	ZNF217	0.163491	0.542203	False
ENSG0000021	RDM1	0.163197	0.824857	False
ENSG0000018	ZNF322	0.163146	0.632518	False
ENSG0000017	CNP	0.162952	0.230107	False
ENSG0000016	TKT	0.162913	0.00738781	False
ENSG0000011	PHF13	0.162819	0.516237	False
ENSG0000019	MSRB1	0.162681	0.527899	False
ENSG0000011	ZC3H18	0.162675	0.2112	False
ENSG0000016	LPIN2	0.16263	0.548259	False
ENSG0000017	TOP3A	0.162576	0.538268	False
ENSG0000001	RNF14	0.162566	0.191284	False
ENSG0000011	MTRF1L	0.16251	0.282849	False

ENSG0000010162348	0.162348	0.0449465	False
ENSG0000010162211	0.162211	0.222827	False
ENSG0000010161812	0.161812	0.341245	False
ENSG0000010161733	0.161733	0.380376	False
ENSG0000010161583	0.161583	0.542937	False
ENSG0000010161543	0.161543	0.308882	False
ENSG0000010161148	0.161148	0.0023159	False
ENSG0000010161065	0.161065	0.601422	False
ENSG0000000161059	0.161059	0.682392	False
ENSG0000000161038	0.161038	0.209019	False
ENSG0000010160903	0.160903	0.307233	False
ENSG0000010160882	0.160882	0.465502	False
ENSG0000010160864	0.160864	0.866038	False
ENSG000000016085	0.16085	0.166056	False
ENSG0000010160822	0.160822	0.497833	False
ENSG0000010160819	0.160819	0.540197	False
ENSG0000000160714	0.160714	0.29942	False
ENSG000001016057	0.16057	0.698597	False
ENSG0000010160549	0.160549	0.0480039	False
ENSG0000000160252	0.160252	0.280506	False
ENSG0000010160078	0.160078	0.601078	False
ENSG0000010159946	0.159946	0.309751	False
ENSG0000010159929	0.159929	0.280903	True
ENSG0000010159712	0.159712	0.445121	False
ENSG0000010159515	0.159515	0.668291	False
ENSG0000010159484	0.159484	0.807949	False
ENSG0000010159473	0.159473	0.0981496	False
ENSG0000010159466	0.159466	0.427561	False
ENSG0000020159125	0.159125	0.351475	False
ENSG0000000159005	0.159005	0.817846	False
ENSG000001015887	0.15887	0.744315	False
ENSG0000010158693	0.158693	0.00045753	False
ENSG0000010158624	0.158624	0.77341	False
ENSG0000010158491	0.158491	0.00250912	False
ENSG0000010158458	0.158458	0.0431207	False
ENSG0000010158419	0.158419	0.726204	True
ENSG0000010158349	0.158349	0.296997	True
ENSG0000010158331	0.158331	0.103361	False
ENSG0000010158208	0.158208	0.393208	False
ENSG0000010158121	0.158121	0.203479	False
ENSG0000020158058	0.158058	0.907825	False
ENSG0000000157987	0.157987	0.450498	False
ENSG0000010157842	0.157842	0.554613	False
ENSG0000010157826	0.157826	0.231552	False
ENSG000000015781	0.15781	0.193683	False
ENSG000001015756	0.15756	0.444654	False
ENSG0000010157515	0.157515	0.85814	False
ENSG0000010157185	0.157185	0.860146	False
ENSG0000000157155	0.157155	0.489977	False
ENSG0000010157154	0.157154	0.32051	False
ENSG0000010156955	0.156955	0.0168624	False
ENSG000001015676	0.15676	0.425116	False

ENSG00000101	LTBP3	0.156244	0.716976	False
ENSG00000101	RGPD1	0.155961	0.864699	False
ENSG00000101	RGPD2	0.155961	0.864699	False
ENSG00000101	DCTN3	0.155904	0.559554	False
ENSG00000101	MCU	0.15588	0.489378	False
ENSG00000101	ATP6V1E1	0.155875	0.20357	False
ENSG00000001	BCL3	0.155856	0.428627	False
ENSG00000101	GNAQ	0.155803	0.168923	False
ENSG00000001	ADAT1	0.15576	0.407831	False
ENSG00000101	PATJ	0.155746	0.754923	False
ENSG00000001	GANAB	0.155743	0.0183021	False
ENSG00000101	STARD4	0.155727	0.285034	False
ENSG00000001	APPBP2	0.155634	0.397458	False
ENSG00000101	IRAK1BP1	0.155629	0.641746	False
ENSG00000021	IFI30	0.155584	0.184883	True
ENSG00000101	LPP	0.155507	0.235004	False
ENSG00000101	ZFAND3	0.155495	0.532131	False
ENSG00000001	PXN	0.155466	0.239743	False
ENSG00000001	XYLB	0.155339	0.721656	False
ENSG00000021	RUFY2	0.155319	0.725165	False
ENSG00000101	SECISBP2L	0.155101	0.489512	False
ENSG00000001	PER3	0.154969	0.77341	False
ENSG00000101	MESD	0.154931	0.0998114	False
ENSG00000101	JAZF1	0.154868	0.586135	False
ENSG00000101	UBE2D3	0.154842	0.00645985	False
ENSG00000101	TFDP1	0.154762	0.0293447	False
ENSG00000101	YIPF6	0.154578	0.256626	False
ENSG00000001	FAM3A	0.154461	0.604808	False
ENSG00000101	ZNF236	0.154447	0.668888	False
ENSG00000101	CSAG1	0.15433	0.548233	False
ENSG00000101	WDPCP	0.154246	0.636052	False
ENSG00000021	MCRIP1	0.154226	0.724189	False
ENSG00000101	NPC2	0.154225	0.188113	False
ENSG00000101	MAPKBP1	0.154191	0.670217	False
ENSG00000101	KDM8	0.154055	0.865295	False
ENSG00000101	NPAT	0.154048	0.572197	False
ENSG00000021	MIF	0.154007	0.0324844	False
ENSG00000101	SEPSECS	0.153975	0.786458	False
ENSG00000101	TRMT13	0.153933	0.718509	False
ENSG00000001	OGFOD1	0.153742	0.251116	False
ENSG00000101	DPY19L3	0.15365	0.622429	False
ENSG00000001	TECR	0.153492	0.563365	False
ENSG00000101	SOWAHC	0.153465	0.0961021	False
ENSG00000001	PCNP	0.153363	0.116609	False
ENSG00000101	TMEM45A	0.153328	0.333139	False
ENSG00000101	DEF8	0.153208	0.518462	False
ENSG00000101	RDH13	0.153138	0.628005	False
ENSG00000101	GTPBP8	0.153117	0.355717	False
ENSG00000101	ASPH	0.153097	0.0424801	False
ENSG00000101	SNRPA1	0.153042	0.057732	False
ENSG00000001	HADHA	0.153017	0.204796	False
ENSG00000101	TMEM59	0.152931	0.170478	False

ENSG0000010111	MAPK8	0.152867	0.529456	False
ENSG0000020111	RAB12	0.152707	0.154483	False
ENSG0000020111	PLA2G4B	0.152618	0.897059	False
ENSG0000010111	JMJD7-PLA2G	0.152618	0.897059	False
ENSG0000010111	QSOX1	0.152546	0.579587	False
ENSG0000010111	KCTD1	0.152308	0.529819	True
ENSG0000010111	ANO10	0.152268	0.689037	False
ENSG0000010111	TMTC1	0.152245	0.609308	False
ENSG0000010111	NUDT5	0.15219	0.10138	False
ENSG0000020111	NPIPA9	0.152136	0.562876	False
ENSG0000010111	NPIPA9	0.151953	0.562529	False
ENSG0000010111	KHDRBS3	0.151674	0.659885	False
ENSG0000000111	PSME1	0.151624	0.184532	False
ENSG0000010111	STAM	0.151621	0.40269	False
ENSG0000010111	S100A6	0.151537	0.00118116	False
ENSG0000000111	ATP2C1	0.151455	0.299065	False
ENSG0000010111	SEC23B	0.151409	0.246074	False
ENSG0000020111	ACY1	0.151205	0.724078	False
ENSG0000010111	CHSY1	0.151047	0.402424	False
ENSG0000010111	HSD17B4	0.151017	0.340023	False
ENSG0000010111	NCALD	0.150968	0.970237	False
ENSG0000010111	TRPC1	0.1509	0.632182	False
ENSG0000010111	GALNT2	0.15087	0.094426	False
ENSG0000010111	MCPH1	0.15086	0.607316	False
ENSG0000010111	IL15RA	0.150451	0.790622	False
ENSG0000000111	CD59	0.150435	0.0192088	False
ENSG0000010111	KBTBD3	0.150402	0.897059	False
ENSG0000010111	BIVM	0.150385	0.188693	False
ENSG0000010111	GPT2	0.150172	0.480974	False
ENSG0000010111	ZNF692	0.15009	0.734046	False
ENSG0000010111	UCP2	0.150065	0.275873	False
ENSG0000020111	PRR22	0.14999	0.980764	False
ENSG0000010111	FABP6	0.14999	0.980764	False
ENSG0000010111	LMTK3	0.149955	0.877697	False
ENSG0000010111	GAPDH	0.149807	0.00350999	False
ENSG0000010111	DYNC1L12	0.149753	0.0961543	False
ENSG0000000111	PALS1	0.149745	0.373881	False
ENSG0000010111	GPR176	0.149458	0.628127	False
ENSG0000010111	EID2	0.149448	0.219819	False
ENSG0000010111	KIN	0.149395	0.482684	False
ENSG0000010111	TMEM179B	0.149374	0.37979	False
ENSG0000010111	RERE	0.14936	0.48698	False
ENSG0000020111	BORCS7-ASMT	0.14933	0.820276	False
ENSG0000010111	TBC1D12	0.149256	0.750225	False
ENSG0000010111	HOXC9	0.149237	0.416489	False
ENSG0000010111	PHKB	0.149158	0.389798	False
ENSG0000010111	HADHB	0.149125	0.26652	False
ENSG0000000111	KIF1B	0.14903	0.272733	False
ENSG0000000111	RCN1	0.148792	0.108053	False
ENSG0000020111	RING1	0.148734	0.316871	False
ENSG0000010111	NEDD8	0.148733	0.0705107	False
ENSG0000000111	MKNK1	0.148619	0.568904	False

ENSG000002(C6orf136	0.148585	0.705645	False
ENSG000002(PRAF2	0.148459	0.461257	False
ENSG000001(HOXC6	0.148244	0.139734	False
ENSG000001(G6PC3	0.14814	0.626271	False
ENSG000001(PCMT1	0.147982	0.0353063	False
ENSG000000(ICA1	0.147812	0.90925	False
ENSG000001(GMEB1	0.147797	0.559361	False
ENSG000001(ATP5MG	0.147713	0.00429771	False
ENSG000002(NAP1L4	0.147618	0.0377581	False
ENSG000001(POLR2L	0.147422	0.126541	False
ENSG000001(GPNMB	0.147371	0.825385	False
ENSG000001(SLC9A5	0.147322	0.910267	False
ENSG000001(AKAP8	0.147308	0.31815	False
ENSG000001(COMMD8	0.147274	0.428043	False
ENSG000001(DDB1	0.147219	0.0329717	False
ENSG000001(ETFDH	0.147215	0.718768	False
ENSG000001(ZNF311	0.147094	0.773193	False
ENSG000002(NCOA4	0.147091	0.13148	False
ENSG000001(RBBP5	0.147055	0.379386	False
ENSG000001(FITM2	0.146926	0.550334	False
ENSG000001(DCTN2	0.146852	0.130351	False
ENSG000001(CSGALNACT2	0.146666	0.692443	False
ENSG000001(ARHGAP27	0.146586	0.835898	False
ENSG000001(HECTD2	0.146542	0.741185	False
ENSG000001(PBRM1	0.146515	0.172029	False
ENSG000001(SPIN4	0.146464	0.165273	False
ENSG000001(HRH1	0.146444	0.904891	False
ENSG000001(CPEB4	0.146231	0.797772	False
ENSG000002(TRIM16	0.146142	0.366213	False
ENSG000001(PLRG1	0.145989	0.31837	False
ENSG000001(CEP85	0.145976	0.633742	False
ENSG000001(ZNF18	0.145915	0.823891	False
ENSG000001(NFIL3	0.145786	0.486545	False
ENSG000002(LHX1	0.145786	0.91991	False
ENSG000000(SCML1	0.145703	0.44394	False
ENSG000001(FEM1C	0.145696	0.649148	False
ENSG000000(LAP3	0.145547	0.588845	False
ENSG000001(UQCRCQ	0.145532	0.00824269	False
ENSG000001(CDS1	0.145433	0.685484	False
ENSG000001(FBXO8	0.145395	0.743605	False
ENSG000001(PHF2	0.145376	0.491021	False
ENSG000001(EYA3	0.145258	0.379667	False
ENSG000001(CLPB	0.145092	0.289023	False
ENSG000001(UNC5B	0.144977	0.919837	False
ENSG000001(HEXIM1	0.144975	0.201396	True
ENSG000001(FYTTD1	0.144939	0.246668	False
ENSG000001(SH2B1	0.144933	0.327796	False
ENSG000000(MAP3K9	0.14473	0.886213	False
ENSG000001(IQGAP1	0.144664	0.0502318	False
ENSG000001(PACS1	0.14446	0.525216	False
ENSG000002(NPIPA2	0.144433	0.648404	False
ENSG000001(POLM	0.144421	0.911519	False

ENSG0000017 ZDHHC14	0.144265	0.593057	False
ENSG0000010 CD99L2	0.144229	0.546056	False
ENSG0000013 PRADC1	0.144087	0.686334	False
ENSG0000013 CAPN7	0.144086	0.493057	False
ENSG0000013 TTYH3	0.144048	0.261889	False
ENSG0000019 NEK7	0.14401	0.49551	False
ENSG0000010 EHD4	0.143883	0.746353	False
ENSG0000009 WHRN	0.143861	0.795413	False
ENSG0000010 GNPTAB	0.14371	0.450324	False
ENSG0000000 USH1C	0.143676	0.735764	False
ENSG0000000 LUC7L	0.143656	0.303089	False
ENSG0000014 ZFP14	0.143515	0.855843	False
ENSG0000013 CEP162	0.143449	0.699012	False
ENSG0000017 TAF12	0.143395	0.548259	False
ENSG0000013 RASGEF1B	0.143315	0.846236	False
ENSG0000010 NNT	0.143124	0.138319	False
ENSG0000010 NEK6	0.143112	0.305195	False
ENSG0000017 CHURC1-FNTE	0.14301	0.792562	False
ENSG0000013 CTSL	0.142986	0.213649	False
ENSG0000010 ATF3	0.142919	0.365428	True
ENSG0000009 MTA3	0.142832	0.630796	False
ENSG0000020 CEBPD	0.142822	0.515894	False
ENSG0000010 FXN	0.142736	0.626928	False
ENSG0000018 FOCAD	0.142731	0.472687	False
ENSG0000014 METTL21A	0.142654	0.408879	False
ENSG0000010 OXR1	0.14265	0.441971	False
ENSG0000019 SLC7A11	0.142543	0.0457414	True
ENSG0000000 MARK4	0.142497	0.650129	False
ENSG0000019 HSPB8	0.142493	0.657859	False
ENSG0000019 ELK4	0.142432	0.453536	False
ENSG0000014 MAP1LC3B	0.14242	0.172141	False
ENSG0000017 ASPHD1	0.14213	0.718768	False
ENSG0000008 AAMDC	0.142003	0.606502	False
ENSG0000010 IL4I1	0.141835	0.914947	False
ENSG0000019 FUT11	0.1416	0.837026	False
ENSG0000013 TXN	0.141484	0.532228	False
ENSG0000018 COPB2	0.141388	0.109665	False
ENSG0000008 LZTS3	0.141278	0.910517	False
ENSG0000020 SYT3	0.141193	0.976427	False
ENSG0000000 ZNF200	0.141153	0.533809	False
ENSG0000014 HNRNPLL	0.141015	0.459784	False
ENSG0000014 RABL2A	0.140703	0.645481	False
ENSG0000010 BBOF1	0.140617	0.914947	False
ENSG0000018 OGFOD3	0.140523	0.64374	False
ENSG0000020 STK19	0.140486	0.486622	False
ENSG0000013 SELENOS	0.140473	0.262352	False
ENSG0000013 USP15	0.140421	0.534736	True
ENSG0000017 NIPA1	0.140274	0.462622	False
ENSG0000017 RRP36	0.140224	0.426235	False
ENSG0000019 APPL1	0.139942	0.118319	False
ENSG0000010 ABHD18	0.139893	0.696078	False
ENSG0000017 SPECC1	0.13988	0.346758	False

ENSG000002: ANKRD39	0.139828	0.534632	False
ENSG000000: ATRN	0.139815	0.708742	False
ENSG000000: VRK2	0.139731	0.726204	False
ENSG000000: HOOK2	0.139702	0.700071	False
ENSG000002: XNDC1N	0.139614	0.897059	False
ENSG000001: RAD1	0.139499	0.215143	False
ENSG000000: BCL7C	0.139498	0.703724	False
ENSG000001: HTRA3	0.139464	0.496682	False
ENSG000001: CREBRF	0.139462	0.745375	False
ENSG000001: CCDC9	0.139453	0.899725	False
ENSG000001: PCTP	0.139175	0.776441	False
ENSG000001: SNX25	0.13917	0.773307	False
ENSG000001: DIAPH3	0.139119	0.27105	False
ENSG000001: AKTIP	0.138922	0.77341	False
ENSG000002: C12orf75	0.138881	0.231957	False
ENSG000002: ZNF579	0.138658	0.776531	False
ENSG000001: MRPL51	0.138559	0.047296	False
ENSG000001: KIAA0825	0.138515	0.756202	False
ENSG000001: NDUFC2	0.138509	0.0438996	False
ENSG000002: SCAF8	0.138367	0.41075	False
ENSG000001: DHDDS	0.138225	0.713546	False
ENSG000001: PYM1	0.138135	0.633875	False
ENSG000000: GTF3C1	0.138083	0.466384	False
ENSG000001: OLFM1	0.137956	0.0192808	False
ENSG000001: LRIG1	0.137931	0.735619	False
ENSG000001: VASP	0.137747	0.401566	False
ENSG000001: ZNF789	0.137747	0.834648	False
ENSG000000: MED15	0.137576	0.724189	False
ENSG000001: RPL13	0.137537	0.00400458	False
ENSG000001: TAF8	0.137516	0.763766	False
ENSG000000: ZBTB11	0.13745	0.502312	False
ENSG000001: BMT2	0.137368	0.793531	False
ENSG000001: NR1D2	0.137243	0.694565	False
ENSG000001: BAG3	0.137125	0.425116	False
ENSG000001: HIF1A	0.137088	0.122449	False
ENSG000000: CDC5L	0.137077	0.215857	False
ENSG000001: MPRIP	0.136831	0.431291	False
ENSG000001: MRPL2	0.136828	0.604618	False
ENSG000001: DICER1	0.136707	0.40115	False
ENSG000001: KLC2	0.136677	0.740362	False
ENSG000001: ATPAF2	0.136591	0.737462	False
ENSG000001: FGFR1OP2	0.136564	0.497833	False
ENSG000002: PDXP	0.136477	0.602784	False
ENSG000000: SNAP29	0.136464	0.481294	False
ENSG000001: LAMTOR3	0.136415	0.633348	False
ENSG000000: MAP3K4	0.136387	0.561473	False
ENSG000001: DISC1	0.136372	0.910879	False
ENSG000001: TSPAN31	0.136362	0.828941	False
ENSG000001: TUSC1	0.136322	0.241755	False
ENSG000001: NAA38	0.136321	0.397116	False
ENSG000001: H2BC21	0.136304	0.862193	True
ENSG000001: RRAS2	0.136271	0.399905	False



ENSG0000014 POLR2D	0.136184	0.374693	False
ENSG0000018 BLOC1S5	0.135838	0.727785	False
ENSG0000018 TMEM201	0.135833	0.620702	False
ENSG0000014 MTA2	0.135739	0.266844	False
ENSG0000019 PRXL2B	0.135648	0.668212	False
ENSG0000009 YIPF1	0.135562	0.644008	False
ENSG0000010 SLC25A11	0.135543	0.377229	False
ENSG0000010 COMMD5	0.135502	0.472422	False
ENSG0000029 RPS18	0.135405	0.00366053	False
ENSG0000010 IFT122	0.135261	0.799775	False
ENSG0000010 TERF2IP	0.135133	0.171756	False
ENSG0000020 GAN	0.135111	0.460613	False
ENSG0000010 PSMA6	0.135111	0.246668	False
ENSG0000014 TNFRSF21	0.13489	0.543455	False
ENSG0000014 ANAPC11	0.13475	0.278945	False
ENSG0000013 C1QL1	0.134725	0.921247	False
ENSG0000020 PRR13	0.134718	0.057732	False
ENSG0000010 ICAM5	0.134665	0.866038	False
ENSG0000014 SLC12A6	0.134477	0.805379	False
ENSG0000010 RNF168	0.134374	0.26344	False
ENSG0000010 CBX1	0.134247	0.159538	False
ENSG0000013 AKAP12	0.133429	0.122465	False
ENSG0000008 HSP90AA1	0.133396	0.00045707	False
ENSG0000013 NDUFS8	0.133154	0.325131	False
ENSG0000013 FAM184A	0.13295	0.859539	False
ENSG0000000 TBPL1	0.132857	0.599898	False
ENSG0000010 HOOK3	0.132772	0.167409	False
ENSG0000018 ZNF70	0.132769	0.725284	False
ENSG0000010 DNAJC18	0.132737	0.713546	False
ENSG0000010 ELAPOR2	0.13255	0.672492	False
ENSG0000010 DCTN5	0.132438	0.432588	False
ENSG0000018 NRIP1	0.132366	0.75785	False
ENSG0000003 VCL	0.132365	0.180078	False
ENSG0000013 FHOD1	0.132268	0.244107	False
ENSG0000010 ZNF202	0.132096	0.855843	False
ENSG0000013 MFSD9	0.131876	0.850532	False
ENSG0000020 NPIPA8	0.131864	0.64533	False
ENSG0000020 NPIPA7	0.131821	0.644299	False
ENSG0000000 SLC12A2	0.131725	0.195731	False
ENSG0000014 FANCI	0.131692	0.237162	False
ENSG0000020 RNF115	0.131524	0.381925	False
ENSG0000013 BLOC1S1	0.131358	0.548259	False
ENSG0000018 TANGO2	0.131348	0.821286	False
ENSG0000018 LIN9	0.131309	0.516956	False
ENSG0000000 MTHFD2	0.131149	0.0535752	False
ENSG0000013 STEAP3	0.131074	0.723991	True
ENSG0000010 GPR37	0.130738	0.779209	False
ENSG0000000 IFT80	0.130339	0.667165	False
ENSG0000010 SOCS5	0.130236	0.465616	False
ENSG0000010 SLC9B2	0.130175	0.766303	False
ENSG0000010 AHDC1	0.130166	0.719521	False
ENSG0000014 SCRNB	0.130077	0.748755	False

ENSG0000014 PCSK6	0.130005	0.770474	False
ENSG0000023 C2orf74	0.129888	0.716071	False
ENSG0000016 DCXR	0.129861	0.725165	True
ENSG0000017 B3GNT5	0.129847	0.908008	False
ENSG0000018 TMEM121	0.12976	0.840377	False
ENSG0000017 GTDC1	0.129751	0.842773	False
ENSG0000019 PAFAH2	0.12975	0.674127	False
ENSG0000014 CPNE2	0.129442	0.760026	False
ENSG0000016 MLYCD	0.129322	0.663351	False
ENSG0000013 POMP	0.129293	0.0333201	False
ENSG0000016 UBE2Q1	0.129106	0.172143	False
ENSG0000024 AMY2B	0.129021	0.79222	False
ENSG0000006 ELOVL1	0.128869	0.664052	False
ENSG0000018 ZNF623	0.128776	0.535341	False
ENSG0000029 NEDD8-MDP1	0.128711	0.741077	False
ENSG0000009 MAEA	0.128614	0.240875	False
ENSG0000027 H2AC17	0.128604	0.901054	False
ENSG0000013 GABARAPL1	0.12844	0.427601	False
ENSG0000009 PLEKHG2	0.128398	0.754294	False
ENSG0000014 ARRB2	0.128367	0.540025	False
ENSG0000019 TGOLN2	0.128072	0.167978	False
ENSG0000016 SMARCAD1	0.127881	0.389936	False
ENSG0000018 TMEM186	0.127673	0.61695	False
ENSG0000013 RPS24	0.12764	0.00706503	False
ENSG0000016 SMCO4	0.127269	0.679083	False
ENSG0000014 LUC7L2	0.127151	0.141294	False
ENSG0000014 PYCR2	0.127064	0.193611	False
ENSG0000019 ADK	0.12699	0.292998	False
ENSG0000018 BLOC1S3	0.126969	0.800534	False
ENSG0000013 CPNE8	0.126968	0.661226	False
ENSG0000013 APTX	0.126931	0.302747	False
ENSG0000017 ATG4C	0.126923	0.68638	False
ENSG0000016 ELAVL2	0.126909	0.983311	False
ENSG0000018 UBQLN2	0.126909	0.478054	False
ENSG0000017 PTPN2	0.126891	0.418767	False
ENSG0000017 JUNB	0.126875	0.281385	False
ENSG0000027 VPS52	0.126764	0.690559	False
ENSG0000013 MEF2D	0.126737	0.490359	False
ENSG0000014 B3GAT3	0.126674	0.789216	False
ENSG0000018 SMDT1	0.126599	0.533646	False
ENSG0000016 DNAJC21	0.126598	0.263022	False
ENSG0000023 H2BC15	0.126577	0.870098	False
ENSG0000017 RGMB	0.12648	0.724189	False
ENSG0000016 PRRT3	0.126206	0.850562	False
ENSG0000020 ITPRIPL2	0.126103	0.219598	False
ENSG0000017 PRDX4	0.126048	0.175769	False
ENSG0000027 TLCD4-RWDD	0.125963	0.670217	False
ENSG0000018 TRIM52	0.125961	0.849555	False
ENSG0000018 ZNF101	0.125936	0.638708	False
ENSG0000019 UTRN	0.125863	0.65453	False
ENSG0000013 SCP2	0.125801	0.416957	False
ENSG0000008 ERP29	0.125681	0.139726	False

ENSG000001: ACBD7	0.125658	0.745769	False
ENSG000001: SLC25A52	0.125657	0.931499	False
ENSG000001: CREB3L4	0.125622	0.724189	False
ENSG000001: CAMTA1	0.125572	0.561935	False
ENSG000001: BCL2	0.125566	0.784268	False
ENSG000001: NUTF2	0.125527	0.14382	False
ENSG000001: ENTPD6	0.125463	0.821828	False
ENSG000001: TAF10	0.125402	0.393037	False
ENSG000002: COA8	0.125326	0.582596	False
ENSG000001: GLIS2	0.125271	0.567559	False
ENSG000000: RCOR1	0.12514	0.295142	False
ENSG000001: FBXO31	0.124968	0.7529	False
ENSG000001: TPGS2	0.124924	0.353876	False
ENSG000002: C4orf48	0.124882	0.801838	False
ENSG000001: BORCS6	0.124733	0.500827	False
ENSG000001: KLHL12	0.124703	0.521137	True
ENSG000001: FCSK	0.124701	0.860301	False
ENSG000001: SPTY2D1	0.12457	0.544401	False
ENSG000001: BNIP3	0.12453	0.427809	False
ENSG000001: CHMP2A	0.124511	0.328565	False
ENSG000001: NBR1	0.12443	0.317163	False
ENSG000001: DNAL1	0.124059	0.761845	False
ENSG000001: BRI3BP	0.123985	0.195752	False
ENSG000001: DSTN	0.123935	0.0200063	False
ENSG000001: SQOR	0.123919	0.848149	False
ENSG000001: PIP5K1C	0.123842	0.793531	False
ENSG000001: RNF8	0.123833	0.514267	False
ENSG000001: KIFBP	0.12382	0.416478	False
ENSG000001: ITGBL1	0.123742	0.873681	False
ENSG000001: WDR13	0.123737	0.615441	False
ENSG000001: RCHY1	0.123677	0.528232	True
ENSG000002: EBLN2	0.123663	0.945705	False
ENSG000001: CDC42EP4	0.123598	0.72431	False
ENSG000000: PKM	0.123463	0.0708423	False
ENSG000001: PARP4	0.12333	0.719142	False
ENSG000001: GPR180	0.123296	0.492351	False
ENSG000001: AKAP13	0.123286	0.40801	False
ENSG000001: RC3H1	0.123066	0.561108	False
ENSG000001: NDUFA12	0.123019	0.348337	False
ENSG000001: ASH1L	0.123005	0.427329	False
ENSG000001: B4GALNT4	0.122988	0.793035	False
ENSG000001: ZDHHC16	0.122981	0.667606	False
ENSG000001: RPS6KC1	0.12262	0.733894	False
ENSG000001: CFD	0.122588	0.456597	False
ENSG000001: RNF11	0.12246	0.385666	False
ENSG000002: ITSN1	0.122397	0.747321	False
ENSG000001: P3H4	0.122366	0.516177	False
ENSG000001: LITAF	0.122354	0.118676	False
ENSG000001: HIGD1A	0.122209	0.128321	False
ENSG000001: CCDC68	0.122206	0.880679	False
ENSG000001: C15orf40	0.122093	0.73812	False
ENSG000000: ORC6	0.12192	0.364878	False

ENSG000001: LTBR	0.121912	0.458782	False
ENSG000001: GOLGA6L9	0.121797	0.820942	False
ENSG000000: BTBD7	0.121781	0.288099	False
ENSG000002: ARL2-SNX15	0.121771	0.528357	False
ENSG000001: TBCD	0.121614	0.527218	False
ENSG000001: AVPI1	0.12154	0.546335	False
ENSG000000: ARHGAP33	0.121523	0.902615	False
ENSG000001: GSTO1	0.121482	0.259973	False
ENSG000001: LRRC26	0.121354	0.885416	False
ENSG000000: SPRTN	0.121339	0.566692	False
ENSG000002: NPIPA3	0.121274	0.72197	False
ENSG000001: SH3GLB2	0.121255	0.604813	False
ENSG000001: ARPC3	0.121212	0.167457	False
ENSG000001: KLHL8	0.121207	0.496115	False
ENSG000001: INO80E	0.121153	0.536188	False
ENSG000001: SLC10A3	0.121134	0.701958	False
ENSG000000: TIMM21	0.121003	0.539632	False
ENSG000001: CCM2	0.120937	0.766023	False
ENSG000001: PPP2CB	0.120765	0.154284	False
ENSG000002: CCNL2	0.120566	0.338841	False
ENSG000001: RGS14	0.120562	0.836493	False
ENSG000001: TRIM7	0.12043	0.393803	False
ENSG000002: PPP1R3E	0.120397	0.856627	False
ENSG000001: IPO13	0.120253	0.780698	False
ENSG000001: RHNO1	0.120207	0.401801	False
ENSG000000: CIC	0.120043	0.622429	False
ENSG000000: KATNIP	0.120025	0.821389	False
ENSG000001: NINL	0.119965	0.7538	False
ENSG000001: SOD1	0.119931	0.0758917	False
ENSG000001: UQCRH	0.119722	0.0300697	False
ENSG000001: SNX15	0.119487	0.536188	False
ENSG000001: UQCRB	0.119483	0.0181159	False
ENSG000001: ETNK1	0.119423	0.329742	False
ENSG000001: RILP	0.119297	0.910476	False
ENSG000001: RHOQ	0.119276	0.241226	False
ENSG000001: KANSL3	0.119273	0.454487	False
ENSG000001: EMC3	0.119077	0.551305	False
ENSG000002: GANC	0.118989	0.800813	False
ENSG000001: MRFAP1	0.118977	0.0240029	False
ENSG000001: MAPK13	0.118824	0.902541	False
ENSG000001: PKN1	0.118757	0.874909	False
ENSG000001: SPRING1	0.118746	0.524784	False
ENSG000000: ITGB5	0.118742	0.366948	False
ENSG000001: YBEY	0.118561	0.892997	False
ENSG000001: BRCA2	0.118255	0.722136	False
ENSG000001: CFL1	0.118077	0.0493101	False
ENSG000001: ZKSCAN1	0.118042	0.29593	False
ENSG000001: HTR1D	0.117927	0.907628	False
ENSG000001: PLS3	0.117923	0.0781764	False
ENSG000000: MRPS10	0.117903	0.246203	False
ENSG000000: NEDD4L	0.117876	0.63688	False
ENSG000001: NEDD1	0.117762	0.411222	False

ENSG000001010101	NIN	0.117487	0.475387	False
ENSG000001010101	FZD4	0.117427	0.880393	False
ENSG000000010101	NCDN	0.117423	0.740362	False
ENSG000001010101	TCAIM	0.117326	0.629273	True
ENSG000001010101	CAT	0.117236	0.581874	False
ENSG000001010101	TPM4	0.117212	0.0414749	False
ENSG000001010101	VAMP4	0.117148	0.748417	False
ENSG000001010101	SRF	0.11695	0.305219	False
ENSG000001010101	FAM3C	0.116891	0.328227	False
ENSG000001010101	CENPI	0.11683	0.350314	False
ENSG000001010101	ASS1	0.116752	0.308882	False
ENSG000001010101	FLVCR2	0.116548	0.927372	False
ENSG000000010101	CYB5R4	0.116542	0.633818	False
ENSG000001010101	SKP1	0.116474	0.0306304	False
ENSG000001010101	RWDD3	0.116389	0.710854	False
ENSG000001010101	ERI2	0.116272	0.745375	False
ENSG000001010101	CENPC	0.116245	0.605416	False
ENSG000001010101	RAB24	0.116174	0.721656	False
ENSG000001010101	CAPN2	0.11611	0.347102	False
ENSG000001010101	LPL	0.116058	0.0229759	False
ENSG000001010101	TMEM192	0.115949	0.453679	False
ENSG000002010101	GABBR1	0.115908	0.79838	False
ENSG000001010101	PIAS4	0.115852	0.648404	False
ENSG000001010101	UAP1L1	0.11579	0.771579	False
ENSG000001010101	LRP11	0.115344	0.358025	False
ENSG000001010101	PGBD2	0.115272	0.811904	False
ENSG000001010101	AP4S1	0.115245	0.748417	False
ENSG000001010101	DEDD2	0.115191	0.724189	False
ENSG000001010101	ACAD9	0.115113	0.582361	False
ENSG000001010101	FEM1B	0.114942	0.414307	False
ENSG000000010101	PARP3	0.114578	0.76598	False
ENSG000001010101	CEP104	0.114517	0.602493	False
ENSG000000010101	RABL2B	0.1145	0.478551	False
ENSG000001010101	RAB3IP	0.11445	0.721405	False
ENSG000000010101	REXO1	0.114381	0.922991	False
ENSG000001010101	CADM1	0.114302	0.240229	False
ENSG000001010101	EDEM3	0.11417	0.499072	False
ENSG000001010101	MFSD13A	0.114139	0.890591	False
ENSG000001010101	SLC36A1	0.114129	0.593846	False
ENSG000001010101	PTPMT1	0.113997	0.26181	False
ENSG000001010101	ASAH2	0.113992	0.839823	False
ENSG000001010101	ZFC3H1	0.113979	0.533053	False
ENSG000001010101	SEC11C	0.113937	0.471449	False
ENSG000001010101	ARL13B	0.113936	0.724189	False
ENSG000001010101	ABHD17C	0.113729	0.509256	False
ENSG000001010101	GZF1	0.113694	0.848044	False
ENSG000002010101	SMIM13	0.113679	0.464353	False
ENSG000001010101	LAMTOR1	0.113529	0.268214	False
ENSG000001010101	TBXT	0.11345	0.397458	False
ENSG000000010101	GPATCH2	0.113413	0.655045	False
ENSG000001010101	SMARCAL1	0.113395	0.839563	False
ENSG000001010101	SF3B5	0.113349	0.086067	False

