

**Supplementary Table 2. 'FindAllMarkers' output.** cluster=cluster being compared to all other clusters; prop.1=portion of cells in cluster expressing gene; prop.2=portion of cells in all other clusters expressing gene. prop.all=portion of all cells expressing gene

gene	p_val	avg_logFC	prop.1	prop.2	p_val_adj	cluster	prop.all
ADAMTS6	0	0.261052	0.528	0.305	0	0	0.390142
APEX1	0	0.258354	0.975	0.933	0	0	0.949362
B3GAT2	0	0.484539	0.845	0.478	0	0	0.618493
BTF3	0	0.29361	0.992	0.989	0	0	0.990548
C19orf48	0	0.372028	0.823	0.541	0	0	0.648662
C1orf61	0	0.571101	0.997	0.904	0	0	0.939377
CCNB1IP1	0	0.262375	0.881	0.744	0	0	0.796098
CCND1	0	0.361711	0.824	0.491	0	0	0.618422
CCND2	0	0.471183	0.938	0.744	0	0	0.817881
CD99	0	0.256954	0.868	0.626	0	0	0.718382
CDCA7	0	0.456426	0.673	0.29	0	0	0.436445
CDK4	0	0.399563	0.941	0.754	0	0	0.825379
CDT1	0	0.384004	0.727	0.385	0	0	0.515831
CENPV	0	0.250388	0.985	0.962	0	0	0.970861
CHEK1	0	0.299926	0.689	0.435	0	0	0.531964
CLNS1A	0	0.304863	0.943	0.816	0	0	0.864539
CLSPN	3.2E-288	0.250399	0.551	0.344	1.1E-283	0	0.423119
CMBL	0	0.390926	0.802	0.525	0	0	0.630752
CNBP	0	0.303777	0.958	0.867	0	0	0.901851
COL4A6	0	0.250444	0.641	0.42	0	0	0.504353
CREB5	0	0.364634	0.734	0.427	0	0	0.544117
CTNNA1	0	0.29839	0.723	0.436	0	0	0.545503
DACH1	0	0.365732	0.843	0.563	0	0	0.669877
DCTPP1	0	0.434259	0.869	0.656	0	0	0.737572
DEK	0	0.329308	0.987	0.892	0	0	0.928219
DNMT1	0	0.33647	0.864	0.693	0	0	0.758146
DOK5	0	0.283648	0.865	0.649	0	0	0.731673
DUT	0	0.420293	0.913	0.765	0	0	0.821435
E2F1	0	0.296116	0.51	0.219	0	0	0.330337
EEF1D	0	0.345995	0.993	0.953	0	0	0.968267
EFHD1	0	0.309834	0.725	0.448	0	0	0.553641
EFNA4	0	0.254126	0.583	0.344	0	0	0.434988
EMX2	0	0.347198	0.957	0.695	0	0	0.79489
ENO1	0	0.416679	0.99	0.944	0	0	0.961871
FABP7	0	0.657822	0.954	0.74	0	0	0.821577
FBL	0	0.320788	0.851	0.634	0	0	0.716961
FGFBP3	0	0.286383	0.697	0.496	0	0	0.573221
FHL1	0	0.273177	0.916	0.785	0	0	0.83469
GAPDH	0	0.39771	0.998	0.999	0	0	0.998614
GAS1	0	0.479703	0.9	0.504	0	0	0.655378
GCSH	0	0.273462	0.936	0.829	0	0	0.869514
GGCT	0	0.312703	0.82	0.625	0	0	0.699655
GINS2	0	0.682152	0.88	0.47	0	0	0.62663
GLI3	0	0.51019	0.882	0.489	0	0	0.638854
GLO1	0	0.250035	0.931	0.824	0	0	0.864788

GMNN	0	0.265182	0.743	0.507	0	0	0.5971
GNAI2	0	0.406445	0.987	0.929	0	0	0.951317
GNL3	0	0.29496	0.748	0.551	0	0	0.626381
GPC1	0	0.360494	0.822	0.616	0	0	0.694787
GPC4	0	0.314632	0.637	0.365	0	0	0.468462
HDCC2	0	0.256089	0.857	0.701	0	0	0.760634
HELLS	0	0.522671	0.866	0.488	0	0	0.632671
HES1	0	0.432792	0.957	0.565	0	0	0.714793
HES4	0	0.30179	0.959	0.837	0	0	0.883799
HES5	0	0.446434	0.832	0.477	0	0	0.612594
HEY1	0	0.413764	0.788	0.558	0	0	0.646032
HMGA2	0	0.612446	0.947	0.562	0	0	0.709108
HMGN3	0	0.380212	0.988	0.91	0	0	0.93959
HNRNPA1	0	0.334712	0.998	0.997	0	0	0.997335
HNRNPC	0	0.295826	0.981	0.937	0	0	0.95384
HNRNPF	0	0.334906	0.955	0.865	0	0	0.899613
HNRNPM	0	0.276169	0.972	0.923	0	0	0.942006
HSP90AB1	0	0.274762	0.997	0.996	0	0	0.996411
HSPD1	0	0.407313	0.988	0.95	0	0	0.964784
HSPE1	0	0.376094	0.985	0.949	0	0	0.962439
ID3	1.3E-275	0.49055	0.661	0.477	4.5E-271	0	0.547493
ID4	0	0.691353	0.995	0.79	0	0	0.868413
IFI44L	0	0.493046	0.738	0.365	0	0	0.507303
IMPDH2	0	0.250107	0.81	0.629	0	0	0.697879
INTU	0	0.389072	0.79	0.533	0	0	0.630965
LAPTM4B	0	0.299733	0.943	0.793	0	0	0.850467
LDHB	0	0.335739	0.996	0.995	0	0	0.995096
LEF1	0	0.431616	0.807	0.465	0	0	0.595466
LINC01551	0	0.285804	0.912	0.731	0	0	0.800149
LIX1	0	0.538092	0.873	0.437	0	0	0.603426
LRRC3B	0	0.361178	0.682	0.381	0	0	0.496073
MCM2	0	0.352394	0.597	0.272	0	0	0.396503
MCM3	0	0.659342	0.858	0.428	0	0	0.591983
MCM4	0	0.464956	0.717	0.356	0	0	0.493799
MCM5	0	0.647161	0.791	0.312	0	0	0.494865
MCM6	0	0.454731	0.625	0.231	0	0	0.381507
MCM7	0	0.569362	0.954	0.669	0	0	0.77794
MPPED2	0	0.31973	0.807	0.55	0	0	0.648058
MRPL11	0	0.315839	0.882	0.695	0	0	0.76632
MSH6	0	0.460301	0.834	0.566	0	0	0.668526
MYCN	0	0.262564	0.698	0.478	0	0	0.561814
NACA	0	0.263975	0.998	0.998	0	0	0.997726
NAP1L1	0	0.441648	0.997	0.973	0	0	0.982339
NASP	0	0.565557	0.991	0.922	0	0	0.948438
NCL	0	0.311944	0.993	0.978	0	0	0.984009
NES	0	0.306658	0.763	0.496	0	0	0.598024
NHP2	0	0.271284	0.935	0.858	0	0	0.887317
NME1	0	0.280896	0.971	0.931	0	0	0.946128

NME4	0	0.38678	0.974	0.884	0	0	0.918411
NOP53	0	0.28156	0.929	0.817	0	0	0.85992
NPM1	0	0.521434	0.997	0.993	0	0	0.994421
OLFM3	0	0.278687	0.479	0.244	0	0	0.333641
PABPC1	0	0.333062	0.979	0.91	0	0	0.936143
PAICS	0	0.364097	0.917	0.711	0	0	0.789275
PARP1	0	0.266299	0.952	0.862	0	0	0.896557
PCNA	0	0.42691	0.816	0.539	0	0	0.645073
PGM1	0	0.279755	0.624	0.366	0	0	0.464163
PHGDH	0	0.261369	0.97	0.774	0	0	0.848797
PKM	0	0.312529	0.987	0.928	0	0	0.950428
PLAGL1	0	0.291615	0.669	0.458	0	0	0.538538
PNN	0	0.271894	0.974	0.917	0	0	0.938986
PPA1	0	0.285327	0.986	0.948	0	0	0.962475
PRKDC	0	0.311493	0.943	0.833	0	0	0.874702
PSAT1	0	0.257842	0.872	0.609	0	0	0.70957
PSMG1	0	0.272526	0.678	0.445	0	0	0.534096
PXMP2	0	0.256734	0.839	0.653	0	0	0.723997
QKI	0	0.306152	0.875	0.645	0	0	0.733094
RACK1	0	0.35942	0.999	0.997	0	0	0.99769
RAN	0	0.257736	0.993	0.987	0	0	0.989517
RANBP1	0	0.284889	0.987	0.952	0	0	0.96546
RCN1	0	0.292198	0.906	0.637	0	0	0.739846
RFC1	0	0.27056	0.82	0.641	0	0	0.709108
RFC2	0	0.287518	0.673	0.423	0	0	0.518603
RFC4	0	0.279819	0.703	0.487	0	0	0.569738
RPA3	0	0.266838	0.853	0.644	0	0	0.724068
RPL10A	0	0.344648	0.997	0.996	0	0	0.996233
RPL12	0	0.383081	0.998	0.996	0	0	0.99634
RPL13	0	0.321505	1	1	0	0	0.99968
RPL13A	0	0.250208	0.994	0.983	0	0	0.987456
RPL14	0	0.267442	0.998	0.996	0	0	0.996979
RPL17	0	0.300208	0.923	0.797	0	0	0.845066
RPL18	0	0.252869	0.998	0.998	0	0	0.998294
RPL18A	0	0.34342	0.999	0.998	0	0	0.99865
RPL19	0	0.291706	0.998	0.999	0	0	0.998579
RPL21	0	0.297437	0.998	0.995	0	0	0.99634
RPL22	0	0.314794	0.997	0.995	0	0	0.995736
RPL23A	0	0.341276	0.995	0.993	0	0	0.993781
RPL26	0	0.291676	0.998	0.997	0	0	0.997584
RPL27A	0	0.295508	0.995	0.99	0	0	0.991791
RPL28	0	0.265523	0.998	0.998	0	0	0.998117
RPL29	0	0.271273	0.998	0.998	0	0	0.997903
RPL3	0	0.279644	1	0.999	0	0	0.999289
RPL30	0	0.251038	0.998	0.998	0	0	0.998259
RPL32	0	0.260207	0.999	0.999	0	0	0.998614
RPL35	0	0.364599	0.999	0.997	0	0	0.99737
RPL35A	0	0.267992	0.999	0.998	0	0	0.998081

RPL36	0	0.272069	0.997	0.997	0	0	0.997122
RPL36A	0	0.296397	0.985	0.953	0	0	0.965246
RPL39	0	0.263652	0.999	0.998	0	0	0.998081
RPL4	0	0.306139	0.995	0.992	0	0	0.99339
RPL41	0	0.340001	0.999	0.999	0	0	0.998934
RPL5	0	0.347987	0.999	0.998	0	0	0.998508
RPL6	0	0.295758	0.999	0.998	0	0	0.998543
RPL7	0	0.337002	0.995	0.987	0	0	0.990157
RPL7A	0	0.322117	0.999	0.999	0	0	0.998969
RPL8	0	0.341218	0.999	0.998	0	0	0.998223
RPL9	0	0.264762	0.998	0.998	0	0	0.998046
RPLP0	0	0.401949	0.997	0.993	0	0	0.994172
RPLP1	0	0.282645	0.999	0.999	0	0	0.998969
RPS10	0	0.256835	0.995	0.992	0	0	0.993106
RPS12	0	0.26036	0.998	0.998	0	0	0.998436
RPS14	0	0.33152	0.999	0.999	0	0	0.998792
RPS15	0	0.356295	0.999	0.999	0	0	0.998934
RPS15A	0	0.299579	0.998	0.998	0	0	0.99801
RPS16	0	0.273974	0.996	0.992	0	0	0.993497
RPS18	0	0.34639	0.999	0.999	0	0	0.999041
RPS19	0	0.298337	0.999	0.999	0	0	0.999076
RPS2	0	0.416564	0.999	0.999	0	0	0.998934
RPS21	0	0.279848	0.995	0.988	0	0	0.990477
RPS23	0	0.309696	0.999	0.998	0	0	0.998294
RPS24	0	0.331244	0.999	0.999	0	0	0.998969
RPS25	0	0.281716	0.995	0.996	0	0	0.995558
RPS27A	0	0.289611	0.998	0.999	0	0	0.998365
RPS27L	0	0.46721	0.981	0.855	0	0	0.903415
RPS29	0	0.28119	0.996	0.996	0	0	0.996269
RPS3	0	0.329656	0.999	0.999	0	0	0.998792
RPS3A	0	0.312466	0.999	0.999	0	0	0.998721
RPS5	0	0.283696	0.998	0.996	0	0	0.996979
RPS6	0	0.418634	0.999	0.997	0	0	0.997513
RPS7	0	0.368616	0.998	0.998	0	0	0.997974
RPS8	0	0.295041	0.999	0.999	0	0	0.998863
RPS9	0	0.269717	0.998	0.997	0	0	0.997619
RPSA	0	0.348568	0.998	0.997	0	0	0.997548
RSL1D1	0	0.303022	0.914	0.784	0	0	0.833837
SERBP1	0	0.298013	0.993	0.972	0	0	0.979709
SFRP1	0	0.670827	0.979	0.66	0	0	0.781991
SIVA1	0	0.271446	0.941	0.81	0	0	0.860168
SNRPA	0	0.27573	0.818	0.639	0	0	0.707331
SNRPB	0	0.411829	0.984	0.877	0	0	0.917842
SNRPD1	0	0.334922	0.983	0.944	0	0	0.95885
SNRPD2	0	0.299644	0.967	0.896	0	0	0.922888
SNRPF	0	0.260965	0.983	0.954	0	0	0.965069
SOX2	0	0.476429	0.984	0.576	0	0	0.731815
SOX3	0	0.395514	0.814	0.462	0	0	0.596247

SRSF2	0	0.284803	0.975	0.906	0	0	0.932696
SRSF7	0	0.28417	0.984	0.948	0	0	0.961586
STOX1	0	0.314604	0.553	0.275	0	0	0.38101
SYNE2	0	0.320881	0.956	0.846	0	0	0.88785
TLE4	0	0.333505	0.844	0.581	0	0	0.681106
TMEM123	0	0.319579	0.81	0.529	0	0	0.636402
TMEM161E	0	0.432036	0.922	0.69	0	0	0.778473
TPD52L1	0	0.314154	0.522	0.305	0	0	0.387655
TPI1	0	0.28109	0.986	0.954	0	0	0.966206
TTYH1	0	0.623674	0.992	0.769	0	0	0.85395
UHRF1	0	0.339177	0.55	0.268	0	0	0.375928
UNG	0	0.511664	0.684	0.285	0	0	0.437191
VCAN	0	0.496879	0.95	0.673	0	0	0.778437
VIM	0	0.529387	0.999	0.926	0	0	0.953875
ZFP36L1	0	0.499358	0.929	0.543	0	0	0.690807
AL031777.	0	0.316178	0.374	0.025	0	1	0.112967
ANLN	0	0.251226	0.408	0.07	0	1	0.154934
ANP32B	0	0.321327	0.974	0.861	0	1	0.889663
ANP32E	0	0.610188	0.955	0.684	0	1	0.751857
APOLD1	0	0.284317	0.366	0.044	0	1	0.125369
ARHGAP11	0	0.375294	0.504	0.084	0	1	0.189581
ARL6IP1	0	0.80341	0.825	0.633	0	1	0.681248
ASPM	0	1.158701	0.828	0.17	0	1	0.335383
ATAD2	0	0.427156	0.728	0.321	0	1	0.423048
AURKA	0	0.644328	0.528	0.064	0	1	0.180626
AURKB	0	0.924017	0.828	0.104	0	1	0.286344
B3GAT2	0	0.268148	0.852	0.54	0	1	0.618493
BIRC5	0	1.101768	0.94	0.3	0	1	0.460822
BRCA1	0	0.251146	0.599	0.255	0	1	0.341708
BTG3	0	0.355211	0.899	0.633	0	1	0.699833
BUB1	0	0.395171	0.462	0.051	0	1	0.154721
BUB1B	0	0.521481	0.651	0.111	0	1	0.246473
BUB3	0	0.569225	0.849	0.574	0	1	0.643367
C21orf58	0	0.568811	0.784	0.249	0	1	0.383959
CCDC18	0	0.321111	0.51	0.13	0	1	0.225863
CCDC34	0	0.338277	0.814	0.509	0	1	0.58548
CCNA2	0	0.768302	0.764	0.107	0	1	0.272272
CCNB1	0	1.277247	0.745	0.192	0	1	0.330905
CCNB2	0	1.041669	0.814	0.299	0	1	0.428414
CDC20	0	1.159838	0.661	0.143	0	1	0.273089
CDC25B	0	0.369799	0.518	0.142	0	1	0.23631
CDCA2	0	0.433198	0.512	0.052	0	1	0.167762
CDCA3	0	0.816708	0.664	0.057	0	1	0.209978
CDCA4	0	0.394772	0.693	0.277	0	1	0.381792
CDCA5	0	0.478576	0.68	0.126	0	1	0.265662
CDCA8	0	0.593733	0.599	0.06	0	1	0.195729
CDK1	0	1.022704	0.854	0.185	0	1	0.353506
CDK5RAP2	0	0.316607	0.705	0.37	0	1	0.454071

CDKN3	0	0.895766	0.79	0.224	0	1	0.366796
CENPA	0	0.666866	0.527	0.068	0	1	0.183576
CENPE	0	0.863569	0.664	0.111	0	1	0.250133
CENPF	0	1.553067	0.963	0.422	0	1	0.558473
CENPH	0	0.461174	0.889	0.475	0	1	0.579404
CENPK	0	0.409156	0.751	0.302	0	1	0.415408
CENPM	0	0.447293	0.762	0.273	0	1	0.396112
CENPN	0	0.322762	0.611	0.2	0	1	0.303649
CENPU	0	0.486037	0.908	0.45	0	1	0.564976
CENPW	0	0.527403	0.869	0.396	0	1	0.515085
CEP135	0	0.27301	0.536	0.17	0	1	0.262393
CEP55	0	0.395893	0.499	0.065	0	1	0.173945
CHEK1	0	0.255426	0.764	0.454	0	1	0.531964
CIP2A	0	0.30014	0.529	0.134	0	1	0.233716
CKAP2	0	0.753547	0.838	0.329	0	1	0.457375
CKAP2L	0	0.520427	0.59	0.063	0	1	0.195551
CKAP5	0	0.369328	0.721	0.403	0	1	0.48289
CKB	0	0.305869	1	0.994	0	1	0.995451
CKS1B	0	1.026665	0.969	0.513	0	1	0.627519
CKS2	0	1.242735	0.953	0.576	0	1	0.670587
CLSPN	0	0.257344	0.651	0.346	0	1	0.423119
CMC2	0	0.267763	0.761	0.456	0	1	0.532923
CNTRL	0	0.303489	0.633	0.303	0	1	0.386127
DBF4	0	0.562442	0.786	0.348	0	1	0.457908
DCP2	0	0.271254	0.669	0.356	0	1	0.434775
DCXR	0	0.396699	0.909	0.726	0	1	0.772218
DDX39A	0	0.414007	0.809	0.487	0	1	0.568068
DEK	0	0.431539	0.992	0.907	0	1	0.928219
DEPDC1	0	0.389099	0.481	0.059	0	1	0.164955
DEPDC1B	0	0.450701	0.609	0.124	0	1	0.246331
DHFR	0	0.351157	0.722	0.398	0	1	0.479727
DIAPH3	0	0.25165	0.43	0.086	0	1	0.17256
DLGAP5	0	0.993502	0.749	0.107	0	1	0.268718
DMRTA2	0	0.424293	0.881	0.569	0	1	0.64756
DNAJC9	0	0.254986	0.819	0.535	0	1	0.606766
DTYMK	0	0.516434	0.923	0.59	0	1	0.673715
DUT	4.6E-286	0.294117	0.946	0.779	1.5E-281	1	0.821435
ECI1	0	0.257593	0.875	0.583	0	1	0.656444
ECT2	0	0.604287	0.67	0.144	0	1	0.276358
EFHD1	0	0.252975	0.787	0.475	0	1	0.553641
EGR1	1.8E-301	0.260882	0.632	0.374	6.2E-297	1	0.439075
EMC9	0	0.318182	0.62	0.295	0	1	0.376746
EMX2	0	0.291227	0.953	0.742	0	1	0.79489
ESCO2	0	0.348239	0.519	0.09	0	1	0.197648
EXOSC8	0	0.285838	0.889	0.649	0	1	0.709321
EZH2	0	0.288561	0.882	0.645	0	1	0.704488
FAM83D	0	0.311347	0.392	0.05	0	1	0.135816
FANCD2	0	0.262961	0.474	0.117	0	1	0.207171



FANCI	0	0.322433	0.612	0.207	0	1	0.308909
FBLN1	0	0.333255	0.948	0.722	0	1	0.779041
FBXO5	0	0.526968	0.727	0.26	0	1	0.377705
FOS	0	0.428869	0.802	0.561	0	1	0.621904
FOXM1	0	0.45548	0.649	0.094	0	1	0.233716
GAS1	0	0.421882	0.916	0.568	0	1	0.655378
GMNN	0	0.323035	0.86	0.509	0	1	0.5971
GPSM2	0	0.335332	0.511	0.183	0	1	0.265698
GTSE1	0	0.855096	0.76	0.103	0	1	0.268292
H1FX	0	0.389238	0.993	0.979	0	1	0.982197
H2AFV	0	0.49509	0.982	0.857	0	1	0.888312
H2AFX	0	1.056073	0.974	0.542	0	1	0.651185
H2AFZ	0	0.704365	0.999	0.989	0	1	0.991791
HES1	0	0.588123	0.962	0.632	0	1	0.714793
HES4	0	0.331139	0.96	0.858	0	1	0.883799
HIST1H1B	0	1.391401	0.738	0.083	0	1	0.248108
HIST1H1C	0	1.154177	0.764	0.286	0	1	0.406098
HIST1H1D	0	1.04101	0.66	0.114	0	1	0.251661
HIST1H1E	0	0.730787	0.674	0.174	0	1	0.300025
HIST1H2AG	0	0.551123	0.582	0.076	0	1	0.203546
HIST1H2AJ	0	0.325203	0.392	0.026	0	1	0.118297
HIST1H2AL	0	0.334519	0.387	0.025	0	1	0.116023
HIST1H2BH	0	0.509049	0.688	0.165	0	1	0.296223
HIST1H3B	0	0.616467	0.594	0.046	0	1	0.184144
HIST1H3G	0	0.268761	0.348	0.03	0	1	0.110337
HIST1H4C	0	2.432767	0.972	0.944	0	1	0.951068
HIST2H2AC	0	0.898411	0.715	0.192	0	1	0.323869
HJURP	0	0.50655	0.598	0.065	0	1	0.19946
HMGA2	0	0.29868	0.94	0.631	0	1	0.709108
HMGB1	0	0.582869	1	0.998	0	1	0.998543
HMGB2	0	1.494623	0.99	0.567	0	1	0.673501
HMGB3	0	0.44997	0.968	0.881	0	1	0.902882
HMGN2	0	0.632578	1	0.982	0	1	0.986816
HMGN3	0	0.273704	0.988	0.923	0	1	0.93959
HMGN5	0	0.266576	0.692	0.375	0	1	0.454994
HMMR	0	0.600792	0.588	0.089	0	1	0.214882
HNRNPA2B	0	0.337643	0.998	0.996	0	1	0.996553
HNRNPH3	0	0.2554	0.983	0.954	0	1	0.961373
ID1	3.4E-304	0.301147	0.675	0.403	1.2E-299	1	0.471128
ID3	3.9E-192	0.294034	0.715	0.491	1.3E-187	1	0.547493
ID4	0	0.335117	0.994	0.826	0	1	0.868413
IER2	0	0.372971	0.87	0.682	0	1	0.729185
INCENP	0	0.269063	0.42	0.075	0	1	0.161935
ITGB3BP	0	0.317644	0.719	0.345	0	1	0.439217
KIF11	0	0.630961	0.729	0.134	0	1	0.283821
KIF14	0	0.280241	0.361	0.036	0	1	0.117658
KIF15	0	0.532645	0.697	0.142	0	1	0.282115
KIF18A	0	0.341442	0.461	0.068	0	1	0.166981

KIF20A	0	0.267353	0.357	0.028	0	1	0.110373
KIF20B	0	0.686921	0.773	0.239	0	1	0.373476
KIF22	0	0.667653	0.843	0.321	0	1	0.452471
KIF23	0	0.575936	0.633	0.089	0	1	0.225436
KIF2C	0	0.570161	0.614	0.068	0	1	0.205536
KIF4A	0	0.497028	0.589	0.087	0	1	0.213461
KIFC1	0	0.768061	0.797	0.108	0	1	0.281653
KNL1	0	0.478105	0.564	0.078	0	1	0.200277
KNSTRN	0	0.534153	0.622	0.193	0	1	0.300771
KPNA2	0	1.342627	0.927	0.619	0	1	0.696741
LBR	0	0.355516	0.844	0.601	0	1	0.662485
LIX1	0	0.289126	0.875	0.512	0	1	0.603426
LMNB1	0	0.398554	0.882	0.605	0	1	0.674638
MAD2L1	0	0.868358	0.949	0.366	0	1	0.51281
MELK	0	0.336684	0.552	0.112	0	1	0.22302
MGME1	0	0.271944	0.656	0.301	0	1	0.390285
MIS18A	0	0.296034	0.756	0.404	0	1	0.492662
MIS18BP1	0	0.731123	0.825	0.263	0	1	0.404321
MKI67	0	1.258673	0.91	0.208	0	1	0.384386
MND1	0	0.469659	0.74	0.211	0	1	0.344195
MRPL51	0	0.264488	0.97	0.912	0	1	0.926406
MXD3	0	0.706838	0.713	0.089	0	1	0.24626
MYBL2	0	0.542738	0.744	0.245	0	1	0.370349
MZT1	0	0.433293	0.756	0.413	0	1	0.499485
NAP1L1	0	0.272206	0.997	0.977	0	1	0.982339
NCAPD2	0	0.399733	0.586	0.138	0	1	0.251199
NCAPG	0	0.622431	0.75	0.145	0	1	0.297075
NCAPH	0	0.30445	0.477	0.075	0	1	0.176362
NDC80	0	0.761521	0.768	0.102	0	1	0.269464
NEK2	0	0.484688	0.467	0.053	0	1	0.157599
NUCKS1	0	0.54983	0.993	0.97	0	1	0.976049
NUDCD2	0	0.448029	0.847	0.616	0	1	0.674034
NUDT1	0	0.29047	0.937	0.745	0	1	0.793398
NUF2	0	0.745014	0.766	0.116	0	1	0.279414
NUSAP1	0	1.414172	0.964	0.309	0	1	0.473615
OIP5	0	0.265502	0.45	0.094	0	1	0.18354
ORC6	0	0.460142	0.875	0.43	0	1	0.542127
PAX6	0	0.386851	0.932	0.653	0	1	0.722753
PBK	0	0.851778	0.865	0.151	0	1	0.330763
PCLAF	0	0.79186	0.954	0.484	0	1	0.602075
PHF19	0	0.26941	0.566	0.222	0	1	0.308731
PHGDH	0	0.495391	0.985	0.803	0	1	0.848797
PIF1	0	0.640072	0.376	0.029	0	1	0.116414
PIMREG	0	1.003118	0.89	0.206	0	1	0.378451
PLK1	0	0.870417	0.551	0.074	0	1	0.19381
POC1A	0	0.300141	0.536	0.128	0	1	0.230766
PRC1	0	0.572711	0.683	0.132	0	1	0.270815
PRR11	0	0.415706	0.517	0.089	0	1	0.197115



PSAT1	0	0.336663	0.921	0.638	0	1	0.70957
PSIP1	0	0.274445	0.985	0.957	0	1	0.963789
PSRC1	0	0.669108	0.587	0.101	0	1	0.223269
PTTG1	0	1.231729	0.942	0.427	0	1	0.556412
PXMP2	7E-291	0.255352	0.878	0.672	2.4E-286	1	0.723997
RACGAP1	0	0.472335	0.593	0.091	0	1	0.217014
RAD21	0	0.41825	0.883	0.672	0	1	0.72517
RAD51AP1	0	0.454086	0.707	0.228	0	1	0.348566
RANBP1	0	0.273731	0.992	0.957	0	1	0.96546
RBMX	0	0.261095	0.978	0.939	0	1	0.948971
RHEB	0	0.26558	0.949	0.862	0	1	0.883551
RHNO1	0	0.253197	0.615	0.304	0	1	0.382147
RPA3	0	0.31858	0.923	0.657	0	1	0.724068
RRM1	0	0.33318	0.844	0.527	0	1	0.606446
RRM2	0	0.445479	0.643	0.149	0	1	0.273267
RTKN2	0	0.475958	0.668	0.138	0	1	0.271348
SAE1	0	0.250262	0.807	0.549	0	1	0.614122
SAP30	0	0.34752	0.868	0.63	0	1	0.689528
SAPCD2	0	0.369327	0.434	0.081	0	1	0.17025
SEPHS1	0	0.293643	0.838	0.615	0	1	0.671049
SFPQ	3.4E-254	0.254139	0.98	0.967	1.1E-249	1	0.97047
SFRP1	0	0.401899	0.974	0.717	0	1	0.781991
SGO1	0	0.605276	0.735	0.135	0	1	0.286095
SGO2	0	0.838674	0.673	0.102	0	1	0.246082
SKA2	0	0.29021	0.926	0.795	0	1	0.827831
SKA3	0	0.321424	0.507	0.088	0	1	0.193277
SMC2	0	0.595246	0.895	0.398	0	1	0.523222
SMC4	0	0.904859	0.93	0.443	0	1	0.565829
SNRPB	0	0.279905	0.987	0.895	0	1	0.917842
SOX2	0	0.471994	0.973	0.651	0	1	0.731815
SOX3	0	0.314683	0.851	0.51	0	1	0.596247
SPAG5	0	0.317872	0.505	0.089	0	1	0.193312
SPC24	0	0.275419	0.444	0.071	0	1	0.164777
SPC25	0	0.756278	0.819	0.118	0	1	0.29473
SPDL1	0	0.276432	0.507	0.161	0	1	0.24825
TACC3	0	0.496576	0.62	0.087	0	1	0.221172
TK1	0	0.313823	0.58	0.166	0	1	0.270495
TMEM123	0	0.294267	0.859	0.561	0	1	0.636402
TMPO	0	0.531404	0.956	0.78	0	1	0.824455
TOP2A	0	1.683864	0.948	0.253	0	1	0.427845
TPX2	0	1.11961	0.859	0.174	0	1	0.346256
TRIP13	0	0.258309	0.492	0.123	0	1	0.2157
TROAP	0	0.387615	0.482	0.094	0	1	0.19182
TTK	0	0.564736	0.619	0.071	0	1	0.208806
TTYH1	0	0.322759	0.99	0.808	0	1	0.85395
TUBA1B	0	0.774712	1	0.99	0	1	0.992538
TUBB4B	0	1.182369	0.983	0.846	0	1	0.880424
TUBB6	0	0.472898	0.711	0.275	0	1	0.384635

TYMS	0	0.58389	0.917	0.532	0	1	0.628904
UBE2C	0	1.71452	0.914	0.195	0	1	0.376248
UBE2S	0	0.846653	0.975	0.819	0	1	0.858178
UBE2T	0	0.74306	0.945	0.548	0	1	0.648236
USP1	0	0.318603	0.869	0.585	0	1	0.656373
VIM	0	0.455136	1	0.938	0	1	0.953875
VRK1	0	0.301515	0.809	0.453	0	1	0.542767
WEE1	0	0.268746	0.657	0.318	0	1	0.402971
XRCC2	0	0.262616	0.523	0.186	0	1	0.270815
ZFP36L1	0	0.282576	0.913	0.616	0	1	0.690807
ZWINT	0	0.537597	0.847	0.29	0	1	0.430582
MARCH6	2.5E-253	0.27809	0.804	0.697	8.4E-249	2	0.716997
SEPT3	0	0.610059	0.773	0.376	0	2	0.449842
SEPT6	0	0.459559	0.582	0.3	0	2	0.352475
AAK1	0	0.450546	0.758	0.498	0	2	0.546356
AASDHPPT	0	0.319311	0.782	0.641	0	2	0.666892
ABRACL	0	0.933438	0.941	0.657	0	2	0.70925
AC004158.	0	0.715554	0.507	0.018	0	2	0.108347
AC009414.	0	0.283667	0.414	0.155	0	2	0.203262
ACAP3	0	0.279127	0.488	0.225	0	2	0.273906
ACAT2	0	0.453288	0.981	0.939	0	2	0.946413
ACLY	0	0.338955	0.694	0.491	0	2	0.528979
ACOT7	0	0.395256	0.74	0.469	0	2	0.519313
ACSL4	0	0.252015	0.383	0.149	0	2	0.192282
ACTB	0	0.591032	1	0.998	0	2	0.998614
ACTL6B	0	0.576973	0.623	0.066	0	2	0.169468
ACTR10	0	0.307818	0.698	0.489	0	2	0.52802
ACTR1A	0	0.412298	0.812	0.572	0	2	0.616929
ADGRB2	0	0.306546	0.567	0.348	0	2	0.388401
ADGRG1	5.7E-295	0.337206	0.691	0.506	1.9E-290	2	0.539959
AES	0	0.289897	0.959	0.896	0	2	0.907502
AFAP1	0	0.268328	0.377	0.128	0	2	0.17391
AFDN	0	0.377555	0.923	0.817	0	2	0.837106
AFF3	4.7E-233	0.252935	0.462	0.273	1.6E-228	2	0.308091
AGAP1	0	0.298652	0.553	0.307	0	2	0.352688
AGAP3	3E-304	0.262724	0.537	0.311	1E-299	2	0.353008
AHDC1	0	0.275786	0.419	0.157	0	2	0.205679
AKAP14	0	0.255785	0.284	0.025	0	2	0.072919
AKAP6	0	0.269605	0.356	0.071	0	2	0.123485
AKAP9	0	0.540269	0.947	0.797	0	2	0.825237
AKR1C1	0	0.307133	0.379	0.055	0	2	0.115312
AKT3	0	0.662552	0.76	0.335	0	2	0.413596
AL356479.	0	0.317849	0.205	0.003	0	2	0.040155
AL391807.	7.9E-245	0.299649	0.514	0.322	2.7E-240	2	0.35745
ALDH2	3.4E-252	0.303384	0.806	0.7	1.1E-247	2	0.719306
AMER2	0	0.844135	0.792	0.159	0	2	0.275967
AMN1	0	0.329344	0.459	0.144	0	2	0.202658
ANK2	0	0.343524	0.455	0.167	0	2	0.220035

ANK3	0	0.856174	0.83	0.175	0	2	0.296294
ANKRD12	0	0.382754	0.905	0.752	0	2	0.780569
ANKRD46	0	0.273539	0.585	0.348	0	2	0.392061
AP1S1	2.4E-275	0.275034	0.819	0.709	8.1E-271	2	0.729043
AP2B1	1.1E-228	0.261413	0.754	0.641	3.6E-224	2	0.661952
APBA2	2.9E-262	0.255472	0.574	0.374	9.7E-258	2	0.411393
APBB1	0	0.315698	0.573	0.307	0	2	0.356171
APC	0	0.356858	0.684	0.451	0	2	0.494261
APC2	0	0.456756	0.722	0.349	0	2	0.418322
APLP1	0	0.983597	0.955	0.546	0	2	0.621833
APP	5.3E-271	0.276181	0.804	0.69	1.8E-266	2	0.711275
ARF3	0	0.367618	0.729	0.533	0	2	0.569489
ARF4	0	0.366618	0.88	0.735	0	2	0.761736
ARHGAP21	0	0.394019	0.799	0.605	0	2	0.640667
ARHGEF12	7.6E-299	0.275613	0.528	0.307	2.6E-294	2	0.348353
ARHGEF2	0	0.303728	0.488	0.21	0	2	0.261291
ARHGEF9	0	0.354502	0.67	0.411	0	2	0.459223
ARL4D	0	0.733552	0.712	0.308	0	2	0.383142
ARL8A	0	0.410732	0.734	0.446	0	2	0.499058
ARMCX3	1.4E-259	0.262793	0.709	0.537	4.8E-255	2	0.568672
ARPC2	0	0.308858	0.974	0.946	0	2	0.951246
ARPC3	0	0.310337	0.979	0.946	0	2	0.951636
ARPC5	0	0.395044	0.901	0.786	0	2	0.80715
ASXL3	0	0.253951	0.402	0.149	0	2	0.196084
ATAT1	0	0.411227	0.743	0.455	0	2	0.508546
ATCAY	0	0.499442	0.764	0.4	0	2	0.467787
ATL1	0	0.359563	0.692	0.403	0	2	0.456807
ATOX1	6E-241	0.259756	0.896	0.85	2E-236	2	0.858569
ATP1A3	0	0.592314	0.669	0.128	0	2	0.228492
ATP1B3	1.3E-284	0.290265	0.936	0.884	4.3E-280	2	0.894069
ATP5F1B	0	0.275807	0.992	0.981	0	2	0.982836
ATP5F1E	0	0.300339	0.996	0.991	0	2	0.992147
ATP5MD	0	0.32618	0.961	0.925	0	2	0.931559
ATP5PF	0	0.264995	0.99	0.979	0	2	0.980953
ATP5PO	0	0.276563	0.978	0.957	0	2	0.96052
ATP6AP2	1.1E-240	0.26228	0.78	0.659	3.7E-236	2	0.681426
ATP6V0A1	0	0.285665	0.529	0.282	0	2	0.32792
ATP6V0B	0	0.727857	0.982	0.817	0	2	0.847873
ATP6V0D1	0	0.341064	0.729	0.498	0	2	0.54067
ATP6V0E2	0	0.731572	0.943	0.657	0	2	0.710103
ATP6V1A	0	0.272667	0.444	0.182	0	2	0.230589
ATP6V1F	0	0.479312	0.975	0.915	0	2	0.926122
ATP6V1G1	0	0.565999	0.993	0.962	0	2	0.967983
ATP6V1G2	0	0.439348	0.571	0.161	0	2	0.237376
ATP6V1H	0	0.259656	0.547	0.311	0	2	0.354749
ATP8A2	0	0.269114	0.338	0.087	0	2	0.133933
ATP9A	0	0.264148	0.455	0.2	0	2	0.247219
ATRX	0	0.365536	0.933	0.875	0	2	0.885612

ATXN7L3B	0	0.389182	0.909	0.789	0	2	0.811698
AUTS2	0	1.169348	0.878	0.461	0	2	0.538431
B3GAT1	0	0.719248	0.74	0.194	0	2	0.294979
BAD	4.8E-275	0.276254	0.791	0.66	1.6E-270	2	0.68402
BAG6	1.4E-240	0.255869	0.734	0.595	4.7E-236	2	0.621051
BAIAP2-DT	0	0.344392	0.49	0.211	0	2	0.262251
BASP1	0	0.695902	0.999	0.993	0	2	0.993995
BCHE	0	0.696419	0.418	0.049	0	2	0.117124
BCL11A	0	0.782284	0.956	0.803	0	2	0.831776
BCL11B	0	0.84779	0.806	0.237	0	2	0.342063
BCL7A	0	0.398756	0.835	0.647	0	2	0.681959
BEX1	0	0.480539	0.991	0.935	0	2	0.945524
BEX2	0	0.69321	0.963	0.819	0	2	0.845848
BEX4	0	0.295072	0.941	0.889	0	2	0.898937
BHLHE22	0	1.258411	0.667	0.028	0	2	0.146406
BICD1	0	0.623165	0.797	0.39	0	2	0.465691
BLCAP	0	0.306378	0.604	0.325	0	2	0.376532
BLOC1S1	0	0.34085	0.929	0.865	0	2	0.876444
BRD3	1.4E-283	0.287111	0.837	0.722	4.8E-279	2	0.743755
BR13	0	0.284213	0.965	0.927	0	2	0.933727
BRK1	0	0.301652	0.983	0.959	0	2	0.963008
BRSK1	0	0.284903	0.44	0.149	0	2	0.202551
BRSK2	0	0.277768	0.533	0.294	0	2	0.337977
BZW2	0	0.579001	0.93	0.778	0	2	0.80587
C11orf96	0	0.351106	0.326	0.059	0	2	0.10817
C16orf45	0	0.353095	0.804	0.61	0	2	0.645677
C18orf32	0	0.373493	0.603	0.288	0	2	0.346647
C19orf12	2.4E-285	0.271082	0.544	0.337	8.1E-281	2	0.375111
C1orf115	0	0.311308	0.324	0.073	0	2	0.119647
C1orf122	0	0.380334	0.912	0.752	0	2	0.781813
C1QTNF4	0	0.295196	0.598	0.362	0	2	0.406062
C3orf14	0	0.555365	0.756	0.568	0	2	0.603212
C4orf48	0	0.872658	0.998	0.962	0	2	0.968729
C9orf16	0	0.468314	0.971	0.907	0	2	0.919264
CACNA1A	0	0.374133	0.487	0.153	0	2	0.214918
CACNA1E	0	0.27397	0.297	0.032	0	2	0.08134
CACNA2D1	0	0.445413	0.514	0.123	0	2	0.195835
CACNG8	0	0.337374	0.442	0.162	0	2	0.214136
CADM1	2.1E-161	0.285657	0.749	0.692	7.1E-157	2	0.702392
CALB2	0	0.921139	0.39	0.052	0	2	0.114317
CALCOCO1	0	0.27873	0.412	0.151	0	2	0.199389
CALM1	0	0.715875	0.996	0.989	0	2	0.99037
CALM2	0	0.466015	0.997	0.988	0	2	0.989624
CALM3	0	0.393088	0.981	0.939	0	2	0.947159
CAMK1D	4.4E-274	0.272887	0.469	0.266	1.5E-269	2	0.303472
CAMK2D	0	0.288346	0.449	0.219	0	2	0.261789
CAMK2N1	0	0.81255	0.928	0.632	0	2	0.687182
CAMK4	0	0.260942	0.448	0.217	0	2	0.260012