ENSG000001: DCAF17	0.113309	0.808474	False
ENSG000001: UQCR11	0.113191	0.191771	False
ENSG000000: RASSF7	0.113182	0.88344	False
ENSG000001: PLEKHA8	0.11314	0.717237	False
ENSG000001: RWDD2B	0.113057	0.771434	False
ENSG000001: MFSD1	0.11304	0.624524	False
ENSG000002: ZBED5	0.112891	0.607372	False
ENSG000001: PIP4K2C	0.112855	0.520781	False
ENSG000001: SLC25A14	0.112743	0.653692	False
ENSG000001: ENTPD4	0.112731	0.57273	False
ENSG000000: ADD1	0.112715	0.478445	False
ENSG000002: DXO	0.112404	0.781686	False
ENSG000000: SLC25A43	0.112403	0.730971	False
ENSG000001: ARFIP1	0.112251	0.64533	False
ENSG000001: CSRP2	0.112224	0.163605	False
ENSG000000: SH2D2A	0.111889	0.739344	False
ENSG000000: TFAP2C	0.111877	0.514438	False
ENSG000001: VTI1B	0.11187	0.324605	False
ENSG000001: ZNF420	0.111758	0.711189	False
ENSG000001: QKI	0.11173	0.125228	False
ENSG000001: RFX1	0.111696	0.641527	False
ENSG000001: EXT1	0.111652	0.798153	False
ENSG000001: GNE	0.111518	0.724189	False
ENSG000001: IFT140	0.111485	0.907684	False
ENSG000001: AKIP1	0.111432	0.377415	False
ENSG000001: RTL8C	0.111346	0.457099	False
ENSG000001: PSMD2	0.111326	0.317212	False
ENSG000001: ADAL	0.111232	0.688231	False
ENSG000001: NCOR1	0.111134	0.218506	False
ENSG000001: TPM3	0.111131	0.0816297	False
ENSG000001: CYP1B1	0.111078	0.148016	False
ENSG000001: TTL11	0.111072	0.897059	False
ENSG000001: RNF214	0.111054	0.718768	False
ENSG000002: C2orf81	0.111035	0.985314	False
ENSG000001: ZDHHC15	0.111035	0.985314	False
ENSG000000: DCN	0.111035	0.985314	False
ENSG000002: ANKRD28	0.110972	0.501658	False
ENSG000001: KLF11	0.110938	0.816588	False
ENSG000001: STMN1	0.110686	0.0357727	False
ENSG000001: TSC22D3	0.110619	0.598363	False
ENSG000000: GOLGA5	0.110562	0.79947	False
ENSG000001: LYPLA1	0.110553	0.384006	False
ENSG000001: IPPK	0.110222	0.57372	False
ENSG000000: TSG101	0.110152	0.607372	False
ENSG000001: PACS2	0.110118	0.724189	False
ENSG000001: BLOC1S6	0.110091	0.40943	False
ENSG000000: HSPA5	0.110028	0.0477778	False
ENSG000002: DCTN1	0.109997	0.586204	False
ENSG000001: FAM117A	0.109932	0.985344	False
ENSG000001: SEC61B	0.109734	0.185744	False
ENSG000001: TMEM47	0.109659	0.633435	False
ENSG000001: PNN	0.109648	0.28856	False

ENSG0000019 UVRAG	0.109568	0.681851	False
ENSG0000019 ZKSCAN8	0.109469	0.714729	False
ENSG0000007 KIFAP3	0.109451	0.794504	False
ENSG0000007 CFAP20	0.109446	0.55768	False
ENSG0000019 IMMT	0.109373	0.296647	False
ENSG0000019 SUCLG1	0.109292	0.313963	False
ENSG0000019 CD63	0.109289	0.0199619	False
ENSG0000014 PGD	0.109126	0.536072	False
ENSG0000019 COX5B	0.108918	0.295803	False
ENSG0000019 SERINC2	0.108907	0.791982	False
ENSG0000019 EXOC2	0.108383	0.609317	False
ENSG0000019 SLITRK5	0.108372	0.641527	False
ENSG0000000 CYB561	0.108334	0.586204	False
ENSG0000019 BSDC1	0.108209	0.722508	False
ENSG0000019 GGACT	0.108148	0.861076	False
ENSG0000019 HAUS8	0.108063	0.640509	False
ENSG0000019 KPNA1	0.108008	0.449077	False
ENSG0000019 DBNL	0.107953	0.650129	False
ENSG0000019 SKI	0.107829	0.499799	False
ENSG0000019 ZNF577	0.107777	0.922182	False
ENSG0000009 OVGP1	0.107767	0.982633	False
ENSG0000007 GCLM	0.107692	0.356359	False
ENSG0000017 CHD9	0.107646	0.353961	False
ENSG0000019 EEF1A1	0.107635	0.408476	False
ENSG0000019 SMCHD1	0.107524	0.465958	False
ENSG0000019 ICMT	0.107497	0.441313	False
ENSG0000019 EPHB4	0.107488	0.409684	False
ENSG0000019 GNS	0.107368	0.530568	False
ENSG0000000 KLHL13	0.107213	0.454161	False
ENSG0000019 PIN4	0.107143	0.357752	False
ENSG0000014 ETNK2	0.107085	0.848105	False
ENSG0000007 TNS1	0.106997	0.982659	False
ENSG0000014 MED9	0.106981	0.795978	False
ENSG0000019 NQO1	0.106946	0.105158	False
ENSG0000014 TXNL4B	0.106932	0.795211	False
ENSG0000009 BRPF3	0.106929	0.698217	False
ENSG0000019 RNF135	0.106816	0.811052	False
ENSG0000028 C8orf44-SGK3	0.106765	0.876745	False
ENSG0000019 USPL1	0.106671	0.808711	False
ENSG0000019 NAPB	0.106316	0.8686	False
ENSG0000019 GNG5B	0.106313	0.928258	False
ENSG0000019 DNMT3A	0.106234	0.741262	False
ENSG0000019 IFNAR2	0.10595	0.687413	False
ENSG0000019 CHP1	0.105943	0.324093	False
ENSG0000007 ACER3	0.10594	0.56654	False
ENSG0000019 COX6A1	0.105684	0.204233	False
ENSG0000019 ALDH1L2	0.105673	0.890275	False
ENSG0000019 SLTM	0.105623	0.225342	False
ENSG0000019 FKBP1C	0.105411	0.763999	False
ENSG0000019 MTHFS	0.10519	0.541799	False
ENSG0000019 CLIP3	0.105174	0.982659	False
ENSG0000019 KCTD9	0.105032	0.538634	False

ENSG000002: HSBP1L1	0.104933	0.836026	False
ENSG000001: MITD1	0.104924	0.60364	False
ENSG000001: ATP6V0B	0.104858	0.795325	False
ENSG000001: FAM120B	0.104824	0.754809	False
ENSG000001: STAT1	0.104805	0.43858	False
ENSG000002: TNFRSF25	0.104736	0.9622	False
ENSG000001: MOB3C	0.104717	0.912429	False
ENSG000001: RAB35	0.104621	0.633294	False
ENSG000002: TRIM39	0.104614	0.864699	False
ENSG000001: DNAJC13	0.104514	0.660359	False
ENSG000001: CIP2A	0.104489	0.608742	False
ENSG000002: SCO2	0.104486	0.71386	False
ENSG000001: HELZ	0.104332	0.526154	False
ENSG000002: MACO1	0.10428	0.712645	False
ENSG000001: ENOX2	0.104204	0.685552	False
ENSG000001: GHITM	0.104179	0.160611	False
ENSG000001: U2AF1L4	0.104082	0.898953	False
ENSG000001: UAP1	0.104025	0.476583	False
ENSG000001: ANKH	0.104022	0.662887	False
ENSG000001: SLC31A1	0.103984	0.522314	False
ENSG000001: ASNSD1	0.103749	0.727225	False
ENSG000001: MRPL52	0.103698	0.488217	False
ENSG000001: DCAF5	0.103689	0.594886	False
ENSG000001: EMD	0.103633	0.379962	False
ENSG000001: GGH	0.103541	0.430269	False
ENSG000001: ZSCAN12	0.103397	0.723991	False
ENSG000000: MARK3	0.103368	0.313664	False
ENSG000000: FYN	0.103342	0.525216	False
ENSG000001: TMEM87B	0.1033	0.722117	False
ENSG000001: GDAP2	0.103201	0.764392	False
ENSG000000: ACOT7	0.103142	0.674895	False
ENSG000002: RNF5	0.103019	0.663492	False
ENSG000002: NPTXR	0.103009	0.613936	False
ENSG000001: TMEM223	0.102986	0.506068	False
ENSG000001: MGRN1	0.10282	0.772373	True
ENSG000001: HDGFL2	0.10275	0.720689	False
ENSG000000: SENP1	0.102667	0.626039	False
ENSG000001: SKIC3	0.102607	0.641644	False
ENSG000001: TMOD3	0.102468	0.355848	False
ENSG000001: ZFP1	0.102383	0.823891	False
ENSG000001: PCID2	0.102331	0.187437	False
ENSG000001: COQ5	0.102307	0.579304	False
ENSG000000: FOXJ2	0.102268	0.679083	False
ENSG000001: ARPC2	0.102169	0.133831	False
ENSG000001: KLF4	0.102116	0.865443	True
ENSG000000: DDX1	0.102112	0.379386	False
ENSG000001: PPIL2	0.102081	0.714729	False
ENSG000001: GMPR2	0.102006	0.670217	False
ENSG000000: BOD1L1	0.101992	0.371435	False
ENSG000001: DNAJB4	0.101989	0.646685	False
ENSG000002: TRNP1	0.101987	0.821286	False
ENSG000001: DNAJC27	0.10197	0.906743	False



ENSG0000016 ANAPC16	0.101915	0.537842	False
ENSG0000018 AFMID	0.101903	0.719521	False
ENSG0000016 PCNT	0.101868	0.757366	False
ENSG0000017 GDA	0.101542	0.368821	False
ENSG0000016 KCNJ3	0.101095	0.714729	False
ENSG0000018 ZNF555	0.101076	0.905371	False
ENSG0000014 TMF1	0.100863	0.794899	False
ENSG0000017 PHF20L1	0.100771	0.438822	False
ENSG0000014 SDHC	0.100612	0.172654	False
ENSG0000027 TBC1D3C	0.100481	0.981145	False
ENSG0000028 MSANTD7	0.100434	0.627714	False
ENSG0000016 FOXF1	0.100266	0.673407	False
ENSG0000016 TET2	0.100106	0.649346	True
ENSG0000017 UBL3	0.100064	0.71925	False
ENSG0000014 MFAP1	0.0998677	0.490653	False
ENSG0000013 IER3IP1	0.0996774	0.316661	False
ENSG0000017 CEP70	0.099665	0.721201	False
ENSG0000019 KANK2	0.0994473	0.602159	False
ENSG0000016 CCSER2	0.0993847	0.626928	False
ENSG0000016 FOXQ1	0.0993272	0.591324	False
ENSG0000020 EHMT2	0.0992809	0.557996	False
ENSG0000013 DDA1	0.0992598	0.632939	False
ENSG0000013 FADS2	0.099231	0.823652	False
ENSG0000017 BECN1	0.0991181	0.430269	False
ENSG0000013 PIGC	0.0990814	0.729633	False
ENSG0000019 HYCC2	0.0990019	0.624317	False
ENSG0000017 SMAGP	0.0989075	0.866038	False
ENSG0000019 NBAS	0.0986952	0.79947	False
ENSG0000017 VANGL1	0.0986564	0.692879	False
ENSG0000016 HTATIP2	0.0986432	0.325467	False
ENSG0000007 DNAJC10	0.0985931	0.290115	False
ENSG0000017 SCG2	0.0984674	0.884399	False
ENSG0000019 VPS8	0.0983851	0.759292	False
ENSG0000014 USP53	0.0982712	0.760026	False
ENSG0000008 PALB2	0.0982588	0.733439	False
ENSG0000017 WLS	0.0982534	0.633435	False
ENSG0000016 DDX50	0.098253	0.3507	False
ENSG0000017 NPR3	0.098244	0.418182	False
ENSG0000009 PSMD8	0.0981604	0.28048	False
ENSG0000006 MPC1	0.0978818	0.473898	False
ENSG0000017 MRPL18	0.0978322	0.291714	False
ENSG0000018 LAMP1	0.0977828	0.163605	False
ENSG0000019 ZNF222	0.0977421	0.87351	False
ENSG0000017 PLEKHM2	0.0976249	0.679608	False
ENSG0000009 SCFD1	0.0974951	0.541736	False
ENSG0000017 ZNF543	0.0974397	0.896331	False
ENSG0000018 ANKRD46	0.0974135	0.847359	False
ENSG0000008 TMEM230	0.0972607	0.595038	False
ENSG0000022 ZNF580	0.0971464	0.821287	False
ENSG0000017 MPDU1	0.0970833	0.552434	False
ENSG0000017 PPP1R12C	0.0970638	0.677657	False
ENSG0000017 STOX2	0.0970625	0.672479	False

ENSG0000018AP2A2	0.0970586	0.777334	False
ENSG0000017ZNF160	0.0969241	0.886737	False
ENSG0000024ARPC1A	0.0968789	0.529887	False
ENSG0000018SLX4	0.0968541	0.861739	False
ENSG0000016DYNLT3	0.0968057	0.601078	False
ENSG0000020LCMT1	0.0966976	0.737811	False
ENSG0000013NDUFA2	0.0966898	0.320193	False
ENSG0000013APC	0.0966416	0.546225	False
ENSG0000016CXCL3	0.0966301	0.967692	False
ENSG0000014CNNM2	0.0966085	0.897059	False
ENSG0000010TXN2	0.0965779	0.6218	False
ENSG0000016SGPL1	0.0964915	0.539765	False
ENSG0000019SPATA2L	0.0964696	0.976185	False
ENSG0000013MCCC2	0.0964164	0.532228	False
ENSG0000009TRMT2A	0.0964136	0.862193	False
ENSG0000016EEF2	0.0963387	0.0676709	False
ENSG0000014SSH2	0.0963251	0.741262	False
ENSG0000014MARCHF6	0.0960975	0.255065	False
ENSG0000016PDSS2	0.0960522	0.714729	False
ENSG0000009PALMD	0.0959534	0.873871	False
ENSG0000029ST6GALNAC6	0.0958833	0.685968	False
ENSG0000020SLC35F6	0.0958716	0.73197	False
ENSG0000019MYL6B	0.0958254	0.7043	False
ENSG0000017AIF1L	0.0956488	0.668212	False
ENSG0000014INIP	0.0954121	0.542203	False
ENSG0000020OST4	0.0953427	0.422744	False
ENSG0000013COX4I1	0.0952559	0.175523	False
ENSG0000000AKAP11	0.0951807	0.785289	False
ENSG0000000KDM5A	0.0951179	0.333642	False
ENSG0000016PTPN13	0.0951166	0.814046	False
ENSG0000016SLC25A46	0.0950804	0.456597	False
ENSG0000013CEP350	0.0950735	0.506068	False
ENSG0000013SAFB2	0.0949221	0.49665	False
ENSG0000018PRKN	0.0948574	0.985104	False
ENSG0000018RTKN2	0.0948095	0.80707	False
ENSG0000006ATP1B3	0.0946925	0.161161	False
ENSG0000014ZNF182	0.0945956	0.886501	False
ENSG0000014GRIP2	0.0945367	0.984431	False
ENSG0000010MINPP1	0.0944903	0.691341	False
ENSG0000019MCOLN2	0.0941752	0.836026	False
ENSG0000000SMC1A	0.0940209	0.239063	False
ENSG0000019DRAM2	0.0938711	0.81314	False
ENSG0000014ADAMTSL4	0.0938637	0.985559	False
ENSG0000018SLX1B	0.0938622	0.754974	False
ENSG0000013SLX1A	0.0938622	0.754974	False
ENSG0000017ARL1	0.0938566	0.429561	False
ENSG0000009CRKL	0.0937974	0.586824	False
ENSG0000016KIF5C	0.0937667	0.968843	False
ENSG0000013CUTC	0.0936936	0.718347	False
ENSG0000016PRMT9	0.0935012	0.789591	False
ENSG0000019MIER1	0.0934122	0.545978	False
ENSG0000018CHST15	0.093377	0.8915	False

ENSG0000024 C22orf39	0.0931026	0.603209	False
ENSG0000018 CIB1	0.0930268	0.499799	False
ENSG0000016 NEU3	0.0928389	0.705233	False
ENSG0000017 GLB1	0.0927811	0.556356	False
ENSG0000010 ERI1	0.0927029	0.647453	False
ENSG0000019 CD2AP	0.0926902	0.525216	False
ENSG0000018 SEMA4B	0.0926521	0.890591	False
ENSG0000018 NCR3LG1	0.0926343	0.800521	False
ENSG0000017 FBXL4	0.0924642	0.755135	False
ENSG0000013 GOLGA1	0.0924161	0.725767	False
ENSG0000020 DNLZ	0.0924089	0.821286	False
ENSG0000018 NDUFB1	0.0924049	0.198173	False
ENSG0000013 ALPK3	0.092287	0.960277	False
ENSG0000013 RNASEL	0.0922555	0.959995	False
ENSG0000016 NDEL1	0.0922474	0.598791	False
ENSG0000008 DDHD2	0.0922127	0.663448	False
ENSG0000017 RNF113A	0.0921707	0.798153	False
ENSG0000014 NPEPPS	0.0920819	0.421092	False
ENSG0000009 TAB2	0.0919267	0.542006	False
ENSG0000020 TMEM242	0.0919214	0.721405	False
ENSG0000016 ANKDD1A	0.0917955	0.962873	False
ENSG0000019 DBI	0.0917635	0.148016	False
ENSG0000009 DCBLD2	0.0917622	0.712645	False
ENSG0000009 TMSB10	0.0917329	0.13888	False
ENSG0000019 CLIC2	0.0916581	0.944244	False
ENSG0000000 UPF1	0.0915852	0.569183	False
ENSG0000019 SRGAP2B	0.0915605	0.678693	False
ENSG0000016 CFAP97	0.0915377	0.679401	False
ENSG0000009 SMARCB1	0.0915255	0.719521	False
ENSG0000007 RTEL1-TNFRSF	0.0914693	0.906078	False
ENSG0000019 PTPRR	0.0914496	0.95788	False
ENSG0000017 INSIG2	0.0914198	0.797772	False
ENSG0000017 ABCD3	0.09133	0.530568	False
ENSG0000017 PCYOX1	0.0912948	0.424763	False
ENSG0000017 DCLRE1B	0.0911919	0.789871	False
ENSG0000016 BAG5	0.0911866	0.495086	False
ENSG0000018 NIPSNAP1	0.0911518	0.705106	False
ENSG0000010 MMP9	0.0911155	0.982659	False
ENSG0000013 AOC3	0.0908377	0.968551	False
ENSG0000019 IPO9	0.0908054	0.362979	False
ENSG0000013 SH3BGRL	0.090691	0.559162	False
ENSG0000006 SPA17	0.0906279	0.897059	False
ENSG0000020 SCGB2B2	0.0906031	0.958498	False
ENSG0000017 NSL1	0.090596	0.495157	False
ENSG0000014 TMEM44	0.0904715	0.908473	False
ENSG0000023 SMIM26	0.090434	0.714729	False
ENSG0000013 FNBP1L	0.0903799	0.805184	False
ENSG0000010 TRIP4	0.0901562	0.73812	False
ENSG0000010 NUCB1	0.0899153	0.701349	False
ENSG0000018 EIF4ENIF1	0.0898832	0.736988	False
ENSG0000016 KLK1	0.0897654	0.988094	False
ENSG0000014 ADAM15	0.0897425	0.503164	False

ENSG000001: POLR1G	0.0897398	0.663492	False
ENSG000001: TELO2	0.0897255	0.896601	False
ENSG000001: SCML2	0.0897243	0.787925	False
ENSG000002: CERS1	0.089657	0.866258	False
ENSG000001: MRPS18C	0.0896479	0.379386	False
ENSG000001: UBAP1	0.0896203	0.734046	False
ENSG000001: TIMM23B-AG	0.0895306	0.845949	False
ENSG000001: IGHMBP2	0.0895071	0.890899	False
ENSG000001: DIPK1A	0.0893695	0.873627	False
ENSG000001: GRK2	0.0893048	0.728286	False
ENSG000001: PSMB4	0.0892153	0.274305	False
ENSG000001: MPV17	0.0891763	0.774948	False
ENSG000001: DEGS1	0.0889644	0.483184	False
ENSG000001: PKIB	0.0889529	0.954487	False
ENSG000001: SLC25A17	0.0888895	0.664025	False
ENSG000001: PRXL2C	0.0887686	0.641951	False
ENSG000001: PARD3	0.0887177	0.64818	False
ENSG000001: MRPL14	0.0886864	0.533646	False
ENSG000001: COX17	0.0885814	0.274266	False
ENSG000002: ZBED1	0.0885729	0.639631	False
ENSG000001: DYRK2	0.0885328	0.721405	False
ENSG000001: NARF	0.08853	0.769565	False
ENSG000001: R3HCC1L	0.0884318	0.890899	False
ENSG000001: ARFIP2	0.0883487	0.841241	False
ENSG000001: PRXL2A	0.0881409	0.610733	False
ENSG000001: VEGFD	0.087957	0.974854	False
ENSG000001: CD81	0.087888	0.475819	True
ENSG000001: ANKRD13D	0.0878355	0.907825	False
ENSG000000: FHL1	0.0877768	0.780662	False
ENSG000001: TCEAL4	0.0877275	0.469949	False
ENSG000001: NRGN	0.087609	0.790562	False
ENSG000001: ARGLU1	0.0876045	0.435306	False
ENSG000001: KCTD2	0.0875724	0.755908	False
ENSG000001: DCP2	0.0875136	0.720082	False
ENSG000001: CCSAP	0.0874893	0.643344	False
ENSG000001: TRAPPC2L	0.0874016	0.631496	False
ENSG000002: DNAJC19	0.0873997	0.471449	False
ENSG000001: MANEA	0.0873508	0.769565	False
ENSG000001: SNAPIN	0.0873162	0.637965	False
ENSG000001: WDFY3	0.087222	0.771304	False
ENSG000001: TMEM65	0.0872071	0.595239	False
ENSG000001: ADCY9	0.0871959	0.809059	False
ENSG000001: GYS1	0.0871897	0.63201	False
ENSG000002: HSPA1B	0.0871147	0.539811	False
ENSG000001: GUCD1	0.0870958	0.641527	False
ENSG000000: ATG2B	0.0870475	0.732617	False
ENSG000000: DERA	0.0869584	0.764359	False
ENSG000001: DZIP3	0.0868775	0.768268	False
ENSG000001: MAP3K2	0.0867396	0.551481	False
ENSG000001: IQCG	0.0867027	0.964952	False
ENSG000001: VASH2	0.0866462	0.874658	False
ENSG000001: GALNS	0.0866131	0.789216	False

ENSG000001: RPS10	0.0866038	0.0666561	False
ENSG000001: EZH2	0.086572	0.610782	False
ENSG000002: STK38L	0.0865493	0.60761	False
ENSG000001: EPOR	0.0863621	0.891887	False
ENSG000001: NDUFB5	0.0863096	0.466417	False
ENSG000001: FBXO45	0.0861895	0.587414	False
ENSG000001: UBA1	0.0860748	0.450712	False
ENSG000001: UNK	0.0860517	0.846475	False
ENSG000001: C1GALT1C1	0.0860281	0.740362	False
ENSG000002: PPIAL4G	0.0859113	0.949763	False
ENSG000001: GIT2	0.0857329	0.731558	False
ENSG000000: CLASP1	0.0852708	0.776483	False
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ENSG000001: GATD1	0.085223	0.779829	False
ENSG000001: MSH3	0.0850143	0.649346	False
ENSG000000: PDPR	0.0849698	0.726353	False
ENSG000001: SRP14	0.0849064	0.129817	False
ENSG000002: NBDY	0.0847899	0.663448	False
ENSG000001: DAG1	0.0847411	0.67173	False
ENSG000001: KIF3A	0.0847274	0.647453	False
ENSG000001: HSP90B1	0.0846252	0.339001	False
ENSG000001: SLC26A2	0.084562	0.593678	False
ENSG000001: ATG9A	0.0845293	0.733756	False
ENSG000002: MLLT11	0.0845282	0.473557	False
ENSG000001: COX7C	0.0845226	0.108614	False
ENSG000001: ICA1L	0.0843357	0.89993	False
ENSG000001: HINT2	0.0843223	0.675879	False
ENSG000001: UBE4A	0.0842539	0.726204	False
ENSG000001: FBXO24	0.0842025	0.98003	False
ENSG000001: TMCO1	0.084178	0.321552	False
ENSG000000: RWDD2A	0.0841097	0.897059	False
ENSG000002: CCDC71L	0.0840714	0.856627	False
ENSG000001: COPS8	0.084029	0.523541	False
ENSG000000: WASHC2A	0.0839938	0.546015	False
ENSG000001: GYG1	0.083937	0.73812	False
ENSG000000: LRP6	0.0839215	0.77341	False
ENSG000000: EED	0.0838544	0.448109	False
ENSG000001: ALG12	0.0835946	0.882539	False
ENSG000001: EYA4	0.0835343	0.445218	False
ENSG000001: FBXL8	0.0835329	0.982615	False
ENSG000000: TBC1D25	0.083373	0.873071	False
ENSG000001: KIAA0930	0.0831409	0.620418	False
ENSG000001: PHC3	0.08298	0.603569	False
ENSG000001: GPATCH8	0.082592	0.740362	False
ENSG000001: SRGAP2C	0.0825399	0.686649	False
ENSG000000: LIPE	0.082526	0.963618	False
ENSG000001: CMC1	0.0824427	0.763848	False
ENSG000001: HPCAL1	0.0823551	0.603933	False
ENSG000001: SLC9A6	0.0822503	0.750761	False
ENSG000002: ATXN2	0.0822256	0.58564	False
ENSG000001: FKBP10	0.0822084	0.604618	False
ENSG000002: SEC22B	0.0820019	0.548797	False

ENSG000001:RNF20	0.0819035	0.624981	False
ENSG000002:DYNLL2	0.0816181	0.672492	False
ENSG000002:CYFIP1	0.0814862	0.752338	False
ENSG000001:NHS	0.0814687	0.681975	False
ENSG000001:CTBP1	0.0814554	0.518462	False
ENSG000001:TPST1	0.0809762	0.756208	False
ENSG000001:TRIM37	0.0808319	0.704396	False
ENSG000001:MORN1	0.0807746	0.945705	False
ENSG000000:ZNF343	0.0807488	0.908473	False
ENSG000001:HIPK1	0.0807403	0.664725	False
ENSG000001:MANEAL	0.0807387	0.897059	False
ENSG000001:CCDC110	0.080684	0.988719	False
ENSG000001:TMEM127	0.0806471	0.759581	False
ENSG000001:FERMT1	0.0805125	0.711535	False
ENSG000001:ZDHHC20	0.080386	0.786052	False
ENSG000001:PFKL	0.0800842	0.789747	False
ENSG000001:CCDC171	0.0800679	0.952168	False
ENSG000001:CXCR4	0.0800661	0.438301	False
ENSG000001:PDE12	0.0799053	0.670275	False
ENSG000001:PYHIN1	0.0798835	0.985354	False
ENSG000000:SEC63	0.0797809	0.430773	False
ENSG000001:CREG2	0.0795808	0.988719	False
ENSG000000:RORA	0.0795808	0.988719	False
ENSG000000:IRAG1	0.0795808	0.988719	False
ENSG000001:CISD1	0.0795544	0.426088	False
ENSG000000:ZDHHC8	0.0795005	0.80324	False
ENSG000001:PCDH11X	0.0793233	0.971932	False
ENSG000000:TLL1	0.0792943	0.598786	False
ENSG000001:SPATA6	0.0790773	0.985344	False
ENSG000001:CEP192	0.0790742	0.768786	False
ENSG000001:KCTD10	0.0790723	0.688351	False
ENSG000000:BAD	0.0789897	0.846236	False
ENSG000002:HYPK	0.0788884	0.446162	False
ENSG000001:TAF9B	0.0788823	0.74549	False
ENSG000001:CEP164	0.0788098	0.794743	False
ENSG000001:ZHX3	0.0787475	0.816362	False
ENSG000000:EIF2B3	0.0787454	0.778413	False
ENSG000001:FCGR2A	0.078719	0.983623	False
ENSG000001:PRDX2	0.0787072	0.673374	False
ENSG000001:CHCHD7	0.078592	0.483546	False
ENSG000001:ITPR1	0.0785207	0.752753	False
ENSG000001:MSTO1	0.0785205	0.744289	False
ENSG000001:PPP1R21	0.0784771	0.883915	False
ENSG000001:SLBP	0.0784293	0.5802	False
ENSG000001:GALNT7	0.0783709	0.738939	False
ENSG000001:PRKAR1A	0.078322	0.288099	False
ENSG000001:DAAM1	0.0782069	0.748041	False
ENSG000001:ABCB7	0.0781194	0.631596	False
ENSG000002:ERICH2	0.0780423	0.96922	False
ENSG000001:ENOSF1	0.077823	0.741185	False
ENSG000001:CAP2	0.0778049	0.719623	False
ENSG000001:WRNIP1	0.0777602	0.598791	False

ENSG000002: GGNBP2	0.0777426	0.490423	False
ENSG000001: HOXA1	0.0777259	0.985157	False
ENSG000000: NCBP3	0.0777042	0.620292	False
ENSG000002: H3C8	0.0776986	0.978874	False
ENSG000001: ZKSCAN2	0.0776436	0.898214	False
ENSG000001: ADA	0.0776361	0.869553	True
ENSG000001: PRR14	0.0775302	0.873799	False
ENSG000001: DCBLD1	0.077506	0.524956	False
ENSG000001: BEX1	0.0774673	0.988719	False
ENSG000000: RASAL2	0.0773854	0.787552	False
ENSG000001: NBPF20	0.0773507	0.577455	False
ENSG000001: GLO1	0.0772643	0.304758	False
ENSG000001: DUSP23	0.0771156	0.880727	False
ENSG000001: ENGASE	0.0771022	0.873975	False
ENSG000002: UBXN2B	0.0770749	0.74712	False
ENSG000000: CNN2	0.0769426	0.579587	False
ENSG000001: PRPF4B	0.0769346	0.54396	False
ENSG000001: EXOC6B	0.0768334	0.77461	False
ENSG000000: GLT8D1	0.0767998	0.737326	False
ENSG000001: C1orf115	0.076759	0.907465	False
ENSG000000: RANBP9	0.0767209	0.755012	False
ENSG000001: ZCCHC10	0.0766948	0.57372	False
ENSG000000: MAP4K4	0.0766535	0.552478	False
ENSG000001: TMBIM6	0.0764884	0.238732	False
ENSG000001: PARD6B	0.0764726	0.867872	True
ENSG000001: MOGS	0.0764698	0.783684	False
ENSG000000: CXCL2	0.0763815	0.960416	False
ENSG000001: SPATA17	0.0762776	0.956431	False
ENSG000001: FBXL18	0.0762369	0.836026	False
ENSG000001: SH3TC2	0.0761761	0.988719	False
ENSG000000: NOS1	0.0761761	0.988719	False
ENSG000001: NCAM2	0.0761216	0.980764	False
ENSG000001: DDX19B	0.0760919	0.79947	False
ENSG000001: APOOL	0.0760399	0.670477	False
ENSG000001: PIP5K1A	0.0759114	0.602736	False
ENSG000001: DYRK1B	0.0758907	0.922678	False
ENSG000001: PABPC1L	0.0756902	0.902306	False
ENSG000001: UNC45A	0.0756719	0.732061	False
ENSG000001: PEX10	0.0755275	0.76116	False
ENSG000002: BRK1	0.0753637	0.54682	False
ENSG000000: CDC14A	0.0753517	0.908473	False
ENSG000001: CCDC69	0.0752861	0.964009	False
ENSG000002: NPHP3-ACAD:	0.0752708	0.987522	False
ENSG000001: GALNT15	0.0751429	0.988719	False
ENSG000001: LAPTM5	0.0751429	0.988719	False
ENSG000002: QTRT1	0.0750451	0.869497	False
ENSG000001: FAM131C	0.0750439	0.977213	False
ENSG000001: RALGPS2	0.0749992	0.800089	False
ENSG000000: PAF1	0.0749638	0.734046	False
ENSG000001: NDFIP1	0.074937	0.497781	False
ENSG000001: TSGA10	0.0749221	0.958367	False
ENSG000001: PIH1D1	0.0748513	0.643917	False