CAMKK2	0	0.262379	0.457	0.229	0	2	0.270921
CAMKV	0	0.586831	0.577	0.108	0	2	0.194663
CAP2	0	0.638847	0.683	0.29	0	2	0.362532
CAPN1	3.2E-297	0.277585	0.581	0.364	1.1E-292	2	0.403895
CASTOR3	0	0.324101	0.574	0.314	0	2	0.362532
CBFA2T3	0	0.319956	0.411	0.111	0	2	0.166732
CBLB	0	0.336008	0.418	0.132	0	2	0.184855
CCDC107	6.2E-247	0.256871	0.721	0.568	2.1E-242	2	0.59639
CCDC112	0	0.555159	0.87	0.578	0	2	0.631996
CCDC28B	0	0.319984	0.798	0.632	0	2	0.662592
CCDC82	0	0.28817	0.625	0.382	0	2	0.426673
CCDC85B	1.2E-254	0.28318	0.821	0.719	4.2E-250	2	0.737643
CCDC88A	3.6E-230	0.270885	0.811	0.69	1.2E-225	2	0.712199
CCNG2	0	0.315033	0.62	0.351	0	2	0.401016
CCNI	0	0.449445	0.996	0.99	0	2	0.990796
CCSAP	0	1.027449	0.847	0.258	0	2	0.367222
CCSER1	0	0.282448	0.307	0.038	0	2	0.087559
CCSER2	7.1E-247	0.269066	0.594	0.415	2.4E-242	2	0.447745
CD200	0	0.455919	0.644	0.244	0	2	0.317757
CD24	0	0.902422	0.993	0.803	0	2	0.837959
CDC42	0	0.424933	0.95	0.857	0	2	0.874205
CDC42EP3	0	0.411815	0.522	0.183	0	2	0.246047
CDH7	0	0.416136	0.25	0.051	0	2	0.087772
CDK5	0	0.340974	0.584	0.308	0	2	0.358871
CDK5R1	0	0.695197	0.768	0.214	0	2	0.316407
CDKN1C	0	0.391223	0.472	0.193	0	2	0.244448
CDKN2D	0	0.847629	0.887	0.28	0	2	0.392061
CECR2	0	0.395742	0.562	0.335	0	2	0.377314
CELF2	0	0.824115	0.948	0.745	0	2	0.782595
CELF3	0	0.733039	0.755	0.095	0	2	0.217547
CELF4	0	0.51867	0.637	0.135	0	2	0.227853
CELF5	0	0.694737	0.843	0.348	0	2	0.44007
CEND1	0	0.273984	0.466	0.215	0	2	0.261895
CEP170	0	0.791986	0.934	0.566	0	2	0.634626
CEP85L	0	0.278427	0.378	0.158	0	2	0.199176
CERS6	0	0.278011	0.476	0.24	0	2	0.283856
CFAP298	0	0.922267	0.834	0.619	0	2	0.658719
CFL1	0	0.44798	0.998	0.995	0	2	0.995274
CHD3	0	0.826925	0.93	0.674	0	2	0.721545
CHGA	0	0.416573	0.372	0.031	0	2	0.093955
CHGB	0	0.292323	0.417	0.072	0	2	0.136314
CHMP5	0	0.281686	0.872	0.76	0	2	0.781067
CHST8	0	0.638817	0.544	0.059	0	2	0.148573
CITED2	5E-264	0.299237	0.515	0.31	1.7E-259	2	0.348069
CLASP2	0	0.394803	0.609	0.276	0	2	0.338119
CLIP1	0	0.319668	0.593	0.353	0	2	0.397072
CLIP3	4.8E-256	0.255095	0.593	0.4	1.6E-251	2	0.436019
CLTB	0	0.558963	0.867	0.599	0	2	0.648449

CLTC	3.9E-223	0.259738	0.686	0.544	1.3E-218	2	0.570555
CLVS1	0	0.272695	0.323	0.062	0	2	0.110622
CMIP	0	0.395096	0.658	0.338	0	2	0.39725
CNIH2	0	1.046434	0.961	0.668	0	2	0.721936
CNKSR2	0	0.264772	0.334	0.092	0	2	0.136953
CNR1	0	0.397962	0.407	0.033	0	2	0.102413
CNTN2	0	0.826626	0.508	0.055	0	2	0.138766
CNTNAP2	0	0.91419	0.812	0.644	0	2	0.675171
CORO1A	0	0.296049	0.507	0.244	0	2	0.292385
CORO1C	0	0.282295	0.549	0.311	0	2	0.354927
CORO2B	0	0.724578	0.686	0.109	0	2	0.2157
COTL1	0	0.579466	0.831	0.46	0	2	0.528482
COX5A	0	0.267841	0.98	0.964	0	2	0.966739
COX5B	0	0.253596	0.983	0.974	0	2	0.975374
COX6A1	0	0.320043	0.989	0.977	0	2	0.979532
COX6B1	0	0.35772	0.988	0.972	0	2	0.974734
COX6C	0	0.383067	0.991	0.978	0	2	0.979994
COX7A2	0	0.615883	0.994	0.976	0	2	0.97939
COX7B	0	0.376455	0.969	0.93	0	2	0.937351
CPE	0	0.697196	0.983	0.859	0	2	0.882165
CPEB4	0	0.320869	0.455	0.131	0	2	0.190825
CPLX2	0	0.457137	0.41	0.051	0	2	0.117124
CRABP1	0	0.793645	0.353	0.074	0	2	0.125262
CREG2	0	0.296858	0.268	0.039	0	2	0.081767
CRIP2	0	0.530116	0.824	0.535	0	2	0.588821
CRMP1	0	0.920773	0.992	0.862	0	2	0.885967
CSNK1E	0	0.300464	0.774	0.603	0	2	0.634945
CSRNP3	0	0.354584	0.545	0.226	0	2	0.284993
CSRNP2	0	1.058377	0.857	0.807	0	2	0.816211
CTNND2	0	0.35833	0.589	0.325	0	2	0.373796
CTTNBP2	0	0.908058	0.717	0.202	0	2	0.297715
CTXN1	0	0.41921	0.915	0.822	0	2	0.839416
CXADR	0	0.589186	0.9	0.585	0	2	0.643261
CXXC5	4.5E-110	0.277814	0.69	0.62	1.5E-105	2	0.633275
CYCS	0	0.410784	0.943	0.867	0	2	0.881312
CYFIP2	0	0.290235	0.582	0.355	0	2	0.396681
DACH2	0	0.3096	0.371	0.063	0	2	0.1205
DBN1	0	0.548239	0.973	0.884	0	2	0.90011
DCC	0	0.65498	0.633	0.037	0	2	0.147578
DCHS1	5.2E-277	0.265203	0.515	0.308	1.8E-272	2	0.346008
DCLK1	0	0.260254	0.496	0.257	0	2	0.301304
DCTN1	1.6E-272	0.266047	0.604	0.41	5.3E-268	2	0.44604
DCTN2	0	0.297664	0.948	0.894	0	2	0.90377
DCTN3	0	0.457566	0.957	0.864	0	2	0.880779
DCTN6	6E-263	0.271451	0.713	0.559	2E-258	2	0.587577
DCX	0	1.245942	0.989	0.427	0	2	0.53136
DDAH2	0	0.760568	0.983	0.889	0	2	0.906755
DDX24	1.9E-256	0.260288	0.904	0.847	6.5E-252	2	0.857361



DDX5	0	0.358819	0.997	0.989	0	2	0.990441
DHPS	0	0.366883	0.88	0.728	0	2	0.756512
DISP2	0	0.372611	0.402	0.041	0	2	0.107921
DISP3	0	0.281549	0.322	0.064	0	2	0.112043
DLG4	0	0.373196	0.523	0.191	0	2	0.252621
DLGAP4	0	0.390304	0.797	0.57	0	2	0.611812
DLL3	0	0.834077	0.692	0.18	0	2	0.274795
DMTN	0	0.354822	0.404	0.043	0	2	0.109804
DNAJA1	0	0.330541	0.991	0.97	0	2	0.974024
DNAJB6	0	0.414223	0.95	0.856	0	2	0.873814
DNER	3.5E-271	0.318111	0.726	0.561	1.2E-266	2	0.591663
DPF1	3.1E-281	0.325114	0.607	0.417	1E-276	2	0.452081
DPYSL2	0	0.441687	0.944	0.848	0	2	0.865499
DPYSL3	0	0.543616	0.914	0.668	0	2	0.713443
DRAXIN	0	0.541352	0.804	0.483	0	2	0.542767
DST	0	0.452125	0.729	0.409	0	2	0.468107
DSTN	0	0.658833	0.981	0.948	0	2	0.95455
DTD1	0	0.487656	0.958	0.843	0	2	0.864646
DUSP26	0	0.292006	0.412	0.091	0	2	0.150705
DUSP4	4.8E-291	0.264411	0.358	0.151	1.6E-286	2	0.189439
DYNC1H1	0	0.564558	0.953	0.803	0	2	0.830567
DYNC1I2	0	0.495968	0.944	0.795	0	2	0.822892
DYNC1LI1	0	0.301327	0.765	0.607	0	2	0.63658
DYNLL1	0	0.53285	0.995	0.984	0	2	0.985608
DYNLRB1	0	0.488302	0.967	0.882	0	2	0.897871
DYNLT1	0	0.430244	0.986	0.942	0	2	0.950108
EBF2	0	0.451113	0.297	0.038	0	2	0.085747
EBP	0	0.391571	0.83	0.686	0	2	0.712626
EDIL3	0	0.37337	0.347	0.026	0	2	0.085391
EEF1A2	0	0.61936	0.832	0.586	0	2	0.631356
EIF4A2	0	0.437689	0.959	0.872	0	2	0.88849
EIF4G2	0	0.373758	0.98	0.94	0	2	0.947194
ELAVL2	0	0.431786	0.486	0.224	0	2	0.272236
ELAVL3	0	0.869003	0.978	0.67	0	2	0.727302
ELAVL4	0	1.12878	0.952	0.272	0	2	0.398245
EMX1	0	0.48381	0.905	0.737	0	2	0.767954
ENC1	0	1.165972	0.801	0.415	0	2	0.486266
ENDOG	0	0.318916	0.645	0.408	0	2	0.451476
ENO2	0	0.592232	0.838	0.513	0	2	0.573149
EPB41L3	0	0.544707	0.631	0.225	0	2	0.300629
EPHA5	0	0.375229	0.41	0.097	0	2	0.155005
EPHA7	0	0.366899	0.398	0.078	0	2	0.137771
ERC1	1.7E-271	0.293548	0.543	0.345	5.7E-267	2	0.381969
ERG28	1.4E-222	0.286801	0.833	0.763	4.9E-218	2	0.775594
ETFB	0	0.371001	0.866	0.738	0	2	0.76138
EVL	0	0.685648	0.981	0.878	0	2	0.896805
FAM177A1	0	0.340738	0.715	0.474	0	2	0.518354
FAM19A5	0	0.306199	0.548	0.311	0	2	0.355318

FAM200B	5.7E-226	0.254879	0.786	0.669	1.9E-221	2	0.690452
FAM241B	0	0.262306	0.479	0.229	0	2	0.275505
FAM49A	0	0.373306	0.414	0.112	0	2	0.167833
FAM57B	0	0.548495	0.77	0.334	0	2	0.414626
FAM89B	0	0.704782	0.96	0.772	0	2	0.806617
FAM96B	0	0.568234	0.968	0.878	0	2	0.89478
FAT4	2.2E-227	0.256226	0.45	0.265	7.4E-223	2	0.299136
FDFT1	0	0.314907	0.982	0.933	0	2	0.942042
FEZ1	0	0.689662	0.976	0.925	0	2	0.934686
FEZF2	6E-278	0.341124	0.874	0.769	2E-273	2	0.788494
FIBP	4.9E-300	0.303976	0.882	0.812	1.6E-295	2	0.824846
FKBP1A	0	0.354736	0.947	0.886	0	2	0.897267
FLRT2	0	0.254723	0.243	0.039	0	2	0.077112
FNBP1L	0	0.552909	0.945	0.773	0	2	0.804627
FNDC5	0	0.616566	0.468	0.131	0	2	0.193419
FOXG1	0	0.387017	0.906	0.768	0	2	0.793291
FOXO6	0	0.311773	0.388	0.092	0	2	0.147081
FRMD4B	1.9E-150	0.27955	0.37	0.229	6.5E-146	2	0.255535
FSD1	3.7E-286	0.290146	0.742	0.594	1.2E-281	2	0.621193
FSTL5	0	0.413029	0.403	0.057	0	2	0.120962
FXVD6	0	0.450278	0.966	0.923	0	2	0.931026
FXVD7	0	0.393538	0.415	0.087	0	2	0.147578
FYN	0	0.531875	0.924	0.778	0	2	0.805408
G3BP2	0	0.315341	0.86	0.749	0	2	0.76998
GABARAPL1	0	0.334791	0.519	0.221	0	2	0.27579
GABARAPL2	0	0.628575	0.987	0.915	0	2	0.928112
GABRB3	0	0.355713	0.515	0.145	0	2	0.213425
GADD45A	7.2E-196	0.305081	0.451	0.274	2.4E-191	2	0.306706
GADD45G	0	0.567419	0.626	0.144	0	2	0.233396
GALNT17	0	0.253107	0.279	0.022	0	2	0.070005
GAP43	0	1.313645	0.962	0.724	0	2	0.768416
GDAP1L1	0	0.688126	0.775	0.226	0	2	0.327814
GDI1	0	0.722847	0.898	0.485	0	2	0.561352
GLRX	0	0.654256	0.68	0.151	0	2	0.24928
GNAI1	0	0.298217	0.502	0.273	0	2	0.315092
GNAO1	0	0.432265	0.644	0.369	0	2	0.419672
GNAS	0	0.332935	1	0.998	0	2	0.998365
GNB1	0	0.389342	0.899	0.757	0	2	0.783341
GNG2	0	0.458509	0.644	0.211	0	2	0.290786
GNG3	0	0.571304	0.711	0.278	0	2	0.357876
GNG4	4.1E-230	0.2694	0.693	0.538	1.4E-225	2	0.566433
GNG8	0	0.33509	0.308	0.022	0	2	0.074553
GPC2	0	0.7245	0.869	0.417	0	2	0.50048
GPM6A	0	1.43074	0.988	0.626	0	2	0.693152
GPR162	0	0.301086	0.444	0.154	0	2	0.207988
GRB2	0	0.489101	0.835	0.563	0	2	0.613411
GRIA1	0	0.42887	0.421	0.163	0	2	0.210973
GRIA2	0	0.677345	0.565	0.082	0	2	0.171138

GRIA3	0	0.378063	0.421	0.095	0	2	0.155716
GRIK5	3.6E-303	0.250244	0.435	0.216	1.2E-298	2	0.256174
GSE1	0	0.367584	0.565	0.288	0	2	0.338972
GSK3B	0	0.381107	0.743	0.491	0	2	0.537436
GSTA4	0	0.711585	0.974	0.841	0	2	0.865819
GTF2A2	0	0.260518	0.941	0.875	0	2	0.887531
GTF2I	0	0.29201	0.98	0.951	0	2	0.956149
GUK1	0	0.482147	0.966	0.884	0	2	0.899577
H3F3A	0	0.28018	0.999	0.999	0	2	0.999076
H3F3B	0	0.541136	0.999	0.995	0	2	0.995594
HAGH	0	0.467958	0.849	0.579	0	2	0.629295
HCFC1R1	0	0.394833	0.662	0.39	0	2	0.440176
HDAC2	0	0.276134	0.974	0.935	0	2	0.94222
HDAC5	0	0.330285	0.613	0.349	0	2	0.39764
HDGFL3	2E-263	0.262963	0.847	0.741	6.8E-259	2	0.760456
HECTD4	0	0.375906	0.564	0.233	0	2	0.294268
HERC1	0	0.358131	0.622	0.33	0	2	0.384386
HES6	0	0.380253	0.96	0.871	0	2	0.887246
HMGCR	0	0.446033	0.893	0.726	0	2	0.756938
HMGCS1	0	0.395373	0.954	0.889	0	2	0.900785
HPCA	0	0.489725	0.395	0.079	0	2	0.137415
HPCAL1	0	0.664269	0.726	0.299	0	2	0.377954
HRAS	0	0.351472	0.881	0.753	0	2	0.776731
HS6ST1	0	0.281712	0.383	0.141	0	2	0.185885
HSD11B1L	8.2E-274	0.268573	0.61	0.407	2.8E-269	2	0.444298
HSDL1	0	0.294479	0.61	0.37	0	2	0.414555
ID2	1.4E-168	0.285939	0.491	0.322	4.5E-164	2	0.353221
IDH1	0	0.407352	0.869	0.696	0	2	0.728368
IDS	0	0.459242	0.634	0.281	0	2	0.346327
IGDCC3	0	0.425843	0.533	0.235	0	2	0.290501
IGFBPL1	0	0.513283	0.584	0.145	0	2	0.226467
IGLON5	0	0.272413	0.504	0.275	0	2	0.317402
IGSF21	0	0.487585	0.655	0.32	0	2	0.382005
INA	0	0.758471	0.888	0.325	0	2	0.429231
INSM1	0	0.481364	0.468	0.075	0	2	0.147898
IRF2BPL	4.7E-222	0.253211	0.559	0.38	1.6E-217	2	0.413063
IRGQ	0	0.2803	0.494	0.238	0	2	0.285491
ISLR2	0	0.503663	0.519	0.073	0	2	0.155254
JAKMIP2	0	0.491984	0.799	0.513	0	2	0.566433
JPH4	0	0.575277	0.663	0.313	0	2	0.378203
JPT1	0	0.53924	0.997	0.984	0	2	0.986745
KALRN	0	0.25182	0.426	0.187	0	2	0.231157
KAT6B	0	0.37193	0.786	0.613	0	2	0.645322
KCNMB4	0	0.299092	0.505	0.254	0	2	0.300416
KCNQ1OT1	0	0.567411	0.765	0.401	0	2	0.468356
KCNQ3	0	0.280689	0.395	0.145	0	2	0.191322
KDM5B	0	0.473048	0.912	0.718	0	2	0.754167
KDM6B	0	0.519017	0.694	0.277	0	2	0.354465