ENSG0000010 DOT1L	0.0747705	0.795211	False
ENSG0000029 CKLF-CMTM1	0.0746013	0.808711	False
ENSG0000018 NLRP10	0.0745229	0.988719	False
ENSG0000010 PAK5	0.0745229	0.988719	False
ENSG0000000 ABCB4	0.0745229	0.988719	False
ENSG0000010 ZNF606	0.0745229	0.988719	False
ENSG0000018 EMID1	0.0745229	0.988719	False
ENSG0000010 PPFIBP2	0.0745229	0.988719	False
ENSG0000000 PAGE1	0.0745229	0.988719	False
ENSG0000010 BEND7	0.0745229	0.988719	False
ENSG0000000 ST3GAL6	0.0745229	0.988719	False
ENSG0000010 TNFRSF11B	0.0745229	0.988719	False
ENSG0000019 ZNF69	0.0745229	0.988719	False
ENSG0000017 RIMS2	0.0745229	0.988719	False
ENSG0000020 OR3A2	0.0745229	0.988719	False
ENSG0000020 HLA-DPA1	0.0745229	0.988719	False
ENSG0000010 RUBCNL	0.0745229	0.988719	False
ENSG0000000 PRSS22	0.0745229	0.988719	False
ENSG0000010 HFM1	0.0745229	0.988719	False
ENSG0000029 GPR162	0.0745229	0.988719	False
ENSG0000010 DCHS1	0.0745229	0.988719	False
ENSG0000010 ITGA4	0.0745229	0.988719	False
ENSG0000024 SPATS1	0.0745229	0.988719	False
ENSG0000019 FRMD4A	0.0745229	0.988719	False
ENSG0000017 SRGN	0.0745228	0.988719	False
ENSG0000017 SOX6	0.0745228	0.988719	False
ENSG0000017 KCNE3	0.0745228	0.988719	False
ENSG0000018 S100A14	0.0745228	0.988719	False
ENSG0000000 TRO	0.0745228	0.988719	False
ENSG0000019 CACNA1E	0.0745228	0.988719	False
ENSG0000010 PROKR1	0.0745228	0.988719	False
ENSG0000017 CCRL2	0.0745228	0.988719	False
ENSG0000010 OTOGL	0.0745228	0.988719	False
ENSG0000013 CACNG6	0.0745227	0.988719	False
ENSG0000019 ZNF682	0.0745227	0.988719	False
ENSG0000017 SLC8A2	0.0745227	0.988719	False
ENSG0000017 TNN	0.0745227	0.988719	False
ENSG0000017 HSPB2	0.0745227	0.988719	False
ENSG0000017 OAS2	0.0745227	0.988719	False
ENSG0000017 CCDC184	0.0745227	0.988719	False
ENSG0000024 IFITM10	0.0745227	0.988719	False
ENSG0000013 C1QTNF6	0.0745227	0.988719	False
ENSG0000004 CELF2	0.0745227	0.988719	False
ENSG0000019 ZFP28	0.0745227	0.988719	False
ENSG0000014 NCAM1	0.0745227	0.988719	False
ENSG0000014 KCNN3	0.0745227	0.988719	False
ENSG0000019 MAGEA8	0.0745227	0.988719	False
ENSG0000013 UNC13C	0.0745227	0.988719	False
ENSG0000017 SEC16B	0.0745227	0.988719	False
ENSG0000010 SOAT2	0.0745227	0.988719	False
ENSG0000020 XKR9	0.0745227	0.988719	False
ENSG0000010 MAP9	0.0745227	0.988719	False



ENSG000001:ZNF443	0.0745227	0.988719	False
ENSG000001:ZNF141	0.0745227	0.988719	False
ENSG000000:SNCAIP	0.0745227	0.988719	False
ENSG000001:RLN1	0.0745227	0.988719	False
ENSG000001:AGAP2	0.0745227	0.988719	False
ENSG000001:C6orf132	0.0745227	0.988719	False
ENSG000001:PDLIM4	0.0745225	0.988719	False
ENSG000000:ST6GALNAC1	0.0745225	0.988719	False
ENSG000000:DCT	0.0745225	0.988719	False
ENSG000001:ZNF667	0.0745225	0.988719	False
ENSG000001:SSX1	0.0745225	0.988719	False
ENSG000001:FLNC	0.0745225	0.988719	False
ENSG000001:ATG13	0.0745177	0.822244	False
ENSG000001:ACSF2	0.0744633	0.970183	False
ENSG000001:MBNL2	0.0744337	0.756082	False
ENSG000002:RPS28	0.0742871	0.317349	False
ENSG000001:TSTD2	0.0742794	0.782329	False
ENSG000001:ZNF19	0.074225	0.974552	False
ENSG000001:NES	0.0742158	0.843302	False
ENSG000001:RASSF6	0.0741764	0.972142	False
ENSG000001:DNAJB12	0.0741182	0.777583	False
ENSG000002:CLIC1	0.0741168	0.467796	False
ENSG000001:ALG10B	0.0740659	0.768268	False
ENSG000001:IFIT2	0.0740119	0.902097	False
ENSG000001:GPAT4	0.0738768	0.620865	False
ENSG000001:PLXDC1	0.0738266	0.98769	False
ENSG000001:CACNG8	0.0738266	0.98769	False
ENSG000002:FOXL2NB	0.0738084	0.858123	False
ENSG000002:SOCS7	0.0737504	0.663842	False
ENSG000001:TRIM9	0.0737495	0.985559	False
ENSG000001:MAF	0.0737495	0.985559	False
ENSG000001:WDR27	0.0737317	0.89245	False
ENSG000001:YOD1	0.0737305	0.85814	False
ENSG000001:CRELD1	0.0737122	0.941355	False
ENSG000001:KANK1	0.0736638	0.895908	False
ENSG000001:DMAC2	0.0736344	0.765346	False
ENSG000001:PLIN3	0.0735468	0.528177	False
ENSG000001:EMC1	0.0735166	0.691494	False
ENSG000001:LRP4	0.0734358	0.825681	False
ENSG000001:GPR89A	0.0734023	0.792935	False
ENSG000001:ZNF354B	0.0733326	0.952168	False
ENSG000001:E2F3	0.0733315	0.564746	False
ENSG000001:C14orf119	0.0732838	0.694373	False
ENSG000001:APOO	0.0732824	0.692879	False
ENSG000001:ABLIM2	0.07327	0.964186	False
ENSG000001:PIGL	0.0730241	0.868401	False
ENSG000001:FBXO21	0.0729981	0.638815	False
ENSG000001:NRG4	0.0728329	0.911896	False
ENSG000001:COX6C	0.0727859	0.235723	False
ENSG000000:TRNT1	0.0727756	0.667606	False
ENSG000001:XPA	0.072768	0.800089	False
ENSG000001:CARF	0.0727508	0.950719	False

ENSG0000007	FSTL3	0.07273	0.725165	False
ENSG0000017	MED13L	0.0726714	0.632182	False
ENSG0000010	KCTD17	0.0726539	0.876556	False
ENSG0000017	BPGM	0.0725248	0.829892	False
ENSG0000019	TRIM11	0.0724068	0.578166	False
ENSG0000019	REV1	0.0723401	0.851154	False
ENSG0000019	CTNNAL1	0.07233	0.681616	False
ENSG0000009	DTX2	0.0723198	0.87351	False
ENSG0000019	VPS13A	0.0723194	0.744315	False
ENSG0000010	DUSP3	0.0722981	0.672965	False
ENSG0000010	NKAIN4	0.0722386	0.988118	True
ENSG0000017	FAM156B	0.0722235	0.758392	False
ENSG0000017	ATOX1	0.0720714	0.669887	False
ENSG0000017	TMEM182	0.072013	0.930942	False
ENSG0000009	SIRT1	0.0719116	0.665258	False
ENSG0000017	PDLIM2	0.0718694	0.606329	False
ENSG0000017	WASHC2C	0.07186	0.61695	False
ENSG0000019	RABGEF1	0.0717455	0.698658	False
ENSG0000017	ABCC5	0.0717352	0.727147	True
ENSG0000017	ACVR2A	0.071697	0.915818	False
ENSG0000027	RPS10-NUDT3	0.0716925	0.199435	False
ENSG0000017	CDH4	0.0716136	0.985995	False
ENSG0000019	CAST	0.0715584	0.507248	False
ENSG0000017	SCAF1	0.0714532	0.911058	False
ENSG0000019	EFR3A	0.0713956	0.662864	False
ENSG0000017	FASTKD2	0.0712381	0.54682	False
ENSG0000019	MT-CO2	0.0710955	0.236984	False
ENSG0000008	IGBP1	0.070923	0.664587	False
ENSG0000018	MSL1	0.0708881	0.557743	False
ENSG0000017	ISG20	0.0708829	0.964367	False
ENSG0000019	ZNF398	0.07087	0.87351	False
ENSG0000019	CLEC18A	0.0707732	0.988719	False
ENSG0000029	FPGT-TNNI3K	0.0707732	0.988719	False
ENSG0000019	EGR4	0.0707732	0.988719	False
ENSG0000007	UBE2K	0.070672	0.524956	False
ENSG0000018	COL18A1	0.0706131	0.669417	False
ENSG0000017	HSPA2	0.0706116	0.848044	False
ENSG0000010	PTX3	0.0706069	0.937011	False
ENSG0000019	ZNF335	0.0705991	0.87398	False
ENSG0000010	YWHAE	0.0705579	0.331506	False
ENSG0000017	NUDT9	0.0705376	0.797162	False
ENSG0000017	EIF3K	0.0704711	0.456158	False
ENSG0000018	PRPF39	0.0704376	0.79404	False
ENSG0000017	LRRC37A3	0.0703387	0.960273	False
ENSG0000008	PEBP1	0.0702306	0.179416	False
ENSG0000000	LTK	0.0702247	0.97396	False
ENSG0000010	AAGAB	0.0701876	0.623016	False
ENSG0000010	SARS2	0.0701273	0.85176	False
ENSG0000000	TFE3	0.0700541	0.688818	False
ENSG0000017	IL17RA	0.0700334	0.766376	False
ENSG0000029	TWIST2	0.0700142	0.780662	False
ENSG0000020	FAM156A	0.0700035	0.768268	False

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ENSG000001: COPB1	0.0698304	0.499088	False
ENSG000001: CHPF	0.0697913	0.820084	False
ENSG000000: IDS	0.0697857	0.724189	False
ENSG000001: BEGAIN	0.069714	0.833514	False
ENSG000001: TMEM53	0.0696778	0.932052	False
ENSG000001: LGALS3BP	0.0695618	0.894788	False
ENSG000002: ATP5MGL	0.0695611	0.880616	False
ENSG000001: PRORP	0.0694755	0.77456	False
ENSG000001: THRB	0.0694118	0.956431	False
ENSG000001: CEP295	0.069397	0.77341	False
ENSG000001: LARP7	0.0691343	0.632182	False
ENSG000001: ACSL1	0.0690976	0.85206	False
ENSG000000: SPEN	0.068998	0.737678	False
ENSG000002: SARNP	0.0688781	0.513535	False
ENSG000000: SYT7	0.0688315	0.950051	False
ENSG000001: RMI1	0.0687352	0.73812	False
ENSG000000: SLC46A1	0.0686446	0.851937	True
ENSG000001: TGFBI	0.0685494	0.532228	False
ENSG000000: DNAJB11	0.0685275	0.53714	False
ENSG000001: ALDOA	0.0684323	0.425809	False
ENSG000001: DALRD3	0.0683945	0.846236	False
ENSG000001: ANKRD17	0.0681117	0.522744	False
ENSG000001: BICD1	0.0681051	0.827521	False
ENSG000001: MPHOSPH8	0.0680293	0.683387	False
ENSG000001: VPS26B	0.0679769	0.845949	False
ENSG000001: SLC25A41	0.0678599	0.985853	False
ENSG000001: SYTL1	0.0678567	0.988719	True
ENSG000001: CYP39A1	0.0678473	0.974177	False
ENSG000001: MED14	0.067797	0.7043	False
ENSG000001: SUSD1	0.0676215	0.900765	False
ENSG000001: FGFBP1	0.0675727	0.960395	False
ENSG000001: PSMA3	0.0675603	0.504542	False
ENSG000002: HOMEZ	0.067545	0.906743	False
ENSG000001: APOLD1	0.0675293	0.955909	False
ENSG000001: ST13	0.0675221	0.434685	False
ENSG000001: HID1	0.0675098	0.987679	False
ENSG000001: PLCG1	0.0674893	0.878384	False
ENSG000000: RALBP1	0.0673104	0.549872	False
ENSG000001: FAM104A	0.0672737	0.726353	False
ENSG000001: RBM43	0.0671924	0.960456	False
ENSG000001: ARNT	0.067184	0.747321	False
ENSG000000: LAPTM4A	0.0670961	0.421668	False
ENSG000001: IL17RC	0.0670208	0.978974	False
ENSG000001: GPRASP1	0.0669237	0.972817	False
ENSG000001: TNS4	0.0668717	0.97396	False
ENSG000001: ARHGAP12	0.0668643	0.819907	False
ENSG000001: GVQW3	0.0668054	0.935143	False
ENSG000001: ATAD5	0.0667978	0.827232	False
ENSG000000: ZNF586	0.0666808	0.927149	False
ENSG000001: ACTR2	0.0665702	0.345482	False
ENSG000000: AP3M2	0.0664888	0.765826	False

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ENSG00000016	KIF27	0.0662831	0.95124	False
ENSG00000010	SOS1	0.0662379	0.800521	False
ENSG00000018	SNORC	0.0661587	0.986016	False
ENSG00000017	FIBP	0.0661536	0.69141	False
ENSG00000009	ARID4A	0.0661393	0.699378	False
ENSG00000019	TSEN15	0.0661184	0.653953	False
ENSG00000010	PORCN	0.0661128	0.913999	False
ENSG00000010	ITGB1BP1	0.0660779	0.710459	False
ENSG00000010	GPSM2	0.0660631	0.809623	False
ENSG00000010	BIRC7	0.0659847	0.957342	False
ENSG00000008	CTTN	0.0659702	0.485896	False
ENSG00000010	ACO2	0.065953	0.641237	False
ENSG00000010	KLHL24	0.0659423	0.845494	False
ENSG00000008	NOA1	0.0658259	0.822244	False
ENSG00000019	STK32B	0.0657763	0.897059	False
ENSG00000010	CISH	0.0657399	0.898079	False
ENSG00000016	MGAT5B	0.0657151	0.883676	False
ENSG00000018	PJA1	0.0655368	0.773572	False
ENSG00000010	ZRANB2	0.0655247	0.540746	False
ENSG00000019	OSTC	0.0654231	0.583782	False
ENSG00000014	LANCL3	0.0654218	0.980281	False
ENSG00000010	STT3A	0.0653903	0.627287	False
ENSG00000019	ZDHHC7	0.0653154	0.729589	False
ENSG00000019	RHOC	0.0653125	0.812985	False
ENSG00000019	MALSU1	0.0652465	0.641527	False
ENSG00000010	PHF10	0.0652089	0.52464	False
ENSG00000010	ORC3	0.0652081	0.843302	False
ENSG00000018	TSEN54	0.0651926	0.865295	False
ENSG00000024	CDK11B	0.0650586	0.694565	False
ENSG00000000	PRSS21	0.0649642	0.725165	False
ENSG00000010	LIG4	0.0649607	0.84827	False
ENSG00000016	MMGT1	0.0649236	0.64414	False
ENSG00000010	FAM174A	0.0648909	0.845494	False
ENSG00000010	GATA2	0.0648292	0.769015	False
ENSG00000019	SELENOT	0.0647567	0.562372	False
ENSG00000010	LRRC49	0.0647228	0.908672	False
ENSG00000010	SEC14L1	0.0646918	0.74143	False
ENSG00000016	ANXA5	0.0645712	0.580185	False
ENSG00000014	OAZ3	0.0643353	0.97139	False
ENSG00000000	FBLN1	0.064311	0.806914	False
ENSG00000010	SPDYE2B	0.0641426	0.986093	False
ENSG00000010	SPDYE5	0.0641426	0.986093	False
ENSG00000020	SPDYE2	0.0641426	0.986093	False
ENSG00000010	RPLP1	0.0641412	0.30133	False
ENSG00000014	GOLPH3L	0.0641281	0.793096	False
ENSG00000010	SH2D3A	0.0641071	0.956748	False
ENSG00000016	JOSD2	0.0639864	0.95571	False
ENSG00000019	CNKSR3	0.0636131	0.815677	False
ENSG00000020	H2BC7	0.0636065	0.985246	False
ENSG00000028	DUS4L-BCAP2	0.063559	0.73416	False
ENSG00000020	VAMP2	0.0635398	0.897059	False

ENSG000001:NDUFS2	0.0634907	0.473415	False
ENSG000000:NT5C2	0.063476	0.759292	False
ENSG000001:FLOT1	0.0634729	0.756202	False
ENSG000001:CCNO	0.0634382	0.897059	False
ENSG000001:RSPH4A	0.0634183	0.986034	False
ENSG000001:FCHSD1	0.0633161	0.891429	False
ENSG000001:ACADM	0.0632431	0.724189	False
ENSG000001:FKBP8	0.0631535	0.951936	False
ENSG000001:YAP1	0.0630238	0.714729	True
ENSG000001:OAZ1	0.0628735	0.389355	False
ENSG000001:CIT	0.06281	0.846236	False
ENSG000002:TMEM269	0.0628082	0.986093	False
ENSG000001:ZDHHC1	0.0627651	0.988719	False
ENSG000001:ZNF786	0.0627353	0.897059	False
ENSG000001:HBS1L	0.0626953	0.724189	False
ENSG000001:SLC29A3	0.0626867	0.910879	False
ENSG000001:PYGL	0.0626824	0.649148	False
ENSG000001:CPPED1	0.0626607	0.891565	False
ENSG000001:NCOR2	0.0625876	0.607316	False
ENSG000001:UBL5	0.0625365	0.573129	False
ENSG000001:ARFGF3	0.0624257	0.865616	False
ENSG000001:NUP43	0.0622502	0.599061	False
ENSG000001:PRRX2	0.0621101	0.921257	False
ENSG000001:PXYLP1	0.0620593	0.870042	False
ENSG000001:USP16	0.0619734	0.789015	False
ENSG000001:NUSAP1	0.0619585	0.517645	False
ENSG000001:HMG20A	0.0619159	0.81278	False
ENSG000001:GK	0.0615343	0.891887	False
ENSG000001:ABRAXAS1	0.0613054	0.887659	False
ENSG000001:LIMD1	0.061195	0.896371	False
ENSG000001:EPRS1	0.0610768	0.561558	False
ENSG000001:ERCC5	0.0610656	0.789871	True
ENSG000002:ZNF816-ZNF3:	0.0610455	0.978874	False
ENSG000001:TRIM36	0.061022	0.880546	False
ENSG000001:PRDX1	0.0609142	0.268309	False
ENSG000001:ABCC4	0.0609076	0.74063	False
ENSG000001:WDR59	0.0608638	0.861882	False
ENSG000001:PAM	0.0608553	0.831578	False
ENSG000001:GALK2	0.0607386	0.869685	False
ENSG000001:RPS19BP1	0.0604449	0.822243	False
ENSG000001:FIZ1	0.0604261	0.905491	False
ENSG000001:PDCL3	0.0602053	0.854972	False
ENSG000002:TRIM6-TRIM3:	0.0601881	0.985467	False
ENSG000001:LRRC42	0.0601422	0.724189	False
ENSG000001:LMBRD1	0.0600022	0.822327	False
ENSG000001:CCDC142	0.0598398	0.883453	False
ENSG000001:NANP	0.0598195	0.911728	False
ENSG000001:TTL	0.0598102	0.561058	False
ENSG000002:TMSB4X	0.0597913	0.488198	False
ENSG000000:TMEM101	0.0597579	0.898738	False
ENSG000000:TRIP13	0.0593133	0.581148	False
ENSG000001:HELZ2	0.0592808	0.912627	False

ENSG0000020 ABHD16A	0.0591719	0.762691	False
ENSG0000020 SLC26A6	0.0590551	0.875478	False
ENSG0000010 HERC1	0.0590415	0.847973	False
ENSG0000020 HSBP1	0.0590324	0.489069	False
ENSG0000010 CDC25	0.0590261	0.585838	False
ENSG0000010 LMO2	0.0589525	0.978974	False
ENSG0000010 OTUD3	0.0588816	0.891565	False
ENSG0000010 TREX2	0.0588813	0.830379	False
ENSG0000010 NAT16	0.0587636	0.992729	False
ENSG0000010 PDE9A	0.0587356	0.984323	False
ENSG0000010 TAF5L	0.0587285	0.798926	False
ENSG0000020 MCTS1	0.0586126	0.5428	False
ENSG0000010 RELL2	0.0585165	0.981856	False
ENSG0000010 ZNF354A	0.0582857	0.894719	False
ENSG0000010 BFAR	0.0580492	0.801755	False
ENSG0000010 UBN1	0.0579967	0.616542	False
ENSG0000010 CYC1	0.0578529	0.69158	False
ENSG0000000 PKP1	0.0578103	0.981093	False
ENSG0000000 GSK3B	0.0577237	0.737431	False
ENSG0000010 WSB1	0.0576807	0.719142	False
ENSG0000010 CLIP4	0.0576311	0.903794	False
ENSG0000010 PPID	0.0575126	0.774948	False
ENSG0000010 SAA2	0.0574682	0.988719	False
ENSG0000000 MGLL	0.0574456	0.927372	False
ENSG0000020 ZNF2	0.0574274	0.935887	False
ENSG0000020 BIVM-ERCC5	0.05742	0.804969	False
ENSG0000010 MTIF3	0.0573971	0.87398	False
ENSG0000000 FKBP5	0.0573857	0.821389	False
ENSG0000010 HEXIM2	0.0573167	0.939965	False
ENSG0000000 CSDE1	0.0572996	0.365032	False
ENSG0000010 ISG20L2	0.0572426	0.744101	False
ENSG0000000 FTL	0.0571964	0.369142	False
ENSG0000010 CALM3	0.0571957	0.559361	False
ENSG0000000 RAB11FIP3	0.057176	0.907911	False
ENSG0000010 HDDC3	0.0571332	0.837417	False
ENSG0000010 RGS10	0.0570605	0.885441	False
ENSG0000010 C19orf12	0.0570493	0.845494	False
ENSG0000000 NANS	0.0570413	0.70564	False
ENSG0000010 CLPTM1	0.0570271	0.872089	False
ENSG0000010 JUND	0.0569427	0.631596	False
ENSG0000010 LOXL2	0.0568185	0.773567	False
ENSG0000000 ARID4B	0.0567885	0.645396	False
ENSG0000010 PELI2	0.0567754	0.898889	False
ENSG0000010 PRMT7	0.0567312	0.897059	False
ENSG0000010 LRR1	0.0567214	0.584164	False
ENSG0000000 BLTP3A	0.0565637	0.868539	False
ENSG0000010 MCM8	0.056531	0.821748	False
ENSG0000010 B4GALT4	0.0564315	0.889414	False
ENSG0000010 PSMD1	0.0562558	0.532732	False
ENSG0000000 YBX1	0.0562207	0.532755	False
ENSG0000010 PPP6R2	0.0562133	0.897059	False
ENSG0000010 PSMA1	0.0561874	0.544781	False

ENSG000001: ABI1	0.0561705	0.803969	False
ENSG000001: FAM219A	0.0560418	0.905338	False
ENSG000001: UBALD1	0.0560234	0.90784	False
ENSG000000: LRCH4	0.0559435	0.834834	False
ENSG000001: SMAD4	0.0558903	0.795211	False
ENSG000001: MAGT1	0.0558657	0.6798	False
ENSG000001: FAM177B	0.0558371	0.819907	False
ENSG000001: TK1	0.055784	0.813817	False
ENSG000002: ALG11	0.0556286	0.839632	False
ENSG000001: FBXO10	0.0556088	0.946028	False
ENSG000002: UBA52	0.0556026	0.518225	False
ENSG000001: TMX1	0.0555849	0.658374	False
ENSG000001: AXIN2	0.0555389	0.948805	False
ENSG000001: KPTN	0.0554923	0.951069	False
ENSG000001: H3-3A	0.0554844	0.277057	False
ENSG000001: ENO3	0.055469	0.818192	False
ENSG000001: OS9	0.055434	0.7996	False
ENSG000001: PRRC1	0.0553888	0.630582	False
ENSG000001: DOC2A	0.0552979	0.992989	False
ENSG000001: DDX6L	0.0552793	0.939201	False
ENSG000001: FAM13A	0.0551422	0.870044	False
ENSG000001: NAPA	0.0551332	0.874658	False
ENSG000001: GSTM4	0.0550629	0.907453	False
ENSG000001: CPT1A	0.0550295	0.551481	False
ENSG000001: CCDC127	0.0549822	0.757366	False
ENSG000001: PABIR1	0.0548883	0.899609	False
ENSG000000: AP5M1	0.0546273	0.854471	False
ENSG000002: TATDN3	0.0546041	0.853769	False
ENSG000001: ADH5	0.0544662	0.73197	False
ENSG000001: LRRC46	0.0544222	0.988719	False
ENSG000001: PRPSAP1	0.0543808	0.798153	False
ENSG000000: MRPL43	0.0543197	0.741757	False
ENSG000001: ZNF615	0.0543122	0.91231	False
ENSG000001: TNRC6B	0.0542963	0.773307	False
ENSG000001: HIBCH	0.0542013	0.791969	False
ENSG000001: AIG1	0.054191	0.866757	False
ENSG000002: PPP1R11	0.0541736	0.799912	False
ENSG000001: EIF3L	0.0541246	0.595038	False
ENSG000001: NIT2	0.0539117	0.755738	False
ENSG000001: PDIA6	0.0538704	0.570124	False
ENSG000000: KDM4A	0.0538517	0.777583	False
ENSG000000: LAMC3	0.0538448	0.908466	False
ENSG000001: FAAP20	0.0538269	0.889075	False
ENSG000001: GGT7	0.0537906	0.98769	False
ENSG000001: CCDC66	0.0537842	0.884069	False
ENSG000001: ABT1	0.0536223	0.725273	False
ENSG000001: NABP2	0.0535189	0.800089	False
ENSG000001: NDUFAF5	0.0534916	0.887659	False
ENSG000001: FLACC1	0.0534065	0.98769	False
ENSG000002: EMP2	0.053148	0.721405	False
ENSG000001: TRMT1L	0.0531251	0.821828	False
ENSG000001: CDK20	0.0529847	0.950051	False

ENSG00000009	HERPUD1	0.0528655	0.776531	False
ENSG00000014	INTS3	0.0528079	0.93976	False
ENSG00000018	EP400	0.0527642	0.747922	False
ENSG00000017	CHTF18	0.0526945	0.897059	False
ENSG00000016	RECQL4	0.0526805	0.793113	False
ENSG00000010	CDK5RAP3	0.0526703	0.876819	False
ENSG00000020	PHACTR4	0.0524885	0.644786	False
ENSG00000018	UROS	0.052347	0.885937	False
ENSG00000017	SPCS3	0.0523291	0.593846	False
ENSG00000009	SLC2A3	0.0523203	0.73812	False
ENSG00000019	LCOR	0.0522805	0.774168	False
ENSG00000009	MFAP3	0.0522655	0.830154	False
ENSG00000029	RAMACL	0.0521902	0.866861	False
ENSG00000019	NKX2-1	0.0521568	0.919605	False
ENSG00000019	RFXAP	0.0520683	0.925531	False
ENSG00000019	CIR1	0.052044	0.793096	False
ENSG00000016	PUSL1	0.0520389	0.891565	False
ENSG00000029	SELENOH	0.0520256	0.71925	False
ENSG00000010	RANGAP1	0.0519566	0.719521	False
ENSG00000019	ATP5MC3	0.0518252	0.460455	False
ENSG00000016	ZFPL1	0.0517949	0.902097	False
ENSG00000019	TRAPPC13	0.0517401	0.897059	False
ENSG00000016	HSF2BP	0.0516504	0.923397	False
ENSG00000016	PRKAA2	0.0516435	0.759157	False
ENSG00000014	TAGLN	0.0514642	0.673911	False
ENSG00000016	TRAPPC10	0.0514593	0.876884	False
ENSG00000024	PISD	0.0513303	0.908473	False
ENSG00000017	SHARPIN	0.0512057	0.910879	False
ENSG00000019	MED21	0.051121	0.836912	False
ENSG00000019	CCL28	0.0510662	0.985467	False
ENSG00000019	ZFYVE27	0.0510502	0.897059	False
ENSG00000017	RAP2A	0.0510357	0.733439	False
ENSG00000017	OPA3	0.0507976	0.904685	False
ENSG00000026	ZNF224	0.0507219	0.929491	False
ENSG00000010	SPG11	0.0507049	0.907481	False
ENSG00000018	TMEM50A	0.0506203	0.756202	False
ENSG00000019	MAGEA1	0.0505517	0.796653	False
ENSG00000016	ERCC3	0.050387	0.808474	False
ENSG00000017	TBC1D15	0.0503271	0.830379	False
ENSG00000024	ZNF585B	0.0501722	0.938707	False
ENSG00000019	IFT43	0.0500005	0.910221	False
ENSG00000019	SKIL	0.0499313	0.785356	False
ENSG00000019	SETD9	0.0499089	0.934727	False
ENSG00000016	CXXC4	0.0498917	0.891664	False
ENSG00000019	SAMD8	0.0498897	0.921247	False
ENSG00000027	SPANXB1	0.049843	0.985704	False
ENSG00000018	GNB1L	0.0498356	0.938934	False
ENSG00000009	RNF19A	0.0498118	0.827232	False
ENSG00000016	UBXN7	0.049794	0.714729	False
ENSG00000019	HYLS1	0.0497408	0.931277	False
ENSG00000017	ZBTB7A	0.0497333	0.695162	False
ENSG00000019	UBE2J1	0.0497185	0.721088	False



ENSG000000! HPF1	0.0496569	0.821077	False
ENSG000001! ZNF710	0.0495935	0.926551	False
ENSG000001! TARDBP	0.0495891	0.598049	False
ENSG000001! CCDC144A	0.0493885	0.953528	False
ENSG000000! CDC42	0.0492639	0.607377	False
ENSG000001! ZNF397	0.0491496	0.927372	False
ENSG000001! LRRC37B	0.0491305	0.897059	False
ENSG000001! DDX19A	0.0489936	0.786414	False
ENSG000001! MRPL41	0.0489425	0.834044	False
ENSG000001! INHBA	0.0488577	0.988719	False
ENSG000001! SFXN2	0.0488572	0.910628	False
ENSG000000! FUCA2	0.0487932	0.717237	False
ENSG000000! PDCD2	0.0487656	0.674152	False
ENSG000000! RNH1	0.0487624	0.836244	False
ENSG000001! KMT5A	0.0487025	0.7538	False
ENSG000001! ACOT9	0.0486545	0.702747	False
ENSG000002! UTP14C	0.0486063	0.870044	False
ENSG000001! CWF19L2	0.0485332	0.883676	False
ENSG000001! CDK5R1	0.0485063	0.90393	True
ENSG000001! SLC35E2B	0.0483641	0.814902	False
ENSG000000! HEATR6	0.048269	0.869365	False
ENSG000001! FRRS1	0.0482436	0.955909	False
ENSG000001! CHM	0.0482219	0.866265	False
ENSG000001! ZMYM3	0.0481418	0.763456	False
ENSG000002! HMGN1	0.0481352	0.554849	False
ENSG000001! RBX1	0.0481046	0.662857	False
ENSG000000! AGPS	0.0479602	0.736811	False
ENSG000001! AP3S2	0.0479557	0.890899	False
ENSG000001! FAAH2	0.0478599	0.906803	False
ENSG000001! PYURF	0.0477092	0.846341	False
ENSG000002! PIGY	0.0477092	0.846341	False
ENSG000001! ADARB1	0.0475435	0.878587	False
ENSG000000! DHX32	0.0472769	0.927372	False
ENSG000001! UBB	0.0472193	0.521993	False
ENSG000001! CTDSP2	0.047201	0.821286	False
ENSG000001! LPGAT1	0.0471784	0.866265	False
ENSG000001! METTL5	0.0471763	0.789216	False
ENSG000001! TMEM94	0.0471173	0.897059	False
ENSG000001! POGLUT2	0.0470975	0.878384	False
ENSG000001! ESD	0.046687	0.766376	False
ENSG000001! ZDHHC17	0.046625	0.913923	False
ENSG000001! ZFP36L2	0.0465993	0.806149	False
ENSG000002! EEF1G	0.0465305	0.512926	False
ENSG000000! CABIN1	0.0465098	0.889573	False
ENSG000001! MT-CO3	0.0465072	0.507398	False
ENSG000001! TMED9	0.0464221	0.536072	False
ENSG000001! CCDC115	0.0463552	0.857721	False
ENSG000001! ZUP1	0.0463037	0.907465	False
ENSG000001! ZCCHC9	0.0462837	0.86925	False
ENSG000001! LARGE2	0.0462492	0.898162	False
ENSG000001! PIGO	0.0461698	0.897059	False
ENSG000001! BTN2A1	0.0461561	0.90744	False

ENSG0000014	ENSA	0.0461544	0.714042	False
ENSG0000016	CIAO2A	0.046145	0.713583	False
ENSG0000013	YWHAQ	0.0461293	0.514267	False
ENSG0000014	MEPCE	0.0460874	0.836493	False
ENSG0000020	ZDHC18	0.0460239	0.944778	False
ENSG0000014	C18orf21	0.045984	0.911058	False
ENSG0000020	DAXX	0.045902	0.853769	False
ENSG0000009	ITIH4	0.0458106	0.990037	False
ENSG0000016	KCNAB1	0.0458106	0.990037	False
ENSG0000000	WAS	0.0458106	0.990037	False
ENSG0000014	SLC39A1	0.0456431	0.77171	False
ENSG0000016	PUS10	0.0456105	0.948709	False
ENSG0000017	ORMDL3	0.0455469	0.904319	False
ENSG0000018	ZSCAN22	0.0454	0.950058	False
ENSG0000019	TMEM86A	0.0453202	0.988967	False
ENSG0000018	GPR89B	0.0452635	0.894198	False
ENSG0000013	SSBP4	0.0451923	0.865443	False
ENSG0000014	EFCAB11	0.0451523	0.897059	False
ENSG0000012	CDH15	0.0451331	0.990684	False
ENSG0000013	KNL1	0.0450382	0.808664	False
ENSG0000013	COL5A1	0.0448858	0.691429	False
ENSG0000012	UROD	0.0448676	0.844056	False
ENSG0000013	RCBTB1	0.0448519	0.95124	True
ENSG0000023	UQCRHL	0.0448478	0.915925	False
ENSG0000014	ERLIN2	0.0447896	0.864747	False
ENSG0000016	ATP5PD	0.044681	0.87351	False
ENSG0000000	PSMB1	0.0446753	0.579304	False
ENSG0000013	COX7B	0.0445281	0.579304	False
ENSG0000020	LEPROT	0.0443415	0.896331	False
ENSG0000016	BOLA3	0.0443283	0.74483	False
ENSG0000019	WDR19	0.0442477	0.931158	False
ENSG0000000	BCAP29	0.0442056	0.836026	False
ENSG0000018	SPDYE16	0.0440218	0.988719	False
ENSG0000020	PSENE1	0.0440174	0.897059	False
ENSG0000013	SERINC1	0.0439647	0.789604	False
ENSG0000000	HACD3	0.0439435	0.675226	False
ENSG0000016	STT3B	0.0439379	0.718068	False
ENSG0000000	IGF1	0.0439089	0.932088	False
ENSG0000012	CCDC32	0.0438362	0.897059	False
ENSG0000012	SLC66A2	0.0438298	0.897059	False
ENSG0000014	IGFBP4	0.043751	0.893104	False
ENSG0000012	DEK	0.0436988	0.597179	False
ENSG0000016	PPM1A	0.0436048	0.829001	False
ENSG0000014	POLR2K	0.043539	0.79947	False
ENSG0000018	NDUFA6	0.0433567	0.710854	False
ENSG0000016	ZNF75A	0.0431352	0.941414	False
ENSG0000019	WDR45	0.0430457	0.929972	False
ENSG0000017	GBA1	0.0430424	0.910879	False
ENSG0000018	SIGIRR	0.0430334	0.960273	False
ENSG0000013	DLST	0.0429958	0.813704	False
ENSG0000018	FZD9	0.0429914	0.973161	False
ENSG0000017	ADORA2B	0.0429869	0.927372	False