KHDRBS3	0	0.776406	0.703	0.307	0	2	0.380086
KIDINS220	0	0.934199	0.925	0.499	0	2	0.577876
KIF1A	0	0.617473	0.917	0.685	0	2	0.728297
KIF1B	0	0.305319	0.881	0.784	0	2	0.802352
KIF21B	0	0.373592	0.457	0.075	0	2	0.145695
KIF3A	0	0.656076	0.877	0.527	0	2	0.591806
KIF3B	0	0.299687	0.509	0.256	0	2	0.302654
KIF3C	0	0.456273	0.609	0.198	0	2	0.273871
KIF5A	0	0.399935	0.61	0.24	0	2	0.308802
KIF5C	0	1.325745	0.988	0.554	0	2	0.634093
KIFAP3	0	0.633697	0.802	0.399	0	2	0.473544
KLC1	0	0.609382	0.866	0.49	0	2	0.559397
KLF13	2.2E-181	0.257281	0.595	0.45	7.3E-177	2	0.477062
KLF7	0	0.445443	0.573	0.153	0	2	0.231086
KLHL24	0	0.384554	0.586	0.281	0	2	0.337373
KLHL35	0	0.83265	0.555	0.056	0	2	0.148182
KMT2E	0	0.343796	0.912	0.798	0	2	0.819232
L1CAM	0	0.415608	0.513	0.07	0	2	0.151914
LBH	0	0.433971	0.612	0.271	0	2	0.334565
LCOR	0	0.310476	0.667	0.463	0	2	0.501084
LCORL	1.2E-191	0.266936	0.553	0.399	4E-187	2	0.427774
LDOC1	8.1E-261	0.271523	0.61	0.417	2.7E-256	2	0.452436
LHFPL6	7.7E-300	0.276296	0.327	0.122	2.6E-295	2	0.15998
LINC01122	0	0.256081	0.349	0.086	0	2	0.134928
LINGO1	0	0.434746	0.526	0.126	0	2	0.200171
LMBR1L	0	0.295019	0.523	0.268	0	2	0.315376
LMO3	1.5E-09	0.556767	0.152	0.132	5.02E-05	2	0.135638
LMO4	0	0.693427	0.712	0.409	0	2	0.465406
LRCH2	0	0.384096	0.58	0.246	0	2	0.30802
LRP1	0	0.29198	0.567	0.32	0	2	0.366085
LY6H	0	0.499307	0.717	0.491	0	2	0.532959
LZTS1	0	0.551703	0.531	0.075	0	2	0.159056
MACF1	2.3E-287	0.30259	0.806	0.676	7.6E-283	2	0.699691
MACO1	0	0.436793	0.68	0.327	0	2	0.39231
MANEAL	0	0.270252	0.373	0.091	0	2	0.143456
MAP1A	0	0.547663	0.74	0.387	0	2	0.452649
MAP1B	0	0.559302	1	0.996	0	2	0.996304
MAP1LC3A	0	0.814824	0.927	0.556	0	2	0.62464
MAP1LC3B	0	0.539027	0.928	0.744	0	2	0.777975
MAP2	0	1.082401	0.991	0.712	0	2	0.763903
MAP4K4	0	0.796996	0.955	0.756	0	2	0.793184
MAP6	0	0.553091	0.818	0.456	0	2	0.52276
MAP7D1	0	0.311639	0.67	0.442	0	2	0.484098
MAPK6	0	0.337483	0.648	0.397	0	2	0.443339
MAPK8	0	0.505122	0.734	0.346	0	2	0.417647
MAPK8IP2	0	0.346843	0.575	0.25	0	2	0.309797
MAPRE3	0	0.45239	0.665	0.273	0	2	0.345368
MAPT	0	0.758257	0.788	0.161	0	2	0.277069

MARCKSL1	0	0.527193	0.999	0.996	0	2	0.99666
MCTS1	0	0.412835	0.818	0.619	0	2	0.655876
MEAF6	0	0.308086	0.895	0.807	0	2	0.823176
MEIS3	0	0.52922	0.831	0.52	0	2	0.578089
MEX3A	1.5E-254	0.282775	0.88	0.771	5E-250	2	0.790946
MFAP4	0	0.461713	0.404	0.077	0	2	0.137344
MGST3	0	0.52584	0.976	0.921	0	2	0.930919
MIAT	0	0.600697	0.756	0.29	0	2	0.376035
MIEN1	0	0.587158	0.86	0.54	0	2	0.599232
MLLT11	0	1.480494	0.996	0.801	0	2	0.836751
MLLT3	5.1E-298	0.303298	0.468	0.252	1.7E-293	2	0.291603
MPC1	1.1E-286	0.285628	0.653	0.469	3.6E-282	2	0.503109
MPC2	7.2E-300	0.310597	0.863	0.803	2.4E-295	2	0.814044
MPP3	0	0.280972	0.402	0.121	0	2	0.173057
MRPL41	0	0.323812	0.928	0.86	0	2	0.872535
MRPS36	0	0.294108	0.754	0.587	0	2	0.618031
MRPS6	2.4E-128	0.283278	0.911	0.895	8E-124	2	0.897694
MSMO1	0	0.37171	0.969	0.918	0	2	0.92765
MT-ND2	0	0.283126	0.992	0.98	0	2	0.982339
MTCH2	4.2E-248	0.257825	0.821	0.721	1.4E-243	2	0.739668
MTMR4	0	0.286847	0.63	0.418	0	2	0.456878
MTSS1	0	0.319129	0.539	0.256	0	2	0.308695
MVD	0	0.613433	0.925	0.748	0	2	0.780605
MXD4	0	0.439021	0.761	0.463	0	2	0.517821
MYCBP2	0	0.339631	0.71	0.5	0	2	0.538787
MYL12B	0	0.356203	0.967	0.913	0	2	0.922675
MYO6	0	0.627247	0.742	0.393	0	2	0.457944
MYT1	0	0.381403	0.414	0.048	0	2	0.115739
MYT1L	0	0.659367	0.67	0.07	0	2	0.180946
NAPA	5.1E-293	0.271773	0.577	0.367	1.7E-288	2	0.405814
NARF	0	0.325644	0.83	0.685	0	2	0.711418
NAV1	0	0.632284	0.806	0.448	0	2	0.5148
NBEA	0	0.617901	0.689	0.239	0	2	0.322839
NCAM1	0	0.514983	0.855	0.605	0	2	0.651114
NCAM2	0	0.363689	0.36	0.039	0	2	0.098362
NCAN	0	0.491088	0.685	0.332	0	2	0.397463
NCS1	0	0.453648	0.675	0.346	0	2	0.40656
NDFIP1	0	0.531762	0.897	0.719	0	2	0.752105
NDST3	0	0.264753	0.26	0.022	0	2	0.066238
NDUFA1	5.9E-284	0.26304	0.946	0.911	2E-279	2	0.917736
NDUFA5	0	0.577325	0.96	0.86	0	2	0.87854
NDUFA8	0	0.281367	0.888	0.802	0	2	0.81781
NDUFB10	0	0.358374	0.979	0.955	0	2	0.959454
NDUFB11	0	0.291058	0.99	0.977	0	2	0.979496
NDUFB8	0	0.525741	0.97	0.922	0	2	0.931061
NDUFS5	0	0.293743	0.994	0.986	0	2	0.987101
NDUFS7	1.3E-242	0.258383	0.843	0.757	4.4E-238	2	0.773249
NECAP1	0	0.281637	0.515	0.245	0	2	0.294624

NEFM	0	0.385781	0.431	0.057	0	2	0.126222
NELL2	0	0.80992	0.821	0.31	0	2	0.404996
NEO1	5.8E-251	0.296443	0.45	0.257	1.9E-246	2	0.292562
NEUROD1	0	0.532931	0.458	0.038	0	2	0.115419
NEUROD2	0	1.517517	0.87	0.037	0	2	0.19118
NEUROD6	0	2.298943	0.955	0.081	0	2	0.243275
NFASC	0	0.585811	0.673	0.152	0	2	0.248214
NFIA	0	1.329328	0.99	0.829	0	2	0.858783
NFIB	0	1.299962	0.986	0.833	0	2	0.861483
NHLH1	0	1.39804	0.613	0.079	0	2	0.177748
NHLH2	0	0.494831	0.407	0.026	0	2	0.096265
NKAIN1	0	0.351767	0.592	0.31	0	2	0.362389
NLRP1	0	0.384579	0.861	0.666	0	2	0.701858
NMNAT2	0	0.313538	0.399	0.074	0	2	0.134039
NNAT	0	1.240902	0.976	0.592	0	2	0.662805
NOL4	0	0.519792	0.535	0.103	0	2	0.183043
NOVA2	0	0.376174	0.661	0.366	0	2	0.420667
NPDC1	0	0.38632	0.88	0.73	0	2	0.757791
NPTX1	0	0.596743	0.512	0.026	0	2	0.116129
NPTX2	0	0.301429	0.259	0.032	0	2	0.074198
NPTXR	0	0.42617	0.477	0.091	0	2	0.162254
NRCAM	0	0.632446	0.649	0.113	0	2	0.212146
NREP	0	0.614525	0.987	0.895	0	2	0.912405
NRN1	0	0.693159	0.548	0.081	0	2	0.16762
NRXN1	0	1.216995	0.932	0.251	0	2	0.376888
NRXN2	8.7E-282	0.27194	0.612	0.407	2.9E-277	2	0.444902
NSG1	0	0.73466	0.934	0.684	0	2	0.730642
NSG2	0	1.010446	0.89	0.113	0	2	0.257382
NSMF	0	0.704112	0.785	0.333	0	2	0.417007
NTS	1E-213	0.491743	0.132	0.03	3.4E-209	2	0.048861
NUDT3	0	0.455336	0.797	0.566	0	2	0.608756
NUMBL	0	0.304272	0.448	0.161	0	2	0.213994
NUP93	0	0.37936	0.588	0.348	0	2	0.39231
NXPH4	0	0.924725	0.71	0.074	0	2	0.192069
NYAP2	0	0.305005	0.334	0.019	0	2	0.077396
OCIAD2	0	0.789409	0.891	0.583	0	2	0.640205
OLFM1	0	0.652328	0.812	0.399	0	2	0.475392
OLFM2	0	0.611135	0.765	0.301	0	2	0.387335
OPTN	0	0.412145	0.58	0.192	0	2	0.264241
PAFAH1B1	0	0.330885	0.866	0.757	0	2	0.776909
PAFAH1B3	0	0.412836	0.989	0.971	0	2	0.974379
PAK3	0	0.553848	0.842	0.453	0	2	0.524715
PAK5	0	0.395552	0.529	0.135	0	2	0.20845
PALM	1.4E-212	0.253954	0.711	0.58	4.8E-208	2	0.604207
PAPSS1	0	0.300295	0.701	0.513	0	2	0.548133
PARP6	0	0.323254	0.475	0.154	0	2	0.213852
PBRM1	0	0.338746	0.766	0.564	0	2	0.601649
PCBP4	0	0.37211	0.657	0.445	0	2	0.483991



PCDH9	0	0.891855	0.703	0.141	0	2	0.245478
PCLO	0	0.308748	0.446	0.169	0	2	0.220426
PCMT1	0	0.348566	0.891	0.776	0	2	0.79688
PCSK1N	0	0.985737	0.992	0.841	0	2	0.869408
PDE1A	0	0.815526	0.671	0.093	0	2	0.199709
PDE4DIP	0	0.293242	0.394	0.146	0	2	0.192353
PEPD	1.3E-307	0.353097	0.706	0.543	4.5E-303	2	0.573114
PFDN2	0	0.395998	0.962	0.9	0	2	0.911908
PFKM	0	0.279803	0.56	0.335	0	2	0.376746
PGAP1	0	0.74711	0.839	0.396	0	2	0.478199
PGM2L1	0	0.61591	0.82	0.336	0	2	0.426104
PHF20L1	4.3E-303	0.322482	0.741	0.583	1.5E-298	2	0.612665
PHF21B	0	0.403434	0.553	0.193	0	2	0.259372
PHYHIP	0	0.468454	0.47	0.036	0	2	0.116556
PIK3R3	0	0.28437	0.573	0.334	0	2	0.378451
PJA2	0	0.496154	0.784	0.546	0	2	0.590206
PLD3	0	0.32093	0.868	0.698	0	2	0.729967
PLPPR1	0	0.392829	0.425	0.077	0	2	0.141289
PLPPR2	0	0.519313	0.642	0.176	0	2	0.262606
PLPPR3	0	0.548	0.961	0.843	0	2	0.864895
PLXNA2	0	0.54389	0.537	0.1	0	2	0.180839
PLXNA4	0	0.501666	0.458	0.032	0	2	0.110728
PNMA1	1.5E-293	0.284574	0.78	0.643	5.1E-289	2	0.668455
PNPLA8	0	0.355423	0.615	0.318	0	2	0.373334
PODXL2	0	0.595518	0.923	0.676	0	2	0.722043
POLR2B	5E-237	0.260004	0.687	0.532	1.7E-232	2	0.560712
POU2F2	0	0.467052	0.55	0.108	0	2	0.190327
PPFIA2	0	0.310814	0.39	0.102	0	2	0.155467
PPP1R14A	0	0.286311	0.228	0.044	0	2	0.078
PPP1R14B	0	0.514928	0.996	0.97	0	2	0.975161
PPP1R1A	0	0.259704	0.434	0.201	0	2	0.24395
PPP1R1B	0	0.250595	0.212	0.019	0	2	0.054476
PPP2R2B	0	0.687821	0.675	0.279	0	2	0.352475
PPP2R5B	0	0.295621	0.392	0.081	0	2	0.138837
PPP3CA	0	0.553571	0.733	0.382	0	2	0.446999
PPP3CB	1.2E-264	0.25511	0.522	0.317	4E-260	2	0.354785
PRDM8	0	0.587291	0.447	0.027	0	2	0.105185
PRDX1	0	0.697409	0.993	0.971	0	2	0.974841
PRDX5	0	0.399631	0.989	0.968	0	2	0.972211
PRKACB	0	0.292236	0.463	0.227	0	2	0.270921
PRKAR2B	0	0.47259	0.665	0.333	0	2	0.394407
PRKCA	0	0.289453	0.389	0.166	0	2	0.20774
PRKCZ	0	0.280358	0.449	0.186	0	2	0.234782
PRKX	0	0.569079	0.65	0.342	0	2	0.398955
PRPSAP2	2.4E-296	0.288472	0.705	0.53	8.1E-292	2	0.562418
PRRC2B	0	0.304717	0.828	0.706	0	2	0.728546
PSMA7	0	0.302698	0.994	0.987	0	2	0.988415
PSMD14	0	0.554691	0.948	0.849	0	2	0.867347

PSMD8	0	0.267261	0.973	0.952	0	2	0.955581
PTMS	0	0.507086	0.999	0.993	0	2	0.994279
PTPRO	0	0.294042	0.362	0.087	0	2	0.137771
PTPRZ1	0	0.64493	0.945	0.817	0	2	0.840766
PWAR6	0	0.279459	0.511	0.269	0	2	0.31367
RAB18	6.4E-275	0.268115	0.711	0.544	2.1E-270	2	0.575282
RAB1A	2.5E-248	0.254011	0.739	0.589	8.5E-244	2	0.616432
RAB26	0	0.360879	0.363	0.028	0	2	0.090544
RAB2A	0	0.469749	0.965	0.864	0	2	0.882947
RAB33A	0	0.535692	0.649	0.181	0	2	0.26751
RAB3A	0	0.923624	0.842	0.163	0	2	0.28908
RAB6A	0	0.32433	0.664	0.42	0	2	0.465371
RAB7A	3.3E-300	0.279725	0.745	0.579	1.1E-295	2	0.609467
RABAC1	0	0.291481	0.961	0.911	0	2	0.920365
RABEP1	2.8E-295	0.288899	0.697	0.518	9.3E-291	2	0.55094
RALYL	0	0.661759	0.521	0.031	0	2	0.121673
RASL11B	0	0.640529	0.53	0.124	0	2	0.199105
RBFOX2	0	0.848172	0.952	0.493	0	2	0.578409
RBFOX3	0	0.722447	0.663	0.057	0	2	0.169361
RDH11	3.4E-298	0.297226	0.794	0.656	1.1E-293	2	0.681461
REEP1	0	0.366599	0.492	0.13	0	2	0.196759
REEP2	0	0.278606	0.528	0.294	0	2	0.337266
RERE	1E-292	0.293497	0.807	0.672	3.4E-288	2	0.696777
RGMB	0	0.447639	0.371	0.112	0	2	0.159696
RGS17	0	0.494006	0.568	0.152	0	2	0.228777
RIAD1	0	0.286515	0.319	0.033	0	2	0.085853
RNF11	0	0.26717	0.514	0.288	0	2	0.32991
RNF146	2.3E-296	0.268527	0.569	0.351	7.6E-292	2	0.391493
RNF187	8.5E-249	0.265647	0.877	0.807	2.9E-244	2	0.82044
RNF24	0	0.349865	0.705	0.461	0	2	0.506343
RNF5	0	0.316833	0.819	0.653	0	2	0.68402
ROGDI	0	0.504839	0.697	0.304	0	2	0.376604
RPAIN	0	0.570538	0.977	0.868	0	2	0.888526
RPS6KL1	0	0.300674	0.392	0.076	0	2	0.134608
RTL8C	1.5E-279	0.296052	0.671	0.491	4.9E-275	2	0.524146
RTN1	0	1.558034	0.934	0.206	0	2	0.341246
RTN2	0	0.596012	0.689	0.154	0	2	0.253331
RTN3	0	0.449846	0.983	0.934	0	2	0.943143
RTN4	0	0.56368	0.997	0.979	0	2	0.982588
RUFY2	0	0.296317	0.571	0.324	0	2	0.370101
RUFY3	0	0.577015	0.891	0.575	0	2	0.633702
RUNDC3A	0	0.498707	0.56	0.065	0	2	0.156427
RUNX1T1	0	0.606153	0.52	0.08	0	2	0.161686
SAMD14	0	0.271708	0.41	0.147	0	2	0.1958
SARAF	0	0.437157	0.98	0.905	0	2	0.918979
SAT2	0	0.521427	0.953	0.824	0	2	0.848229
SBK1	0	0.551022	0.835	0.494	0	2	0.556981
SCARB2	1.6E-253	0.268802	0.623	0.43	5.3E-249	2	0.466224

SCD5	0	0.444371	0.618	0.286	0	2	0.347216
SCG3	0	1.010536	0.91	0.149	0	2	0.290324
SCRT2	0	0.539123	0.564	0.052	0	2	0.146974
SEC11C	0	0.697103	0.939	0.679	0	2	0.726804
SELENOW	0	0.666852	0.973	0.857	0	2	0.878149
SERINC1	0	0.453139	0.739	0.397	0	2	0.460822
SERPINI1	0	0.378995	0.451	0.13	0	2	0.189474
SETBP1	0	0.314359	0.652	0.428	0	2	0.469386
SEZ6	0	0.753695	0.605	0.022	0	2	0.129953
SEZ6L2	0	0.885822	0.844	0.187	0	2	0.308447
SH3BGRL3	0	0.513576	0.938	0.828	0	2	0.8483
SH3BP5	0	0.764532	0.773	0.159	0	2	0.272947
SH3GL2	0	0.384232	0.432	0.079	0	2	0.144131
SHB	0	0.487317	0.525	0.105	0	2	0.182723
SHTN1	0	0.38645	0.495	0.195	0	2	0.250524
SIGIRR	8.9E-236	0.28745	0.48	0.294	3E-231	2	0.328631
SLA	0	0.432161	0.312	0.006	0	2	0.062649
SLC17A7	0	0.565487	0.505	0.012	0	2	0.103052
SLC1A2	0	0.383121	0.553	0.294	0	2	0.341957
SLC22A17	0	0.458792	0.765	0.446	0	2	0.504922
SLC22A23	0	0.52367	0.532	0.135	0	2	0.208841
SLC25A11	5E-273	0.280437	0.741	0.585	1.7E-268	2	0.613873
SLC25A4	0	0.465323	0.881	0.672	0	2	0.710387
SLC2A6	0	0.27161	0.404	0.141	0	2	0.190043
SLC8A1	0	0.260668	0.347	0.127	0	2	0.168118
SLCO5A1	5.3E-257	0.339876	0.528	0.33	1.8E-252	2	0.366831
SLIT1	0	0.393674	0.404	0.039	0	2	0.106926
SMAP2	0	0.257608	0.467	0.232	0	2	0.275328
SMARCA2	3.8E-181	0.275563	0.336	0.183	1.3E-176	2	0.211613
SMARCA4	0	0.373778	0.95	0.881	0	2	0.89414
SMDT1	0	0.325255	0.945	0.889	0	2	0.899364
SMIM14	0	0.334758	0.66	0.424	0	2	0.467645
SNAP25	0	0.613717	0.599	0.1	0	2	0.192495
SNCA	0	0.660142	0.657	0.271	0	2	0.34288
SNCB	0	0.845503	0.631	0.027	0	2	0.138837
SNRPN	0	0.594549	0.985	0.906	0	2	0.920721
SNX4	0	0.30142	0.581	0.35	0	2	0.39295
SORBS2	0	0.618621	0.762	0.372	0	2	0.444298
SOX11	0	0.736253	0.965	0.918	0	2	0.926762
SOX4	0	1.216923	1	0.978	0	2	0.981735
SOX5	0	0.504298	0.688	0.523	0	2	0.55396
SPAST	0	0.290464	0.573	0.346	0	2	0.387904
SPINT2	0	0.523698	0.748	0.314	0	2	0.394229
SPIRE1	0	0.445238	0.581	0.311	0	2	0.36111
SPTAN1	0	0.684025	0.812	0.525	0	2	0.578373
SPTBN1	0	0.419375	0.635	0.379	0	2	0.426104
SRGAP1	0	0.596742	0.723	0.375	0	2	0.439288
SRGAP3	1.4E-247	0.297057	0.829	0.721	4.6E-243	2	0.741018