ENSG0000016	RAMAC	0.0429609	0.880727	False
ENSG0000017	NINJ2	0.0428459	0.972952	False
ENSG0000010	RPAP1	0.0427593	0.886215	False
ENSG0000016	ATRIP	0.0426763	0.912627	False
ENSG0000014	HMGA2	0.0426697	0.973288	False
ENSG0000009	MRPS18A	0.0426346	0.897059	False
ENSG0000017	C12orf54	0.0426069	0.941307	False
ENSG0000009	ECHDC1	0.0424723	0.747031	False
ENSG0000017	DRAP1	0.0423945	0.846475	False
ENSG0000010	PLEKHB2	0.0423913	0.853295	False
ENSG0000027	NBPF26	0.0423454	0.788948	False
ENSG0000000	TTC19	0.0422732	0.792912	False
ENSG0000010	BLZF1	0.0422673	0.911704	False
ENSG0000014	C1orf216	0.0421827	0.898889	False
ENSG0000010	PRDM2	0.0421316	0.922678	False
ENSG0000000	MCUB	0.0421238	0.888409	False
ENSG0000017	SRP72	0.0420021	0.626358	False
ENSG0000019	GMFB	0.041986	0.830096	False
ENSG0000009	OSBPL8	0.0418745	0.811115	False
ENSG0000009	HIVEP1	0.0418632	0.907911	False
ENSG0000017	ZNF619	0.0418616	0.942094	False
ENSG0000010	RIOK3	0.0418435	0.869685	False
ENSG0000019	TAGLN2	0.0418264	0.523541	False
ENSG0000000	PFN2	0.0416778	0.714704	False
ENSG0000017	FAM53C	0.0415877	0.800089	False
ENSG0000010	DECR1	0.0415742	0.890875	False
ENSG0000010	NSD2	0.0415681	0.695162	False
ENSG0000016	TLCD1	0.0414548	0.914573	True
ENSG0000017	UNC119B	0.0414154	0.932088	False
ENSG0000010	INO80D	0.0412788	0.853494	False
ENSG0000009	TTC17	0.0412339	0.870191	False
ENSG0000024	ZCCHC3	0.0411098	0.865295	False
ENSG0000019	DSCC1	0.0410513	0.841255	False
ENSG0000010	HNRNPUL1	0.0409293	0.700071	False
ENSG0000010	PIGH	0.040612	0.928252	False
ENSG0000019	TRAF3	0.0405882	0.835179	False
ENSG0000010	ZDHHC2	0.0405796	0.824451	False
ENSG0000018	ZNF74	0.0405382	0.907628	False
ENSG0000019	RUNDC1	0.0403592	0.86122	False
ENSG0000019	NPR2	0.040318	0.972081	False
ENSG0000017	SMAD9	0.0402263	0.950122	False
ENSG0000017	GK5	0.0402042	0.903263	False
ENSG0000014	IL22RA1	0.0401824	0.988719	False
ENSG0000014	CLTRN	0.0401824	0.988719	False
ENSG0000029	KIFC1	0.0401395	0.842858	False
ENSG0000010	ZC3H14	0.0399589	0.745769	False
ENSG0000017	CHID1	0.0398962	0.881725	False
ENSG0000016	RPL9	0.0398441	0.53433	False
ENSG0000018	KIF24	0.0398348	0.967692	False
ENSG0000000	RPS20	0.0398336	0.510086	False
ENSG0000010	SMAD7	0.0397384	0.945999	False
ENSG0000017	PPAT	0.0396637	0.839632	False

ENSG000001010101	SNTA1	0.0396459	0.916774	False
ENSG000001010101	RSU1	0.0396307	0.827766	False
ENSG000000010101	SLC44A1	0.039572	0.805671	False
ENSG000001010101	RPS27A	0.039486	0.523208	False
ENSG000001010101	OIP5	0.0393921	0.779718	False
ENSG000000010101	METTL2	0.0393617	0.96262	False
ENSG000000210101	TYW1B	0.0393543	0.907684	False
ENSG000001010101	MT-ND3	0.0393157	0.535922	False
ENSG000001010101	TNRC18	0.0393018	0.95124	False
ENSG000001010101	PRIM2	0.0392538	0.897059	False
ENSG000000210101	FASTKD5	0.0392457	0.839712	False
ENSG000001010101	ZNF419	0.039109	0.934211	False
ENSG000001010101	NEK8	0.0389322	0.97396	False
ENSG000001010101	PCBD2	0.0389055	0.897059	False
ENSG000001010101	LDAH	0.0388591	0.940361	False
ENSG000001010101	TRIM65	0.0388023	0.890408	False
ENSG000001010101	PSMC3	0.0387958	0.820211	False
ENSG000000010101	ERLEC1	0.0387743	0.859174	False
ENSG000001010101	CHAF1A	0.0387633	0.810575	False
ENSG000001010101	SHMT1	0.0386196	0.897352	False
ENSG000001010101	BMP8B	0.0385687	0.961339	False
ENSG000000210101	RNASE4	0.0385068	0.97396	False
ENSG000001010101	VPS28	0.038494	0.848242	False
ENSG000001010101	VEGFB	0.038417	0.883979	False
ENSG000001010101	UBFD1	0.0382937	0.845356	False
ENSG000001010101	CAP1	0.0382587	0.73416	False
ENSG000000010101	MED29	0.0382437	0.897059	False
ENSG000001010101	ZNF761	0.0382228	0.938181	False
ENSG000000010101	ADGRL1	0.0381001	0.845949	False
ENSG000001010101	JAG2	0.0380903	0.897059	True
ENSG000001010101	STX8	0.037978	0.923397	False
ENSG000000010101	XRCC1	0.037946	0.921506	False
ENSG000001010101	VPS53	0.0376835	0.871507	False
ENSG000001010101	TUBGCP3	0.0374862	0.827766	False
ENSG000001010101	ANAPC13	0.0373083	0.845494	False
ENSG000001010101	TTC13	0.0372998	0.964579	False
ENSG000001010101	HDLBP	0.0370816	0.821286	False
ENSG000001010101	PPARA	0.0368678	0.948667	False
ENSG000001010101	FAM171B	0.0367038	0.973415	False
ENSG000001010101	CNN3	0.0366725	0.860034	False
ENSG000001010101	AP4B1	0.0364826	0.933664	False
ENSG000001010101	FKBP3	0.0364239	0.724189	False
ENSG000001010101	ZNF175	0.0363834	0.941645	False
ENSG000001010101	ZNF527	0.0363023	0.964009	False
ENSG000001010101	RPL29	0.0361978	0.760395	False
ENSG000000010101	MCAM	0.0361831	0.897059	False
ENSG000001010101	HMOX2	0.0360395	0.923993	False
ENSG000000010101	CROT	0.0359351	0.939965	True
ENSG000001010101	DHX40	0.035912	0.847172	False
ENSG000001010101	SEPTIN6	0.035727	0.84558	False
ENSG000001010101	FUNDC2	0.0357103	0.838081	False
ENSG000001010101	MYO1C	0.03571	0.853997	False

ENSG0000019	ZNF136	0.0356952	0.963488	False
ENSG0000019	SLF1	0.0354944	0.869354	False
ENSG0000014	RCN3	0.0354939	0.971273	False
ENSG0000017	RAB1B	0.0354536	0.880727	False
ENSG0000004	FAM120A	0.0354043	0.641951	False
ENSG0000016	LRP5	0.035364	0.930942	False
ENSG0000027	CD24	0.0352983	0.624317	False
ENSG0000017	NMNAT1	0.035287	0.958914	False
ENSG0000014	MIEN1	0.0352432	0.911058	False
ENSG0000006	RNF4	0.0352138	0.898887	False
ENSG0000007	EXOC5	0.0351727	0.85551	False
ENSG0000016	CFAP36	0.0349445	0.902785	False
ENSG0000014	SCCPDH	0.0348697	0.704945	False
ENSG0000017	HSD11B2	0.0347117	0.9847	False
ENSG0000019	HMGXB3	0.0345989	0.921722	False
ENSG0000026	S1PR2	0.0345622	0.95788	False
ENSG0000016	DRAXIN	0.0344159	0.992936	False
ENSG0000019	ESYT3	0.0343011	0.982659	False
ENSG0000009	SUPT16H	0.0342337	0.719239	False
ENSG0000016	SMARCD2	0.0342306	0.90028	False
ENSG0000016	NUDT16L1	0.0341721	0.88229	False
ENSG0000007	ANK1	0.0341704	0.985107	False
ENSG0000017	WDR11	0.0341123	0.906078	False
ENSG0000017	HERC2	0.0339266	0.883673	False
ENSG0000019	TACO1	0.0338386	0.919837	False
ENSG0000016	TNIP2	0.0338373	0.911185	False
ENSG0000017	TMEM11	0.0337674	0.847359	False
ENSG0000017	MRPL57	0.0337179	0.865443	False
ENSG0000026	ABCF1	0.0336568	0.808474	False
ENSG0000014	TRMT10A	0.0336284	0.929972	False
ENSG0000007	ZNF532	0.0335647	0.910628	False
ENSG0000016	NDUFV3	0.0335044	0.890846	True
ENSG0000016	C18orf54	0.033456	0.93418	False
ENSG0000019	RPA2	0.0334307	0.877012	False
ENSG0000019	PAXBP1	0.0334287	0.937011	False
ENSG0000017	COMMD1	0.0334236	0.822327	False
ENSG0000014	ERVK3-1	0.0333333	0.879577	False
ENSG0000018	ZNF395	0.0332852	0.944244	False
ENSG0000014	SNRNP200	0.0332546	0.770904	False
ENSG0000019	ZNF773	0.033235	0.992989	False
ENSG0000016	TUBA1A	0.0330494	0.678099	False
ENSG0000009	TRAPPC3	0.0330148	0.874658	False
ENSG0000016	MRPS31	0.0330145	0.942408	False
ENSG0000016	HACD1	0.0329839	0.84827	False
ENSG0000016	MTCH2	0.0328978	0.691452	False
ENSG0000019	KCNC4	0.0328614	0.964712	False
ENSG0000017	NDUFAF3	0.0326774	0.869685	False
ENSG0000018	ANKFY1	0.0324314	0.885416	False
ENSG0000014	SMYD2	0.0324314	0.847973	False
ENSG0000018	FAM83G	0.0323226	0.950058	False
ENSG0000017	NECAB3	0.0323133	0.947979	False
ENSG0000018	ZBTB37	0.0322122	0.944888	False

ENSG0000016 LY6K	0.032061	0.798926	False
ENSG0000016 ZBTB49	0.0320217	0.972952	False
ENSG0000019 ANKRD50	0.0319587	0.943342	False
ENSG0000016 HMOX1	0.0318937	0.924566	True
ENSG0000014 ABCA8	0.0318379	0.931939	False
ENSG0000019 ARF3	0.031758	0.795211	False
ENSG0000016 AP2M1	0.0317393	0.836026	False
ENSG0000019 NPIP15	0.0314619	0.979284	False
ENSG0000027 TMEM233	0.0314011	0.993136	False
ENSG0000019 AK5	0.0314011	0.993136	False
ENSG0000017 SIRT5	0.0313577	0.927144	False
ENSG0000019 COMMD2	0.031214	0.864328	False
ENSG0000007 SIRT6	0.0311635	0.951843	False
ENSG0000017 TRAPPC12	0.0311216	0.951805	False
ENSG0000019 TMEM258	0.0310589	0.813847	False
ENSG0000018 INTS5	0.031027	0.904617	False
ENSG0000016 DUSP7	0.0309554	0.912918	False
ENSG0000019 CAMSAP1	0.0308623	0.897059	False
ENSG0000020 TRAF3IP1	0.0308241	0.910879	False
ENSG0000026 ZNF234	0.0307366	0.926731	False
ENSG0000014 ITGB3BP	0.0307143	0.902306	False
ENSG0000017 ZNF713	0.0306922	0.982289	False
ENSG0000017 MORF4L2	0.0306701	0.69575	False
ENSG0000014 TCF12	0.030596	0.847359	False
ENSG0000017 FBXL12	0.0305446	0.95152	False
ENSG0000019 EMSY	0.0304714	0.913879	False
ENSG0000017 CLTA	0.0304594	0.822244	False
ENSG0000019 VPS4A	0.0303697	0.899043	False
ENSG0000019 KRT34	0.0303599	0.991314	False
ENSG0000016 PCK2	0.0303227	0.966291	False
ENSG0000016 CHCHD4	0.0303176	0.891804	False
ENSG0000019 NPTN	0.0302341	0.814027	False
ENSG0000019 ABR	0.0302082	0.897059	False
ENSG0000017 BAIAP2	0.0301607	0.947979	True
ENSG0000009 SZRD1	0.0301486	0.886215	False
ENSG0000016 MIB1	0.0301462	0.891279	False
ENSG0000009 TLL2	0.0301456	0.990013	False
ENSG0000019 UBR1	0.0301339	0.905858	False
ENSG0000014 HORMAD1	0.0301131	0.94843	False
ENSG0000019 CNOT11	0.0299442	0.855055	False
ENSG0000019 RDX	0.0299238	0.770784	False
ENSG0000019 NADK2	0.0299054	0.893989	False
ENSG0000027 HAUS3	0.0298898	0.926737	False
ENSG0000016 PRDX3	0.0298613	0.7744	False
ENSG0000016 VPS72	0.0296204	0.89245	False
ENSG0000019 P3H1	0.0295996	0.950058	False
ENSG0000019 NCBP1	0.0295648	0.850532	False
ENSG0000027 NBPF8	0.0295534	0.846475	False
ENSG0000018 CEP97	0.0295283	0.905161	False
ENSG0000014 OSBPL1A	0.0294828	0.897059	False
ENSG0000016 PPP1R37	0.0294614	0.963317	False
ENSG0000016 BLMH	0.0294136	0.829718	False

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ENSG000000: TACC3	0.029232	0.857403	False
ENSG000001: C10orf67	0.0292024	0.992447	False
ENSG000002: LINC02210-C1	0.0292024	0.992447	False
ENSG000001: WNK4	0.0292024	0.992447	False
ENSG000001: SCFD2	0.0291799	0.939965	False
ENSG000001: PGK1	0.029157	0.689804	False
ENSG000001: RNF207	0.0291074	0.983602	False
ENSG000001: SNRPN	0.0291022	0.881725	False
ENSG000001: MZT2A	0.0290879	0.918052	False
ENSG000001: CLYBL	0.0290635	0.962999	False
ENSG000001: RND2	0.0290029	0.986922	False
ENSG000001: BRD3	0.0289813	0.845949	False
ENSG000001: BARD1	0.0289733	0.882523	False
ENSG000000: IDI1	0.0289316	0.83561	False
ENSG000001: SESN3	0.0289163	0.919605	False
ENSG000001: NUP85	0.0288396	0.865443	False
ENSG000002: SKIC2	0.0287206	0.906278	False
ENSG000001: ARID5B	0.0286981	0.928628	False
ENSG000002: AGAP6	0.0286907	0.956431	False
ENSG000001: SART1	0.0286381	0.951936	False
ENSG000001: RPL37A	0.0286038	0.714729	False
ENSG000001: MBOAT2	0.0285657	0.915818	False
ENSG000002: TM4SF19-DYN	0.0285148	0.985559	False
ENSG000001: MRPL42	0.0284864	0.854189	False
ENSG000001: PFKFB2	0.028392	0.925004	False
ENSG000001: CDC42SE1	0.0283583	0.870098	True
ENSG000001: JHY	0.0283138	0.903042	False
ENSG000000: ACAA1	0.0282642	0.909658	False
ENSG000001: APH1A	0.0282204	0.809412	False
ENSG000001: SNAP47	0.0281203	0.912979	False
ENSG000000: RECQL	0.0279712	0.882277	False
ENSG000001: PRPF3	0.0278559	0.9349	False
ENSG000001: MSX2	0.0277483	0.95972	False
ENSG000001: ZNF841	0.0276108	0.985344	False
ENSG000001: STK36	0.0275051	0.910879	False
ENSG000001: TRMT2B	0.0274035	0.923318	False
ENSG000001: SEPTIN10	0.0273007	0.904902	False
ENSG000002: HTD2	0.0272068	0.899329	False
ENSG000000: ARCN1	0.0271892	0.909735	False
ENSG000001: MAN2C1	0.0271761	0.981298	False
ENSG000001: UQCR10	0.0271702	0.876489	False
ENSG000002: ZNF468	0.0270986	0.958136	False
ENSG000001: IFT22	0.0270841	0.950822	False
ENSG000000: GDE1	0.0270812	0.84558	False
ENSG000001: UBE2G2	0.0270616	0.900765	False
ENSG000001: FAHD2B	0.0269219	0.95152	False
ENSG000001: GAS6	0.0267799	0.97396	False
ENSG000001: ANKRD52	0.0267784	0.897059	False
ENSG000001: COQ10B	0.0267176	0.916143	False
ENSG000000: RNF10	0.0266936	0.873627	False
ENSG000002: NBPF15	0.0266231	0.866038	False

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ENSG00000101102	STK35	0.0265792	0.916075	False
ENSG00000101103	RPS12	0.0265692	0.674332	True
ENSG00000101104	MFSD8	0.0265566	0.963493	False
ENSG00000101105	AKT2	0.0264919	0.833083	False
ENSG00000101106	TSC22D1	0.0263599	0.85814	True
ENSG00000101107	GNB1	0.0263033	0.796753	False
ENSG00000101108	RPSA	0.0263023	0.73812	False
ENSG00000101109	SS18L1	0.0262405	0.934804	False
ENSG00000101110	SLC35A3	0.0260933	0.909198	False
ENSG00000101111	COBL	0.0259363	0.897059	False
ENSG00000101112	RECK	0.025821	0.972149	False
ENSG00000101113	BRMS1	0.0258115	0.931572	False
ENSG00000101114	RPL8	0.0256744	0.746353	False
ENSG00000101115	SLC37A4	0.0256678	0.928258	False
ENSG00000101116	CLCN3	0.0256468	0.910517	False
ENSG00000101117	PRKRA	0.0256071	0.907628	False
ENSG00000101118	RNASEK-C170	0.0255962	0.911058	False
ENSG00000101119	PTGR2	0.0254921	0.986093	False
ENSG00000101120	NCSTN	0.0254339	0.941818	False
ENSG00000101121	ATP6AP1	0.0254004	0.847973	False
ENSG00000101122	SPATA5	0.0252415	0.94195	False
ENSG00000101123	PPIG	0.0252253	0.866862	False
ENSG00000101124	MRTFB	0.0250787	0.95571	False
ENSG00000101125	HSF2	0.0248354	0.897059	False
ENSG00000101126	RBM5	0.0247993	0.907123	False
ENSG00000101127	NFATC4	0.0247708	0.94843	False
ENSG00000101128	CHST12	0.0246148	0.934761	False
ENSG00000101129	TACC1	0.024581	0.878034	False
ENSG00000101130	TOR3A	0.0244795	0.924681	False
ENSG00000101131	DCUN1D1	0.024371	0.9003	False
ENSG00000101132	EIF4G3	0.0243349	0.928425	False
ENSG00000101133	HNRNPD	0.0241901	0.787109	False
ENSG00000101134	SHPRH	0.0241631	0.955909	False
ENSG00000101135	TXNRD1	0.0240428	0.874682	False
ENSG00000101136	SKIC8	0.0239692	0.897059	False
ENSG00000101137	ZNF785	0.0239117	0.971188	False
ENSG00000101138	STAU2	0.0236188	0.89842	False
ENSG00000101139	FAHD2A	0.0234345	0.95829	False
ENSG00000101140	TRMT6	0.023341	0.909159	False
ENSG00000101141	PSMC1	0.0232202	0.845494	False
ENSG00000101142	ORMDL1	0.023197	0.897059	False
ENSG00000101143	SACS	0.0230739	0.908473	False
ENSG00000101144	PNPLA2	0.0230716	0.944619	False
ENSG00000101145	EIF1AD	0.0230131	0.93357	False
ENSG00000101146	SHMT2	0.0228768	0.922678	False
ENSG00000101147	ZMYND19	0.0228538	0.917098	False
ENSG00000101148	LYPLAL1	0.0228506	0.946015	False
ENSG00000101149	USP22	0.0228105	0.860034	False
ENSG00000101150	SETX	0.0227514	0.910581	False
ENSG00000101151	ZNF638	0.0226491	0.8915	False
ENSG00000101152	RPL36AL	0.0226333	0.84362	False



ENSG000002: INAFM2	0.0225563	0.972142	False
ENSG000001: USP32	0.0225435	0.942688	False
ENSG000001: DENND10	0.0225062	0.920164	False
ENSG000002: MDP1	0.0223938	0.943973	False
ENSG000000: DYNLL1	0.0223273	0.820077	False
ENSG000000: FHIP1B	0.0223174	0.972142	False
ENSG000000: MATR3	0.0222785	0.85206	False
ENSG000000: PRTFDC1	0.0222362	0.91654	False
ENSG000001: MAGEF1	0.0222272	0.919837	False
ENSG000000: CARMIL1	0.0221643	0.957567	False
ENSG000001: RMND1	0.0221347	0.976185	False
ENSG000001: GORAB	0.0221299	0.955443	False
ENSG000001: NDUFB6	0.0221146	0.898964	False
ENSG000001: RYBP	0.021918	0.938934	False
ENSG000001: AGMAT	0.0217408	0.939547	False
ENSG000001: MEX3D	0.0216831	0.904914	False
ENSG000000: AFF4	0.0216164	0.8915	False
ENSG000001: SUMO3	0.021605	0.843824	False
ENSG000001: FBXW2	0.0215395	0.885416	False
ENSG000001: RPL3	0.021539	0.801632	False
ENSG000001: HMX3	0.0215314	0.959816	False
ENSG000002: MATR3	0.0215231	0.858718	False
ENSG000001: TCF7L1	0.0213921	0.985019	False
ENSG000001: TSC22D2	0.021372	0.941026	False
ENSG000001: NDUFA13	0.0212449	0.910476	False
ENSG000001: PRDM15	0.021214	0.9622	False
ENSG000002: SYNRG	0.0211098	0.912065	False
ENSG000001: SGMS1	0.021107	0.941309	False
ENSG000001: SCYL2	0.021096	0.91654	False
ENSG000001: SUPT7L	0.0209294	0.952495	True
ENSG000001: WFDC1	0.0209059	0.932078	False
ENSG000001: GPS2	0.0208533	0.928413	False
ENSG000001: WDR4	0.0205877	0.927149	False
ENSG000000: PSMA4	0.0205239	0.862193	False
ENSG000001: ELMOD2	0.0205214	0.955715	False
ENSG000001: COL12A1	0.0204549	0.908008	False
ENSG000001: EME2	0.0203484	0.986093	False
ENSG000000: ACTB	0.0202341	0.7958	False
ENSG000001: PPP3CC	0.0201239	0.960091	False
ENSG000001: NPAS3	0.0201065	0.988719	False
ENSG000001: CFL2	0.0200491	0.9157	False
ENSG000001: XPNPEP1	0.0199251	0.944789	False
ENSG000001: CATSPER2	0.0199031	0.987969	False
ENSG000001: TMEM161B	0.0198379	0.955909	False
ENSG000001: FTO	0.0196986	0.933743	False
ENSG000001: ELL	0.0196933	0.951227	False
ENSG000001: RIC8A	0.0196688	0.923504	False
ENSG000001: VKORC1	0.0195549	0.912803	False
ENSG000002: MRPL53	0.0194258	0.933039	False
ENSG000002: MRPS6	0.0194072	0.906592	False
ENSG000002: AP1G2	0.0191588	0.982633	False
ENSG000000: CNTLN	0.0190559	0.949299	False

ENSG000001: DGLUCY	0.0190214	0.988719	False
ENSG000001: SEC13	0.0188172	0.885416	False
ENSG000001: CEP152	0.0187902	0.927372	False
ENSG000000: EDC4	0.0186739	0.930582	False
ENSG000001: TUT4	0.0186576	0.955909	False
ENSG000001: GNB4	0.0186474	0.889765	False
ENSG000001: SCAMP3	0.0185595	0.956431	False
ENSG000001: CORO1C	0.0185385	0.920164	False
ENSG000001: MAN2A1	0.0184911	0.90925	False
ENSG000001: DDR2	0.0184667	0.983201	False
ENSG000000: PHGDH	0.0184402	0.931939	False
ENSG000001: RAB11B	0.0184147	0.948543	False
ENSG000001: RPL36	0.0183676	0.843072	True
ENSG000001: ARL14EP	0.0183416	0.95788	False
ENSG000001: PALM2AKAP2	0.018337	0.914591	False
ENSG000001: TUBD1	0.0182255	0.972142	False
ENSG000001: SPSB3	0.0182015	0.972142	False
ENSG000000: ZZZ3	0.0181295	0.93007	False
ENSG000001: DNMT1	0.0179077	0.980117	False
ENSG000001: SAP130	0.0178611	0.960273	False
ENSG000001: SEPTIN2	0.0178459	0.900076	False
ENSG000001: FXR2	0.0178404	0.916075	False
ENSG000001: CDK10	0.0176228	0.972952	False
ENSG000001: METTL26	0.0176115	0.959963	False
ENSG000002: NBPFL1	0.0175711	0.922561	False
ENSG000001: S100A13	0.0175354	0.927568	False
ENSG000001: ARIH1	0.0174452	0.921247	False
ENSG000001: NOTCH2	0.0173342	0.927372	False
ENSG000001: NAXE	0.0173095	0.916922	False
ENSG000001: SOX13	0.017036	0.982289	False
ENSG000001: CXorf38	0.0169629	0.981475	False
ENSG000001: SENP2	0.0168361	0.93992	False
ENSG000001: SRP19	0.0168304	0.913879	False
ENSG000001: SLC25A6	0.0168301	0.874658	False
ENSG000000: ERC1	0.0167804	0.95152	False
ENSG000002: ARHGAP11A-5	0.0167339	0.986093	False
ENSG000001: MTX1	0.0166739	0.959445	False
ENSG000001: SRD5A1	0.0164604	0.95218	False
ENSG000001: FTSJ3	0.0163796	0.950051	False
ENSG000001: EIF4A3	0.0162551	0.897059	False
ENSG000001: EHBP1L1	0.0162036	0.985344	False
ENSG000001: HSD17B11	0.0160764	0.962999	False
ENSG000001: SIRT7	0.0160486	0.958369	False
ENSG000001: PPOX	0.0160393	0.977297	False
ENSG000001: ABHD6	0.0159599	0.98138	False
ENSG000001: WARS2	0.0158394	0.9622	False
ENSG000001: PEX11A	0.0157241	0.982279	False
ENSG000001: OXSR1	0.0155902	0.935887	False
ENSG000001: RPL39	0.0155626	0.827659	False
ENSG000000: PIGS	0.0154653	0.939965	False
ENSG000001: DDX54	0.0152969	0.923637	False
ENSG000000: ZFAT	0.0152678	0.981856	False

ENSG000001: ACTR8	0.0152388	0.957232	False
ENSG000001: SNX16	0.0151742	0.985314	False
ENSG000001: IFI6	0.0150905	0.972641	False
ENSG000000: IPO5	0.0150852	0.898964	False
ENSG000001: PLPPR2	0.0150803	0.982318	False
ENSG000001: PASK	0.0150536	0.980117	False
ENSG000001: SGTB	0.0149793	0.981524	False
ENSG000001: SCAF11	0.0149439	0.894331	False
ENSG000000: WDR54	0.0148787	0.951936	False
ENSG000001: MSRB3	0.0148787	0.94843	False
ENSG000001: ZC3H10	0.0148051	0.98727	False
ENSG000001: ODAD2	0.0147684	0.983201	False
ENSG000001: C1orf50	0.0147395	0.982659	False
ENSG000001: KBTBD4	0.0146469	0.977213	False
ENSG000001: ARPC5L	0.0146434	0.920164	False
ENSG000002: GPR20	0.0145571	0.988719	False
ENSG000001: ALDH16A1	0.0144175	0.97396	False
ENSG000002: C17orf100	0.0143237	0.988719	False
ENSG000000: MAPK6	0.0143136	0.94498	False
ENSG000001: COX5A	0.0142078	0.893444	False
ENSG000002: HERC3	0.0142024	0.988719	False
ENSG000000: IGSF9	0.0142	0.989698	False
ENSG000001: ZC3H12A	0.0141324	0.983187	False
ENSG000000: SNX11	0.0141297	0.982615	False
ENSG000001: ZCCHC17	0.0140818	0.949968	False
ENSG000001: RPS2	0.0140505	0.873677	False
ENSG000001: GLRX3	0.0140376	0.945673	False
ENSG000001: RPL37	0.01399	0.853832	False
ENSG000001: METTL17	0.0139335	0.947824	False
ENSG000000: SRI	0.0139308	0.927372	False
ENSG000001: PRPF38A	0.0137637	0.930355	False
ENSG000001: FAM193A	0.0137253	0.967944	False
ENSG000001: PSMB6	0.0137158	0.909658	False
ENSG000001: SMG8	0.0136974	0.95972	False
ENSG000001: ATP5PB	0.0135571	0.897059	False
ENSG000001: PFN1	0.0135319	0.927372	False
ENSG000001: CNN1	0.0134741	0.977726	False
ENSG000001: RAD54L2	0.0134741	0.962383	False
ENSG000001: SP110	0.013415	0.983473	False
ENSG000001: KLHL11	0.013354	0.96015	False
ENSG000002: MICOS10-NBL	0.0132046	0.985559	False
ENSG000001: EIF4G2	0.0130488	0.87271	False
ENSG000001: USP12	0.0129733	0.971935	False
ENSG000001: BMAL1	0.0129724	0.981856	False
ENSG000001: UBE2Q2	0.01281	0.962432	False
ENSG000001: MXRA7	0.0127889	0.934377	False
ENSG000001: PLCB3	0.0127041	0.972081	False
ENSG000001: SCEP1	0.0126834	0.981856	False
ENSG000001: TPT1	0.0126629	0.879577	False
ENSG000001: POLR2G	0.0126443	0.927144	False
ENSG000001: ALKBH1	0.0125691	0.985559	False
ENSG000001: GTF2B	0.0125607	0.971273	False

ENSG0000018 BCAP31	0.0123323	0.940445	False
ENSG0000019 KLF10	0.0122973	0.97509	False
ENSG0000017 KLC1	0.0122219	0.950051	False
ENSG0000020 JPT2	0.012177	0.931499	False
ENSG0000016 ZNF598	0.0121634	0.96262	False
ENSG0000016 UBE2V2	0.0121104	0.908672	False
ENSG0000009 ZNF184	0.012075	0.981856	False
ENSG0000017 CCNT1	0.0120587	0.939965	False
ENSG0000027 POLR2J2	0.0120338	0.973125	False
ENSG0000014 ASB6	0.0120002	0.978974	False
ENSG0000017 SP3	0.0119948	0.973278	False
ENSG0000010 GCAT	0.0119219	0.98003	False
ENSG0000018 ARHGAP45	0.0118085	0.981856	False
ENSG0000017 NFXL1	0.0117726	0.984905	False
ENSG0000017 DSEL	0.0117056	0.95788	False
ENSG0000029 ANKHD1-EIF4I	0.0116103	0.939801	False
ENSG0000016 ZHX1	0.0115075	0.953506	False
ENSG0000014 TBC1D32	0.0115026	0.988719	False
ENSG0000016 VDAC2	0.0114579	0.923397	False
ENSG0000019 RPS4X	0.0113295	0.897059	False
ENSG0000014 DPP9	0.0113118	0.977726	False
ENSG0000010 ABHD17B	0.0111952	0.972142	False
ENSG0000014 CLTC	0.0111757	0.908008	False
ENSG0000017 TVP23B	0.0111021	0.958499	False
ENSG0000013 LRIG3	0.0110453	0.988719	False
ENSG0000019 MT-ND5	0.0110313	0.909658	False
ENSG0000020 ARHGEF33	0.0110225	0.988719	False
ENSG0000014 DSN1	0.010984	0.942125	False
ENSG0000017 SYNPO	0.0109787	0.97396	False
ENSG0000020 DDAH2	0.0109763	0.926737	False
ENSG0000010 NDUFB3	0.0108264	0.971273	False
ENSG0000000 CPSF1	0.0107737	0.976185	False
ENSG0000019 DLG5	0.0106652	0.969842	False
ENSG0000016 PHAX	0.0106261	0.93835	False
ENSG0000013 SPART	0.0105882	0.951936	False
ENSG0000017 TAF7	0.0104338	0.950058	False
ENSG0000000 RALA	0.0103844	0.950346	False
ENSG0000017 TMEM39B	0.010329	0.985559	False
ENSG0000017 CBX2	0.0102373	0.969428	False
ENSG0000016 TRAPPC9	0.0102362	0.98769	False
ENSG0000017 ZNF24	0.0102262	0.950058	False
ENSG0000017 ARV1	0.0101075	0.967143	False
ENSG0000017 TVP23C	0.0101044	0.962999	False
ENSG0000013 HERC3	0.0100963	0.988719	False
ENSG0000017 SLC35E1	0.0100932	0.95788	False
ENSG0000010 COG4	0.00998244	0.982659	False
ENSG0000017 TUBA1B	0.00997785	0.897059	False
ENSG0000017 TEFM	0.00990914	0.985344	False
ENSG0000018 TBK1	0.00978515	0.982835	False
ENSG0000017 PSMD14	0.00970094	0.960025	False
ENSG0000017 NPHP3	0.00957252	0.988719	False
ENSG0000014 EAF2	0.00947326	0.993075	False

ENSG000001010001	RFC4	0.00945115	0.951069	False
ENSG000001010001	RBM17	0.0094321	0.944721	False
ENSG000001010001	COPG1	0.00938661	0.974139	False
ENSG000001010001	SLC35A1	0.00935414	0.97554	False
ENSG000001010001	LRP8	0.00934011	0.967909	False
ENSG000001010001	STX2	0.00932501	0.980527	False
ENSG000001010001	VEGFA	0.0092568	0.977297	False
ENSG000001010001	LZTR1	0.00911167	0.988719	False
ENSG000001010001	MRTFA	0.00904221	0.98769	False
ENSG000001010001	RNF38	0.00902961	0.988719	False
ENSG000001010001	HSPA12A	0.00896078	0.990395	False
ENSG000001010001	PWWP2A	0.00890627	0.971932	False
ENSG000001010001	ACTR3	0.0088371	0.94347	False
ENSG000001010001	NAP1L1	0.00876242	0.907465	False
ENSG000001010001	DOLPP1	0.00863528	0.981856	False
ENSG000001010001	PDGFB	0.00860253	0.99391	False
ENSG000001010001	NDUFA11	0.00826182	0.965152	False
ENSG000001010001	CASC3	0.00821089	0.961003	False
ENSG000001010001	JADE1	0.00818999	0.965874	False
ENSG000001010001	HRK	0.00816764	0.99391	False
ENSG000001010001	TDP1	0.00802811	0.982659	False
ENSG000001010001	NDUFA8	0.00798438	0.968769	False
ENSG000001010001	ZNF587B	0.00787374	0.985107	False
ENSG000001010001	MTFR1L	0.00774458	0.98727	False
ENSG000001010001	MICU1	0.00769082	0.988033	False
ENSG000001010001	CIZ1	0.00762841	0.973278	False
ENSG000001010001	DCAKD	0.00752339	0.988719	False
ENSG000001010001	CRTC1	0.00746731	0.990636	False
ENSG000001010001	ZNF556	0.00738455	0.988719	False
ENSG000001010001	NME1-NME2	0.00713735	0.941307	False
ENSG000001010001	OSBPL6	0.0070518	0.988719	False
ENSG000001010001	KANSL2	0.00694835	0.982659	False
ENSG000001010001	NDUFS4	0.00686489	0.972952	False
ENSG000001010001	NSDHL	0.00685029	0.985344	False
ENSG000001010001	CDK5RAP2	0.00680187	0.976185	False
ENSG000001010001	SLC39A10	0.00678206	0.98769	False
ENSG000001010001	PARK7	0.00675861	0.95829	False
ENSG000001010001	ZNF652	0.00672895	0.986034	False
ENSG000001010001	AGO3	0.00671974	0.985559	False
ENSG000001010001	CTNND1	0.00666259	0.983201	False
ENSG000001010001	PTPN21	0.00662219	0.988719	False
ENSG000001010001	GPR156	0.00657641	0.992447	False
ENSG000001010001	WDR37	0.00650138	0.988719	False
ENSG000001010001	MTOR	0.00649903	0.984323	False
ENSG000001010001	INPP5K	0.00649729	0.988896	False
ENSG000001010001	MFSD6	0.00626739	0.986093	False
ENSG000001010001	SIGMAR1	0.00615076	0.976191	False
ENSG000001010001	MYNN	0.00606212	0.988719	False
ENSG000001010001	CCNC	0.00605955	0.966291	False
ENSG000001010001	ZC3H11A	0.00604126	0.978944	False
ENSG000001010001	FIP1L1	0.00601929	0.975593	False
ENSG000001010001	PSMD13	0.00591994	0.981071	False

ENSG000002: ZBED9	0.00588132	0.994211	False
ENSG000001: WDR33	0.0058306	0.986034	False
ENSG000001: SNRPC	0.00577616	0.960091	False
ENSG000001: FAM220A	0.00553668	0.987522	False
ENSG000002: SAGSIN1	0.00553668	0.987522	False
ENSG000001: FAM171A1	0.00544397	0.988719	False
ENSG000001: LAMA1	0.00543242	0.988406	False
ENSG000002: C4orf46	0.00541726	0.986093	False
ENSG000002: NBPFL4	0.0052542	0.985104	False
ENSG000001: TSC2	0.00512734	0.988719	False
ENSG000001: LTO1	0.0050404	0.988719	False
ENSG000001: NSMCE2	0.005011	0.988317	False
ENSG000001: EPCAM	0.00483388	0.988719	False
ENSG000001: PCNX4	0.00473156	0.986093	False
ENSG000000: UNG	0.00463967	0.981856	False
ENSG000000: CRAMP1	0.00463747	0.988719	False
ENSG000001: C5orf46	0.00458176	0.985344	False
ENSG000001: ZNF248	0.00435418	0.99296	False
ENSG000002: ZBED6	0.00429199	0.98547	False
ENSG000001: CGAS	0.00420711	0.990947	False
ENSG000001: IWS1	0.00414135	0.988719	False
ENSG000001: TACC2	0.00412952	0.990142	False
ENSG000001: KCTD20	0.00409447	0.988719	False
ENSG000001: TBCK	0.004009	0.99391	False
ENSG000001: ERG28	0.00392547	0.988719	False
ENSG000001: CREB1	0.00382062	0.988719	False
ENSG000001: CNIH1	0.0037327	0.985467	False
ENSG000001: SRRM1	0.00360882	0.984139	False
ENSG000001: STK3	0.00351955	0.991121	False
ENSG000001: ADAM10	0.00345183	0.988719	False
ENSG000001: TBC1D13	0.00345171	0.989189	False
ENSG000001: SDF2L1	0.00326411	0.988719	False
ENSG000001: TMEM167A	0.00320043	0.986093	False
ENSG000001: MND1	0.00319818	0.988719	False
ENSG000001: SNRPE	0.00318375	0.983128	False
ENSG000001: WASF2	0.00318104	0.98769	False
ENSG000001: CGN	0.00308919	0.99497	False
ENSG000001: PHTF1	0.00284992	0.992336	False
ENSG000001: GRHPR	0.00267966	0.988719	False
ENSG000002: EID1	0.00252355	0.986093	False
ENSG000001: PTPRM	0.00251419	0.990753	False
ENSG000002: C17orf49	0.00244572	0.9888	False
ENSG000001: PATL1	0.00242185	0.98879	False
ENSG000000: ELAVL1	0.00226367	0.988719	False
ENSG000001: SETD7	0.00223028	0.989164	False
ENSG000001: TRMT112	0.00221433	0.987413	False
ENSG000001: ARL5A	0.00217168	0.988719	False
ENSG000001: ITPKB	0.00215256	0.99722	False
ENSG000001: TLE5	0.00201337	0.988719	False
ENSG000001: TMEM43	0.00200742	0.993361	False
ENSG000001: CDK1	0.00199711	0.988719	False
ENSG000002: DNAJC9	0.00197971	0.988719	False

ENSG000001:ZNF567	0.00184622	0.996509	False
ENSG000002:NME2	0.00173443	0.988719	False
ENSG000001:TRIM23	0.00170956	0.99411	False
ENSG000001:ZC3H7B	0.00168537	0.992065	False
ENSG000000:RTRAF	0.00163549	0.988719	False
ENSG000001:BCAS2	0.00162058	0.991314	False
ENSG000001:PDHX	0.00160971	0.991927	False
ENSG000001:ALG2	0.00153156	0.993361	False
ENSG000001:TALDO1	0.00150707	0.991314	False
ENSG000001:ATG101	0.00146363	0.99391	False
ENSG000002:GCGR	0.00123716	0.998756	False
ENSG000001:SALL4	0.00115228	0.99391	False
ENSG000001:PFDN5	0.00100144	0.992065	False
ENSG000001:TTC39C	0.00082365	0.996232	False
ENSG000001:RAB14	0.0007805	0.994396	False
ENSG000001:HSF1	0.00077825	0.994979	False
ENSG000001:ZBTB1	0.00073583	0.99722	False
ENSG000001:CHAC2	0.00062186	0.99736	False
ENSG000001:MFN2	0.00061922	0.996205	False
ENSG000001:PPIL4	0.00059337	0.996824	False
ENSG000001:NREP	0.00054504	0.996539	False
ENSG000001:EIF1B	0.00052204	0.997067	False
ENSG000001:COX16	0.00040967	0.996979	False
ENSG000001:USP4	0.00035835	0.998683	False
ENSG000001:NAIF1	0.00025141	0.998993	False
ENSG000001:RER1	0.00024996	0.998382	False
ENSG000002:ZBTB48	0.00016304	0.999832	False
ENSG000001:TP11	-0.0003455	0.996722	False
ENSG000001:SMPD4	-0.0003623	0.997285	False
ENSG000002:ZYG11A	-0.0004148	0.998756	False
ENSG000000:SLC45A4	-0.0004544	0.998756	False
ENSG000000:NDUFS1	-0.0004842	0.995669	False
ENSG000001:NAA35	-0.0005468	0.995895	False
ENSG000000:INPP5A	-0.0007387	0.997067	False
ENSG000001:FBXL6	-0.0007727	0.997914	False
ENSG000001:FIGNL1	-0.0007998	0.995215	False
ENSG000001:DCAF16	-0.000867	0.995215	False
ENSG000001:ELF4	-0.0008686	0.996882	False
ENSG000001:CARS2	-0.0008852	0.995669	False
ENSG000001:TOP2A	-0.0010107	0.989698	False
ENSG000000:MOCOS	-0.0010267	0.992729	False
ENSG000001:THUMPD2	-0.001041	0.997408	False
ENSG000001:RPP14	-0.0011878	0.99391	False
ENSG000000:REXO2	-0.001248	0.993136	False
ENSG000001:MFS14B	-0.0012952	0.994396	False
ENSG000001:STAM2	-0.0013277	0.995608	False
ENSG000002:PSMB3	-0.001403	0.99411	False
ENSG000001:SEZ6L2	-0.00153	0.996205	False
ENSG000001:HMGN2	-0.0015473	0.988719	False
ENSG000001:ATM	-0.0015564	0.994482	False
ENSG000001:UFC1	-0.0015686	0.988719	False
ENSG000000:HDAC7	-0.0015763	0.988719	False

ENSG0000014 SLC30A5	-0.0016817	0.992607	False
ENSG0000018 COA5	-0.0017016	0.99391	False
ENSG0000019 WBP2	-0.0018355	0.993157	False
ENSG0000027 NUDT18	-0.0018514	0.998319	False
ENSG0000019 FHIP2B	-0.0020806	0.994707	False
ENSG0000010 AHR	-0.0022097	0.99391	False
ENSG0000004 DSG2	-0.0022312	0.988719	False
ENSG0000010 HSCB	-0.0023173	0.994482	False
ENSG0000019 NRM	-0.0023494	0.99391	False
ENSG0000017 PPP1R14B	-0.0023606	0.988719	False
ENSG0000014 ADAM12	-0.0024205	0.990753	False
ENSG0000024 ATP5MF	-0.0026939	0.988719	False
ENSG0000018 MRPS16	-0.0027311	0.987728	False
ENSG0000018 MORF4L1	-0.002839	0.982155	False
ENSG0000010 LMAN2	-0.0029108	0.986093	False
ENSG0000000 EXTL3	-0.0029928	0.991314	False
ENSG0000010 TTC23	-0.0030737	0.993778	False
ENSG0000017 RCL1	-0.0031051	0.988719	False
ENSG0000000 CCN5	-0.0031247	0.988719	False
ENSG0000009 RAB18	-0.0031365	0.986878	False
ENSG0000018 NF2	-0.0032697	0.98879	False
ENSG0000019 FBXO43	-0.0032958	0.992989	False
ENSG0000017 ICE2	-0.0033272	0.988719	False
ENSG0000014 SNRPG	-0.0033589	0.975382	False
ENSG0000010 CD276	-0.0033657	0.988719	False
ENSG0000010 PSMB5	-0.0033708	0.983224	False
ENSG0000019 SNX14	-0.0034582	0.988428	False
ENSG0000019 NECTIN2	-0.0034594	0.991314	False
ENSG0000010 UQCC1	-0.0034911	0.988719	True
ENSG0000027 HAUS7	-0.0036993	0.988719	False
ENSG0000019 TSPAN2	-0.0038314	0.994959	False
ENSG0000027 SNURF	-0.0038544	0.992989	False
ENSG0000018 GPR157	-0.0038905	0.993361	False
ENSG0000009 GINM1	-0.0039466	0.988719	False
ENSG0000018 MTF1	-0.003985	0.989164	False
ENSG0000017 AP5S1	-0.0040855	0.993136	False
ENSG0000019 TMEM267	-0.0041538	0.988719	False
ENSG0000017 CNTROB	-0.0042476	0.991641	False
ENSG0000019 NDUFA9	-0.0045637	0.983311	False
ENSG0000000 CHPF2	-0.0046056	0.988719	False
ENSG0000008 ITGAE	-0.0047359	0.98769	False
ENSG0000010 PIP5KL1	-0.0048318	0.996205	False
ENSG0000019 DIAPH1	-0.0048842	0.981093	False
ENSG0000019 SLC37A3	-0.0048883	0.988719	False
ENSG0000019 EIF2B1	-0.0048903	0.984581	False
ENSG0000024 ISY1	-0.0049254	0.985559	False
ENSG0000017 MICOS10	-0.004936	0.981524	False
ENSG0000019 FAM98A	-0.0049878	0.985344	False
ENSG0000000 SP100	-0.0050307	0.984431	False
ENSG0000000 ALS2	-0.0051132	0.988719	False
ENSG0000010 XPO6	-0.0051238	0.987969	False
ENSG0000017 AMD1	-0.0051637	0.972053	False



ENSG0000017	RIOX1	-0.0052651	0.985486	False
ENSG0000017	SOX4	-0.0053372	0.968694	False
ENSG0000000	PFKP	-0.0053627	0.981524	False
ENSG0000013	ANGPTL2	-0.005438	0.994836	False
ENSG0000009	SETD1A	-0.0055086	0.988719	False
ENSG0000011	TMEM214	-0.0058104	0.988719	False
ENSG0000013	SLC6A6	-0.0058257	0.988719	False
ENSG0000013	DOCK10	-0.0059194	0.992446	False
ENSG0000014	NDUFB9	-0.0059506	0.972142	False
ENSG0000013	LRRCC1	-0.0059688	0.988719	False
ENSG0000027	ZNF891	-0.0060961	0.992447	False
ENSG0000019	SDHAF4	-0.0060979	0.992729	False
ENSG0000008	TRIP6	-0.0061158	0.983633	True
ENSG0000017	CYREN	-0.0062389	0.988719	False
ENSG0000011	DDX6	-0.0063052	0.962383	False
ENSG0000010	GGA2	-0.0064156	0.985344	False
ENSG0000017	STIL	-0.006461	0.981856	False
ENSG0000010	FAM32A	-0.0067048	0.96149	False
ENSG0000027	NDUFS3	-0.0067139	0.962324	False
ENSG0000019	MPPE1	-0.0067414	0.986347	False
ENSG0000018	MRPL30	-0.0067951	0.971015	False
ENSG0000011	B4GALT2	-0.0068541	0.965495	False
ENSG0000007	USP33	-0.0070274	0.978874	False
ENSG0000020	EIF3CL	-0.0070992	0.956356	False
ENSG0000010	GOSR2	-0.0071158	0.981856	False
ENSG0000010	AMMECR1	-0.0071184	0.973125	False
ENSG0000013	PGBD1	-0.0071295	0.988719	False
ENSG0000018	DCAF4L1	-0.0071737	0.99316	False
ENSG0000019	SYNJ1	-0.0071935	0.988719	False
ENSG0000008	ACOX3	-0.0072957	0.985467	False
ENSG0000019	TRAPPC8	-0.007369	0.988719	False
ENSG0000017	HP1BP3	-0.007374	0.978104	False
ENSG0000014	TMEM219	-0.0075997	0.983311	False
ENSG0000008	BCKDHB	-0.0076611	0.988719	False
ENSG0000018	ZNF707	-0.0078023	0.988719	False
ENSG0000018	EIF3C	-0.007854	0.95124	False
ENSG0000024	RPL36A	-0.0078557	0.916143	False
ENSG0000014	GAS8	-0.0079622	0.988719	False
ENSG0000027	NOL7	-0.0079813	0.95152	False
ENSG0000010	VWA8	-0.0080223	0.988719	False
ENSG0000013	NUP54	-0.0080554	0.982615	False
ENSG0000018	BTN3A2	-0.0082114	0.985104	False
ENSG0000018	SPACA6	-0.0082612	0.988719	False
ENSG0000011	ARSB	-0.008373	0.987728	False
ENSG0000024	ARPC4	-0.0084578	0.95829	False
ENSG0000014	SKP2	-0.0084581	0.963976	False
ENSG0000007	CYBRD1	-0.0084925	0.988719	False
ENSG0000010	INPPL1	-0.008523	0.958125	False
ENSG0000014	COPS3	-0.0085615	0.958367	False
ENSG0000010	APEH	-0.0089842	0.976327	False
ENSG0000017	MAP7D3	-0.009027	0.955909	False
ENSG0000010	AZI2	-0.009044	0.968694	False

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ENSG000001: AMHR2	-0.0091462	0.997534	False
ENSG000001: HAC11	-0.0091849	0.98727	False
ENSG000001: DYNC2H1	-0.0094275	0.984431	False
ENSG000001: MIGA1	-0.0095583	0.981584	False
ENSG000001: CATSPER3	-0.0095775	0.993361	False
ENSG000001: MYO1B	-0.0096549	0.96262	False
ENSG000002: DBNDD2	-0.0097393	0.980527	False
ENSG000001: IDH3B	-0.0098197	0.974854	False
ENSG000001: BCL2L11	-0.009836	0.982289	False
ENSG000001: GEN1	-0.0099468	0.98727	False
ENSG000001: RAB30	-0.0100467	0.982593	False
ENSG000001: MYL12A	-0.0100794	0.946262	False
ENSG000002: SYS1-DBNDD2	-0.0101086	0.979167	False
ENSG000001: BMS1	-0.0101317	0.939965	False
ENSG000001: DMAP1	-0.0101496	0.988094	False
ENSG000000: GLI2	-0.0101794	0.982474	False
ENSG000001: ISCA2	-0.0102128	0.982289	False
ENSG000001: MLEC	-0.0102198	0.956748	False
ENSG000000: LRRFIP2	-0.0103184	0.97416	False
ENSG000002: TMEM185A	-0.0103755	0.986093	False
ENSG000001: HMGN3	-0.0104282	0.913884	False
ENSG000000: ZRANB1	-0.0104564	0.985467	False
ENSG000000: MSMO1	-0.0106147	0.956431	False
ENSG000001: ATG4B	-0.0107101	0.978874	False
ENSG000001: TUBB	-0.0107544	0.89993	False
ENSG000001: IQCK	-0.0107799	0.988719	False
ENSG000001: KRR1	-0.0108232	0.931499	False
ENSG000001: SLC27A6	-0.0108645	0.988719	False
ENSG000001: PNP	-0.0109688	0.955851	False
ENSG000002: RPL36A-HNRN	-0.0110026	0.897059	False
ENSG000001: CRACD	-0.0110352	0.984431	False
ENSG000001: PAN2	-0.0110461	0.988719	False
ENSG000001: MED25	-0.0111409	0.987102	False
ENSG000000: AP2S1	-0.0111413	0.951936	False
ENSG000001: ADD3	-0.0112509	0.96627	False
ENSG000001: UPF2	-0.011275	0.956356	False
ENSG000001: UBXN4	-0.0112995	0.948805	False
ENSG000001: NUDT21	-0.0113172	0.935887	False
ENSG000001: QSOX2	-0.0113876	0.970599	False
ENSG000001: POLR3F	-0.0115292	0.986093	False
ENSG000001: GDF11	-0.0116883	0.965152	False
ENSG000001: RBFOX2	-0.0116987	0.950822	False
ENSG000001: DPH7	-0.0117336	0.972149	False
ENSG000001: BCL6	-0.011767	0.988719	True
ENSG000001: MEMO1	-0.0117868	0.968843	False
ENSG000001: PIMREG	-0.0119446	0.967416	False
ENSG000001: ARL3	-0.0121253	0.961382	False
ENSG000001: ZNF575	-0.0122608	0.989164	False
ENSG000001: AGTPBP1	-0.0122997	0.972952	False
ENSG000001: ASPSCR1	-0.0124654	0.988719	False
ENSG000001: MUS81	-0.0125227	0.97017	False

ENSG0000007: TM9SF3	-0.0126155	0.914573	False
ENSG0000018: TSHZ2	-0.0126233	0.982289	False
ENSG0000010: AADAT	-0.0126312	0.982659	False
ENSG0000010: CEP57	-0.0126896	0.941026	False
ENSG0000017: SMU1	-0.0128536	0.95788	False
ENSG0000010: GINS1	-0.0128699	0.964009	False
ENSG0000010: BMERB1	-0.0128978	0.981524	False
ENSG0000009: SRPK1	-0.0129149	0.93357	False
ENSG0000017: ZNF142	-0.0130478	0.968694	False
ENSG0000018: UBE2F	-0.0130492	0.97017	False
ENSG0000017: NAA50	-0.0131408	0.922965	False
ENSG0000013: LRR1Q1	-0.0132345	0.988719	False
ENSG0000010: CSK	-0.0132936	0.985107	False
ENSG0000010: YWHAZ	-0.0134594	0.864129	False
ENSG0000017: ZNF664	-0.0134594	0.934211	False
ENSG0000010: KXD1	-0.0135339	0.951936	False
ENSG0000010: AKNA	-0.0136612	0.988719	False
ENSG0000010: TCF20	-0.0137363	0.964009	False
ENSG0000018: IQGAP3	-0.0138121	0.965389	False
ENSG0000013: BCAR3	-0.0138627	0.973102	False
ENSG0000028: RPSAP58	-0.0138929	0.876884	False
ENSG0000010: LHPP	-0.0139753	0.988719	False
ENSG0000013: MAP7	-0.0139972	0.913884	False
ENSG0000010: SNRNP70	-0.0140585	0.931499	False
ENSG0000019: MIS18A	-0.0141183	0.961642	False
ENSG0000014: ETFA	-0.0141238	0.912627	False
ENSG0000018: WDR53	-0.0141272	0.982289	False
ENSG0000018: ZNF177	-0.0142361	0.988719	False
ENSG0000027: ZNF559-ZNF1	-0.0142361	0.988719	False
ENSG0000018: BACE2	-0.0142626	0.919216	False
ENSG0000019: PDK1	-0.0144418	0.97729	False
ENSG0000013: IPO8	-0.0144567	0.946028	False
ENSG0000018: PURA	-0.0145572	0.908848	False
ENSG0000014: TMEM181	-0.0145593	0.935887	False
ENSG0000017: PHF3	-0.0148882	0.928922	False
ENSG0000003: PEX3	-0.0150603	0.961024	False
ENSG0000018: FANCM	-0.0151642	0.97396	False
ENSG0000017: ERGIC1	-0.0153152	0.905001	False
ENSG0000000: ROCK1	-0.0153659	0.916293	False
ENSG0000013: EPHA7	-0.015371	0.986568	False
ENSG0000019: BEND6	-0.0154006	0.981524	False
ENSG0000018: ZNF746	-0.0155153	0.972454	False
ENSG0000019: SLC22A5	-0.0156459	0.952168	False
ENSG0000017: PITPNM1	-0.015665	0.988719	False
ENSG0000007: EVC	-0.0157164	0.988719	False
ENSG0000018: ZNF286A	-0.015787	0.960395	False
ENSG0000009: TRPM7	-0.0161687	0.926375	False
ENSG0000017: EXOC8	-0.0162011	0.949763	False
ENSG0000010: USP10	-0.0162502	0.920011	False
ENSG0000010: IGFBP6	-0.016301	0.986093	False
ENSG0000019: THEM4	-0.0163166	0.944789	False
ENSG0000020: SYT15	-0.0163962	0.985344	False

ENSG0000014 SH3GL1	-0.0164775	0.927144	False
ENSG0000009 HEBP2	-0.0165188	0.965655	False
ENSG0000000 PLD1	-0.0165229	0.987522	False
ENSG0000018 DAZAP2	-0.016544	0.875446	False
ENSG0000019 OGA	-0.0165713	0.911512	False
ENSG0000024 RBM12	-0.016597	0.910267	False
ENSG0000013 KHDC4	-0.0165984	0.929972	False
ENSG0000000 IFNGR1	-0.0167062	0.975526	False
ENSG0000010 ENY2	-0.0167114	0.914632	False
ENSG0000010 ARHGEF7	-0.0167684	0.960273	False
ENSG0000010 PPCS	-0.0168339	0.936839	False
ENSG0000010 NCAPG	-0.0168413	0.903795	False
ENSG0000013 TUBGCP4	-0.0168849	0.943342	False
ENSG0000014 ZNG1E	-0.0169094	0.883676	False
ENSG0000013 KYAT3	-0.0169232	0.959258	False
ENSG0000010 VPS29	-0.0169566	0.910476	False
ENSG0000009 THOC3	-0.0170004	0.929656	False
ENSG0000020 ZNG1F	-0.0170616	0.897059	False
ENSG0000019 TIMM8B	-0.0170889	0.919837	False
ENSG0000018 TM2D3	-0.0171037	0.923318	False
ENSG0000000 CTDP1	-0.0171433	0.97396	False
ENSG0000010 ODF2L	-0.0172143	0.970237	False
ENSG0000014 RFX5	-0.0172351	0.95285	False
ENSG0000014 ARMT1	-0.0172982	0.96262	False
ENSG0000010 FAM162A	-0.0173902	0.897059	True
ENSG0000010 GKAP1	-0.0176131	0.961225	False
ENSG0000010 ZBTB17	-0.0176548	0.982289	False
ENSG0000010 KMT5B	-0.0177103	0.922309	False
ENSG0000008 DOCK9	-0.0177607	0.965521	False
ENSG0000013 SLC49A4	-0.0178324	0.96015	False
ENSG0000010 TTC7B	-0.0178334	0.966314	False
ENSG0000010 USP47	-0.0179563	0.920164	False
ENSG0000013 TMED7	-0.0179894	0.921247	False
ENSG0000010 SLC7A5	-0.0180206	0.882392	False
ENSG0000010 MRPL55	-0.0180242	0.948971	False
ENSG0000013 SMAD6	-0.0180882	0.960807	False
ENSG0000018 BRWD1	-0.0181237	0.950051	False
ENSG0000013 ZDHHC4	-0.0182817	0.956748	False
ENSG0000018 NXPH4	-0.018298	0.982659	False
ENSG0000000 ELOVL5	-0.0183273	0.894198	False
ENSG0000010 LRRFIP1	-0.0184819	0.897059	False
ENSG0000014 RAB13	-0.0184884	0.897059	False
ENSG0000013 NPFF	-0.0185782	0.989414	False
ENSG0000028 NOTCH2NLC	-0.0186254	0.934211	False
ENSG0000010 SNX33	-0.0186378	0.984588	False
ENSG0000010 GPN3	-0.0186419	0.942254	False
ENSG0000014 MIGA2	-0.0188657	0.987679	False
ENSG0000008 PGS1	-0.0190208	0.961339	False
ENSG0000010 SLC25A19	-0.0191048	0.968035	False
ENSG0000014 SNX27	-0.01911	0.939125	False
ENSG0000010 RBM18	-0.0192771	0.932078	False
ENSG0000020 TUBGCP5	-0.019429	0.956686	False

ENSG00000008	CHMP2B	-0.0194432	0.908473	False
ENSG00000013	ZNG1B	-0.0194548	0.883676	False
ENSG00000014	CETN2	-0.0194666	0.955092	False
ENSG00000017	DPM3	-0.019471	0.949763	False
ENSG00000019	ODR4	-0.0196419	0.945705	False
ENSG00000017	MRPL13	-0.01966	0.907481	False
ENSG00000029	MPV17L2	-0.0197075	0.949763	False
ENSG00000018	LDOC1	-0.0197312	0.948208	False
ENSG00000018	ZNF708	-0.019737	0.980281	False
ENSG00000014	TRPM2	-0.0197489	0.988719	False
ENSG00000013	TERF2	-0.0197833	0.927372	False
ENSG00000010	RPGRIP1L	-0.0198106	0.964166	False
ENSG00000011	LPCAT3	-0.0199248	0.945673	False
ENSG00000016	CTNNB1	-0.0199659	0.8686	False
ENSG00000019	PANK4	-0.0200462	0.981777	False
ENSG00000019	SREK1	-0.0200511	0.895635	False
ENSG00000018	ZBTB40	-0.0200706	0.955749	False
ENSG00000027	RPL41	-0.020117	0.77341	False
ENSG00000019	TXNDC11	-0.0201532	0.955443	False
ENSG00000018	CREB3L2	-0.0202704	0.902097	False
ENSG00000006	KCNAB2	-0.0202709	0.969381	False
ENSG00000014	TP53BP2	-0.020275	0.935887	False
ENSG00000018	GET1	-0.0203317	0.955909	False
ENSG00000007	AGPAT4	-0.0204273	0.968694	False
ENSG00000019	HS2ST1	-0.020546	0.923637	False
ENSG00000013	RBMX2	-0.020665	0.90309	False
ENSG00000007	AQR	-0.0206961	0.904433	False
ENSG00000014	SURF1	-0.0207339	0.963488	False
ENSG00000018	ZNF33A	-0.0209066	0.945705	False
ENSG00000017	PDCD6IP	-0.0209266	0.897059	False
ENSG00000011	AKR1A1	-0.0211002	0.92223	False
ENSG00000016	SAAL1	-0.0211016	0.907485	False
ENSG00000028	POLR2J3	-0.0211118	0.930582	False
ENSG00000000	LAMP2	-0.0211987	0.876884	False
ENSG00000019	C16orf87	-0.0212259	0.939377	False
ENSG00000016	CLIC4	-0.0213281	0.905383	False
ENSG00000019	ECI2	-0.0213616	0.919605	False
ENSG00000016	PEX19	-0.0213866	0.923318	False
ENSG00000016	VPS37C	-0.0213939	0.939615	False
ENSG00000018	PLSCR1	-0.0215973	0.941534	False
ENSG00000018	ARL6IP4	-0.0215995	0.931499	False
ENSG00000019	KPNA5	-0.0217316	0.960216	False
ENSG00000010	TUSC3	-0.0217895	0.840238	False
ENSG00000019	ADPGK	-0.0218011	0.952667	False
ENSG00000016	PPP1R35	-0.0218845	0.950268	False
ENSG00000000	HIVEP2	-0.0219469	0.942688	False
ENSG00000011	FAM172A	-0.0220205	0.936839	False
ENSG00000014	TAOK2	-0.0220786	0.976185	False
ENSG00000010	JADE3	-0.0220862	0.949763	False
ENSG00000011	RPF1	-0.0221026	0.897059	False
ENSG00000016	CDT1	-0.022146	0.945892	False
ENSG00000011	DHCR24	-0.0221836	0.870044	False

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ENSG000001: DAGLA	-0.0223693	0.981093	False
ENSG000001: ANKRD49	-0.0224627	0.921257	False
ENSG000001: WDR31	-0.0225529	0.988719	False
ENSG000001: ZNF764	-0.0225929	0.971815	False
ENSG000000: JARID2	-0.0227201	0.902733	False
ENSG000001: SPCS2	-0.0227736	0.836693	False
ENSG000001: SRSF11	-0.0228744	0.849959	False
ENSG000001: DCTD	-0.0229269	0.95152	False
ENSG000000: TUBE1	-0.0230097	0.951423	False
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ENSG000001: LRFN3	-0.023064	0.981856	False
ENSG000001: INTS4	-0.0231722	0.949763	False
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ENSG000001: PPHLN1	-0.0232358	0.8686	False
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ENSG000000: ME2	-0.0236373	0.938826	False
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ENSG000001: HDAC1	-0.0236783	0.878975	False
ENSG000001: KDM2A	-0.0237514	0.910879	False
ENSG000002: GPANK1	-0.0237955	0.936309	False
ENSG000001: SAP30L	-0.0237967	0.915818	False
ENSG000001: BLOC1S4	-0.0238342	0.932088	False
ENSG000001: HINT3	-0.0239199	0.915909	False
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ENSG000002: SYNJ2BP-COX:	-0.024146	0.892698	False
ENSG000001: RARS2	-0.0241482	0.915909	False
ENSG000001: KIF5B	-0.0244817	0.76637	False
ENSG000001: PJA2	-0.0244916	0.849714	False
ENSG000001: DDRGK1	-0.0245413	0.927144	False
ENSG000001: SPCS1	-0.0245907	0.889008	False
ENSG000001: SNX17	-0.0246275	0.944778	False
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ENSG000001: CNOT6	-0.0248203	0.847172	True
ENSG000001: KYNU	-0.0248239	0.897059	False
ENSG000001: HOXB5	-0.0249581	0.968694	False
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ENSG000001: RWDD1	-0.0250937	0.855803	False
ENSG000000: RANBP3	-0.0254704	0.916545	False
ENSG000001: ATMIN	-0.0254952	0.909543	False
ENSG000001: HARS2	-0.0255621	0.906078	False
ENSG000002: TBCE	-0.0255769	0.900246	False
ENSG000001: NAA30	-0.0256273	0.90309	False
ENSG000002: NOTCH2NLB	-0.0257192	0.932088	False
ENSG000000: ADGRA2	-0.0258304	0.972149	False
ENSG000001: GTF2F2	-0.0258803	0.885174	False
ENSG000001: RAB2B	-0.0259426	0.938198	False
ENSG000001: PPP1R9B	-0.0259839	0.897059	False
ENSG000001: VPS51	-0.0259987	0.920011	False
ENSG000001: CSNK1D	-0.0261159	0.902499	False