SRPK2	1.8E-283	0.292046	0.822	0.72	6.1E-279	2	0.738709
SRRM3	0	0.269053	0.345	0.05	0	2	0.104936
SRRM4	0	0.618097	0.647	0.077	0	2	0.182403
SSR4	0	0.301224	0.954	0.902	0	2	0.911553
SSTR2	0	2.058845	0.934	0.105	0	2	0.258662
ST18	0	0.323674	0.325	0.024	0	2	0.080061
ST6GAL2	1.3E-221	0.311636	0.51	0.338	4.4E-217	2	0.369781
STARD3NL	0	0.29523	0.7	0.508	0	2	0.543975
STAU2	3.3E-238	0.25408	0.59	0.409	1.1E-233	2	0.442379
STMN1	0	0.661608	0.999	0.995	0	2	0.995985
STMN2	0	1.351207	0.894	0.173	0	2	0.306315
STMN3	0	0.289166	0.714	0.52	0	2	0.555702
STMN4	0	0.740318	0.839	0.478	0	2	0.544579
STX12	0	0.275855	0.557	0.333	0	2	0.374436
STX7	0	0.270041	0.529	0.295	0	2	0.338581
STXBP1	0	0.62543	0.748	0.254	0	2	0.345546
SULT4A1	0	0.280253	0.402	0.12	0	2	0.17256
SV2A	0	0.40686	0.609	0.304	0	2	0.360506
SVBP	0	0.505655	0.879	0.655	0	2	0.696422
SYP	0	0.585184	0.722	0.23	0	2	0.321239
SYT1	0	1.223628	0.981	0.651	0	2	0.71227
SYT11	6.2E-252	0.274664	0.627	0.439	2.1E-247	2	0.473615
SYT4	0	0.609949	0.42	0.042	0	2	0.112363
SYT5	0	0.373962	0.5	0.097	0	2	0.1716
TAC3	0	0.531367	0.17	0.015	0	2	0.043389
TAGLN3	0	1.104995	0.984	0.457	0	2	0.554565
TANC2	0	0.270252	0.431	0.176	0	2	0.223446
TBCB	0	0.428811	0.965	0.906	0	2	0.917274
TBR1	0	0.971465	0.812	0.062	0	2	0.201023
TCAF1	0	0.478798	0.844	0.594	0	2	0.64024
TCEAL2	0	0.406444	0.748	0.589	0	2	0.618244
TCEAL4	0	0.378566	0.922	0.846	0	2	0.860204
TCF4	2.8E-260	0.328997	0.952	0.909	9.2E-256	2	0.917132
TCP10L	0	0.344364	0.319	0.054	0	2	0.102804
TDG	0	0.328112	0.809	0.653	0	2	0.681532
TERF2IP	0	0.929496	0.988	0.763	0	2	0.80484
THRA	0	0.751679	0.827	0.343	0	2	0.432607
THSD7A	0	1.40636	0.784	0.093	0	2	0.221065
THTPA	2.5E-243	0.275749	0.595	0.415	8.5E-239	2	0.448172
TIPRL	0	0.305515	0.756	0.597	0	2	0.626133
TM7SF2	0	0.503059	0.897	0.68	0	2	0.72023
TMEM132A	0	0.377667	0.791	0.647	0	2	0.673963
TMEM163	0	0.441874	0.51	0.17	0	2	0.233005
TMEM169	0	0.259956	0.336	0.065	0	2	0.115277
TMEM178A	0	0.273515	0.33	0.125	0	2	0.162681
TMEM35A	0	0.340651	0.497	0.153	0	2	0.216623
TMEM50A	0	0.304306	0.859	0.734	0	2	0.756725
TMEM59	0	0.393842	0.921	0.801	0	2	0.823318

TMEM59L	0	0.448127	0.71	0.442	0	2	0.491987
TMOD2	0	0.373709	0.533	0.178	0	2	0.243559
TMSB10	0	1.035473	0.999	0.998	0	2	0.998472
TMSB4X	0	0.525472	0.999	0.999	0	2	0.999005
TNRC6B	1.2E-297	0.28533	0.819	0.669	3.9E-293	2	0.696848
TOP2B	0	0.342401	0.871	0.767	0	2	0.786433
TP53BP1	4E-280	0.290757	0.689	0.515	1.3E-275	2	0.547067
TP53I11	0	0.947184	0.849	0.333	0	2	0.428556
TRAF4	0	0.297593	0.573	0.322	0	2	0.368573
TRAPPC4	1.2E-273	0.268407	0.811	0.695	4E-269	2	0.716819
TSG101	0	0.360136	0.817	0.616	0	2	0.653104
TSPAN13	0	0.6001	0.879	0.618	0	2	0.666323
TSPAN14	1.6E-289	0.281317	0.631	0.432	5.3E-285	2	0.468995
TSPAN18	0	0.336765	0.567	0.338	0	2	0.380406
TSPAN4	3E-233	0.325624	0.617	0.452	9.9E-229	2	0.482286
TSPYL4	0	0.307225	0.656	0.449	0	2	0.487047
TTC3	0	0.803331	0.995	0.951	0	2	0.95885
TTC9B	0	0.883001	0.757	0.096	0	2	0.218684
TTLL7	0	0.395144	0.612	0.272	0	2	0.335311
TUBA1A	0	1.137443	1	1	0	2	0.999609
TUBB	0	0.449768	0.999	0.997	0	2	0.997761
TUBB2A	0	1.158588	0.996	0.9	0	2	0.917451
TUBB2B	0	0.889739	1	0.995	0	2	0.995736
TUBB3	0	0.578396	0.741	0.303	0	2	0.384279
TUBB4A	0	0.435918	0.542	0.14	0	2	0.21474
UBA1	0	0.303509	0.814	0.676	0	2	0.701787
UBE2D1	0	0.408445	0.751	0.496	0	2	0.543549
UBE2H	6.5E-282	0.27274	0.647	0.441	2.2E-277	2	0.478981
UBE2M	1.9E-286	0.257567	0.934	0.881	6.4E-282	2	0.890729
UCHL1	0	0.569301	0.989	0.95	0	2	0.957251
UNC5A	0	0.473826	0.467	0.029	0	2	0.110622
UQCR11	0	0.374373	0.983	0.957	0	2	0.962226
USB1	0	0.317455	0.614	0.377	0	2	0.420952
VAMP2	0	0.602427	0.939	0.734	0	2	0.772041
VASH2	0	0.257925	0.37	0.106	0	2	0.155041
VAT1	0	0.359591	0.581	0.279	0	2	0.334636
VBP1	4.3E-304	0.269161	0.901	0.83	1.4E-299	2	0.843538
VDAC2	0	0.394885	0.979	0.944	0	2	0.95057
VPS26B	0	0.296604	0.54	0.301	0	2	0.345226
VPS28	0	0.342007	0.952	0.878	0	2	0.891546
VSTM2B	4.3E-303	0.271813	0.253	0.079	1.4E-298	2	0.111261
WBP2	0	0.324202	0.623	0.366	0	2	0.41356
WDR47	0	0.353324	0.53	0.206	0	2	0.265982
WNT7B	0	0.370317	0.457	0.215	0	2	0.259621
WRB	0	0.329065	0.735	0.53	0	2	0.567926
WSB2	0	0.350924	0.609	0.333	0	2	0.384563
XPR1	0	0.613619	0.615	0.214	0	2	0.288298
YPEL1	1E-246	0.275225	0.589	0.399	3.5E-242	2	0.434135

YPEL3	0	0.308941	0.612	0.354	0	2	0.401549
YWHAB	0	0.418946	0.989	0.971	0	2	0.974486
YWHAG	0	0.531588	0.843	0.546	0	2	0.601009
YWHAH	0	0.453526	0.946	0.854	0	2	0.871291
YWHAQ	0	0.276508	0.992	0.986	0	2	0.987101
YWHAZ	0	0.362211	0.979	0.937	0	2	0.944991
ZBTB18	0	1.039627	0.777	0.184	0	2	0.29409
ZC2HC1A	0	0.296233	0.672	0.423	0	2	0.469351
ZCCHC17	0	0.361273	0.859	0.733	0	2	0.756192
ZEB2	0	0.911688	0.651	0.148	0	2	0.241214
ZFAND6	0	0.417273	0.774	0.541	0	2	0.583988
ZFPM2	0	0.609386	0.611	0.131	0	2	0.220248
ZMAT2	2.4E-243	0.262502	0.765	0.648	8E-239	2	0.669379
ZNF148	1.3E-181	0.286835	0.682	0.584	4.4E-177	2	0.602075
ZNF428	0	0.409065	0.993	0.98	0	2	0.982552
ZNF462	7.9E-215	0.270442	0.839	0.741	2.6E-210	2	0.759355
ZNF821	1.8E-298	0.268503	0.616	0.404	5.9E-294	2	0.442984
ZNF91	0	0.348559	0.739	0.518	0	2	0.558758
ZNRF1	0	0.392377	0.821	0.616	0	2	0.65385
MARCH6	9E-117	0.35093	0.755	0.714	3E-112	3	0.716997
SEPT3	2.2E-250	0.510625	0.686	0.432	7.3E-246	3	0.449842
SEPT6	2.8E-118	0.373322	0.519	0.34	9.3E-114	3	0.352475
AAK1	7.1E-268	0.562288	0.745	0.531	2.4E-263	3	0.546356
AASDHPPT	2.1E-225	0.490213	0.786	0.658	6.9E-221	3	0.666892
ABHD14A	1.71E-88	0.320724	0.57	0.459	5.74E-84	3	0.466615
AC004540.	3.54E-67	0.306895	0.303	0.18	1.19E-62	3	0.188551
AC116565.	3.8E-242	0.27924	0.263	0.063	1.3E-237	3	0.077183
AC245297.	7.9E-255	0.303435	0.264	0.063	2.6E-250	3	0.077503
ACAP3	7.21E-68	0.27756	0.394	0.265	2.42E-63	3	0.273906
ACOT7	5.3E-120	0.3761	0.632	0.511	1.8E-115	3	0.519313
ACSL3	6.04E-63	0.294039	0.595	0.543	2.02E-58	3	0.546356
ACSL4	1.3E-166	0.375742	0.39	0.177	4.3E-162	3	0.192282
ACTL6B	0	0.569569	0.592	0.137	0	3	0.169468
ACTR10	4E-263	0.520808	0.722	0.513	1.3E-258	3	0.52802
ACVR2B	1.58E-75	0.308689	0.62	0.557	5.31E-71	3	0.561387
ADCY1	2.1E-193	0.293529	0.273	0.083	7E-189	3	0.096336
ADGRL1	4.96E-93	0.321227	0.478	0.334	1.66E-88	3	0.344373
ADGRL3	0	0.493905	0.421	0.097	0	3	0.119932
AFAP1	1.8E-208	0.357155	0.397	0.157	6.1E-204	3	0.17391
AGAP1	6.5E-104	0.371876	0.494	0.342	2.2E-99	3	0.352688
AKAP5	1.5E-129	0.250267	0.211	0.069	4.9E-125	3	0.078604
AKAP6	6.4E-268	0.354274	0.356	0.106	2.2E-263	3	0.123485
AKAP9	0	0.795215	0.956	0.815	0	3	0.825237
AKR1C1	0	0.446245	0.422	0.092	0	3	0.115312
AKR1C2	0	0.375149	0.331	0.057	0	3	0.076294
ALCAM	1.4E-265	0.295729	0.178	0.027	4.7E-261	3	0.037774
AMER2	8E-191	0.341301	0.539	0.256	2.7E-186	3	0.275967
AMPH	4.08E-84	0.268374	0.293	0.151	1.37E-79	3	0.160691



ANK2	0	0.875513	0.688	0.184	0	3	0.220035
ANK3	0	1.113547	0.88	0.252	0	3	0.296294
ANKRD12	0	0.785938	0.926	0.77	0	3	0.780569
ANKRD13D	5.7E-121	0.349973	0.532	0.373	1.9E-116	3	0.384492
ANKRD36	1.5E-132	0.379294	0.431	0.245	5E-128	3	0.25788
ANKRD36C	5.9E-193	0.492721	0.613	0.403	2E-188	3	0.418144
ANKRD46	3E-259	0.512403	0.63	0.374	1E-254	3	0.392061
ANKS1B	0	0.598964	0.483	0.121	0	3	0.146335
AP002884.	0	0.336392	0.289	0.061	0	3	0.077005
AP1S1	5.6E-183	0.431244	0.801	0.724	1.9E-178	3	0.729043
AP1S2	2.1E-282	0.762713	0.797	0.658	6.9E-278	3	0.667354
AP2A2	5.48E-55	0.261673	0.489	0.409	1.84E-50	3	0.414449
AP2B1	1.4E-184	0.452539	0.757	0.655	4.6E-180	3	0.661952
AP2M1	1.6E-161	0.326319	0.926	0.939	5.4E-157	3	0.937742
APBA2	9.3E-59	0.277358	0.495	0.405	3.12E-54	3	0.411393
APBB1	7.96E-59	0.266883	0.45	0.349	2.67E-54	3	0.356171
APC	0	0.685113	0.766	0.474	0	3	0.494261
APC2	0	0.624259	0.705	0.397	0	3	0.418322
APLP1	0	0.994955	0.953	0.597	0	3	0.621833
APLP2	1.2E-112	0.358627	0.766	0.718	4E-108	3	0.721581
APOPT1	7.17E-66	0.283449	0.616	0.585	2.4E-61	3	0.587435
APP	0	0.997261	0.931	0.695	0	3	0.711275
ARF3	1.4E-75	0.286056	0.624	0.565	4.69E-71	3	0.569489
ARG2	1.8E-131	0.372477	0.553	0.382	6.1E-127	3	0.394194
ARHGAP21	1.8E-157	0.425873	0.742	0.633	6.1E-153	3	0.640667
ARHGDIG	0	0.637415	0.516	0.119	0	3	0.147081
ARHGEF12	1.1E-233	0.490127	0.584	0.33	3.7E-229	3	0.348353
ARHGEF7	4.16E-84	0.328041	0.474	0.351	1.39E-79	3	0.359689
ARHGEF9	7.78E-82	0.313707	0.556	0.452	2.61E-77	3	0.459223
ARID4A	0	0.573911	0.786	0.564	0	3	0.579759
ARID5B	1.52E-53	0.392472	0.429	0.335	5.09E-49	3	0.341992
ARL4C	0	0.664417	0.697	0.332	0	3	0.357876
ARL6IP5	1.3E-235	0.481353	0.841	0.752	4.3E-231	3	0.758111
ARL8A	1.2E-196	0.442466	0.674	0.486	4.2E-192	3	0.499058
ARMCX1	5.01E-76	0.272636	0.32	0.183	1.68E-71	3	0.192353
ARMCX3	1.1E-237	0.515785	0.734	0.556	3.8E-233	3	0.568672
ARMH4	2.42E-52	0.279112	0.502	0.429	8.12E-48	3	0.434171
ARPC2	2.8E-125	0.259068	0.937	0.952	9.4E-121	3	0.951246
ARPC5	1.7E-176	0.403002	0.845	0.804	5.8E-172	3	0.80715
ARPP19	9.04E-68	0.252895	0.751	0.761	3.03E-63	3	0.759994
ARPP21	0	0.701983	0.423	0.054	0	3	0.080239
ARRDC4	1.3E-156	0.275941	0.261	0.089	4.2E-152	3	0.100956
ASAH1	4.62E-44	0.256932	0.564	0.537	1.55E-39	3	0.538858
ASB8	8.95E-72	0.282988	0.499	0.396	3E-67	3	0.403681
ASGR1	4.48E-84	0.30668	0.397	0.258	1.5E-79	3	0.267865
ASH1L	2.65E-35	0.25508	0.535	0.519	8.9E-31	3	0.520451
ASPHD1	0	0.374286	0.354	0.076	0	3	0.096016
ASXL3	0	0.480012	0.48	0.175	0	3	0.196084

ATAD1	9.47E-71	0.282173	0.49	0.389	3.18E-66	3	0.39597
ATAT1	6.4E-253	0.51676	0.713	0.493	2.2E-248	3	0.508546
ATCAY	4.8E-215	0.464735	0.681	0.452	1.6E-210	3	0.467787
ATL1	6.7E-206	0.464218	0.653	0.442	2.2E-201	3	0.456807
ATP13A2	6.87E-71	0.281997	0.424	0.303	2.3E-66	3	0.311396
ATP1A3	0	0.607548	0.626	0.198	0	3	0.228492
ATP1B1	0	0.756884	0.757	0.428	0	3	0.450979
ATP5IF1	2.19E-96	0.257598	0.926	0.948	7.34E-92	3	0.946057
ATP5MD	3.7E-101	0.261868	0.904	0.934	1.22E-96	3	0.931559
ATP6AP1	2.7E-102	0.365595	0.584	0.475	9.17E-98	3	0.482712
ATP6AP2	3.4E-225	0.486891	0.794	0.673	1.1E-220	3	0.681426
ATP6VOA1	3.4E-221	0.456462	0.561	0.31	1.2E-216	3	0.32792
ATP6VOB	0	0.691451	0.962	0.839	0	3	0.847873
ATP6VOD1	2.3E-144	0.376589	0.669	0.531	7.7E-140	3	0.54067
ATP6VOE2	1.4E-248	0.480543	0.836	0.701	4.8E-244	3	0.710103
ATP6V1A	4.6E-253	0.435516	0.487	0.211	1.5E-248	3	0.230589
ATP6V1F	1.6E-173	0.341994	0.922	0.926	5.2E-169	3	0.926122
ATP6V1G1	1.7E-144	0.279051	0.962	0.968	5.8E-140	3	0.967983
ATP6V1G2	0	0.529776	0.559	0.213	0	3	0.237376
ATP6V1H	4.3E-131	0.358611	0.519	0.342	1.4E-126	3	0.354749
ATP8A2	1.8E-194	0.330316	0.335	0.119	6E-190	3	0.133933
ATP9A	3.8E-280	0.491081	0.519	0.227	1.3E-275	3	0.247219
ATRX	2.4E-152	0.371861	0.904	0.884	8.2E-148	3	0.885612
ATXN1	0	0.405832	0.309	0.036	0	3	0.055542
ATXN7L3B	1.07E-71	0.25829	0.802	0.812	3.59E-67	3	0.811698
AUTS2	4.2E-139	0.319663	0.706	0.526	1.4E-134	3	0.538431
AZIN1	3.23E-67	0.288738	0.495	0.398	1.08E-62	3	0.405138
B4GAT1	5.35E-44	0.25804	0.47	0.408	1.79E-39	3	0.412245
BAALC	8.4E-277	0.369562	0.345	0.097	2.8E-272	3	0.114921
BARHL2	0	0.589883	0.268	0.003	0	3	0.021961
BASP1	0	0.763487	0.995	0.994	0	3	0.993995
BAZ2B	3.8E-54	0.33215	0.615	0.586	1.27E-49	3	0.588039
BEX1	0	0.559873	0.969	0.944	0	3	0.945524
BEX2	0	0.693382	0.936	0.839	0	3	0.845848
BEX4	0	0.605926	0.95	0.895	0	3	0.898937
BEX5	0	0.582461	0.475	0.165	0	3	0.186525
BIN1	4.44E-55	0.258617	0.342	0.233	1.49E-50	3	0.240681
BLCAP	0	0.71071	0.724	0.35	0	3	0.376532
BLOC1S2	6.55E-89	0.304466	0.627	0.548	2.2E-84	3	0.553783
BMPR2	5.55E-97	0.347128	0.504	0.367	1.86E-92	3	0.376248
BOD1L1	2.8E-154	0.381808	0.85	0.81	9.5E-150	3	0.813049
BRI3	1.8E-107	0.271972	0.91	0.936	6.1E-103	3	0.933727
BRK1	3.9E-138	0.272295	0.945	0.964	1.3E-133	3	0.963008
BRSK1	4.7E-212	0.38339	0.434	0.185	1.6E-207	3	0.202551
BSDC1	6.1E-104	0.365923	0.525	0.384	2E-99	3	0.393554
BTBD10	1.02E-79	0.257189	0.379	0.238	3.41E-75	3	0.247504
BTBD8	2.4E-160	0.267858	0.267	0.091	8.1E-156	3	0.103017
BTG1	1.49E-62	0.390581	0.828	0.855	4.98E-58	3	0.85299

C11orf96	1.5E-213	0.374165	0.309	0.093	5.1E-209	3	0.10817
C12orf73	2.16E-44	0.254179	0.44	0.366	7.26E-40	3	0.371167
C12orf76	1.07E-96	0.341062	0.596	0.501	3.59E-92	3	0.507764
C14orf132	1.2E-207	0.484842	0.599	0.38	3.9E-203	3	0.395615
C16orf45	1.2E-268	0.52517	0.799	0.634	3.9E-264	3	0.645677
C18orf32	2.66E-83	0.276861	0.476	0.337	8.93E-79	3	0.346647
C1orf216	2.3E-229	0.319369	0.327	0.102	7.7E-225	3	0.117693
C1QTNF4	0	0.703379	0.721	0.382	0	3	0.406062
C3orf14	3.71E-96	0.289384	0.721	0.594	1.24E-91	3	0.603212
C4orf48	0	0.485832	0.981	0.968	0	3	0.968729
CACNA1A	8.2E-136	0.348464	0.402	0.201	2.8E-131	3	0.214918
CACNA2D1	0	0.587087	0.504	0.172	0	3	0.195835
CACNB3	1.35E-60	0.259982	0.365	0.246	4.54E-56	3	0.254575
CACNB4	1.4E-132	0.312962	0.336	0.154	4.5E-128	3	0.166696
CACNG2	0	0.257161	0.206	0.009	0	3	0.022814
CACNG8	2.17E-84	0.27404	0.358	0.203	7.27E-80	3	0.214136
CADM1	3.1E-127	0.518889	0.737	0.7	1E-122	3	0.702392
CADM2	1E-185	0.402576	0.293	0.098	3.4E-181	3	0.111581
CADM3	0	0.486749	0.444	0.124	0	3	0.146477
CALB2	1.9E-299	0.619521	0.366	0.095	6.4E-295	3	0.114317
CALM1	0	0.611744	0.988	0.991	0	3	0.99037
CALM2	0	0.520238	0.989	0.99	0	3	0.989624
CALM3	2.4E-206	0.368796	0.952	0.947	8.1E-202	3	0.947159
CALY	0	0.760032	0.498	0.111	0	3	0.137913
CAMK2B	0	0.790286	0.605	0.077	0	3	0.114459
CAMK2D	1.6E-176	0.469876	0.472	0.246	5.5E-172	3	0.261789
CAMK2N1	0	1.540514	0.951	0.667	0	3	0.687182
CAMK2N2	0	0.730166	0.567	0.091	0	3	0.124729
CAMLG	4.34E-85	0.261327	0.831	0.843	1.45E-80	3	0.841868
CAMSAP2	4.05E-55	0.264054	0.427	0.33	1.36E-50	3	0.336697
CASK	1.7E-116	0.37654	0.543	0.392	5.6E-112	3	0.40258
CCDC112	0	0.6372	0.829	0.617	0	3	0.631996
CCDC115	1.63E-56	0.276644	0.477	0.399	5.45E-52	3	0.404676
CCDC136	3.2E-100	0.271213	0.303	0.149	1.07E-95	3	0.160087
CCDC184	0	0.479841	0.481	0.155	0	3	0.177677
CCDC186	3.8E-139	0.372034	0.424	0.23	1.3E-134	3	0.243844
CCDC28B	1.1E-194	0.480151	0.756	0.656	3.7E-190	3	0.662592
CCDC82	3.7E-202	0.45487	0.624	0.412	1.2E-197	3	0.426673
CCDC88A	6.4E-187	0.475203	0.805	0.705	2.2E-182	3	0.712199
CCDC90B	2.3E-192	0.46448	0.745	0.629	7.6E-188	3	0.637326
CCNG2	3.29E-62	0.269118	0.499	0.394	1.1E-57	3	0.401016
CCNI	0	0.746226	0.985	0.991	0	3	0.990796
CCSER2	3.38E-79	0.30717	0.542	0.441	1.13E-74	3	0.447745
CD200	0	0.552412	0.638	0.293	0	3	0.317757
CD24	0	0.933849	0.981	0.827	0	3	0.837959
CDC42	0	0.847853	0.967	0.867	0	3	0.874205
CDC42EP3	1E-175	0.385635	0.466	0.229	3.5E-171	3	0.246047
CDH8	8E-246	0.334588	0.181	0.03	2.7E-241	3	0.041008

CDK5R1	0	0.642444	0.702	0.287	0	3	0.316407
CDK5R2	0	0.391169	0.338	0.04	0	3	0.061512
CDKN1C	5.2E-139	0.435195	0.445	0.229	1.8E-134	3	0.244448
CDKN2D	0	1.102205	0.909	0.353	0	3	0.392061
CELF2	2.4E-146	0.38151	0.841	0.778	8.2E-142	3	0.782595
CELF3	0	0.543007	0.61	0.188	0	3	0.217547
CELF4	0	1.132583	0.772	0.187	0	3	0.227853
CELF5	0	0.726016	0.815	0.412	0	3	0.44007
CEP170	0	0.712378	0.877	0.616	0	3	0.634626
CHCHD6	6.92E-71	0.291491	0.644	0.611	2.32E-66	3	0.613304
CHD5	0	0.686914	0.572	0.115	0	3	0.147578
CHD9	7.5E-128	0.358469	0.807	0.775	2.5E-123	3	0.77762
CHGB	0	0.742991	0.62	0.1	0	3	0.136314
CHMP5	7.4E-148	0.34515	0.821	0.778	2.5E-143	3	0.781067
CHN1	2.51E-60	0.287531	0.397	0.288	8.41E-56	3	0.296116
CHST1	6.8E-277	0.27963	0.234	0.046	2.3E-272	3	0.059344
CHST8	7.9E-136	0.28579	0.336	0.134	2.7E-131	3	0.148573
CLASP2	0	0.715053	0.719	0.309	0	3	0.338119
CLCN3	4.43E-52	0.280471	0.488	0.416	1.49E-47	3	0.421485
CLCN4	4.9E-201	0.27287	0.273	0.079	1.6E-196	3	0.092427
CLIP1	7.08E-53	0.277037	0.478	0.391	2.38E-48	3	0.397072
CLSTN1	7.57E-51	0.274596	0.544	0.497	2.54E-46	3	0.49984
CLTB	0	0.579827	0.829	0.635	0	3	0.648449
CLTC	6.32E-70	0.301408	0.62	0.567	2.12E-65	3	0.570555
CMAS	1.2E-60	0.277784	0.551	0.494	4.03E-56	3	0.497886
CMIP	3.1E-247	0.497315	0.636	0.379	1E-242	3	0.39725
CNIH2	8.2E-202	0.380228	0.854	0.712	2.7E-197	3	0.721936
CNRIP1	1.2E-214	0.399001	0.367	0.138	4.1E-210	3	0.153975
CNTN1	0	0.316503	0.266	0.043	0	3	0.058456
CNTNAP2	0	0.721462	0.855	0.661	0	3	0.675171
COTL1	1.1E-104	0.328362	0.656	0.519	3.7E-100	3	0.528482
COX20	1.29E-70	0.276311	0.738	0.74	4.31E-66	3	0.740308
COX6A1	5.2E-148	0.272446	0.969	0.98	1.8E-143	3	0.979532
COX7A2	0	0.447823	0.978	0.979	0	3	0.97939
CPE	0	0.614417	0.958	0.876	0	3	0.882165
CPEB4	0	0.456055	0.482	0.169	0	3	0.190825
CREG2	9.1E-250	0.318078	0.279	0.067	3E-245	3	0.081767
CRMP1	0	0.814854	0.982	0.879	0	3	0.885967
CSAD	2.2E-135	0.431643	0.522	0.348	7.3E-131	3	0.360328
CSNK1E	4.42E-68	0.295209	0.662	0.633	1.48E-63	3	0.634945
CSRNP3	0	0.681488	0.638	0.258	0	3	0.284993
CTIF	2.9E-109	0.274893	0.318	0.155	9.9E-105	3	0.16659
CTNND2	1.1E-144	0.409734	0.55	0.36	3.5E-140	3	0.373796
CTTNBP2NI	5.49E-76	0.29282	0.463	0.344	1.84E-71	3	0.352084
CXADR	0	1.005613	0.931	0.621	0	3	0.643261
CXXC4	0	0.439244	0.315	0.053	0	3	0.071426
CXXC5	4.81E-09	0.3069	0.548	0.64	0.000161	3	0.633275
CYCS	8.57E-74	0.255219	0.862	0.883	2.88E-69	3	0.881312

CYTH2	3.17E-50	0.263986	0.55	0.5	1.06E-45	3	0.503962
DAAM1	0	0.666579	0.938	0.839	0	3	0.845919
DACH2	1.4E-125	0.262755	0.276	0.109	4.7E-121	3	0.1205
DACT3	1.4E-195	0.328443	0.361	0.138	4.7E-191	3	0.153371
DCLK1	0	0.623538	0.643	0.275	0	3	0.301304
DCTN1	5.6E-90	0.326968	0.55	0.438	1.88E-85	3	0.44604
DCTN3	1.4E-187	0.364173	0.912	0.878	4.8E-183	3	0.880779
DCTN6	1.54E-72	0.278666	0.634	0.584	5.17E-68	3	0.587577
DCX	0	1.433927	0.987	0.497	0	3	0.53136
DDX24	2.4E-101	0.308482	0.848	0.858	7.89E-97	3	0.857361
DEAF1	2.5E-108	0.366788	0.66	0.58	8.3E-104	3	0.585907
DGKI	1.6E-192	0.261078	0.218	0.055	5.4E-188	3	0.066522
DICER1	8.8E-161	0.44853	0.634	0.479	2.9E-156	3	0.490317
DKK3	3.8E-109	0.335924	0.403	0.23	1.3E-104	3	0.242315
DLG2	0	0.39941	0.323	0.051	0	3	0.070182
DLG4	1.38E-95	0.280003	0.404	0.241	4.62E-91	3	0.252621
DLGAP4	3E-111	0.348924	0.694	0.606	9.9E-107	3	0.611812
DMTN	1.9E-244	0.299282	0.326	0.093	6.3E-240	3	0.109804
DNAJA1	3E-242	0.364837	0.973	0.974	1E-237	3	0.974024
DNAJB6	0	0.526246	0.935	0.869	0	3	0.873814
DNAJC12	0	0.367059	0.334	0.083	0	3	0.100814
DNER	6.4E-217	0.565252	0.732	0.581	2.1E-212	3	0.591663
DNM1	1.3E-173	0.434751	0.544	0.331	4.5E-169	3	0.346434
DNM3	0	0.597578	0.48	0.054	0	3	0.083828
DOC2B	5.4E-299	0.276954	0.237	0.044	1.8E-294	3	0.057319
DPF1	5.7E-175	0.439454	0.638	0.438	1.9E-170	3	0.452081
DPYSL2	0	0.590603	0.93	0.861	0	3	0.865499
DPYSL3	0	1.018212	0.943	0.696	0	3	0.713443
DPYSL5	9.15E-97	0.317188	0.71	0.654	3.07E-92	3	0.657724
DRAP1	9.7E-115	0.275985	0.894	0.907	3.2E-110	3	0.906187
DST	0	0.616943	0.73	0.448	0	3	0.468107
DTD1	9.1E-133	0.324749	0.866	0.865	3E-128	3	0.864646
DTNA	2.1E-257	0.367172	0.314	0.088	7.1E-253	3	0.104296
DUSP26	0	0.576428	0.529	0.122	0	3	0.150705
DUSP4	0	0.55839	0.5	0.166	0	3	0.189439
DUSP8	0	0.620935	0.573	0.179	0	3	0.20678
DYNC1H1	0	0.626522	0.923	0.824	0	3	0.830567
DYNC1I2	1.5E-276	0.513926	0.888	0.818	5E-272	3	0.822892
DYNC1LI1	3.4E-138	0.374146	0.721	0.63	1.2E-133	3	0.63658
DYNC1LI2	6.6E-127	0.366419	0.751	0.7	2.2E-122	3	0.703244
DYNLRB1	0	0.491483	0.935	0.895	0	3	0.897871
DYNLT1	1.3E-112	0.260792	0.922	0.952	4.4E-108	3	0.950108
DZIP3	2.5E-174	0.41074	0.433	0.215	8.3E-170	3	0.230731
EBF1	5E-221	0.33517	0.171	0.03	1.7E-216	3	0.039693
EEF1A2	0	0.686086	0.856	0.614	0	3	0.631356
EFNB3	4.1E-61	0.255103	0.391	0.274	1.38E-56	3	0.282613
EIF1B	4.2E-264	0.447556	0.926	0.913	1.4E-259	3	0.913471
EIF4A2	0	0.72686	0.965	0.883	0	3	0.88849



EIF4G2	0	0.582797	0.965	0.946	0	3	0.947194
ELAVL2	1E-217	0.468025	0.527	0.253	3.4E-213	3	0.272236
ELAVL3	0	0.559889	0.91	0.713	0	3	0.727302
ELAVL4	2.8E-215	0.394818	0.716	0.374	9.4E-211	3	0.398245
ELMO1	4.3E-257	0.271021	0.205	0.038	1.4E-252	3	0.049572
ELOVL4	1.6E-130	0.317646	0.385	0.196	5.4E-126	3	0.208948
EMC7	2.99E-78	0.307771	0.592	0.509	1E-73	3	0.5148
ENC1	0	0.825649	0.8	0.462	0	3	0.486266
ENDOG	2.19E-53	0.260132	0.521	0.446	7.36E-49	3	0.451476
ENHO	1.6E-194	0.463722	0.798	0.697	5.5E-190	3	0.704559
ENO2	1.8E-287	0.558338	0.778	0.558	6.2E-283	3	0.573149
EPB41L1	0	0.412582	0.382	0.098	0	3	0.118155
EPB41L4A-	1.65E-50	0.256436	0.596	0.561	5.55E-46	3	0.563839
EPC1	8.3E-143	0.409068	0.718	0.641	2.8E-138	3	0.646779
EPCAM	0	0.382393	0.269	0.029	0	3	0.045592
EPHA5	2.56E-72	0.28642	0.279	0.146	8.58E-68	3	0.155005
EPM2AIP1	7.57E-56	0.270117	0.558	0.502	2.54E-51	3	0.506236
ERC1	5.26E-69	0.292091	0.486	0.374	1.76E-64	3	0.381969
ETFB	0	0.758802	0.904	0.751	0	3	0.76138
EVL	0	0.633872	0.963	0.892	0	3	0.896805
EXOC7	7.84E-56	0.263719	0.533	0.47	2.63E-51	3	0.474894
FAIM2	1.1E-225	0.303279	0.298	0.086	3.6E-221	3	0.100849
FAM110B	1.5E-112	0.336751	0.395	0.222	5.1E-108	3	0.234213
FAM155A	0	0.302204	0.253	0.037	0	3	0.052201
FAM177A1	2.6E-153	0.400342	0.654	0.508	8.6E-149	3	0.518354
FAM20C	9.5E-101	0.298202	0.336	0.178	3.2E-96	3	0.188799
FAM217B	1.69E-61	0.279917	0.364	0.247	5.66E-57	3	0.254931
FAM229B	2E-115	0.353915	0.695	0.623	6.6E-111	3	0.628158
FAM241B	0	0.580075	0.596	0.251	0	3	0.275505
FAM49B	2.04E-60	0.272357	0.688	0.698	6.83E-56	3	0.697168
FAM57B	4.1E-243	0.490423	0.659	0.396	1.4E-238	3	0.414626
FAM89B	2.8E-122	0.316086	0.836	0.804	9.5E-118	3	0.806617
FAXC	1.3E-111	0.321153	0.436	0.269	4.3E-107	3	0.280836
FBXW11	1.29E-58	0.276361	0.54	0.479	4.32E-54	3	0.482996
FEZ1	2E-204	0.375887	0.954	0.933	6.6E-200	3	0.934686
FEZF1	2.54E-70	0.408174	0.114	0.035	8.53E-66	3	0.040475
FGF13	8.1E-197	0.458541	0.485	0.252	2.7E-192	3	0.268043
FGF14	0	0.413528	0.263	0.01	0	3	0.02786
FGF9	2.1E-154	0.329441	0.337	0.142	6.9E-150	3	0.155645
FKBP1B	4.89E-96	0.345797	0.617	0.533	1.64E-91	3	0.538574
FNBP1L	0	0.819511	0.939	0.794	0	3	0.804627
FOXP2	3.01E-59	0.483183	0.16	0.069	1.01E-54	3	0.075619
FRRS1L	0	0.703817	0.556	0.076	0	3	0.10952
FRY	2.9E-176	0.263798	0.243	0.072	9.6E-172	3	0.084219
FSIP2	1.05E-29	0.266651	0.311	0.235	3.53E-25	3	0.240432
FST	2.4E-137	0.55069	0.152	0.036	8.2E-133	3	0.04417
FTH1	0	0.435587	0.995	0.997	0	3	0.997299
FTX	1.36E-68	0.336775	0.558	0.48	4.55E-64	3	0.485235



FXYD6	3.4E-279	0.446166	0.952	0.929	1.1E-274	3	0.931026
FXYD7	0	0.489704	0.46	0.124	0	3	0.147578
GABARAPL1	1.3E-109	0.309696	0.44	0.263	4.5E-105	3	0.27579
GABARAPL2	0	0.58002	0.963	0.925	0	3	0.928112
GABBR1	8.54E-72	0.282595	0.361	0.233	2.86E-67	3	0.24228
GABBR2	0	0.373388	0.307	0.042	0	3	0.060659
GABRA2	1.6E-136	0.283021	0.195	0.057	5.3E-132	3	0.0667
GABRB3	0	0.619622	0.566	0.187	0	3	0.213425
GABRG2	2E-242	0.311775	0.229	0.049	6.6E-238	3	0.061583
GAP43	0	1.243259	0.977	0.753	0	3	0.768416
GAS7	3.4E-114	0.269945	0.283	0.124	1.1E-109	3	0.134857
GDAP1	6.9E-123	0.370258	0.544	0.384	2.3E-118	3	0.395046
GDAP1L1	0	0.639093	0.709	0.299	0	3	0.327814
GDI1	6.5E-272	0.511919	0.778	0.545	2.2E-267	3	0.561352
GFOD2	1.95E-92	0.30744	0.496	0.362	6.54E-88	3	0.371771
GJD2	0	0.331444	0.228	0.008	0	3	0.02356
GNAI1	4.55E-93	0.342047	0.452	0.305	1.53E-88	3	0.315092
GNAL	0	0.411023	0.356	0.071	0	3	0.091219
GNAO1	0	0.624431	0.7	0.398	0	3	0.419672
GNAQ	3.2E-141	0.417343	0.594	0.437	1.1E-136	3	0.448136
GNAS	0	0.393617	0.997	0.998	0	3	0.998365
GNB1	1.4E-120	0.344861	0.797	0.782	4.6E-116	3	0.783341
GNG2	0	0.73377	0.703	0.259	0	3	0.290786
GNG3	0	0.89722	0.799	0.324	0	3	0.357876
GNPTAB	2.1E-265	0.453279	0.472	0.194	7E-261	3	0.213177
GPC2	4.7E-255	0.536432	0.738	0.482	1.6E-250	3	0.50048
GPM6A	0	0.843414	0.958	0.673	0	3	0.693152
GPR137C	6.6E-128	0.282379	0.27	0.107	2.2E-123	3	0.118866
GPR162	3.3E-161	0.340687	0.409	0.193	1.1E-156	3	0.207988
GPR27	1.96E-57	0.275135	0.464	0.38	6.58E-53	3	0.385914
GPR85	0	0.341461	0.305	0.067	0	3	0.083473
GPRIN1	3.2E-119	0.275442	0.351	0.173	1.1E-114	3	0.185317
GRB2	4.5E-180	0.425001	0.734	0.604	1.5E-175	3	0.613411
GRIA2	0	1.219135	0.706	0.13	0	3	0.171138
GRID2	6.7E-157	0.48928	0.324	0.133	2.3E-152	3	0.146335
GRIN2B	0	0.845347	0.578	0.061	0	3	0.097225
GRIPAP1	9.17E-84	0.321541	0.479	0.348	3.08E-79	3	0.357095
GRM3	3.6E-141	0.318034	0.289	0.114	1.2E-136	3	0.12679
GSE1	2.1E-148	0.443579	0.524	0.325	7E-144	3	0.338972
GSK3B	7.3E-108	0.334533	0.639	0.53	2.4E-103	3	0.537436
GSTA4	4.7E-158	0.349877	0.889	0.864	1.6E-153	3	0.865819
GUK1	2.6E-170	0.34566	0.907	0.899	8.7E-166	3	0.899577
H3F3B	0	0.618324	0.994	0.996	0	3	0.995594
HAGH	1.4E-122	0.349156	0.714	0.623	4.7E-118	3	0.629295
HCFC1R1	1.5E-53	0.262491	0.513	0.435	5.03E-49	3	0.440176
HDGFL3	8.8E-243	0.498587	0.837	0.755	3E-238	3	0.760456
HECTD4	5.5E-125	0.334537	0.468	0.281	1.9E-120	3	0.294268
HERC1	2E-223	0.481166	0.611	0.367	6.7E-219	3	0.384386