ENSG0000019	BAG4	-0.0262453	0.897213	False
ENSG0000019	HSPA13	-0.0262702	0.897059	False
ENSG0000016	MAPRE2	-0.0263664	0.937113	False
ENSG0000016	CYP2S1	-0.0264503	0.984668	False
ENSG0000007	PTPN23	-0.0264871	0.927882	False
ENSG0000019	RAD54B	-0.0265576	0.944244	False
ENSG0000017	DAD1	-0.0265756	0.897059	False
ENSG0000010	PRX	-0.0267315	0.988719	False
ENSG0000010	PSMD10	-0.0267813	0.913999	False
ENSG0000013	SETDB2	-0.0268519	0.958367	False
ENSG0000019	RPL10A	-0.0270422	0.705518	False
ENSG0000008	LYRM2	-0.027118	0.870393	False
ENSG0000028	TPTEP2-CSNK:	-0.0271446	0.894788	False
ENSG0000011	PLEKHA3	-0.0272548	0.9184	False
ENSG0000017	ARMH3	-0.0273488	0.946452	False
ENSG0000016	GATD3	-0.0273784	0.930821	False
ENSG0000026	NOTCH2NLA	-0.0274235	0.897213	False
ENSG0000013	IGF2BP3	-0.027426	0.905001	False
ENSG0000013	CUL4A	-0.0274902	0.760865	False
ENSG0000000	SEC62	-0.0274988	0.83215	False
ENSG0000008	ATRX	-0.0275021	0.812985	False
ENSG0000010	LUC7L3	-0.0275169	0.785356	False
ENSG0000027	PPP2R2A	-0.0275235	0.812985	False
ENSG0000006	PPP2R5A	-0.0276111	0.893896	False
ENSG0000018	HMCES	-0.0276306	0.898104	False
ENSG0000011	SCAP	-0.0277471	0.908672	False
ENSG0000014	TIMM29	-0.0277547	0.950051	False
ENSG0000027	NBPF10	-0.0278232	0.895908	False
ENSG0000017	ATP2A2	-0.0279657	0.804347	False
ENSG0000016	KCTD5	-0.0280593	0.910879	False
ENSG0000014	HIRIP3	-0.0281645	0.951936	False
ENSG0000014	EPHA5	-0.0283044	0.953812	False
ENSG0000016	ELP6	-0.0283932	0.91654	False
ENSG0000027	NBPF19	-0.0284236	0.886466	False
ENSG0000017	KHDRBS1	-0.0285654	0.784256	False
ENSG0000016	ZSCAN21	-0.0286119	0.960273	False
ENSG0000017	SLC35G1	-0.0286472	0.937011	False
ENSG0000013	UBAP2	-0.0286696	0.886215	False
ENSG0000016	CYBB	-0.028712	0.982155	False
ENSG0000014	SSRP1	-0.0287931	0.771434	False
ENSG0000024	ATP5PO	-0.0288632	0.771778	False
ENSG0000027	PGAM4	-0.0288944	0.861906	False
ENSG0000016	MTMR10	-0.0289059	0.954975	False
ENSG0000010	GSK3A	-0.028914	0.928252	False
ENSG0000008	TXLNG	-0.0289754	0.897059	False
ENSG0000013	PDHA1	-0.0290158	0.76576	False
ENSG0000026	IKBKG	-0.0290269	0.931939	False
ENSG0000007	ENO1	-0.0290722	0.765906	False
ENSG0000027	NAXD	-0.0292087	0.937123	False
ENSG0000010	RASIP1	-0.0292222	0.805218	False
ENSG0000008	MAGI3	-0.0292904	0.945838	False
ENSG0000013	ZNF428	-0.0294471	0.789871	False





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ENSG000001: XIAP	-0.0331881	0.853897	False
ENSG000001: CYP2U1	-0.0332421	0.95571	False
ENSG000000: SEL1L	-0.0332886	0.859005	False
ENSG000001: GTF2H1	-0.0333536	0.904261	False
ENSG000001: PGAP4	-0.0334274	0.863438	False
ENSG000001: CPSF2	-0.0335027	0.809585	False
ENSG000000: PSEN1	-0.0335257	0.914632	False
ENSG000001: PAICS	-0.0336161	0.725273	False
ENSG000002: FBXW10B	-0.0336413	0.987728	False
ENSG000001: RPS3	-0.0337283	0.622132	False
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ENSG000000: SLC25A39	-0.033833	0.874909	False
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ENSG000001: PRUNE1	-0.0339995	0.865443	False
ENSG000001: CFAP20DC	-0.0340552	0.982659	False
ENSG000002: NEURL4	-0.0341294	0.937165	False
ENSG000001: EHMT1	-0.0341386	0.91987	False
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ENSG000001: RASA3	-0.0343683	0.905161	False
ENSG000001: CCR6	-0.0344848	0.98769	False
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ENSG000001: FKTN	-0.0347207	0.916607	False
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ENSG000001: TRAF2	-0.0348362	0.932088	False
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ENSG000002: NBPF12	-0.0352106	0.851936	False
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ENSG000001: ZCRB1	-0.0355228	0.736088	False
ENSG000001: FOXM1	-0.035575	0.859732	False
ENSG000002: NBPF9	-0.035578	0.834529	False
ENSG000001: OGG1	-0.0356021	0.897059	False
ENSG000001: COLEC11	-0.0356095	0.982593	False
ENSG000000: TGFB3	-0.0356309	0.949603	False
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ENSG000001: RASA1	-0.0358864	0.929972	False
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ENSG000001: OTUB1	-0.0363127	0.897059	False
ENSG000002: C8orf88	-0.0363195	0.866265	False
ENSG000001: ATP13A2	-0.0363549	0.967143	False
ENSG000000: PSMC5	-0.0363849	0.767387	False
ENSG000001: DNMT1	-0.0365085	0.72197	False
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ENSG00000014	KCNH1	-0.0366271	0.898183	False
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ENSG00000014	TOR1AIP1	-0.0366898	0.85445	False
ENSG00000010	SGIP1	-0.0367586	0.951936	False
ENSG00000010	TPP2	-0.0367801	0.845494	False
ENSG00000019	CUL4B	-0.0368326	0.805431	False
ENSG00000029	DPP3	-0.0368401	0.901594	False
ENSG00000018	PMCH	-0.0368785	0.982289	False
ENSG00000014	IMMP1L	-0.0368998	0.847359	False
ENSG00000010	ELF2	-0.037036	0.911058	False
ENSG00000010	BCCIP	-0.037045	0.850962	False
ENSG00000010	R3HCC1	-0.0370537	0.921049	False
ENSG00000010	SLC3A2	-0.0371132	0.765374	True
ENSG00000019	ANO4	-0.0371164	0.960749	False
ENSG00000019	VBP1	-0.0371529	0.771304	False
ENSG00000007	MARK2	-0.0371598	0.897059	False
ENSG00000010	GTF2H3	-0.0371918	0.856627	False
ENSG00000010	ARMC1	-0.037231	0.798926	False
ENSG00000014	INPP5E	-0.0373117	0.934645	False
ENSG00000010	LETM1	-0.0374091	0.839632	False
ENSG00000010	FAM20B	-0.0374776	0.876884	False
ENSG00000029	ARPIN-AP3S2	-0.0375301	0.937056	False
ENSG00000010	ATP6V1F	-0.0375601	0.848242	False
ENSG00000000	RNASSET2	-0.0375644	0.902256	False
ENSG00000010	RPRD2	-0.03766	0.856627	False
ENSG00000010	GLB1L	-0.0377286	0.981071	False
ENSG00000010	TBC1D5	-0.0377474	0.898214	False
ENSG00000010	GIPC3	-0.0377614	0.905607	False
ENSG00000010	ZDHHC21	-0.0378044	0.910476	False
ENSG00000010	RITA1	-0.0378166	0.892997	False
ENSG00000008	ZNF264	-0.0379448	0.897059	False
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ENSG00000000	PABPC1	-0.0383023	0.657377	False
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ENSG00000010	NUP214	-0.0385448	0.856627	False
ENSG00000010	NKIRAS2	-0.0385682	0.897059	False
ENSG00000018	DNAH14	-0.0385976	0.911058	False
ENSG00000000	DGCR2	-0.0386593	0.874745	False
ENSG00000010	CHPT1	-0.0387614	0.91736	False
ENSG00000010	RHOBTB3	-0.0387761	0.692293	False
ENSG00000010	WDR48	-0.0387824	0.911058	False
ENSG00000029	PINX1	-0.0388148	0.910879	False
ENSG00000000	NIPAL3	-0.0389286	0.899131	False
ENSG00000010	B3GALNT2	-0.0389529	0.838551	False
ENSG00000010	F2RL3	-0.0392952	0.930582	False
ENSG00000018	SIAH2	-0.0393981	0.87271	False
ENSG00000028	TBCE	-0.0394082	0.845494	False
ENSG00000010	ZNF304	-0.0395363	0.903263	False
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ENSG0000019 TBRG1	-0.0396563	0.88447	False
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ENSG0000017 GGA3	-0.0398368	0.923396	False
ENSG0000016 REL	-0.0398816	0.868395	False
ENSG0000014 TIPRL	-0.0399249	0.777827	False
ENSG0000016 GBP2	-0.039951	0.955909	False
ENSG0000016 SCNM1	-0.0400036	0.885937	False
ENSG0000008 STARD7	-0.0400778	0.682554	False
ENSG0000017 ZNF684	-0.0401371	0.968694	False
ENSG0000017 SARAF	-0.0403516	0.68484	False
ENSG0000017 ARPC1B	-0.0404065	0.770904	False
ENSG0000017 RRP8	-0.0405535	0.883214	True
ENSG0000027 SUPT4H1	-0.0405711	0.736434	False
ENSG0000016 LETM2	-0.0405923	0.981856	False
ENSG0000016 NPRL3	-0.0407012	0.928252	False
ENSG0000016 MAPK3	-0.0407058	0.914721	False
ENSG0000016 COTL1	-0.0407396	0.729016	False
ENSG0000000 C1orf112	-0.0407762	0.876556	False
ENSG0000019 ATP5PF	-0.0408173	0.68669	False
ENSG0000016 MFSD2A	-0.0409917	0.941534	False
ENSG0000016 AIMP1	-0.0411725	0.813817	False
ENSG0000016 SPRED1	-0.0411982	0.872089	False
ENSG0000017 CAPZA1	-0.0412085	0.69538	False
ENSG0000016 CDC25A	-0.0412655	0.828237	False
ENSG0000014 RPL13A	-0.0412752	0.545621	False
ENSG0000008 TESC	-0.0413105	0.87351	False
ENSG0000016 AKAP10	-0.041333	0.918087	False
ENSG0000017 KAT7	-0.0414037	0.875406	False
ENSG0000014 BRD4	-0.0414279	0.741571	False
ENSG0000017 ACTR1B	-0.0414595	0.866265	False
ENSG0000019 OBSCN	-0.0414869	0.95571	False
ENSG0000014 SRP9	-0.0415283	0.724189	False
ENSG0000017 UMPS	-0.0415335	0.770507	False
ENSG0000017 DOCK6	-0.0418515	0.951936	False
ENSG0000017 SMUG1	-0.0418893	0.9003	False
ENSG0000017 ATG4D	-0.042021	0.951843	False
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ENSG0000017 USF3	-0.0421786	0.897059	False
ENSG0000017 SH3BP5L	-0.0422086	0.865601	False
ENSG0000017 FPGS	-0.0422244	0.89368	False
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ENSG0000017 MAPKAP1	-0.0423674	0.830604	False
ENSG0000019 NDUFAF6	-0.0424814	0.907684	False
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ENSG0000019 SPEF2	-0.0426044	0.897059	False
ENSG0000017 MRPS26	-0.0426347	0.827514	False
ENSG0000017 ADTRP	-0.0429084	0.986016	False
ENSG0000017 NRXN2	-0.0429084	0.986016	False
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ENSG0000027 TSNAX-DISC1	-0.0433492	0.981524	False

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ENSG000001: CAMKK2	-0.0435091	0.897059	False
ENSG000001: PELP1	-0.043517	0.846236	False
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ENSG000001: WDR44	-0.0435361	0.912627	False
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ENSG000001: PROSER2	-0.043845	0.897059	False
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ENSG000001: MSL2	-0.0441443	0.845949	False
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ENSG000001: ZNF3	-0.0443532	0.928663	False
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ENSG000001: MSANTD2	-0.0448026	0.95571	False
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ENSG000001: LEPROTL1	-0.0450235	0.761189	False
ENSG000001: ARHGEF19	-0.0450862	0.895001	False
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ENSG000001: ZBTB21	-0.0453111	0.897059	False
ENSG000002: ATP5MF-PTCD	-0.0453252	0.928922	False
ENSG000001: ADO	-0.0453554	0.852234	False
ENSG000001: RABGAP1L	-0.0453982	0.920164	False
ENSG000001: PRPF8	-0.0454532	0.718347	False
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ENSG0000017 RPL22	-0.0462295	0.49128	False
ENSG0000014 TXNL4A	-0.0462629	0.718768	False
ENSG0000023 YY2	-0.0463049	0.866265	False
ENSG0000016 TSC1	-0.0463992	0.870284	False
ENSG0000009 POLR2E	-0.046439	0.606051	False
ENSG0000020 TRIQK	-0.0465227	0.911557	False
ENSG0000009 HECTD1	-0.0465688	0.784256	False
ENSG0000010 PTRS	-0.0465832	0.867261	False
ENSG0000022 C17orf67	-0.0465935	0.962383	False
ENSG0000017 BCL2L12	-0.0466341	0.794972	False
ENSG0000010 PRKD2	-0.0466577	0.951805	True
ENSG0000013 PPIL1	-0.046681	0.809181	False
ENSG0000016 CCDC51	-0.0466998	0.875357	False
ENSG0000017 CRY2	-0.0467007	0.922182	False
ENSG0000009 AARS1	-0.0468113	0.725165	False
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ENSG0000010 DMXL2	-0.0470088	0.896331	False
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ENSG0000017 PCCA	-0.0471924	0.933347	False
ENSG0000010 PIEZO1	-0.0472103	0.885416	False
ENSG0000016 MRPL16	-0.0472165	0.760804	False
ENSG0000014 TMEM50B	-0.047221	0.915925	False
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ENSG0000017 YLPM1	-0.0472512	0.718768	False
ENSG0000010 SEC23A	-0.0474187	0.714729	False
ENSG0000013 LDHA	-0.0474325	0.45856	False
ENSG0000017 PWWP2B	-0.0475003	0.928922	False
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ENSG0000016 NDUFV1	-0.0477379	0.849714	False
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ENSG0000019 ZNF695	-0.0479493	0.91736	False
ENSG0000014 WTAP	-0.0479627	0.652258	False
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ENSG0000018 RPS23	-0.0480743	0.39632	False
ENSG0000016 CGGBP1	-0.048169	0.827232	False
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ENSG0000006 ARFGEF1	-0.0483523	0.873835	False
ENSG0000013 STXBP1	-0.0484588	0.885416	False
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ENSG0000010 CEP128	-0.048937	0.897059	False

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ENSG0000017	LYSMD3	-0.0491816	0.897059	False
ENSG0000014	PSPH	-0.0491927	0.851936	False
ENSG0000029	ST20-MTHFS	-0.0492522	0.877386	False
ENSG0000000	ALAS1	-0.0492929	0.897059	False
ENSG0000018	ZDHHC9	-0.0493438	0.789375	False
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ENSG0000017	KIAA1191	-0.0494802	0.73762	False
ENSG0000019	HHEX	-0.049489	0.87902	False
ENSG0000021	RNASEK	-0.0495626	0.750761	False
ENSG0000018	RPS17	-0.0495866	0.407831	False
ENSG0000018	TRNAU1AP	-0.0497207	0.879159	False
ENSG0000013	EIF4E2	-0.0497978	0.787343	False
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ENSG0000014	HAX1	-0.0498215	0.703754	False
ENSG0000019	ANXA6	-0.0498302	0.795413	False
ENSG0000016	AP1G1	-0.0498583	0.754923	False
ENSG0000019	KAT6B	-0.049949	0.920011	False
ENSG0000010	USP14	-0.0499632	0.664052	False
ENSG0000017	EXOSC1	-0.050252	0.845494	False
ENSG0000013	UBE2B	-0.0503214	0.668212	False
ENSG0000004	CC2D2A	-0.0505349	0.870381	False
ENSG0000020	MRPL38	-0.050583	0.874225	False
ENSG0000010	GFUS	-0.0505856	0.886447	False
ENSG0000017	FAM241A	-0.0506014	0.865295	False
ENSG0000019	MAFG	-0.0506237	0.755738	False
ENSG0000014	VAV1	-0.050624	0.983128	False
ENSG0000016	PMF1	-0.0507609	0.862193	False
ENSG0000013	DENND4C	-0.0507879	0.882991	False
ENSG0000016	CENPX	-0.0508561	0.815684	False
ENSG0000009	TBC1D22A	-0.050985	0.910879	False
ENSG0000013	NUMB	-0.0510376	0.865443	False
ENSG0000019	CACUL1	-0.0510548	0.665632	False
ENSG0000010	FAM118A	-0.0510698	0.947824	False
ENSG0000019	DYRK1A	-0.0510734	0.842773	False
ENSG0000014	GABPB2	-0.0511094	0.862193	False
ENSG0000013	PRDX6	-0.0512367	0.495631	False
ENSG0000017	VAMP7	-0.0512555	0.848242	False
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ENSG0000008	DDX24	-0.0519828	0.670275	False
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ENSG0000010 EEF1D	-0.0563075	0.440375	False
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ENSG0000012 UBR4	-0.0569516	0.760607	False
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ENSG0000013 SPR	-0.0572584	0.816415	False
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ENSG0000019 WDHD1	-0.0582716	0.799725	False
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ENSG00000101125	RCC2	-0.0735357	0.340029	False
ENSG00000101126	TMEM42	-0.0735552	0.83907	False
ENSG00000101127	HDDC2	-0.0736094	0.682268	False
ENSG00000101128	RTF1	-0.0736326	0.476087	False
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ENSG00000101130	MED28	-0.0737105	0.540197	False
ENSG00000101131	FAM91A1	-0.0737161	0.747874	False
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ENSG00000101134	CDC37	-0.073757	0.369496	False
ENSG00000001135	ZNF112	-0.0738082	0.902097	False
ENSG00000101136	ALKBH8	-0.0738182	0.887844	False
ENSG00000101137	RAP1A	-0.0738435	0.642166	False
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ENSG00000201151	GATC	-0.0748228	0.788984	False
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ENSG0000014 CALM2	-0.0764169	0.406801	False
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ENSG0000018 COL25A1	-0.0765893	0.7043	False
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ENSG0000010CDADC1	-0.0823548	0.841179	False
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ENSG00000101550	MLKL	-0.104205	0.821795	False
ENSG00000001551	LRRC40	-0.104214	0.476603	False
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ENSG00000101554	ANKRD12	-0.104808	0.434308	False
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ENSG00000101560	VIRMA	-0.105048	0.538383	False
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ENSG00000101562	VPS26A	-0.105159	0.462679	False
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ENSG00000101564	ESYT2	-0.10521	0.484439	False
ENSG00000101565	CIAO3	-0.105257	0.932078	False
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ENSG00000101376	SNW1	-0.110228	0.26988	False
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ENSG00000101386	RIMKLB	-0.110872	0.523208	False
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ENSG00000101388	NMRK1	-0.111006	0.944638	False
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ENSG00000201398	SRXN1	-0.111697	0.376511	False
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ENSG00000001406	CIAPIN1	-0.112031	0.532732	False
ENSG00000101407	ITPK1	-0.112098	0.650669	False
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ENSG00000101412	VMA21	-0.112556	0.16341	False
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ENSG00000017	RAD9A	-0.113064	0.897059	True
ENSG00000019	SETBP1	-0.113088	0.789747	False
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ENSG0000004 ARID1B	-0.123912	0.221296	False
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ENSG0000029 ZHX1-C8orf76	-0.12951	0.88594	False
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ENSG0000014 AFG3L2	-0.131635	0.2635	False
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ENSG0000016 RBM23	-0.131876	0.4961	False
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ENSG0000017 CAMSAP2	-0.132087	0.183375	False
ENSG0000008 KIF16B	-0.132101	0.779118	False
ENSG0000019 AIFM1	-0.132161	0.451226	False
ENSG0000019 MRPL10	-0.132267	0.666451	False
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ENSG0000014 EML4	-0.13318	0.371711	False
ENSG0000016 MSX1	-0.133382	0.222514	False
ENSG0000016 CCT3	-0.133396	0.0261634	False
ENSG0000011 COPS7A	-0.133414	0.528232	False
ENSG0000010 GGA1	-0.133452	0.494999	False
ENSG0000011 SLC11A2	-0.133493	0.244107	False
ENSG0000019 LPCAT1	-0.133664	0.535922	False
ENSG0000011 TBC1D20	-0.133667	0.727217	False
ENSG0000011 ZNF562	-0.133812	0.533343	False
ENSG0000013 FBXW9	-0.133888	0.812985	False
ENSG0000018 C11orf71	-0.133951	0.883676	False
ENSG0000016 JMJD8	-0.133964	0.688429	False
ENSG0000018 MRPS23	-0.13417	0.279225	False
ENSG0000013 MMACHC	-0.134277	0.68548	False
ENSG0000019 ZNF624	-0.134596	0.917511	False
ENSG0000011 XRN1	-0.134643	0.592069	False
ENSG0000014 GIN1	-0.134741	0.814388	False
ENSG0000004 INPP4A	-0.134911	0.717237	False
ENSG0000011 INO80	-0.135028	0.419429	False
ENSG0000011 ANKRD13C	-0.135105	0.672965	False
ENSG0000016 TRMT10B	-0.135124	0.803729	False
ENSG0000010 SC5D	-0.135424	0.219121	False
ENSG0000011 HOXD10	-0.135445	0.959045	False
ENSG0000000 MRE11	-0.135481	0.220865	False
ENSG0000008 ZMPSTE24	-0.135498	0.403882	False
ENSG0000011 SNX6	-0.135532	0.261584	False
ENSG0000010 RPL19	-0.135559	0.0627532	False
ENSG0000011 SYMPK	-0.135574	0.336016	False
ENSG0000013 C9orf78	-0.135623	0.150083	False
ENSG0000011 RBBP6	-0.135655	0.194662	False
ENSG0000016 SLC30A7	-0.13566	0.52793	False
ENSG0000011 RPL38	-0.135702	0.0107506	False
ENSG0000011 TMEM109	-0.135772	0.126693	False
ENSG0000000 TEAD2	-0.135848	0.333515	False
ENSG0000019 ZNF511	-0.135972	0.691837	False
ENSG0000014 RHBDD1	-0.136042	0.786052	False
ENSG0000013 DMAC1	-0.136078	0.316708	False
ENSG0000011 GNA13	-0.136101	0.443966	False
ENSG0000013 NASP	-0.136248	0.0738107	False
ENSG0000016 COG7	-0.136277	0.789747	False
ENSG0000010 FBXO7	-0.136333	0.163077	False
ENSG0000014 CHMP7	-0.136503	0.588721	False
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ENSG0000010 DCAF11	-0.136681	0.367837	False
ENSG0000018 LSM10	-0.136723	0.490423	False
ENSG0000008 ARG2	-0.13676	0.781821	False
ENSG0000002 TECPR1	-0.136856	0.748786	False

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ENSG0000014	FBXO38	-0.136965	0.540025	False
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ENSG0000019	GUCY1A2	-0.137119	0.810328	False
ENSG0000014	DCAF1	-0.137232	0.658007	False
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ENSG0000014	GPN2	-0.137385	0.725273	False
ENSG0000017	RALGAPA1	-0.137596	0.539156	False
ENSG0000016	FDPS	-0.137607	0.110067	False
ENSG0000011	SF3B1	-0.137856	0.0642187	False
ENSG0000019	TRIM33	-0.137949	0.277771	False
ENSG0000007	SCARB1	-0.138023	0.338175	False
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ENSG0000011	PRKAR2A	-0.138161	0.0568858	False
ENSG0000013	MEN1	-0.138186	0.34857	False
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ENSG0000017	PLEC	-0.13825	0.453477	False
ENSG0000016	POLE2	-0.138299	0.544474	False
ENSG0000008	KAT6A	-0.138589	0.241292	False
ENSG0000016	C1GALT1	-0.138769	0.673467	False
ENSG0000018	EXOC3	-0.138873	0.463623	False
ENSG0000009	CDK17	-0.138874	0.633974	False
ENSG0000019	DYNC111	-0.138964	0.887836	False
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ENSG0000016	PQBP1	-0.140146	0.58669	False
ENSG0000019	SNF8	-0.140168	0.249824	False
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ENSG0000016	POLR2I	-0.140736	0.45344	False
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ENSG000001: SYNGR3	-0.142	0.785781	False
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ENSG000001:POGLUT1	-0.147152	0.494355	False
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ENSG000001:DHX36	-0.147588	0.144737	False
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ENSG000001: NDUFS7	-0.152481	0.52478	False
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ENSG000000: GNAS	-0.159472	0.0382258	True
ENSG000002: POLR2M	-0.159491	0.322671	False
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ENSG000001: DENND3	-0.159668	0.737431	False
ENSG000001: SCN1B	-0.159871	0.695927	False
ENSG000000: ZFAND6	-0.160049	0.262352	False
ENSG000001: UVSSA	-0.160058	0.623819	False
ENSG000002: RNPS1	-0.160119	0.0979579	False
ENSG000001: TYW1	-0.160121	0.418132	False
ENSG000001: ZNF581	-0.160203	0.640031	False
ENSG000002: INSYN2B	-0.160211	0.955247	False
ENSG000001: ABRAXAS2	-0.160222	0.579351	False
ENSG000000: PIAS1	-0.160255	0.392086	False
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ENSG000001: EEF1E1	-0.160387	0.0608938	False
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ENSG000002: UBE2F-SCLY	-0.160477	0.531659	False

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ENSG000001: ATXN1	-0.16055	0.750761	False
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ENSG000002: NSUN6	-0.160756	0.653239	False
ENSG000001: FAM222A	-0.160837	0.829703	False
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ENSG000002: MRPL46	-0.161291	0.425156	False
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ENSG000001: CITED1	-0.161427	0.798926	False
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ENSG000001: PABIR3	-0.16155	0.881725	False
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ENSG000002: TAF9	-0.161752	0.0650651	False
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ENSG000001: CSMD1	-0.162016	0.865443	False
ENSG000001: CCNF	-0.162121	0.257499	False
ENSG000000: CDC23	-0.162161	0.155846	False
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ENSG000001: TMPO	-0.163635	0.00904813	False
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ENSG000001: MRPS7	-0.165406	0.0850685	False
ENSG000001: ROBO1	-0.165771	0.24147	False
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ENSG000001: ZNF34	-0.167418	0.808416	False
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ENSG000001: NDUFAF1	-0.167974	0.601226	False
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ENSG000001: RHPN2	-0.168418	0.697032	False
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ENSG00000001:CCAR1	-0.16961	0.00518545	False
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ENSG0000010MTMR4	-0.187988	0.246931	False
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ENSG000000006: SLK	-0.191043	0.0646943	False
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ENSG00000018	MFSD5	-0.197745	0.138524	False
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ENSG00000010	AMPD2	-0.19988	0.409827	False
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ENSG0000017	SH3RF3	-0.206623	0.765711	False
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ENSG0000018	RGPD6	-0.206658	0.141133	False
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ENSG0000019	DEDD	-0.207514	0.400544	False
ENSG0000006	KARS1	-0.207787	0.0019142	False
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ENSG0000010	USP46	-0.207995	0.603259	False
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ENSG0000019 L3MBTL3	-0.209943	0.73096	False
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ENSG0000012 DLK2	-0.212924	0.861739	False
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ENSG0000019 HOMER1	-0.213282	0.132658	False
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ENSG0000019 NCAPD3	-0.245068	0.153954	False
ENSG0000016 WDR43	-0.245113	0.00784898	False
ENSG0000004 VAMP3	-0.245138	0.181404	False
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ENSG0000017 DNAJC15	-0.245226	0.153259	False
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ENSG0000013 ORC2	-0.245435	0.0406083	False
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ENSG0000017 CHMP6	-0.245557	0.73812	False
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ENSG0000014 TAF4B	-0.246666	0.512686	False
ENSG0000019 DISP1	-0.24671	0.570327	False
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ENSG0000013 HTRA2	-0.246722	0.253828	False
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ENSG0000019 ZNF587	-0.247347	0.39081	False



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ENSG000002! CORT	-0.252073	0.776636	False
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ENSG000000010101	MTREX	-0.270843	0.00611877	False
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ENSG00000012	SLC25A23	-0.277527	0.17169	False
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ENSG00000013	OSBPL2	-0.277884	0.270376	False
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ENSG00000016	MAD2L1	-0.279205	0.00060325	False
ENSG00000010	RAB5IF	-0.27929	0.00179042	False
ENSG00000012	NAA25	-0.279537	0.0258813	False
ENSG00000010	SH3D19	-0.27963	0.204508	False
ENSG00000007	ARAF	-0.279783	0.350546	False
ENSG00000014	LYSMD2	-0.279898	0.192553	False
ENSG00000013	RAC1	-0.280068	2.10E-07	False
ENSG00000018	CMKLR2	-0.280198	0.856048	False
ENSG00000022	NPEPL1	-0.280279	0.170213	False
ENSG00000016	LBHD1	-0.280315	0.0845107	False
ENSG00000013	TMEM19	-0.280351	0.0776468	False

ENSG00000101317	NSMCE4A	-0.280441	0.016276	False
ENSG00000101318	SLC20A2	-0.280458	0.410449	False
ENSG00000101319	CREG1	-0.280504	0.156673	False
ENSG00000101320	ZNF280D	-0.280674	0.262241	False
ENSG00000101321	C1orf21	-0.280813	0.383262	False
ENSG00000101322	PROSER1	-0.280979	0.0922283	False
ENSG00000101323	COX7A2L	-0.281086	0.0311793	False
ENSG00000101324	MASTL	-0.281118	0.153334	False
ENSG00000201325	IL10RB	-0.281163	0.306004	False
ENSG00000001326	HCN2	-0.281225	0.772781	False
ENSG00000101327	PDE4B	-0.281275	0.49766	False
ENSG00000101328	ST3GAL2	-0.281294	0.11091	False
ENSG00000001329	POMT2	-0.281338	0.00669377	False
ENSG00000201330	PHB2	-0.281384	0.00068816	False
ENSG00000101331	ETAA1	-0.281391	0.251123	False
ENSG00000101332	YTHDF1	-0.281392	0.010892	False
ENSG00000101333	UBE4B	-0.281498	0.123297	False
ENSG00000001334	MGST1	-0.28155	0.0267858	False
ENSG00000101335	MPHOSPH6	-0.281606	0.00548011	False
ENSG00000101336	ATP6VOE1	-0.281739	0.00079267	False
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ENSG00000101338	TNKS	-0.282003	0.0792381	False
ENSG00000101339	NOP9	-0.282145	0.00839874	False
ENSG00000101340	TIMM50	-0.28221	0.0644151	False
ENSG00000101341	RUVBL2	-0.282267	0.0649883	False
ENSG00000101342	CEBPG	-0.282401	0.0745262	False
ENSG00000101343	PRELID1	-0.282465	0.00014112	False
ENSG00000101344	CNDP2	-0.282471	0.127188	False
ENSG00000101345	FOS	-0.282727	0.398028	True
ENSG00000001346	RAD52	-0.282941	0.73812	False
ENSG00000101347	ARRDC1	-0.283043	0.704367	False
ENSG00000101348	PITPNB	-0.283148	0.00548011	False
ENSG00000101349	CINP	-0.283177	0.379667	False
ENSG00000101350	FAM241B	-0.28319	0.642166	False
ENSG00000101351	CTDNBP1	-0.283278	0.00011474	False
ENSG00000001352	GPBP1	-0.283306	0.0205311	False
ENSG00000101353	CYTH2	-0.283325	0.287146	False
ENSG00000101354	URM1	-0.283383	0.0369792	False
ENSG00000101355	UTP11	-0.283387	0.00496778	False
ENSG00000101356	EFNA1	-0.283709	0.00255858	False
ENSG00000101357	THOC7	-0.283735	0.0360197	False
ENSG00000101358	ARL6IP5	-0.28406	0.120384	False
ENSG00000101359	PRKD3	-0.284126	0.0851814	False
ENSG00000001360	EDEM2	-0.284139	0.489579	False
ENSG00000101361	EIF4G1	-0.284376	0.0863625	False
ENSG00000101362	RNF44	-0.284421	0.014772	False
ENSG00000101363	MDM4	-0.284461	0.00325143	False
ENSG00000101364	FNBP1	-0.284924	0.206473	False
ENSG00000101365	RAB31	-0.285364	0.0070709	False
ENSG00000101366	AHCYL2	-0.285446	0.44312	False
ENSG00000201367	UPK3BL1	-0.28551	0.506383	False
ENSG00000101368	RASSF8	-0.285604	0.121114	False