HERPUD1	1.11E-86	0.31788	0.496	0.359	3.72E-82	3	0.368608
HIP1R	0	0.602582	0.588	0.238	0	3	0.262322
HK1	2.14E-86	0.300684	0.467	0.331	7.16E-82	3	0.340713
HMGCR	1.92E-81	0.335041	0.767	0.756	6.44E-77	3	0.756938
HPCAL4	1.5E-211	0.286524	0.259	0.07	4.9E-207	3	0.083721
HRAS	7.95E-96	0.292847	0.785	0.776	2.66E-91	3	0.776731
HSD11B1L	7.76E-55	0.270944	0.511	0.439	2.6E-50	3	0.444298
HSDL1	3.1E-115	0.356984	0.553	0.404	1.1E-110	3	0.414555
HSPA13	2.09E-43	0.251606	0.438	0.366	7.02E-39	3	0.371096
HSPA1A	0	0.522224	0.48	0.161	0	3	0.183114
ID2	0.000216	0.292606	0.339	0.354	1	3	0.353221
IDS	2E-284	0.509924	0.624	0.325	6.8E-280	3	0.346327
IER5L	2.14E-30	0.270348	0.471	0.431	7.16E-26	3	0.433496
IFT20	4.67E-55	0.258441	0.524	0.459	1.57E-50	3	0.463416
INA	0	1.262796	0.947	0.39	0	3	0.429231
INAFM1	1.23E-63	0.290027	0.447	0.335	4.13E-59	3	0.343129
ING4	4.66E-46	0.259819	0.556	0.522	1.56E-41	3	0.524679
INPP5F	5.2E-111	0.329592	0.402	0.232	1.8E-106	3	0.244092
IP6K2	1.9E-117	0.34017	0.763	0.719	6.3E-113	3	0.722149
IRGQ	1.7E-106	0.322464	0.441	0.274	5.6E-102	3	0.285491
ISLR2	4.4E-150	0.332045	0.346	0.141	1.5E-145	3	0.155254
ITFG1	1.1E-118	0.366185	0.537	0.385	3.8E-114	3	0.395366
ITM2B	2.6E-158	0.30791	0.901	0.881	8.6E-154	3	0.882271
JAKMIP2	5.8E-111	0.33991	0.672	0.558	1.9E-106	3	0.566433
JPH4	0	0.642364	0.707	0.353	0	3	0.378203
JPT1	0	0.583981	0.994	0.986	0	3	0.986745
JUN	1.18E-81	0.556286	0.704	0.69	3.97E-77	3	0.69102
KALRN	1.1E-142	0.352704	0.421	0.217	3.6E-138	3	0.231157
KBTBD6	2.79E-50	0.25476	0.365	0.265	9.35E-46	3	0.272201
KCNC1	2.6E-113	0.272273	0.307	0.142	8.7E-109	3	0.154046
KCNJ6	4.6E-177	0.250637	0.207	0.051	1.6E-172	3	0.062009
KCNMA1	0	0.32235	0.276	0.052	0	3	0.068228
KCNQ1OT1	3.3E-260	0.818163	0.739	0.448	1.1E-255	3	0.468356
KDM5B	1.09E-84	0.278985	0.796	0.751	3.67E-80	3	0.754167
KHDRBS3	6.2E-68	0.377651	0.495	0.371	2.08E-63	3	0.380086
KIAA0232	1.47E-64	0.282434	0.513	0.424	4.93E-60	3	0.430262
KIAA0895L	4.5E-105	0.302853	0.342	0.179	1.5E-100	3	0.190221
KIAA0930	1.9E-128	0.363242	0.459	0.278	6.5E-124	3	0.290999
KIAA1109	2.58E-68	0.318093	0.415	0.295	8.65E-64	3	0.303543
KIAA1549	4.3E-124	0.379135	0.471	0.299	1.4E-119	3	0.310934
KIAA2026	3.81E-64	0.289213	0.434	0.325	1.28E-59	3	0.332255
KIDINS220	0	1.046874	0.945	0.55	0	3	0.577876
KIF1A	0	0.618314	0.882	0.717	0	3	0.728297
KIF1B	1.1E-202	0.463681	0.851	0.799	3.5E-198	3	0.802352
KIF21B	0	0.483492	0.477	0.12	0	3	0.145695
KIF3A	0	0.697217	0.845	0.573	0	3	0.591806
KIF3B	2.36E-52	0.254255	0.399	0.295	7.93E-48	3	0.302654
KIF3C	3E-283	0.474924	0.557	0.252	1E-278	3	0.273871

KIF5A	5.6E-290	0.534593	0.588	0.288	1.9E-285	3	0.308802
KIF5C	0	1.103487	0.969	0.609	0	3	0.634093
KIFAP3	0	0.664364	0.779	0.45	0	3	0.473544
KIFC2	2.5E-140	0.266711	0.285	0.111	8.3E-136	3	0.122846
KIRREL3	0	0.287089	0.206	0.011	0	3	0.025159
KLC1	0	0.66077	0.817	0.54	0	3	0.559397
KLF6	5.6E-43	0.320483	0.512	0.46	1.88E-38	3	0.463736
KLF7	3.6E-204	0.388004	0.47	0.213	1.2E-199	3	0.231086
KMT2E	7E-291	0.503407	0.895	0.813	2.3E-286	3	0.819232
KMT5B	9.3E-122	0.37366	0.63	0.513	3.1E-117	3	0.521588
KPNA5	9.57E-47	0.256465	0.409	0.323	3.21E-42	3	0.329342
L1CAM	0	0.61482	0.552	0.122	0	3	0.151914
LBH	4.18E-67	0.277326	0.45	0.326	1.4E-62	3	0.334565
LCOR	2.46E-79	0.315925	0.584	0.495	8.26E-75	3	0.501084
LDOC1	1E-100	0.345247	0.571	0.443	3.47E-96	3	0.452436
LHFPL6	1.4E-121	0.362455	0.33	0.147	4.8E-117	3	0.15998
LHX5	0	0.275859	0.149	0.003	0	3	0.013255
LHX5-AS1	0	0.404424	0.182	0.004	0	3	0.016666
LHX9	7.1E-164	0.391954	0.234	0.067	2.4E-159	3	0.07896
LIN7B	3.5E-187	0.355506	0.389	0.167	1.2E-182	3	0.182367
LIN7C	8E-151	0.379674	0.466	0.267	2.7E-146	3	0.281013
LINC00632	7.9E-130	0.399201	0.508	0.337	2.6E-125	3	0.348815
LINC01122	2.3E-134	0.289758	0.299	0.122	7.7E-130	3	0.134928
LINGO1	0	0.66035	0.623	0.168	0	3	0.200171
LMO2	3.72E-93	0.35572	0.331	0.176	1.25E-88	3	0.187129
LMO3	2.3E-114	0.448536	0.286	0.124	7.9E-110	3	0.135638
LMO4	3.2E-149	0.942249	0.626	0.453	1.1E-144	3	0.465406
LMTK3	1.3E-163	0.250847	0.252	0.08	4.5E-159	3	0.091823
LNPK	1.82E-83	0.359189	0.385	0.247	6.11E-79	3	0.257205
LONRF2	4.94E-66	0.256608	0.329	0.205	1.66E-61	3	0.213816
LRCH2	5.4E-101	0.307981	0.463	0.296	1.8E-96	3	0.30802
LRFN5	0	0.25256	0.173	0.016	0	3	0.027398
LRIF1	2.05E-59	0.27311	0.473	0.38	6.88E-55	3	0.386163
LRP1	4.6E-85	0.325631	0.487	0.357	1.54E-80	3	0.366085
LRP12	1.64E-83	0.28494	0.371	0.226	5.51E-79	3	0.235955
LRRC24	8.7E-208	0.381908	0.425	0.183	2.9E-203	3	0.199602
LRRC4C	0	0.498869	0.37	0.076	0	3	0.096727
LRRC7	0	0.312448	0.287	0.061	0	3	0.076934
LRRN3	8.2E-284	0.434997	0.268	0.058	2.7E-279	3	0.073132
LSAMP	3.84E-25	0.371113	0.42	0.395	1.29E-20	3	0.396717
LUC7L3	1.3E-114	0.303037	0.955	0.959	4.3E-110	3	0.958495
LY6H	0	0.958036	0.86	0.508	0	3	0.532959
MAB21L1	0	1.347914	0.538	0.007	0	3	0.044739
MACF1	1.6E-158	0.425711	0.777	0.694	5.4E-154	3	0.699691
MACO1	3E-176	0.410052	0.592	0.377	9.9E-172	3	0.39231
MAFB	0	0.656741	0.296	0.063	0	3	0.079102
MAGEH1	3.4E-190	0.489757	0.685	0.523	1.1E-185	3	0.53438
MAGI2	3.5E-118	0.325663	0.369	0.192	1.2E-113	3	0.204755

MALAT1	0	0.645295	1	0.999	0	3	0.999325
MAP1B	0	0.608901	1	0.996	0	3	0.996304
MAP1LC3A	0	0.852156	0.88	0.605	0	3	0.62464
MAP1LC3B	2E-144	0.366673	0.814	0.775	6.8E-140	3	0.777975
MAP2	0	0.989444	0.973	0.748	0	3	0.763903
MAP4	1.7E-104	0.353839	0.664	0.591	5.9E-100	3	0.595857
MAP4K4	3.1E-150	0.33325	0.86	0.788	1E-145	3	0.793184
MAP6	0	0.729959	0.802	0.502	0	3	0.52276
MAP7D1	6.69E-60	0.263393	0.551	0.479	2.24E-55	3	0.484098
MAPK10	5.5E-182	0.466211	0.591	0.383	1.8E-177	3	0.397854
MAPK6	1.06E-66	0.285184	0.528	0.437	3.56E-62	3	0.443339
MAPK8	4.4E-101	0.324158	0.555	0.407	1.47E-96	3	0.417647
MAPK8IP2	2.9E-114	0.324098	0.476	0.297	9.6E-110	3	0.309797
MAPRE2	1.4E-130	0.36107	0.501	0.324	4.6E-126	3	0.336697
MAPRE3	0	0.587489	0.653	0.322	0	3	0.345368
MAPT	0	1.351958	0.915	0.229	0	3	0.277069
MARCKSL1	0	0.446192	0.993	0.997	0	3	0.99666
MAST1	4.6E-128	0.297799	0.348	0.165	1.6E-123	3	0.17757
MEAF6	3.2E-244	0.467877	0.862	0.82	1.1E-239	3	0.823176
MED10	9.47E-60	0.255444	0.668	0.663	3.18E-55	3	0.663338
MEF2C	0	0.478627	0.328	0.077	0	3	0.094382
MEIS1	0	0.769432	0.485	0.051	0	3	0.081625
MEIS2	0	1.598266	0.795	0.666	0	3	0.675456
MEIS3	1.54E-94	0.307818	0.667	0.571	5.18E-90	3	0.578089
MEST	2.8E-113	0.31707	0.468	0.269	9.5E-109	3	0.283359
MGAT4C	0	0.2547	0.16	0.008	0	3	0.018798
MGST3	4.7E-307	0.467847	0.955	0.929	1.6E-302	3	0.930919
MIAT	0	0.707847	0.733	0.349	0	3	0.376035
MICAL3	1.7E-100	0.306193	0.364	0.207	5.59E-96	3	0.217832
MICU3	5.2E-106	0.323571	0.434	0.276	1.8E-101	3	0.28677
MIR124-2H	3.07E-87	0.321051	0.366	0.22	1.03E-82	3	0.230091
MIR7-3HG	0	0.41702	0.274	0.016	0	3	0.034007
MKRN1	5.62E-53	0.259249	0.65	0.646	1.89E-48	3	0.646281
MLLT11	0	0.782445	0.973	0.826	0	3	0.836751
MLLT3	5.5E-108	0.368687	0.448	0.28	1.8E-103	3	0.291603
MMD	1.08E-65	0.291221	0.458	0.354	3.61E-61	3	0.361572
MMP17	1.2E-120	0.335761	0.302	0.136	4.1E-116	3	0.147791
MOAP1	4.3E-101	0.348887	0.541	0.412	1.43E-96	3	0.421485
MORF4L2	6.3E-175	0.366482	0.897	0.884	2.1E-170	3	0.884652
MOSMO	8.7E-76	0.277288	0.396	0.266	2.92E-71	3	0.274759
MPC1	6.39E-47	0.250101	0.547	0.5	2.14E-42	3	0.503109
MPHOSPH8	8.49E-95	0.328008	0.776	0.752	2.85E-90	3	0.753278
MRAS	5.2E-118	0.281414	0.346	0.17	1.7E-113	3	0.182083
MT-ND2	7.1E-296	0.532423	0.985	0.982	2.4E-291	3	0.982339
MT-ND4	2E-162	0.27536	0.993	0.991	6.8E-158	3	0.990903
MT-ND5	1.6E-225	0.446593	0.965	0.964	5.2E-221	3	0.96418
MTMR4	4.46E-63	0.29643	0.536	0.451	1.5E-58	3	0.456878
MTMR9	3.66E-69	0.289745	0.435	0.317	1.23E-64	3	0.325362

MTSS1	4.8E-229	0.502552	0.55	0.29	1.6E-224	3	0.308695
MTUS1	5.26E-64	0.269437	0.365	0.245	1.76E-59	3	0.253189
MTX2	1.9E-156	0.408186	0.725	0.632	6.4E-152	3	0.638712
MUM1	4.37E-67	0.298017	0.567	0.498	1.47E-62	3	0.502896
MVB12B	3.2E-237	0.383306	0.382	0.138	1.1E-232	3	0.155609
MYCBP2	0	0.708626	0.782	0.52	0	3	0.538787
MYL12B	2.7E-186	0.353394	0.928	0.922	9.1E-182	3	0.922675
MYO5A	1.6E-203	0.428741	0.47	0.228	5.2E-199	3	0.24491
MYT1L	0	0.704306	0.625	0.147	0	3	0.180946
N4BP2	9.7E-53	0.281536	0.535	0.477	3.25E-48	3	0.481539
N4BP2L2	4.76E-64	0.27026	0.762	0.779	1.6E-59	3	0.777762
NAGK	6.39E-60	0.283377	0.464	0.373	2.14E-55	3	0.379837
NAP1L3	0	0.68373	0.623	0.281	0	3	0.305177
NAP1L5	1.3E-191	0.334062	0.397	0.167	4.3E-187	3	0.183149
NAV1	1.15E-96	0.327376	0.63	0.506	3.85E-92	3	0.5148
NAV3	0	0.350392	0.31	0.064	0	3	0.081163
NBDY	1.7E-106	0.317591	0.781	0.765	5.7E-102	3	0.765822
NBEA	0	0.60174	0.642	0.299	0	3	0.322839
NCAM1	0	0.940469	0.922	0.631	0	3	0.651114
NCS1	1.8E-249	0.503067	0.646	0.388	6.2E-245	3	0.40656
NDFIP1	0	0.710471	0.909	0.74	0	3	0.752105
NDN	0	0.560091	0.899	0.818	0	3	0.823745
NDRG4	0	0.431337	0.411	0.117	0	3	0.137913
NDUFA5	1.3E-292	0.492886	0.916	0.876	4.2E-288	3	0.87854
NECAP1	1.5E-219	0.460577	0.526	0.277	5E-215	3	0.294624
NEDD4L	2E-180	0.466681	0.627	0.437	6.7E-176	3	0.450659
NEFL	0	0.743356	0.382	0.066	0	3	0.088625
NEFM	2.9E-284	0.756761	0.37	0.108	9.6E-280	3	0.126222
NEGR1	0	0.324685	0.232	0.038	0	3	0.051882
NEO1	5.5E-76	0.289605	0.42	0.283	1.85E-71	3	0.292562
NEXMIF	6.2E-93	0.347335	0.483	0.34	2.08E-88	3	0.350378
NFASC	1.1E-148	0.34691	0.457	0.232	3.7E-144	3	0.248214
NKAIN1	1.07E-74	0.288983	0.482	0.353	3.58E-70	3	0.362389
NLGN4X	1.09E-55	0.273434	0.343	0.234	3.66E-51	3	0.241463
NLRP1	0	0.817736	0.903	0.687	0	3	0.701858
NMNAT2	2.7E-182	0.278313	0.331	0.119	9.1E-178	3	0.134039
NNAT	0	1.661849	0.975	0.639	0	3	0.662805
NOL4	0	0.734301	0.608	0.151	0	3	0.183043
NORAD	2.4E-99	0.347067	0.657	0.574	8.07E-95	3	0.580043
NOVA1	6.4E-245	0.696952	0.707	0.531	2.2E-240	3	0.543051
NOVA2	1.7E-132	0.365521	0.581	0.408	5.6E-128	3	0.420667
NPDC1	1.1E-209	0.448716	0.836	0.752	3.7E-205	3	0.757791
NR2F1	0.000287	0.401274	0.569	0.774	1	3	0.75907
NR2F2	0	1.314595	0.777	0.374	0	3	0.402686
NRCAM	1.7E-141	0.322452	0.419	0.196	5.8E-137	3	0.212146
NREP	0	0.787154	0.969	0.908	0	3	0.912405
NRGN	2.3E-164	0.606899	0.338	0.144	7.8E-160	3	0.157848
NRIP1	9.23E-92	0.510529	0.465	0.342	3.1E-87	3	0.350485