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ENSG0000010 FRMD3	-0.286183	0.66002	False
ENSG0000010 NUBPL	-0.286334	0.122527	False
ENSG0000010 FOXO4	-0.286554	0.511007	False
ENSG0000010 SSU72	-0.286733	0.0233836	False
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ENSG0000000 RTF2	-0.287309	0.00119426	False
ENSG0000014 STAC	-0.287442	0.434308	False
ENSG0000000 TBC1D23	-0.287456	0.309422	False
ENSG0000010 RAD50	-0.287549	0.00052926	False
ENSG0000010 NUDT4B	-0.287618	0.0459962	False
ENSG0000000 PIK3C3	-0.287678	0.0772303	False
ENSG0000020 GTF2I	-0.28771	1.35E-05	False
ENSG0000010 EIF4EBP1	-0.287722	0.284029	False
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ENSG0000010 CNOT7	-0.287943	2.53E-06	False
ENSG0000010 MEAF6	-0.288221	0.0315255	False
ENSG0000020 SMIM30	-0.288241	0.0573163	False
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ENSG0000010 GIPC1	-0.2886	0.029445	False
ENSG0000010 PPP6R1	-0.288721	0.0189951	False
ENSG0000010 RPS6KA4	-0.288739	0.381713	False
ENSG0000000 NUP37	-0.288813	0.047741	False
ENSG0000010 PSMC2	-0.288957	0.00075417	False
ENSG0000010 RACGAP1	-0.28914	0.00541003	False
ENSG0000010 RPUSD4	-0.289314	0.0241432	False
ENSG0000000 MAD1L1	-0.289387	0.809722	False
ENSG0000010 NFYB	-0.289452	0.0310369	False
ENSG0000010 GCC1	-0.289486	0.0784571	False
ENSG0000010 PPP2R1B	-0.289708	0.0203627	False
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ENSG0000010 AGO2	-0.290013	0.00016732	False
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ENSG0000010 YJU2	-0.290076	0.558572	False
ENSG0000010 PLAG1	-0.290094	0.270321	False
ENSG0000010 BYSL	-0.290335	0.035975	False
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ENSG0000010 PLCXD1	-0.290611	0.329284	False
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ENSG0000017DOCK7	-0.29162	0.397985	False
ENSG0000017AGAP5	-0.291697	0.584164	False
ENSG0000026NHSL2	-0.291756	0.921257	False
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ENSG0000016SAP30	-0.292963	0.320073	False
ENSG0000014TMEM138	-0.29375	0.148101	False
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ENSG0000017FOSB	-0.293825	0.873035	False
ENSG0000026MAGEA2	-0.294124	0.152206	False
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ENSG0000014COMMD10	-0.294138	0.0748116	False
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ENSG0000017DMAC2L	-0.294713	0.180761	False
ENSG0000014TPRKB	-0.294729	0.00779021	True
ENSG0000019C1orf174	-0.294797	0.0544422	False
ENSG0000026SMIM7	-0.294835	0.0160872	False
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ENSG0000014SH3BGR3	-0.296476	0.104811	False
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ENSG0000018TBX1	-0.296605	0.326866	False
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ENSG0000016PDAP1	-0.296864	0.0080687	False
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ENSG0000017TIMM17B	-0.297326	0.283691	False
ENSG0000017MATN3	-0.297529	0.834529	False
ENSG0000017LDLRAD3	-0.297798	0.076506	False
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ENSG0000010 RAB34	-0.298782	0.0105056	False
ENSG0000016 ZNF148	-0.298914	0.00295714	False
ENSG0000010 TCFL5	-0.298981	0.132172	False
ENSG0000016 RNF181	-0.299006	0.0273333	False
ENSG0000018 OAF	-0.299056	0.38476	False
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ENSG0000014 SURF6	-0.299097	0.00800211	False
ENSG0000013 USP30	-0.299224	0.470179	False
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ENSG0000014 HDGF	-0.299709	4.44E-08	False
ENSG0000020 TMEM200C	-0.299872	0.492271	False
ENSG0000016 FASN	-0.299883	1.35E-05	False
ENSG0000020 METTL6	-0.299903	0.128702	False
ENSG0000016 DNAAF2	-0.300017	0.128409	False
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ENSG0000016 HPRT1	-0.300445	0.00241964	False
ENSG0000017 FAM20C	-0.300547	0.193352	False
ENSG0000018 LUZP2	-0.300721	0.127237	False
ENSG0000017 RNF6	-0.300806	0.129723	False
ENSG0000024 COX19	-0.301159	0.0955535	False
ENSG0000016 ZNF507	-0.30178	0.102523	False
ENSG0000026 SRSF8	-0.301784	0.00215165	False
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ENSG0000019 SMG1	-0.301946	0.0497444	False
ENSG0000017 MIF4GD	-0.301977	0.179486	False
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ENSG0000010 MFAP2	-0.302067	0.188693	False
ENSG0000010 STK11	-0.302098	0.668888	False
ENSG0000018 TMEM216	-0.302112	0.373881	False
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ENSG0000019 CCDC174	-0.302125	0.358025	False
ENSG0000017 SPATA5L1	-0.302139	0.449662	False
ENSG0000018 MCRC1	-0.302411	0.0141165	False
ENSG0000014 CHEK1	-0.302483	0.0225581	False
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ENSG0000010 MADD	-0.302961	0.309534	False
ENSG0000010 CNRIP1	-0.303002	0.533072	False
ENSG0000027 ATXN1L	-0.303042	0.255767	False
ENSG0000010 OSBP	-0.303275	0.164196	False
ENSG0000018 C6orf120	-0.303302	0.161745	False
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ENSG000001: TARS3	-0.303692	0.544401	False
ENSG000001: TIMM9	-0.303702	0.0571521	False
ENSG000001: GTF2A1	-0.303761	0.00205354	False
ENSG000001: BLM	-0.303792	0.0570535	False
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ENSG000001: BRD1	-0.30408	0.232078	False
ENSG000001: U2SURP	-0.304242	2.33E-06	False
ENSG000001: GLCCI1	-0.304247	0.0914939	False
ENSG000000: UTP18	-0.304289	0.00799368	False
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ENSG000001: SCAND1	-0.304417	0.63352	False
ENSG000000: GTSE1	-0.304695	0.00595773	False
ENSG000001: JMJD1C	-0.304746	0.133087	False
ENSG000001: ZNF385B	-0.304756	0.683387	False
ENSG000002: ARL16	-0.305029	0.336912	False
ENSG000001: TMEM18	-0.305154	0.0462701	False
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ENSG000001: NSUN5	-0.305661	0.00137892	False
ENSG000001: HELQ	-0.305826	0.57273	False
ENSG000001: SCYL1	-0.305957	0.282209	False
ENSG000001: TRIM41	-0.306059	0.160541	False
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ENSG000000: CA11	-0.306128	0.479235	False
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ENSG000001: CCNY	-0.30666	0.0469471	False
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ENSG000001: CACTIN	-0.306942	0.248934	False
ENSG000001: RBM4	-0.30706	0.00124321	False
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ENSG000001: FAM81A	-0.307616	0.475925	False
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ENSG000001: GSPT1	-0.307658	2.21E-05	False
ENSG000001: GPATCH4	-0.307716	0.00042037	False
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ENSG000001: GORASP1	-0.307956	0.292664	False
ENSG000002: CRIP1	-0.308202	0.369142	False
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ENSG000001: ARHGEF18	-0.30834	0.198173	False
ENSG000001: TENT4B	-0.309138	0.0019978	False
ENSG000002: USP51	-0.309368	0.795211	False
ENSG000002: SMKR1	-0.309393	0.412892	False
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ENSG000001: ZNF544	-0.309688	0.0622471	False

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ENSG0000027WDR46	-0.309933	0.0719726	False
ENSG0000018URGCP	-0.310088	0.246074	False
ENSG0000018NUP155	-0.310251	0.00790958	False
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ENSG0000018USP24	-0.310476	0.0442568	False
ENSG0000018ABHD11	-0.310571	0.337265	False
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ENSG0000018AP3B1	-0.310802	0.106805	False
ENSG0000018YARS1	-0.310852	0.002602	False
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ENSG0000018NXT2	-0.311829	0.0570535	False
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ENSG0000014REXO4	-0.312189	0.0366958	False
ENSG0000018TRIM28	-0.312258	0.0052201	False
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ENSG0000018KDM3A	-0.312308	0.0652307	False
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ENSG0000014PPFIA4	-0.31266	0.896331	False
ENSG0000018ECT2	-0.312714	0.00068914	False
ENSG0000018SRPK2	-0.312837	0.00021948	False
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ENSG0000018DDX60	-0.313101	0.55419	False
ENSG0000018ETS1	-0.313168	0.473257	False
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ENSG0000018NIFK	-0.313348	0.00019469	False
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ENSG0000007GRAMD4	-0.313577	0.638515	False
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ENSG0000018NR2F6	-0.313978	0.00304699	False
ENSG0000017NDUFV2	-0.314637	0.00050237	False
ENSG0000017HJURP	-0.314694	0.0038081	False
ENSG0000018KBTBD2	-0.314701	0.0721975	False
ENSG0000008RHBDD2	-0.314876	0.161793	False
ENSG0000018STRN3	-0.314955	0.0372396	False
ENSG0000008ATP11A	-0.315384	0.00268638	False
ENSG0000008TFB1M	-0.315396	0.106848	False
ENSG0000008KDM7A	-0.31548	0.444739	False
ENSG0000018ADAMTS5	-0.315497	0.0593275	False

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ENSG000001:THADA	-0.315745	0.089463	False
ENSG000001:ZNRF3	-0.315862	0.340698	False
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ENSG000001:ZNF169	-0.316009	0.711993	False
ENSG000000:CBARP	-0.316139	0.555201	False
ENSG000001:PPP3CB	-0.316143	0.00780927	False
ENSG000001:SPPL3	-0.316633	0.107574	False
ENSG000001:SPTBN2	-0.316822	0.261256	False
ENSG000001:TLK1	-0.316934	0.0422756	False
ENSG000001:SRSF6	-0.317034	5.51E-07	False
ENSG000001:TBL3	-0.317089	0.633294	False
ENSG000001:WIPF1	-0.31711	0.00071863	False
ENSG000001:EBNA1BP2	-0.317129	4.95E-05	False
ENSG000001:RHOV	-0.317195	0.492452	False
ENSG000001:RAD17	-0.317297	0.0195457	False
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ENSG000001:CHCHD5	-0.35916	0.542932	False
ENSG000001:NUP35	-0.35927	0.0360381	False
ENSG000001:C19orf44	-0.359818	0.532131	False
ENSG000001:RMND5B	-0.359936	0.0815541	False
ENSG000001:SSTR2	-0.359987	0.346758	False
ENSG000000:RRP15	-0.360413	0.0014374	False
ENSG000001:ECD	-0.36047	0.0233836	False
ENSG000001:ABCF3	-0.360548	0.279225	False

ENSG000001: OTX1	-0.360612	0.508712	False
ENSG000001: ITFG2	-0.360869	0.407273	False
ENSG000001: UTP15	-0.360942	0.00836244	False
ENSG000001: TSR2	-0.361178	0.00870909	False
ENSG000000: XK	-0.361271	0.288139	False
ENSG000001: KMT2D	-0.361374	0.0210937	False
ENSG000001: MED7	-0.36167	0.101704	False
ENSG000001: ADAM21	-0.361893	0.824105	False
ENSG000001: IQCH	-0.361927	0.862322	False
ENSG000000: NDC1	-0.362148	2.59E-06	False
ENSG000002: ZNF616	-0.362174	0.493957	False
ENSG000001: GNG11	-0.362307	1.21E-07	False
ENSG000001: THBS3	-0.362363	0.797772	False
ENSG000001: IMPDH1	-0.362519	0.0195625	False
ENSG000001: EIF2S2	-0.36267	5.10E-12	False
ENSG000001: NAA10	-0.362724	0.0396941	False
ENSG000001: SLC19A2	-0.362824	0.465502	True
ENSG000001: PNRC1	-0.362868	0.00117698	False
ENSG000002: MLLT6	-0.363199	0.0815284	False
ENSG000000: RIF1	-0.363307	0.00016835	False
ENSG000001: SNAPC4	-0.363473	0.320708	False
ENSG000001: CNBP	-0.363655	4.48E-08	False
ENSG000000: BAZ1B	-0.363679	0.0001759	False
ENSG000000: MRPS33	-0.363719	0.0196114	False
ENSG000001: MTG2	-0.364026	0.126004	False
ENSG000001: RNLS	-0.364035	0.795578	False
ENSG000001: IFIT1	-0.364169	0.170492	False
ENSG000001: TAF6L	-0.36423	0.70871	False
ENSG000001: KCTD3	-0.364617	4.97E-06	False
ENSG000001: PSMA5	-0.364834	0.00250087	False
ENSG000002: YJEFN3	-0.364867	0.909543	False
ENSG000001: DPH5	-0.365062	0.0250527	False
ENSG000001: CCDC121	-0.365458	0.821828	False
ENSG000001: GLA	-0.365477	0.0424453	False
ENSG000001: EXOSC4	-0.365582	0.0612731	False
ENSG000001: TTC26	-0.365741	0.153506	False
ENSG000001: EWSR1	-0.365912	7.80E-06	False
ENSG000001: THYN1	-0.365943	0.00954085	False
ENSG000000: KIZ	-0.365975	0.416957	False
ENSG000001: GPAT3	-0.366258	0.677091	False
ENSG000001: MLST8	-0.366349	0.215124	False
ENSG000001: CYB5B	-0.366452	0.00093804	False
ENSG000000: NCK2	-0.366461	0.483184	False
ENSG000001: LCLAT1	-0.36652	0.0212114	False
ENSG000001: LIN28A	-0.366776	0.854659	False
ENSG000001: MYBBP1A	-0.366806	0.00261259	False
ENSG000001: MARCKSL1	-0.366827	0.0585639	False
ENSG000000: C3orf18	-0.366923	0.689262	False
ENSG000002: CDKN2AIPNL	-0.367022	0.0469513	False
ENSG000001: SLC16A3	-0.367172	0.0038437	False
ENSG000000: NFIX	-0.367309	0.00541003	False
ENSG000001: KIF14	-0.367565	4.98E-06	False

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ENSG0000016 MAT2A	-0.367777	3.27E-06	False
ENSG0000017 ZNF613	-0.367811	0.657208	False
ENSG0000019 KLF9	-0.367812	0.106892	False
ENSG0000019 SASS6	-0.367902	0.0638062	False
ENSG0000014 CARM1	-0.367967	0.00078575	False
ENSG0000029 CHCHD10	-0.367967	5.76E-07	False
ENSG0000009 NOP58	-0.368081	2.66E-09	False
ENSG0000010 ATE1	-0.368251	0.0489831	False
ENSG0000004 PHKA2	-0.368424	0.219169	False
ENSG0000008 FXD5	-0.368591	0.115306	False
ENSG0000024 MARS2	-0.368676	0.111355	False
ENSG0000019 SLC13A3	-0.368692	0.181899	False
ENSG0000010 TFAZZIN	-0.368813	0.192763	False
ENSG0000010 NRF1	-0.368868	0.212255	False
ENSG0000009 TXNL1	-0.369044	0.00706503	False
ENSG0000019 EHBP1	-0.36912	0.0234172	False
ENSG0000019 ZC3H4	-0.369214	0.0014823	False
ENSG0000019 FOXP2	-0.369232	0.353092	False
ENSG0000017 HERPUD2	-0.370028	0.0261326	False
ENSG0000019 QRSL1	-0.370199	0.109824	False
ENSG0000017 SLC35A4	-0.370264	0.134876	False
ENSG0000019 MED10	-0.370341	0.00040837	False
ENSG0000019 LRIF1	-0.370435	0.0104446	False
ENSG0000019 TOMM70	-0.370552	2.31E-06	False
ENSG0000016 CHTOP	-0.37094	7.09E-06	False
ENSG0000014 PRDM16	-0.37104	0.850962	False
ENSG0000019 NOPCHAP1	-0.371113	0.0109645	True
ENSG0000000 HEATR5B	-0.371168	0.377229	False
ENSG0000000 LIG3	-0.37128	0.0284401	False
ENSG0000018 C1QL4	-0.371517	0.789747	False
ENSG0000010 EEF2K	-0.37154	0.0288353	False
ENSG0000017 THAP10	-0.371686	0.619217	False
ENSG0000029 ZBTB22	-0.371715	0.39416	False
ENSG0000010 RUNDC3B	-0.371818	0.589907	False
ENSG0000016 CAMK2N1	-0.371834	0.291915	False
ENSG0000016 DFFB	-0.371874	0.227694	False
ENSG0000029 DDX47	-0.371876	0.0271925	False
ENSG0000016 MAML1	-0.372028	0.00027327	False
ENSG0000000 PAX6	-0.372029	0.0267014	False
ENSG0000014 ZCCHC2	-0.372625	0.027567	False
ENSG0000029 UHRF1	-0.372904	8.08E-06	False
ENSG0000019 MXI1	-0.373059	0.0320421	False
ENSG0000010 ARMC6	-0.373149	0.042676	False
ENSG0000016 GPR85	-0.373345	0.563735	False
ENSG0000009 PITPNM2	-0.373427	0.609907	False
ENSG0000019 PARP6	-0.373491	0.314933	False
ENSG0000019 FAM217B	-0.373542	9.49E-05	False
ENSG0000010 GSR	-0.373559	6.51E-06	False
ENSG0000016 WDR82	-0.373736	1.61E-06	False
ENSG0000014 THSD7B	-0.373868	0.908182	False
ENSG0000029 CASTOR2	-0.373919	0.061828	False

ENSG0000010EP300	-0.374208	0.00158449	False
ENSG0000010ATF4	-0.374227	3.35E-10	False
ENSG0000010RUFY1	-0.374248	0.0246504	False
ENSG0000010MRPL47	-0.374425	9.75E-05	False
ENSG0000010PTCD3	-0.37458	2.66E-05	False
ENSG0000010RSBN1L	-0.375334	0.00064233	False
ENSG0000010SH3BP5	-0.375597	0.00019677	False
ENSG0000010OSGEPL1	-0.375777	0.377415	False
ENSG0000010SSBP1	-0.375837	4.14E-10	False
ENSG0000010IRF8	-0.375871	0.914573	False
ENSG0000000KIF26A	-0.37598	4.49E-05	False
ENSG0000010R3HDM2	-0.376163	0.0467176	False
ENSG0000000ZNF37A	-0.376185	0.00992199	True
ENSG0000010ABCE1	-0.376366	0.00013812	False
ENSG0000010SEC23IP	-0.376618	0.00175118	False
ENSG0000010FAM53B	-0.376781	0.351062	False
ENSG0000010SPATA13	-0.377108	0.546821	False
ENSG0000010CACNA2D3	-0.377163	0.372773	False
ENSG0000010XPOT	-0.377235	0.0003722	False
ENSG0000000RAD54L	-0.377389	0.342303	False
ENSG0000020DNAAF4	-0.377457	0.498744	False
ENSG0000010CCAR2	-0.377636	0.203394	False
ENSG0000000RASGRP2	-0.37765	0.84667	False
ENSG0000010WNT2B	-0.37765	0.84667	False
ENSG0000010LRP3	-0.377794	0.650927	False
ENSG0000010UPP1	-0.37789	0.418582	True
ENSG0000010SLC9A9	-0.378202	0.891565	False
ENSG0000020RTL8B	-0.378271	0.00909427	False
ENSG0000010OTUD4	-0.378391	0.0453311	False
ENSG0000020ZNF316	-0.378493	0.143672	False
ENSG0000020SHLD3	-0.378498	0.220016	False
ENSG0000010PYROXD1	-0.37877	0.00992187	False
ENSG0000010TMEM123	-0.378777	0.00093026	False
ENSG0000010NCAPG2	-0.379046	0.00013928	False
ENSG0000010TTF2	-0.379279	0.00010188	False
ENSG0000020ZGLP1	-0.37943	0.884673	False
ENSG0000000GCFC2	-0.37961	0.145123	False
ENSG0000010FAM133A	-0.380022	0.736199	False
ENSG0000010TOMM40	-0.380089	1.81E-05	False
ENSG0000010CASP9	-0.380262	0.0273213	False
ENSG0000010MLH3	-0.380411	0.0820797	False
ENSG0000010MPV17L	-0.380512	0.141045	False
ENSG0000010DCLRE1A	-0.380519	0.198946	False
ENSG0000010ZCCHC14	-0.38068	0.0900233	False
ENSG0000010MTARC2	-0.380755	0.0343576	False
ENSG0000010GCNA	-0.380902	0.558163	False
ENSG0000010EIF4A1	-0.380957	3.35E-08	False
ENSG0000010PER1	-0.380998	0.177799	False
ENSG0000010CENPB	-0.381187	0.0713216	False
ENSG0000010STK4	-0.381257	0.00047128	False
ENSG0000010SBF2	-0.381303	0.044264	False
ENSG0000010CLUH	-0.381336	0.00062551	False

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ENSG000000: VPS50	-0.381353	0.0250262	False
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ENSG000001: LHX6	-0.381756	0.604808	False
ENSG000001: PTPN12	-0.38209	0.00543988	False
ENSG000001: HUS1	-0.382154	0.0303431	False
ENSG000001: PDLIM1	-0.382211	0.00386041	False
ENSG000001: WASHC4	-0.382436	0.0191602	False
ENSG000001: HSPD1	-0.38244	1.36E-16	False
ENSG000001: MRPL24	-0.382698	4.99E-05	False
ENSG000001: RRP1B	-0.38272	1.97E-05	False
ENSG000001: ENTREP3	-0.382876	2.51E-05	False
ENSG000001: VSIG10L	-0.383	0.457583	False
ENSG000001: RGCC	-0.383032	0.633106	False
ENSG000000: ASPM	-0.383053	2.61E-07	False
ENSG000001: NAA15	-0.383085	0.00066187	False
ENSG000001: RBM39	-0.383436	2.33E-12	False
ENSG000001: ERCC2	-0.383811	0.170555	False
ENSG000001: TOGARAM1	-0.383843	0.619977	False
ENSG000001: RTL6	-0.38397	0.00053529	False
ENSG000000: AK2	-0.384108	1.75E-10	False
ENSG000001: CCDC113	-0.384167	0.452388	False
ENSG000001: ZFAND1	-0.384512	0.0199444	False
ENSG000001: PDE2A	-0.384554	0.000133	False
ENSG000002: CSAG3	-0.384766	0.156174	False
ENSG000001: ANO7	-0.385034	0.671732	False
ENSG000002: NUDT19	-0.385157	0.00469271	False
ENSG000001: NCOA6	-0.385177	0.00010907	False
ENSG000001: DDX39A	-0.385316	0.00036756	False
ENSG000001: CHORDC1	-0.38552	5.50E-09	False
ENSG000000: MTIF2	-0.385544	0.00152642	False
ENSG000001: CDKL2	-0.385779	0.811035	False
ENSG000001: COQ8B	-0.385854	0.708292	False
ENSG000001: NEIL2	-0.38589	0.0302806	False
ENSG000002: PWP2	-0.386073	0.0487505	False
ENSG000001: ZMYM6	-0.386125	0.201924	False
ENSG000001: PLPP2	-0.386459	4.34E-05	False
ENSG000002: HMBS	-0.386547	0.232118	False
ENSG000002: LIX1L	-0.386668	0.0143011	False
ENSG000000: DZANK1	-0.386827	0.844256	False
ENSG000001: DGKE	-0.387041	0.15534	False
ENSG000001: SETD1B	-0.387198	0.00426799	False
ENSG000002: AP4M1	-0.387342	0.315194	False
ENSG000001: TMEM120A	-0.387482	0.0380576	False
ENSG000001: UBIAD1	-0.387966	0.0422643	False
ENSG000001: IMPA2	-0.388061	0.00386593	False
ENSG000001: E2F6	-0.388138	0.0854901	False
ENSG000001: PAXIP1	-0.388206	0.0591033	False
ENSG000000: THRAP3	-0.388218	4.73E-08	False
ENSG000002: CSAG2	-0.388341	0.150779	False
ENSG000002: COG8	-0.388415	0.00074421	False
ENSG000001: NDUFAF2	-0.388594	0.0107457	False



ENSG000001:GTF3C4	-0.388713	2.82E-07	False
ENSG000001:SLC25A33	-0.389388	0.177548	False
ENSG000002:EEF1AKMT4	-0.389463	0.513535	False
ENSG000001:IFTAP	-0.389656	0.233091	False
ENSG000001:KDM6B	-0.389701	0.535704	False
ENSG000001:DDX21	-0.389751	6.80E-18	False
ENSG000000:SKAP2	-0.390216	0.159705	False
ENSG000001:NAT9	-0.390429	0.601112	False
ENSG000001:RSL1D1	-0.390453	1.83E-08	False
ENSG000001:SNDB1	-0.39063	2.11E-07	False
ENSG000000:PDZD4	-0.391032	0.848887	False
ENSG000000:MLLT10	-0.391127	0.0585639	False
ENSG000001:PLA2G6	-0.391255	0.822327	False
ENSG000001:CNTRL	-0.391532	0.112956	False
ENSG000001:MLF1	-0.391667	0.135757	False
ENSG000001:DPAGT1	-0.39173	0.00830468	False
ENSG000001:AGO4	-0.39193	0.301566	False
ENSG000001:PMPCA	-0.39194	0.0829061	False
ENSG000001:GTF2E1	-0.392045	0.00641803	False
ENSG000001:HOXC4	-0.39209	0.171146	False
ENSG000001:TBC1D30	-0.392137	0.20997	False
ENSG000001:DHODH	-0.392543	0.352834	False
ENSG000001:CCNH	-0.392893	0.103919	False
ENSG000002:ADSL	-0.392915	4.96E-08	False
ENSG000000:RAB10	-0.392927	3.97E-05	False
ENSG000000:RIOK2	-0.393036	0.00445501	False
ENSG000001:TMEM128	-0.393063	0.270228	False
ENSG000002:BRD3OS	-0.393156	0.241938	False
ENSG000001:PDCD11	-0.393326	0.00486653	False
ENSG000001:NOB1	-0.39339	3.80E-05	False
ENSG000001:PDP2	-0.393747	0.0146482	False
ENSG000001:ORAI2	-0.393772	0.0339082	False
ENSG000001:SFT2D3	-0.393971	0.524956	False
ENSG000001:ARL4A	-0.394029	0.00489991	False
ENSG000001:HNRNPR	-0.394076	4.35E-09	False
ENSG000001:PDPK1	-0.394078	0.0671918	False
ENSG000001:WDR83	-0.39416	0.650653	False
ENSG000001:CNPPD1	-0.394256	0.0536994	False
ENSG000001:SLC22A4	-0.394377	0.119051	False
ENSG000001:FMNL1	-0.394694	0.254564	False
ENSG000000:NAT14	-0.394728	0.0401562	False
ENSG000001:P4HA3	-0.394783	0.549209	False
ENSG000001:H2BC13	-0.39499	0.737344	False
ENSG000001:TET3	-0.395068	0.0588827	False
ENSG000000:PUM3	-0.395291	1.35E-06	False
ENSG000000:TRIT1	-0.395348	0.0201762	False
ENSG000001:EME1	-0.395394	0.120408	False
ENSG000001:DNAJC30	-0.395563	0.165546	False
ENSG000001:ARID2	-0.395582	0.00030639	False
ENSG000000:MISP	-0.395696	0.109652	False
ENSG000001:MFAP3L	-0.395728	0.659414	True
ENSG000001:C20orf27	-0.395891	0.022509	False



ENSG000002060001:CCNQ	-0.402801	0.0434412	False
ENSG000002060001:PRH1	-0.402871	0.661827	False
ENSG000001060001:CHD4	-0.403254	3.60E-12	False
ENSG000001060001:PNPLA8	-0.403293	0.017904	False
ENSG000001060001:DDX28	-0.403726	0.0578043	False
ENSG000001060001:NOP2	-0.403815	0.0110332	False
ENSG000001060001:PPTC7	-0.403852	0.0416323	False
ENSG000001060001:PPP4C	-0.40414	0.477873	False
ENSG000001060001:ZNF114	-0.404164	0.701349	False
ENSG000001060001:TANGO6	-0.404191	0.15269	False
ENSG000001060001:MKI67	-0.404575	1.66E-05	False
ENSG000000060001:CELSR3	-0.404702	0.470106	False
ENSG000001060001:RPTOR	-0.404813	0.0715673	False
ENSG000000060001:CDC7	-0.405151	0.0327581	False
ENSG000001060001:CCT6A	-0.405208	1.50E-21	False
ENSG000002060001:MTCP1	-0.405255	0.753039	False
ENSG000001060001:ZNF766	-0.405456	0.170855	False
ENSG000001060001:NGLY1	-0.405508	0.0293897	False
ENSG000001060001:ODF2	-0.405575	0.0313264	False
ENSG000001060001:FNDCA3A	-0.405597	0.0563667	False
ENSG000001060001:SNUPN	-0.405614	0.234218	False
ENSG000001060001:PTPRG	-0.405637	0.598791	False
ENSG000000060001:SELENOO	-0.405801	0.175769	False
ENSG000000060001:CHRD	-0.405885	0.821828	False
ENSG000001060001:GTPBP4	-0.406083	2.19E-07	False
ENSG000001060001:ZKSCAN3	-0.406143	0.35916	False
ENSG000001060001:PDGFRB	-0.406188	0.272288	False
ENSG000001060001:THAP9	-0.406491	0.73812	False
ENSG000000060001:CDC27	-0.406575	1.76E-05	False
ENSG000001060001:DDX49	-0.406686	0.0804606	False
ENSG000001060001:ALKBH2	-0.406746	0.0419592	False
ENSG000000060001:EXOSC5	-0.406925	0.0795424	False
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ENSG000001060001:DNAJC4	-0.40835	0.7529	False
ENSG000001060001:PPIB	-0.409029	0.237621	False
ENSG000001060001:MIRM2	-0.409029	0.0936922	False
ENSG000001060001:RRS1	-0.409133	2.92E-05	False
ENSG000001060001:RRP7A	-0.409196	0.00031683	False
ENSG000000060001:IL20RA	-0.409227	0.774969	False
ENSG000001060001:LARP1	-0.409426	9.43E-16	False
ENSG000001060001:RHEB	-0.409465	7.38E-07	False
ENSG000001060001:MYL9	-0.409661	0.0418521	False
ENSG000001060001:SNX8	-0.409672	0.143657	False
ENSG000001060001:SEMA3D	-0.409909	0.0037183	False
ENSG000000060001:SLC38A5	-0.410005	0.153156	False
ENSG000001060001:STK11IP	-0.410252	0.319327	False
ENSG000001060001:NELFCD	-0.41159	0.00044	False
ENSG000000060001:SREBF1	-0.411658	0.00841711	False
ENSG000002060001:DNAAF10	-0.41166	0.00219532	False
ENSG000001060001:LONRF3	-0.411681	0.313705	False
ENSG000001060001:HPS3	-0.41208	0.326224	False
ENSG000001060001:PRCC	-0.412126	0.115181	False

ENSG000001:RSL24D1	-0.412576	9.39E-05	False
ENSG000001: SOGA1	-0.412598	0.039361	False
ENSG000002: ATP6V1G2-DE	-0.412659	0.0010556	False
ENSG000001: BMI1	-0.412815	0.00018098	False
ENSG000001: ZNF627	-0.412889	0.457295	False
ENSG000001: ECPAS	-0.413223	2.23E-06	False
ENSG000001: FAAP24	-0.413279	0.334871	False
ENSG000001: DLAT	-0.413376	0.00046068	False
ENSG000002: FDXACB1	-0.413753	0.436541	False
ENSG000001: TMEM241	-0.413906	0.405381	False
ENSG000001: PKP3	-0.413998	0.00191377	False
ENSG000002: RXRB	-0.414036	0.00695322	False
ENSG000002: LSM14A	-0.414067	8.52E-06	False
ENSG000002: SENP3-EIF4A1	-0.414392	0.094745	False
ENSG000001: SGCA	-0.41471	0.84615	False
ENSG000001: DDX39B	-0.415614	0.00095026	False
ENSG000001: HMGCR	-0.415744	7.09E-06	False
ENSG000001: FNBP4	-0.41612	8.26E-07	False
ENSG000001: WNT6	-0.416177	0.801755	False
ENSG000001: SHC3	-0.416277	0.780451	False
ENSG000001: H4C8	-0.416324	0.806472	False
ENSG000002: SLC12A8	-0.416438	0.764901	False
ENSG000001: FKBP14	-0.416649	0.00166254	False
ENSG000001: TJP1	-0.416685	0.0229956	False
ENSG000001: EXOSC8	-0.416786	0.00241115	False
ENSG000001: C2CD2	-0.417021	0.276094	False
ENSG000002: SDHD	-0.417083	0.320388	False
ENSG000001: SIK1	-0.417461	0.308882	False
ENSG000001: PRMT6	-0.417593	0.00567615	False
ENSG000001: ZNF277	-0.417927	0.0973645	False
ENSG000002: SPIRE2	-0.417952	0.409684	False
ENSG000001: ECSIT	-0.417976	0.230399	False
ENSG000001: HM13	-0.418071	7.17E-05	False
ENSG000001: ZNF689	-0.41809	0.058563	False
ENSG000001: ZNF521	-0.418628	0.766376	False
ENSG000001: GTPBP2	-0.41911	0.28048	False
ENSG000000: POLR3E	-0.419467	0.0115606	False
ENSG000001: WDR12	-0.419556	1.87E-07	False
ENSG000001: PCOLCE	-0.419604	0.00057082	False
ENSG000001: RBM28	-0.419647	1.41E-05	False
ENSG000001: SAMD9L	-0.419758	0.778032	False
ENSG000001: LPIN1	-0.420033	0.00927334	False
ENSG000001: DDX51	-0.420129	0.0231609	False
ENSG000001: NGDN	-0.420206	1.49E-07	False
ENSG000001: MEX3C	-0.420507	0.00125607	False
ENSG000001: PNMA1	-0.421021	0.00643661	False
ENSG000001: TPRA1	-0.421102	0.211606	False
ENSG000001: JPT1	-0.421311	2.89E-10	False
ENSG000001: TTC5	-0.421319	0.101316	False
ENSG000001: CAPZA2	-0.42132	1.20E-05	False
ENSG000001: PDGFA	-0.421413	0.116684	True
ENSG000001: SELENOF	-0.421769	3.61E-05	False

ENSG000001: TMEM9	-0.421784	1.45E-08	False
ENSG000001: UBXN8	-0.421855	0.0369911	False
ENSG000002: LAT	-0.421887	0.776309	False
ENSG000000: METTL1	-0.42219	0.0327986	False
ENSG000001: DIRAS3	-0.422217	0.776936	False
ENSG000001: RPRD1B	-0.422362	0.0351836	False
ENSG000001: ZNF77	-0.422474	0.190576	False
ENSG000001: FEM1A	-0.422591	0.0932575	False
ENSG000001: CENPN	-0.422735	3.89E-05	False
ENSG000000: CTSA	-0.422828	0.0118641	False
ENSG000001: EMP3	-0.422946	0.0828407	False
ENSG000001: ZNF714	-0.42301	0.057278	False
ENSG000001: RFC3	-0.423036	5.31E-05	False
ENSG000001: SFXN4	-0.423191	0.00053627	False
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ENSG000001: DHX35	-0.423563	0.256447	False
ENSG000001: PWP1	-0.423721	3.42E-11	False
ENSG000001: GET3	-0.424182	0.116464	False
ENSG000001: SF3B3	-0.424722	9.92E-07	False
ENSG000001: POT1	-0.425105	0.0310297	False
ENSG000000: PABPC4	-0.425276	1.24E-08	False
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ENSG000001: ILKAP	-0.425757	0.0245129	False
ENSG000001: SLC5A6	-0.425847	0.0685891	False
ENSG000001: DOHH	-0.426277	0.204508	False
ENSG000001: CCDC138	-0.426344	0.00416158	False
ENSG000002: FAM209B	-0.426404	0.73812	False
ENSG000001: RANBP10	-0.426525	0.138931	False
ENSG000001: HES7	-0.426571	0.0395221	False
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ENSG000002: PDF	-0.426944	0.00132407	False
ENSG000000: ASNS	-0.427002	0.00062143	False
ENSG000001: RAE1	-0.427081	2.98E-09	False
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ENSG000002: DCP1A	-0.428349	0.0095684	False
ENSG000000: ZNF839	-0.429001	0.155736	False
ENSG000001: NBPFF6	-0.429079	0.606189	False
ENSG000002: ATXN7L3B	-0.429483	0.0140427	False
ENSG000000: KLF6	-0.429496	0.00090826	False
ENSG000001: RAB3D	-0.429654	0.0730448	False
ENSG000001: MIX23	-0.430096	0.157787	False
ENSG000000: PHF23	-0.430375	0.00364998	False
ENSG000001: USP21	-0.430396	0.355115	False
ENSG000001: PRKAR1B	-0.430646	0.431348	False
ENSG000001: FOXD3	-0.431069	0.667606	False
ENSG000001: FOLR1	-0.431117	0.546976	False
ENSG000000: POLR1A	-0.431406	0.00799368	False
ENSG000000: CLNS1A	-0.431407	3.97E-07	False
ENSG000001: ZNRD2	-0.431769	0.082439	False
ENSG000001: ZMYM1	-0.431776	0.177498	False

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ENSG000001010000001	SLX4IP	-0.432184	0.405606	False
ENSG000000010000000	DEPDC1B	-0.432203	0.00014258	False
ENSG000000010000000	RNF40	-0.432512	0.00371143	False
ENSG000000010000000	ZFR	-0.432572	0.00039228	False
ENSG000000010000000	GNRH1	-0.432702	0.728889	False
ENSG000000010000000	EMC2	-0.432784	0.00421242	False
ENSG000000010000000	PTGFR	-0.433074	0.765799	False
ENSG000000020000000	PCDHGA8	-0.433464	0.525216	False
ENSG000000010000000	PCSK4	-0.433509	0.845721	False
ENSG000000010000000	PYGO2	-0.433709	0.0025118	False
ENSG000000010000000	HAT1	-0.433836	0.00321133	False
ENSG000000010000000	XPO4	-0.433878	0.0637615	False
ENSG000000010000000	OSER1	-0.434209	0.00012316	False
ENSG000000020000000	CCDC85C	-0.434526	0.00286413	False
ENSG000000010000000	DLX1	-0.43475	0.0700393	False
ENSG000000010000000	ANP32A	-0.434988	1.50E-07	False
ENSG000000010000000	PPARGC1B	-0.435047	0.138319	False
ENSG000000010000000	C19orf54	-0.435055	0.421092	False
ENSG000000020000000	C17orf113	-0.435149	0.765711	False
ENSG000000010000000	FOXJ3	-0.435154	0.00066358	False
ENSG000000010000000	GFOD1	-0.436172	0.00829794	False
ENSG000000010000000	SMURF1	-0.436295	0.0991952	False
ENSG000000010000000	PLCG2	-0.436303	0.47521	False
ENSG000000000000000	BORCS8-MEF2	-0.436392	0.77339	False
ENSG000000020000000	MEF2B	-0.436392	0.77339	False
ENSG000000010000000	PUS1	-0.436488	0.0468542	False
ENSG000000010000000	MRPS30	-0.436768	2.50E-09	False
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ENSG000000010000000	MRPL4	-0.437196	0.0100398	False
ENSG000000010000000	ST6GALNAC4	-0.43723	0.0213943	False
ENSG000000010000000	CHSY3	-0.437313	0.571072	False
ENSG000000010000000	PDE4D	-0.437464	0.00029217	False
ENSG000000010000000	SORD	-0.437876	2.96E-07	False
ENSG000000010000000	TNNC1	-0.437949	0.591373	False
ENSG000000010000000	SHISA4	-0.438095	0.530321	False
ENSG000000010000000	DLX4	-0.43823	0.348101	False
ENSG000000010000000	RAVER1	-0.438411	0.138319	False
ENSG000000010000000	ZNF583	-0.43857	0.727785	False
ENSG000000000000000	CUL3	-0.438644	0.00101675	False
ENSG000000010000000	INTS10	-0.438972	2.09E-05	False
ENSG000000010000000	ANAPC1	-0.439309	7.21E-06	False
ENSG000000010000000	CSPP1	-0.439351	0.00685424	False
ENSG000000000000000	SCAMP1	-0.439364	2.06E-05	False
ENSG000000010000000	CMTM8	-0.439398	0.427509	False
ENSG000000000000000	SLC35C2	-0.439778	0.0163978	False
ENSG000000000000000	TDRD3	-0.440123	0.0986152	False
ENSG000000020000000	E2F4	-0.440138	0.00890365	False
ENSG000000010000000	ZNF572	-0.440407	0.747583	False
ENSG000000000000000	SEH1L	-0.440589	8.89E-06	False
ENSG000000010000000	DPF2	-0.440678	0.0529576	False
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ENSG000001: LMTK2	-0.440975	0.19976	False
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ENSG000001: VPS26C	-0.441454	0.10111	False
ENSG000001: RNF130	-0.441556	0.206531	False
ENSG000001: POU2F1	-0.441661	8.76E-06	False
ENSG000001: MAMDC2	-0.441742	0.590789	False
ENSG000000: XPO1	-0.441939	5.51E-10	False
ENSG000001: PRSS53	-0.442274	0.676123	False
ENSG000001: PPP1R26	-0.442585	0.165734	False
ENSG000001: MAFK	-0.44266	0.00050783	False
ENSG000001: MRPS12	-0.44276	5.49E-05	False
ENSG000001: DLX2	-0.4429	0.0250294	False
ENSG000001: CARNMT1	-0.442968	0.00223514	False
ENSG000001: BABAM2	-0.443056	0.30133	False
ENSG000001: TGIF2	-0.44306	0.00685424	False
ENSG000002: C1GALT1C1L	-0.443094	0.798926	False
ENSG000000: DIMT1	-0.443113	0.00014887	False
ENSG000000: PHLPP2	-0.443446	0.24147	False
ENSG000001: GMDS	-0.444358	0.115837	False
ENSG000001: F3	-0.444683	0.191124	False
ENSG000001: NUTM2A	-0.444956	0.768886	False
ENSG000001: PFAS	-0.445109	6.10E-06	False
ENSG000001: AGAP3	-0.445145	3.56E-05	False
ENSG000001: TEX36	-0.445171	0.694474	False
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ENSG000001: ZNF584	-0.445484	0.173985	False
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ENSG000000: USP36	-0.445781	0.00336899	False
ENSG000001: SYNM	-0.446075	0.0183046	False
ENSG000000: ICAM3	-0.446108	0.385996	False
ENSG000000: DLG3	-0.44618	0.0361139	False
ENSG000001: FAM83D	-0.446274	1.49E-07	False
ENSG000002: PEDS1	-0.446325	0.00135634	False
ENSG000001: WDPCP	-0.446435	0.378062	False
ENSG000001: NUP98	-0.44649	2.65E-05	False
ENSG000001: MFSD14A	-0.446834	0.00818979	False
ENSG000001: C14orf93	-0.447033	0.506557	False
ENSG000001: SELENOI	-0.448001	0.00221405	False
ENSG000001: CDC42EP1	-0.448183	0.0926413	False
ENSG000001: FAM210A	-0.448354	0.00395034	False
ENSG000001: PALM3	-0.448436	0.367497	False
ENSG000001: TBC1D9B	-0.448623	0.00014728	False
ENSG000001: SIX2	-0.448676	0.0791801	False
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ENSG000001: CD320	-0.449817	0.0146266	False
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ENSG000001011112	ZNF12	-0.450397	0.0148591	False
ENSG000001011113	MX1	-0.450504	0.86888	False
ENSG000001011114	CD226	-0.450648	0.87018	False
ENSG000001011115	IFT81	-0.451002	0.293141	False
ENSG000001011116	RGS17	-0.451145	0.696616	False
ENSG000001011117	ZNF211	-0.451362	0.439587	False
ENSG000001011118	CACNB1	-0.451371	0.48915	False
ENSG000001011119	CAMTA2	-0.451378	0.21047	False
ENSG000001011120	IFIT5	-0.451409	0.0339082	False
ENSG000001011121	CCZ1B	-0.451444	0.00870909	False
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ENSG000001011123	HES1	-0.451989	0.00021468	True
ENSG000001011124	ZFP37	-0.452098	0.261924	False
ENSG000002011125	UBE2V1	-0.452146	5.11E-06	False
ENSG000001011126	DDX11	-0.452282	0.22803	False
ENSG000001011127	TSPAN17	-0.452604	0.0858324	False
ENSG000001011128	PTPRK	-0.45271	0.0118039	False
ENSG000001011129	SQLE	-0.453085	4.51E-07	False
ENSG000001011130	WAPL	-0.453205	6.76E-05	False
ENSG000001011131	IFITM3	-0.453383	3.01E-07	False
ENSG000001011132	WNK2	-0.453964	0.450013	False
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ENSG000001011134	B4GALT5	-0.454575	5.36E-06	False
ENSG000001011135	PAK1IP1	-0.454682	0.00075535	False
ENSG000001011136	AGPAT2	-0.455068	0.0394464	False
ENSG000001011137	HOXA11	-0.455198	0.0739294	False
ENSG000001011138	PRKCA	-0.455458	0.00092188	False
ENSG000001011139	SIRT3	-0.455885	0.31457	False
ENSG000001011140	CDCA8	-0.456101	1.64E-06	False
ENSG000001011141	CTU2	-0.456131	0.242555	False
ENSG000001011142	NDUFAF4	-0.456281	6.85E-05	False
ENSG000001011143	PEDS1-UBE2V	-0.456422	4.64E-06	False
ENSG000001011144	ZMYND8	-0.456483	0.00295714	False
ENSG000002011145	PIERCE2	-0.456529	0.553893	False
ENSG000001011146	E2F8	-0.456851	0.383735	False
ENSG000001011147	EPS15L1	-0.457182	0.086067	False
ENSG000001011148	ZNF484	-0.457462	0.351551	False
ENSG000001011149	EXOC4	-0.457926	0.0352936	False
ENSG000001011150	IRF2	-0.458074	0.348092	False
ENSG000001011151	TNFSF13B	-0.458427	0.438087	False
ENSG000002011152	TIGD1	-0.458908	0.480362	False
ENSG000001011153	PIM3	-0.458998	4.13E-13	False
ENSG000001011154	NUMBL	-0.459142	0.00813598	False
ENSG000001011155	WRAP53	-0.459403	0.46415	False
ENSG000001011156	TSHZ1	-0.45953	0.0828777	False
ENSG000001011157	KLHDC7A	-0.459661	0.470106	True
ENSG000001011158	MTG1	-0.45986	0.165642	False
ENSG000001011159	DNAJA2	-0.459916	0.00080993	False
ENSG000001011160	SIM2	-0.460037	0.0591552	False
ENSG000001011161	SPAG4	-0.460075	0.821286	False
ENSG000001011162	PRMT3	-0.460158	0.0205695	False



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ENSG0000010 MPG	-0.46071	0.145635	False
ENSG0000019 AKAP6	-0.460778	0.68484	False
ENSG0000019 IMPACT	-0.460988	0.00038743	False
ENSG0000013 LIMD2	-0.461008	0.786643	False
ENSG0000016 ATAD3B	-0.461681	0.199974	False
ENSG0000010 TNPO2	-0.461762	0.00015385	False
ENSG0000027 ZNF8	-0.462032	0.114934	False
ENSG0000017 HOXD9	-0.462095	0.444584	False
ENSG0000016 NOXRED1	-0.462181	0.906078	False
ENSG0000010 RUNDC3A	-0.462181	0.906078	False
ENSG0000019 GJA1	-0.462668	0.0530944	False
ENSG0000013 BUD13	-0.462751	0.09159	False
ENSG0000019 TEAD4	-0.463162	0.144707	False
ENSG0000016 SRR	-0.463162	0.553612	False
ENSG0000010 MYBL2	-0.463224	3.61E-09	False
ENSG0000010 LYRM1	-0.463257	0.21828	False
ENSG0000019 SCAF4	-0.463485	0.45446	False
ENSG0000013 TOE1	-0.463928	0.0431824	False
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ENSG0000019 GEMIN6	-0.464915	0.0583786	False
ENSG0000016 RPUSD2	-0.464944	0.00297919	False
ENSG0000027 FTCNL1	-0.465169	0.534736	False
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ENSG0000017 ZMIZ2	-0.466403	0.00496346	False
ENSG0000020 ONECUT3	-0.466438	0.739549	False
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ENSG0000007 RUNX3	-0.466535	0.00028945	False
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ENSG0000019 SHPK	-0.466665	0.546889	False
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ENSG0000014 MARCHF1	-0.467705	0.516009	False
ENSG0000020 MBLAC1	-0.467726	0.655596	False
ENSG0000016 ZNF444	-0.468044	0.0757572	False
ENSG0000007 TOMM34	-0.468055	2.81E-07	False
ENSG0000017 MTUS1	-0.468368	0.089908	False
ENSG0000013 PLAAT4	-0.468478	0.729877	False
ENSG0000009 DPYSL2	-0.468481	4.21E-06	False
ENSG0000018 PARBP	-0.468553	0.00066753	False
ENSG0000016 COA7	-0.46863	5.13E-05	False
ENSG0000017 NT5C	-0.469002	0.0378269	False
ENSG0000017 PLAAT1	-0.469005	0.456298	False
ENSG0000010 GABPB1	-0.469518	0.00030963	False
ENSG0000010 PALS2	-0.46967	0.00096635	False
ENSG0000014 COMMD7	-0.469895	0.00079802	False
ENSG0000007 NCAPD2	-0.470316	2.55E-06	False
ENSG0000016 SUN1	-0.470378	0.00117698	False
ENSG0000013 PDE1A	-0.47125	0.73096	False
ENSG0000029 PCDHGA10	-0.471476	0.386475	False
ENSG0000017 IVD	-0.471479	0.00188981	False
ENSG0000017 SLC29A2	-0.471834	0.00241964	False

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ENSG000002: FBXO17	-0.472427	0.0123312	False
ENSG000000: SPHK2	-0.472459	0.175048	False
ENSG000001: STK26	-0.47254	3.71E-07	False
ENSG000001: CCNB2	-0.472671	1.11E-05	False
ENSG000001: FGF11	-0.472762	0.708742	False
ENSG000001: TM9SF4	-0.472819	0.0298366	False
ENSG000000: PRKAR2B	-0.472971	0.168923	False
ENSG000002: HSPA1L	-0.473084	0.615253	False
ENSG000001: ZNF547	-0.473255	0.631596	False
ENSG000002: FAM133B	-0.473338	6.29E-06	False
ENSG000001: ST3GAL4	-0.473698	0.146689	False
ENSG000001: PRIM1	-0.473896	0.13624	False
ENSG000001: NOL8	-0.473933	2.39E-05	True
ENSG000001: NUDCD2	-0.474182	5.11E-09	False
ENSG000002: NALF1	-0.474392	0.504618	False
ENSG000001: CCNB1IP1	-0.474426	0.03715	False
ENSG000001: NEIL3	-0.474658	0.108007	False
ENSG000001: SLC19A1	-0.474774	0.0614333	False
ENSG000001: KCTD15	-0.475222	0.0563986	False
ENSG000001: CPSF3	-0.475403	0.00418707	False
ENSG000001: RNF170	-0.476106	0.0220973	False
ENSG000000: SLC1A3	-0.476318	0.264743	False
ENSG000001: SMIM10L2B	-0.476495	0.902423	False
ENSG000001: NAMPT	-0.476554	1.64E-09	False
ENSG000001: ACD	-0.476738	0.234077	False
ENSG000001: ZC3H6	-0.476803	0.302882	False
ENSG000001: TBC1D31	-0.477192	0.0469513	False
ENSG000001: STAG1	-0.477296	0.00094484	False
ENSG000001: DNTTIP1	-0.477467	0.00239811	False
ENSG000001: CEBPZ	-0.478043	0.00014397	False
ENSG000001: NRBP1	-0.478284	0.0352754	False
ENSG000002: PCDHGB7	-0.478291	0.479943	False
ENSG000001: TBC1D4	-0.478631	0.00086085	False
ENSG000002: PCDHGB4	-0.478857	0.477928	False
ENSG000002: EIF6	-0.479154	4.38E-08	False
ENSG000001: FAM209A	-0.47953	0.719814	False
ENSG000001: KDM4C	-0.479599	0.293685	False
ENSG000001: SCRNI	-0.479723	0.00083254	False
ENSG000000: DNMT3B	-0.479952	0.103919	False
ENSG000001: BTBD2	-0.480101	0.0606594	False
ENSG000001: DDX17	-0.480294	9.86E-14	False
ENSG000001: LONP1	-0.480903	0.0230781	False
ENSG000001: DNHD1	-0.481204	0.811951	False
ENSG000001: CLDN12	-0.481639	0.00382398	False
ENSG000001: NR2F2	-0.482195	3.00E-12	False
ENSG000001: IGSF8	-0.482481	0.38943	False
ENSG000001: ATXN2L	-0.482862	0.23343	False
ENSG000002: RIMOC1	-0.483054	0.0185975	False
ENSG000001: SGSH	-0.483154	0.170492	False
ENSG000001: PFDN4	-0.483406	1.45E-10	False

ENSG0000013 RELCH	-0.483887	0.0682108	False
ENSG0000009 MRT04	-0.484273	2.73E-05	False
ENSG0000018 ALX1	-0.484611	0.315609	False
ENSG0000007 MCM2	-0.484859	9.97E-12	False
ENSG0000013 DSC2	-0.485331	0.00129039	False
ENSG0000010 POLR3H	-0.485448	0.00532999	False
ENSG0000014 PLPBP	-0.485732	0.00280418	False
ENSG0000014 CTDSP1	-0.485787	0.00012829	False
ENSG0000012 DTD2	-0.486146	0.00137749	False
ENSG0000008 EPB41L1	-0.486953	0.00046306	False
ENSG0000013 WDR36	-0.487163	5.60E-06	False
ENSG0000027 UBE2NL	-0.4872	0.0981289	False
ENSG0000017 ADGRE1	-0.487298	0.9003	False
ENSG0000019 TSEN2	-0.487533	0.0206934	False
ENSG0000013 THOC6	-0.487701	0.564452	False
ENSG0000012 FGFRL1	-0.487772	0.00366376	False
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ENSG0000019 ZNF121	-0.4886	7.14E-07	False
ENSG0000014 ZNF473	-0.488935	0.0950749	False
ENSG0000010 HSPB3	-0.488973	0.397458	False
ENSG0000018 C17orf58	-0.489021	0.262126	False
ENSG0000009 PHF21B	-0.48953	0.897059	False
ENSG0000017 GTF2IRD2B	-0.490013	0.0240937	False
ENSG0000018 SPRED3	-0.490271	0.900765	False
ENSG0000012 KLF16	-0.490333	0.054179	False
ENSG0000010 PWWP3A	-0.490693	1.21E-06	False
ENSG0000018 FAM3B	-0.491126	0.670477	False
ENSG0000000 ZNF263	-0.491391	0.0115241	False
ENSG0000017 SPATA24	-0.491736	0.560171	False
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ENSG0000010 ANAPC10	-0.492176	0.0497101	False
ENSG0000010 KIF3B	-0.492341	7.60E-07	False
ENSG0000014 KSR1	-0.492437	0.00221476	False
ENSG0000004 H6PD	-0.493078	0.523541	False
ENSG0000010 COG5	-0.493106	0.0153155	False
ENSG0000019 CACHD1	-0.493243	0.0710366	False
ENSG0000017 FJX1	-0.493589	0.162982	False
ENSG0000018 SLC35C1	-0.4937	0.0108329	False
ENSG0000000 MAP4K3	-0.493906	0.122645	False
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ENSG0000007 MRPS34	-0.494821	1.65E-06	False
ENSG0000010 AXIN1	-0.495211	0.107996	False
ENSG0000017 TWIST1	-0.495239	0.533698	False
ENSG0000014 IQSEC1	-0.49548	0.144737	False
ENSG0000000 GTF2IRD1	-0.49559	3.21E-06	False
ENSG0000017 FOXA1	-0.495837	0.677227	False
ENSG0000013 GAS2L3	-0.49596	0.0457104	False
ENSG0000009 KCNQ1	-0.496242	0.417516	False
ENSG0000017 PRR12	-0.496347	0.133225	False
ENSG0000010 RSKR	-0.496485	0.474777	False
ENSG0000012 USP45	-0.497052	0.0759451	False

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ENSG0000010AP1M2	-0.497618	0.00751463	False
ENSG0000000COL9A3	-0.497868	2.28E-07	False
ENSG0000010EEF2KMT	-0.497923	0.00633829	False
ENSG0000010PRKD1	-0.497981	0.474519	False
ENSG0000010UBE2M	-0.498293	0.0829061	False
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ENSG0000010USP42	-0.499228	0.00142563	False
ENSG0000020PCDHGA6	-0.499343	0.382797	False
ENSG0000010DVL1	-0.499621	6.52E-06	False
ENSG0000010B4GALT3	-0.499887	0.0002023	False
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ENSG0000010RNPEPL1	-0.500823	0.368928	False
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ENSG0000010IRX2	-0.501144	0.900765	False
ENSG0000020PCDHGA5	-0.501295	0.445186	False
ENSG0000010CCDC86	-0.501493	1.77E-06	False
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ENSG0000010NARS2	-0.502327	0.00669377	False
ENSG0000010FASTKD1	-0.502391	0.00017399	False
ENSG0000010LRPPRC	-0.502521	2.28E-14	False
ENSG0000010ZNF382	-0.502783	0.811597	False
ENSG0000010ESPNL	-0.503316	0.557223	False
ENSG0000010PRELID3B	-0.50332	7.28E-12	False
ENSG0000000GATB	-0.503413	0.231722	False
ENSG0000000PRR11	-0.503517	1.95E-09	False
ENSG0000010MEST	-0.503561	7.75E-05	False
ENSG0000010CEP112	-0.503704	0.325588	False
ENSG0000010TRIP10	-0.503717	0.0280442	False
ENSG0000010TIGD5	-0.503935	0.0333229	False
ENSG0000010PTDSS2	-0.504124	0.0551205	False
ENSG0000010NUP205	-0.504382	1.38E-06	False
ENSG0000010CHN1	-0.504556	0.137239	False
ENSG0000010ZNF573	-0.504633	0.0355283	False
ENSG0000010ADPRM	-0.504738	0.379667	False
ENSG0000010DIAPH2	-0.504738	0.0383668	False
ENSG0000010TMEM106B	-0.505015	0.00141753	False
ENSG0000010PPARGC1A	-0.505146	0.515894	False
ENSG0000010ARL6IP6	-0.505168	0.0175272	False
ENSG0000010RHPN1	-0.505368	0.696091	False
ENSG0000000ZFP64	-0.505687	3.29E-06	False
ENSG0000010TSR1	-0.505792	3.12E-09	False
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ENSG0000000AGK	-0.506016	0.0359439	False
ENSG0000010AIM2	-0.5064	0.812064	False
ENSG0000010ZFP30	-0.506796	0.125915	False
ENSG0000010ANKRD27	-0.506897	4.66E-07	False
ENSG0000010PRPF6	-0.507515	7.10E-14	False
ENSG0000010BDKRB1	-0.508156	0.848676	False
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ENSG000000: GPATCH1	-0.512188	0.0603189	False
ENSG000001: KIAA1549	-0.512543	0.00051201	False
ENSG000002: PCDHGA12	-0.513137	0.443851	False
ENSG000002: PCDHGB5	-0.513137	0.443851	False
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ENSG000001: DHX37	-0.513193	0.0892153	False
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ENSG000001: AIMP2	-0.513505	1.88E-09	False
ENSG000001: SSBP2	-0.514178	0.128827	False
ENSG000001: NME3	-0.514471	0.0920395	False
ENSG000001: NOLC1	-0.515025	3.69E-18	False
ENSG000001: CLBA1	-0.515063	0.68652	False
ENSG000001: SPATA2	-0.515361	0.107998	False
ENSG000001: PDE8B	-0.515457	0.00142246	False
ENSG000001: BAG1	-0.515831	1.67E-08	False
ENSG000001: UBE2L6	-0.515855	0.897059	False
ENSG000001: IMP4	-0.515924	0.00279308	False
ENSG000001: SPATC1L	-0.516032	0.850187	False
ENSG000001: PILRB	-0.516036	0.00048723	False
ENSG000000: GYG2	-0.516459	0.0543724	False
ENSG000001: TGM2	-0.516737	0.641527	False
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ENSG000001: CCDC181	-0.51697	0.897059	False
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ENSG000000: DPM1	-0.51703	1.11E-07	False
ENSG000001: TAX1BP1	-0.517058	3.12E-09	False
ENSG000001: STIP1	-0.517583	4.50E-11	False
ENSG000000: HDHD5	-0.517746	6.83E-05	False
ENSG000001: SLC35D2	-0.517831	0.218646	False
ENSG000001: ZNF639	-0.518019	0.00135576	False
ENSG000001: C11orf54	-0.518135	0.0238184	False
ENSG000001: TRDMT1	-0.51844	0.0656362	False
ENSG000000: EPS15	-0.518786	0.00013108	False
ENSG000001: IFITM2	-0.518805	3.10E-06	False
ENSG000001: CDCA7	-0.518901	1.76E-05	False
ENSG000001: CARD10	-0.518918	0.00959803	False
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ENSG000001: IFT52	-0.519738	0.0368086	False
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ENSG000001: ITGB8	-0.520221	2.42E-05	False
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ENSG0000016LDLRAD4	-0.522483	0.0166962	False
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ENSG0000014SLC12A9	-0.524081	0.119696	False
ENSG0000014C7orf50	-0.524193	0.00201618	False
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ENSG0000011FN1	-0.525227	2.10E-09	False
ENSG0000011MRM3	-0.525412	0.0412437	False
ENSG0000014ZNF787	-0.526307	0.0157982	False
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ENSG0000018ZFTRAF1	-0.53086	0.249824	False
ENSG0000016PLEKHJ1	-0.530874	0.0163978	False
ENSG0000016CDK5RAP1	-0.531394	0.00130637	False
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ENSG0000019HK2	-0.531481	3.50E-07	False
ENSG0000013ARHGEF39	-0.531603	0.227614	False
ENSG0000016LSM6	-0.531621	0.00812118	False
ENSG0000011BCL9	-0.531771	0.226267	False
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ENSG0000014MTFR2	-0.532279	0.00769879	False
ENSG0000011XXYL1	-0.532342	0.00064489	False
ENSG0000023GET4	-0.533547	0.0428762	False
ENSG0000013RABEPK	-0.533932	1.87E-05	False
ENSG0000016RP9	-0.534083	2.35E-05	False
ENSG0000024HBB	-0.534403	0.807609	False
ENSG0000011MAN1B1	-0.535035	0.0254706	False
ENSG0000029PCDHGA3	-0.53504	0.417523	False
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ENSG0000006CYP51A1	-0.536139	2.52E-19	False
ENSG0000006TNPO3	-0.536241	9.39E-13	False
ENSG0000026PCDHGB3	-0.536271	0.418906	False
ENSG0000019TDRD7	-0.536589	0.15013	False
ENSG0000008SMARCD3	-0.53669	0.0510471	False
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ENSG000001: GNL3	-0.537441	1.23E-13	False
ENSG000001: ZNF593	-0.537666	0.00075266	False
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ENSG000001: ZSCAN25	-0.538982	0.295471	False
ENSG000000: MPPED2	-0.539	0.0287585	False
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ENSG000001: CDK12	-0.539084	0.00023757	False
ENSG000000: DLX3	-0.539455	0.533227	False
ENSG000001: OASL	-0.539678	0.277109	False
ENSG000001: GPRC5B	-0.539734	0.304931	False
ENSG000001: ZNF205	-0.539787	0.188113	False
ENSG000002: ASPRV1	-0.539948	0.719115	False
ENSG000001: TBC1D17	-0.540118	0.30536	False
ENSG000001: PPP1R3D	-0.540274	0.0933493	False
ENSG000001: GNA12	-0.540584	0.00290684	False
ENSG000001: DPYSL4	-0.540947	0.897059	False
ENSG000001: TMEM218	-0.541744	0.0759217	False
ENSG000001: NR2C2	-0.541826	0.0002006	False
ENSG000002: TRIM59	-0.542549	0.00051316	False
ENSG000001: ANKRD13B	-0.542583	0.308254	False
ENSG000001: DIP2C	-0.542644	0.353146	False
ENSG000001: KIF26B	-0.543063	1.69E-07	False
ENSG000001: ROBO3	-0.543577	0.482408	False
ENSG000001: DIXDC1	-0.54358	0.131505	False
ENSG000001: PRLR	-0.543667	0.711029	False
ENSG000001: TAF4	-0.543997	0.041636	False
ENSG000001: OXTR	-0.544605	0.378801	False
ENSG000001: SATB2	-0.544752	0.153259	False
ENSG000000: RFX3	-0.545038	0.188484	False
ENSG000001: DMBX1	-0.5457	0.508436	False
ENSG000001: FZD2	-0.546755	0.00528959	False
ENSG000001: ZNF559	-0.54683	0.407831	False
ENSG000001: NEK4	-0.54718	0.013858	False
ENSG000001: NEUROD2	-0.547264	0.530321	False
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ENSG000001: NUP88	-0.548178	2.75E-06	False
ENSG000001: PPP1R3B	-0.548301	0.309422	False
ENSG000001: KCNJ11	-0.548973	0.845089	False
ENSG000001: FBXO41	-0.549436	0.204064	False
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ENSG0000010UTP14A	-0.553081	0.00010728	False
ENSG0000010CCDC12	-0.553193	0.00120454	False
ENSG0000010VKORC1L1	-0.553261	3.05E-05	False
ENSG0000010ZNF317	-0.553596	0.175099	False
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ENSG0000010DIS3L	-0.554172	0.00202425	False
ENSG0000010NAT10	-0.554228	6.12E-09	False
ENSG0000010MRPL50	-0.554492	0.00034068	False
ENSG0000000GEMIN5	-0.555114	2.50E-06	False
ENSG0000010HAGHL	-0.555567	0.0897572	False
ENSG0000010UBL7	-0.556119	0.19875	False
ENSG0000000DEPDC1	-0.557135	1.28E-07	False
ENSG0000010ZNF749	-0.55797	0.385771	False
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ENSG0000010HPDL	-0.558054	0.0051712	False
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ENSG0000010RPRM	-0.559015	0.00063485	False
ENSG0000010CRTC2	-0.559134	0.355496	False
ENSG0000010CYCS	-0.55929	5.75E-22	False
ENSG0000010CCDC112	-0.559409	0.00023757	False
ENSG0000010LSS	-0.559965	0.0377695	False
ENSG0000000IPCEF1	-0.560015	0.780662	False
ENSG0000010TRIM6	-0.560278	0.575481	False
ENSG0000010TNNI3	-0.560323	0.897059	False
ENSG0000010PCF11	-0.560492	4.11E-06	False
ENSG0000010KIF15	-0.560661	3.25E-05	False
ENSG0000000IFT88	-0.560671	0.261584	False
ENSG0000010C1orf109	-0.5611	0.156602	False
ENSG0000010RNFT1	-0.561137	0.304931	False
ENSG0000010BARX1	-0.561776	0.309422	False
ENSG0000010ZNF221	-0.561956	0.813817	False
ENSG0000010MPHOSPH10	-0.562172	6.36E-09	False
ENSG0000010POLD2	-0.562284	4.92E-08	False
ENSG0000010CHCHD3	-0.56248	7.33E-08	False
ENSG0000010TOGARAM2	-0.563108	0.316854	False
ENSG0000020TMX2	-0.563228	5.97E-10	False
ENSG0000010TEX29	-0.56326	0.760087	False
ENSG0000010ZMIZ1	-0.563959	0.00013119	False
ENSG0000010INTS1	-0.564017	0.389078	False
ENSG0000010AUH	-0.564231	0.0111483	False
ENSG0000000RRP12	-0.564243	0.0136322	False
ENSG0000010ZNF607	-0.565298	0.0436831	False
ENSG0000020SMN2	-0.565395	0.00481656	False
ENSG0000020CD302	-0.565813	0.344683	False
ENSG0000010RCC1	-0.566019	5.76E-10	False
ENSG0000010MAST1	-0.566114	0.216989	False
ENSG0000010STX1A	-0.566459	0.561058	False
ENSG0000000MCM6	-0.566462	2.55E-06	False



ENSG0000018LHFPL6	-0.566528	0.570629	False
ENSG0000017DLGAP5	-0.567002	1.27E-06	False
ENSG0000017PNO1	-0.567119	3.71E-07	False
ENSG0000017ZNF282	-0.567263	0.0202199	False
ENSG0000018CLN3	-0.567343	0.0436067	False
ENSG0000018IRS2	-0.568506	7.89E-08	False
ENSG0000017THG1L	-0.568651	4.08E-05	False
ENSG0000024P2RY11	-0.568697	0.6568	False
ENSG0000019KCTD18	-0.568718	0.351335	False
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ENSG0000008DOCK3	-3.09985	0.276811	False
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ENSG0000017IGFBP5	-3.11976	4.02E-48	False
ENSG0000014GALNT13	-3.12892	0.144899	False
ENSG0000026GFY	-3.13823	0.141807	False
ENSG0000019CYP2J2	-3.15553	0.139347	False
ENSG0000019TSPAN7	-3.26052	0.139662	False
ENSG0000017B3GALT1	-3.27394	0.0448869	False
ENSG0000000ITGA2B	-3.29445	0.113485	False
ENSG0000016STEAP1B	-3.3679	0.514438	False
ENSG0000017SLC9A2	-3.40538	0.0329844	False
ENSG0000017TACR1	-3.42824	2.75E-10	False
ENSG0000016C11orf65	-3.56246	0.470837	False
ENSG0000027GAGE13	-3.56906	0.146595	False
ENSG0000027GAGE12J	-3.56906	0.146595	False

ENSG000001010000001	PTN	-3.65268	1.26E-12	False
ENSG000001010000002	ADRA2A	-3.7353	0.0471231	False
ENSG000001010000003	KCNQ2	-3.75356	0.0507406	False
ENSG000001010000004	GAGE12E	-3.76834	0.0993198	False
ENSG000001010000005	GAGE12F	-3.76834	0.0993198	False
ENSG000001010000006	GAGE12G	-3.76834	0.0993198	False
ENSG000001010000007	GAGE12C	-3.76834	0.0993198	False
ENSG000001010000008	GAGE12H	-3.76834	0.0993198	False
ENSG000001010000009	GAGE12D	-3.76834	0.0993198	False
ENSG000001010000010	PCDHB12	-3.78012	0.095665	False
ENSG000001010000011	MYT1	-3.89715	0.0312761	False
ENSG000001010000012	EDA	-3.93298	0.0731293	False
ENSG000001010000013	MAGEB2	-3.97406	0.0704978	False
ENSG000001010000014	LCP1	-3.97433	0.069513	False
ENSG000001010000015	ADGRE2	-4.06208	0.0203598	False
ENSG000001010000016	TUBA3C	-4.07281	0.428688	False
ENSG000001010000017	ABCB1	-4.12864	0.0549851	False
ENSG000001010000018	CSF2RA	-4.24081	0.0356883	False
ENSG000001010000019	TMEM63C	-4.25699	0.0345193	False
ENSG000001010000020	EPB41L3	-4.51523	0.00064598	False
ENSG000001010000021	PROK2	-4.5327	0.00060564	False
ENSG000001010000022	BANK1	-4.67811	0.0102928	False
ENSG000001010000023	TAC1	-4.94851	0.00401449	False
ENSG000001010000024	CHL1	-5.10393	0.00237073	False
ENSG000001010000025	LUM	-5.10437	0.0023689	False
ENSG000001010000026	CADPS2	-5.18118	0.00057679	False
ENSG000001010000027	MYD88	-5.21192	0.00050586	False
ENSG000001010000028	TIMP3	-5.22125	9.84E-34	False
ENSG000001010000029	IQCA1	-5.76843	5.83E-05	False
ENSG000001010000030	TRIM58	-6.19229	8.13E-06	False
ENSG000001010000031	NUP210L	-6.99631	4.93E-07	False