NRN1	4.2E-233	0.522833	0.417	0.149	1.4E-228	3	0.16762
NRP2	0	0.973194	0.635	0.114	0	3	0.15067
NRXN1	0	0.889983	0.849	0.341	0	3	0.376888
NRXN2	8.7E-277	0.596037	0.676	0.427	2.9E-272	3	0.444902
NRXN3	1.7E-149	0.268259	0.181	0.047	5.7E-145	3	0.056359
NSD3	0	0.567741	0.94	0.898	0	3	0.90107
NSF	1.95E-64	0.25499	0.338	0.217	6.55E-60	3	0.225685
NSG1	0	0.995799	0.969	0.712	0	3	0.730642
NSG2	0	1.333166	0.941	0.205	0	3	0.257382
NTM	0	1.365257	0.742	0.063	0	3	0.111297
NTRK2	0	0.303268	0.288	0.05	0	3	0.066735
NUDT14	5.13E-50	0.261127	0.443	0.353	1.72E-45	3	0.359724
NUDT3	8.5E-167	0.442215	0.723	0.6	2.8E-162	3	0.608756
NUP93	2.2E-120	0.373257	0.544	0.381	7.5E-116	3	0.39231
OCIAD1	2E-232	0.435955	0.894	0.854	6.6E-228	3	0.857183
OCIAD2	0	0.640098	0.852	0.624	0	3	0.640205
ODF2L	5.7E-156	0.426776	0.65	0.505	1.9E-151	3	0.515618
OGA	6.27E-57	0.279686	0.627	0.599	2.1E-52	3	0.600725
OLFM1	0	0.814136	0.765	0.453	0	3	0.475392
OLFM2	0	0.690574	0.783	0.357	0	3	0.387335
OPCML	0	0.479243	0.357	0.052	0	3	0.0737
OPTN	0	0.605002	0.63	0.236	0	3	0.264241
OSBPL8	4.38E-44	0.252855	0.668	0.673	1.47E-39	3	0.672897
OTUD6B-AS	1.25E-60	0.275205	0.574	0.516	4.19E-56	3	0.520166
P4HTM	1.61E-64	0.271093	0.438	0.324	5.41E-60	3	0.332255
PAFAH1B1	2.2E-144	0.386216	0.803	0.775	7.5E-140	3	0.776909
PAFAH1B3	0	0.485237	0.975	0.974	0	3	0.974379
PAK3	0	1.239992	0.933	0.494	0	3	0.524715
PAK5	0	0.519867	0.539	0.183	0	3	0.20845
PAPPA2	1.1E-158	0.723031	0.238	0.077	3.6E-154	3	0.08827
PARP6	8.4E-144	0.316945	0.406	0.199	2.8E-139	3	0.213852
PBRM1	2.19E-66	0.285901	0.643	0.599	7.36E-62	3	0.601649
PBX1	0	0.849881	0.811	0.676	0	3	0.68569
PBX3	0	2.043169	0.776	0.29	0	3	0.324509
PCDH11X	0	0.802618	0.39	0.044	0	3	0.068192
PCDH17	2.1E-223	0.477356	0.279	0.079	6.9E-219	3	0.092854
PCDH7	1.6E-280	0.415616	0.281	0.065	5.5E-276	3	0.080523
PCLO	0	0.642515	0.568	0.194	0	3	0.220426
PCMT1	6.3E-152	0.368599	0.826	0.795	2.1E-147	3	0.79688
PCNX4	2.86E-32	0.256118	0.544	0.538	9.6E-28	3	0.538396
PCSK1N	0	1.283234	0.994	0.86	0	3	0.869408
PCSK2	0	0.763282	0.466	0.083	0	3	0.109911
PDE4DIP	1.8E-269	0.45583	0.453	0.173	6.1E-265	3	0.192353
PDPK1	9.6E-59	0.266528	0.427	0.327	3.22E-54	3	0.333783
PDS5B	1.87E-32	0.253959	0.475	0.444	6.27E-28	3	0.446395
PDZD4	2.72E-80	0.269849	0.338	0.197	9.14E-76	3	0.206993
PEG10	0	0.960129	0.919	0.867	0	3	0.87026
PFDN2	1.3E-269	0.437325	0.931	0.91	4.5E-265	3	0.911908



PGM2L1	0	1.148099	0.883	0.391	0	3	0.426104
PGRMC1	0	0.498193	0.966	0.946	0	3	0.947123
PHYHIPL	1E-294	0.463222	0.488	0.191	3.4E-290	3	0.21172
PIK3R1	2.7E-111	0.404991	0.486	0.325	9.2E-107	3	0.336058
PIK3R3	1.47E-72	0.288966	0.488	0.37	4.92E-68	3	0.378451
PINK1	1.06E-88	0.297419	0.464	0.321	3.57E-84	3	0.330976
PIP4K2B	3.04E-75	0.285637	0.423	0.295	1.02E-70	3	0.304183
PIP4P2	1.84E-67	0.266546	0.375	0.253	6.18E-63	3	0.261718
PITHD1	1.6E-112	0.355097	0.659	0.576	5.4E-108	3	0.581607
PJA2	2.4E-301	0.603859	0.784	0.575	8.2E-297	3	0.590206
PKIA	0	1.0554	0.894	0.557	0	3	0.580719
PLD3	1.3E-289	0.544886	0.857	0.72	4.2E-285	3	0.729967
PLEKHA1	2.32E-89	0.31598	0.474	0.34	7.78E-85	3	0.349561
PLK2	0	0.59527	0.503	0.139	0	3	0.165062
PLPPR1	2.7E-219	0.342444	0.365	0.124	9E-215	3	0.141289
PLPPR2	0	0.515409	0.58	0.238	0	3	0.262606
PLPPR3	5.8E-228	0.447327	0.902	0.862	2E-223	3	0.864895
PLXNA1	1.03E-48	0.264403	0.344	0.245	3.46E-44	3	0.252123
PLXNA2	1.1E-102	0.292157	0.35	0.168	3.62E-98	3	0.180839
PLXNC1	1.9E-257	0.285786	0.232	0.049	6.2E-253	3	0.06176
PMEPA1	3.03E-39	0.252071	0.47	0.417	1.02E-34	3	0.421023
PNCK	6.7E-293	0.321735	0.256	0.052	2.2E-288	3	0.066842
PNMA2	6.1E-63	0.279927	0.491	0.395	2.05E-58	3	0.401656
PNPLA8	2.16E-94	0.31637	0.507	0.363	7.23E-90	3	0.373334
PODXL2	0	0.637583	0.892	0.709	0	3	0.722043
POU2F2	0	0.661782	0.55	0.163	0	3	0.190327
PPFIA2	0	0.453131	0.437	0.134	0	3	0.155467
PPFIBP1	2.3E-172	0.407693	0.442	0.229	7.8E-168	3	0.244128
PPM1K	6E-227	0.446013	0.46	0.207	2E-222	3	0.22501
PPP1R14C	0	0.555627	0.379	0.021	0	3	0.046622
PPP1R15A	4.51E-67	0.289363	0.443	0.322	1.51E-62	3	0.330265
PPP1R1A	0	0.625659	0.592	0.218	0	3	0.24395
PPP1R2	1.65E-53	0.258903	0.567	0.529	5.53E-49	3	0.531715
PPP1R9A	2.77E-96	0.342804	0.398	0.243	9.28E-92	3	0.253758
PPP2R2B	0	0.675941	0.698	0.326	0	3	0.352475
PPP3CA	1.82E-61	0.284707	0.537	0.44	6.12E-57	3	0.446999
PPP3CB	1.1E-128	0.357825	0.518	0.342	3.5E-124	3	0.354785
PRDM2	1.27E-54	0.281458	0.515	0.444	4.27E-50	3	0.449131
PRDX5	7.7E-214	0.353219	0.963	0.973	2.6E-209	3	0.972211
PREPL	1.3E-128	0.359133	0.495	0.318	4.3E-124	3	0.330976
PRKACB	1.3E-141	0.379503	0.454	0.257	4.5E-137	3	0.270921
PRKAR2A	5.55E-81	0.338695	0.565	0.474	1.86E-76	3	0.480687
PRKAR2B	0	0.693654	0.721	0.37	0	3	0.394407
PRKCZ	1.64E-93	0.271105	0.383	0.223	5.5E-89	3	0.234782
PRMT2	1.2E-191	0.451204	0.764	0.646	4.1E-187	3	0.654348
PRNP	9.53E-72	0.255985	0.398	0.261	3.2E-67	3	0.270637
PRRC2B	5.6E-119	0.343021	0.762	0.726	1.9E-114	3	0.728546
PSD	1.4E-236	0.376486	0.367	0.126	4.7E-232	3	0.142781

PTPRD	0	0.533327	0.454	0.139	0	3	0.161011
PTPRN	0	0.289872	0.264	0.047	0	3	0.062116
PTS	8.65E-53	0.269397	0.545	0.502	2.9E-48	3	0.504602
PWAR6	7E-259	0.527808	0.567	0.294	2.4E-254	3	0.31367
RAB11B	2E-115	0.34062	0.708	0.636	6.9E-111	3	0.641306
RAB14	6E-187	0.434367	0.764	0.663	2E-182	3	0.670445
RAB18	1.9E-103	0.3285	0.653	0.569	6.3E-99	3	0.575282
RAB1A	1.03E-63	0.269201	0.641	0.615	3.45E-59	3	0.616432
RAB2A	0	0.502305	0.923	0.88	0	3	0.882947
RAB33A	0	0.520372	0.584	0.243	0	3	0.26751
RAB3A	0	0.79232	0.796	0.251	0	3	0.28908
RAB3C	1.8E-287	0.403663	0.355	0.104	6.2E-283	3	0.12146
RAB6A	2.3E-192	0.45404	0.645	0.452	7.6E-188	3	0.465371
RAB6B	3.89E-73	0.288399	0.44	0.319	1.3E-68	3	0.327529
RAB7A	3.48E-79	0.294696	0.654	0.606	1.17E-74	3	0.609467
RAB9B	9.5E-179	0.338349	0.375	0.159	3.2E-174	3	0.174656
RABEP1	1.8E-122	0.356343	0.657	0.543	5.9E-118	3	0.55094
RABGAP1L	3.2E-173	0.309898	0.325	0.125	1.1E-168	3	0.139334
RAC3	2.34E-62	0.269834	0.748	0.762	7.84E-58	3	0.761238
RALGDS	7.51E-57	0.256636	0.45	0.351	2.52E-52	3	0.357983
RALYL	5.45E-84	0.256235	0.257	0.111	1.83E-79	3	0.121673
RASAL2	5E-119	0.400703	0.521	0.367	1.7E-114	3	0.378309
RBFOX1	0	0.292427	0.187	0.022	0	3	0.03351
RBFOX2	0	1.0435	0.938	0.551	0	3	0.578409
REEP1	0	0.64635	0.588	0.167	0	3	0.196759
REEP2	1.09E-90	0.287373	0.474	0.327	3.66E-86	3	0.337266
RELN	1.5E-201	0.411435	0.227	0.055	5E-197	3	0.067624
RERE	3.1E-126	0.393409	0.745	0.693	1E-121	3	0.696777
RETREG2	1.82E-66	0.284109	0.511	0.421	6.12E-62	3	0.427064
RFK	4.81E-86	0.314873	0.584	0.497	1.61E-81	3	0.503003
RGMA	1.08E-63	0.408552	0.444	0.345	3.63E-59	3	0.351551
RGS17	4.1E-294	0.513678	0.517	0.207	1.4E-289	3	0.228777
RHOB	3.46E-53	0.271099	0.462	0.372	1.16E-48	3	0.378274
RIC3	0	0.583409	0.501	0.095	0	3	0.123556
RIMS1	2.6E-277	0.292513	0.27	0.061	8.7E-273	3	0.075655
RIMS2	0	0.7232	0.495	0.096	0	3	0.124196
RIPOR2	0	0.402332	0.326	0.057	0	3	0.07601
RND2	2.4E-100	0.308741	0.435	0.267	7.92E-96	3	0.278775
RNF146	2.32E-53	0.264315	0.471	0.385	7.78E-49	3	0.391493
RNF165	2.3E-187	0.478331	0.635	0.434	7.7E-183	3	0.448349
RNF24	1.54E-75	0.290701	0.589	0.5	5.16E-71	3	0.506343
RNF5	8.06E-58	0.256541	0.69	0.684	2.7E-53	3	0.68402
RNMT	3.43E-62	0.269435	0.697	0.693	1.15E-57	3	0.693401
ROGDI	6.7E-184	0.402544	0.594	0.36	2.3E-179	3	0.376604
RPAIN	5.8E-258	0.429703	0.926	0.886	1.9E-253	3	0.888526
RPS6KL1	9.1E-229	0.340641	0.355	0.118	3.1E-224	3	0.134608
RRAGA	7.3E-99	0.32962	0.68	0.622	2.45E-94	3	0.626204
RRAGB	2.39E-78	0.261788	0.356	0.219	8.03E-74	3	0.228848

RTN1	0	1.53298	0.99	0.292	0	3	0.341246
RTN2	4.5E-219	0.384377	0.513	0.234	1.5E-214	3	0.253331
RTN3	0	0.549877	0.974	0.941	0	3	0.943143
RTN4	0	0.545102	0.99	0.982	0	3	0.982588
RUFY2	2.2E-213	0.491078	0.59	0.353	7.3E-209	3	0.370101
RUFY3	0	0.70672	0.856	0.617	0	3	0.633702
RUNDC3B	0	0.546184	0.482	0.088	0	3	0.116129
RUNX1T1	0	0.736429	0.512	0.135	0	3	0.161686
RUSC1	1.79E-63	0.279513	0.501	0.41	6.02E-59	3	0.416403
RUSC2	3.1E-172	0.275316	0.286	0.097	1E-167	3	0.110266
RYBP	6.92E-74	0.313228	0.468	0.356	2.32E-69	3	0.364095
SAMD3	0	0.325432	0.214	0.015	0	3	0.029175
SARAF	0	0.933748	0.983	0.914	0	3	0.918979
SBK1	0	0.600711	0.782	0.54	0	3	0.556981
SCAMP1	7.72E-64	0.302334	0.49	0.406	2.59E-59	3	0.411606
SCAMP5	7.5E-142	0.321504	0.38	0.184	2.5E-137	3	0.197576
SCAPER	5.8E-102	0.337788	0.48	0.331	1.93E-97	3	0.341139
SCARB2	6.68E-80	0.303186	0.563	0.459	2.24E-75	3	0.466224
SCD5	1.3E-159	0.417033	0.545	0.332	4.4E-155	3	0.347216
SCG2	2.9E-294	0.885036	0.669	0.381	9.6E-290	3	0.40091
SCG3	0	0.951973	0.866	0.247	0	3	0.290324
SCG5	0	1.096325	0.574	0.086	0	3	0.120785
SCN2A	0	0.57106	0.446	0.049	0	3	0.077147
SCN3A	0	0.506443	0.425	0.058	0	3	0.084361
SCN3B	0	0.753822	0.58	0.081	0	3	0.116165
SCN9A	0	0.25253	0.189	0.018	0	3	0.030418
SCOC	5.1E-146	0.370226	0.766	0.716	1.7E-141	3	0.71991
SCRT2	2.2E-170	0.283279	0.352	0.131	7.4E-166	3	0.146974
SDC3	0	0.736092	0.63	0.173	0	3	0.205501
SEC11C	0	0.725202	0.925	0.712	0	3	0.726804
SEC62	6.4E-277	0.484436	0.911	0.851	2.1E-272	3	0.855691
SECISBP2L	6.9E-53	0.25137	0.376	0.272	2.32E-48	3	0.279343
SELENOW	0	0.559264	0.947	0.873	0	3	0.878149
SEMA3A	2.4E-140	0.314546	0.291	0.113	7.9E-136	3	0.125795
SENP7	4.05E-59	0.261696	0.378	0.264	1.36E-54	3	0.272414
SERINC1	0	0.628987	0.731	0.44	0	3	0.460822
SERINC3	3.37E-90	0.301226	0.439	0.293	1.13E-85	3	0.303259
SERP2	0	0.580642	0.566	0.201	0	3	0.227142
SERPINI1	8.57E-55	0.261392	0.303	0.181	2.88E-50	3	0.189474
SESTD1	3.3E-184	0.477826	0.643	0.472	1.1E-179	3	0.484489
SETBP1	2.18E-25	0.259858	0.483	0.468	7.31E-21	3	0.469386
SEZ6L	3.89E-78	0.4147	0.368	0.231	1.3E-73	3	0.240716
SEZ6L2	0	0.995161	0.88	0.265	0	3	0.308447
SGIP1	0	0.344548	0.324	0.067	0	3	0.085534
SH3BP5	0	0.803264	0.79	0.234	0	3	0.272947
SH3GL3	3.3E-293	0.418481	0.417	0.14	1.1E-288	3	0.15934
SH3GLB1	1.8E-103	0.340228	0.524	0.388	6E-99	3	0.397747
SHISA5	5.54E-46	0.253007	0.492	0.433	1.86E-41	3	0.436871

SHTN1	0	0.586518	0.603	0.224	0	3	0.250524
SIPA1L2	2.64E-39	0.268595	0.311	0.222	8.85E-35	3	0.228492
SIRT2	8.34E-55	0.252293	0.396	0.293	2.8E-50	3	0.300487
SIX3	4.17E-10	0.584774	0.138	0.218	1.4E-05	3	0.212004
SKIL	2.33E-75	0.295854	0.397	0.264	7.81E-71	3	0.273231
SLC12A5	1.8E-229	0.489827	0.553	0.306	5.9E-225	3	0.323656
SLC17A6	0	0.605842	0.445	0.059	0	3	0.086635
SLC1A2	3.63E-88	0.328999	0.481	0.331	1.22E-83	3	0.341957
SLC1A6	7E-82	0.309886	0.406	0.267	2.35E-77	3	0.276998
SLC22A17	3.5E-180	0.476778	0.679	0.492	1.2E-175	3	0.504922
SLC25A4	2.8E-274	0.525308	0.831	0.701	9.3E-270	3	0.710387
SLC38A1	1.7E-163	0.423943	0.753	0.649	5.6E-159	3	0.656409
SLC4A8	8.84E-80	0.317722	0.454	0.321	2.96E-75	3	0.330834
SLC8A1	0	0.54772	0.468	0.145	0	3	0.168118
SLIT1	4.3E-121	0.253589	0.257	0.096	1.4E-116	3	0.106926
SMAP2	2.2E-170	0.379451	0.482	0.26	7.4E-166	3	0.275328
SMARCC2	2.1E-111	0.366737	0.67	0.595	7.1E-107	3	0.600583
SMARCD3	5.3E-134	0.409899	0.617	0.485	1.8E-129	3	0.49419
SMIM18	0	0.45374	0.409	0.07	0	3	0.093529
SMIM29	3.1E-117	0.276965	0.346	0.172	1E-112	3	0.18386
SNAP25	0	0.693039	0.647	0.158	0	3	0.192495
SNAP91	2.2E-215	0.284555	0.283	0.081	7.4E-211	3	0.095128
SNCA	2.33E-95	0.381924	0.493	0.331	7.8E-91	3	0.34288
SNRPN	0	0.540807	0.948	0.919	0	3	0.920721
SNTG1	0	0.25002	0.163	0.018	0	3	0.028215
SNX4	3.47E-98	0.328328	0.522	0.383	1.16E-93	3	0.39295
SOBP	3.5E-272	0.544821	0.534	0.257	1.2E-267	3	0.276252
SOGA1	1.08E-76	0.268722	0.362	0.227	3.63E-72	3	0.236203
SORBS2	0	0.600021	0.728	0.423	0	3	0.444298
SOX11	5.8E-249	0.468983	0.961	0.924	1.9E-244	3	0.926762
SOX4	0	0.695156	0.986	0.981	0	3	0.981735
SPAST	3.07E-59	0.286595	0.475	0.381	1.03E-54	3	0.387904
SPIN1	1.8E-117	0.369749	0.604	0.482	6.1E-113	3	0.490494
SPINT2	0	0.628021	0.738	0.368	0	3	0.394229
SPOCK1	4.4E-42	0.274384	0.289	0.193	1.48E-37	3	0.19946
SPP1	0	0.279088	0.13	0.004	0	3	0.012686
SPTAN1	0	0.645095	0.825	0.56	0	3	0.578373
SPTBN1	0	0.749215	0.766	0.4	0	3	0.426104
SRCIN1	5.8E-150	0.348482	0.389	0.189	1.9E-145	3	0.203191
SRGAP1	4.5E-196	0.457268	0.651	0.423	1.5E-191	3	0.439288
SRPK2	9.6E-120	0.337266	0.772	0.736	3.2E-115	3	0.738709
SRRM3	3E-249	0.305184	0.317	0.089	1E-244	3	0.104936
SRRM4	9.9E-214	0.373977	0.431	0.164	3.3E-209	3	0.182403
SSBP2	4.6E-120	0.44042	0.715	0.643	1.5E-115	3	0.64852
SSBP3	9.7E-66	0.313521	0.637	0.61	3.25E-61	3	0.612381
ST3GAL5	1.5E-99	0.253565	0.282	0.131	5.11E-95	3	0.141928
STARD3NL	1.41E-86	0.30813	0.62	0.538	4.72E-82	3	0.543975
STAU2	4.75E-61	0.279719	0.516	0.437	1.59E-56	3	0.442379

STMN1	0	0.833066	0.997	0.996	0	3	0.995985
STMN2	0	2.113048	0.991	0.254	0	3	0.306315
STMN3	8.78E-60	0.282332	0.598	0.552	2.95E-55	3	0.555702
STMN4	0	1.519842	0.964	0.513	0	3	0.544579
STOX2	7.85E-37	0.251973	0.483	0.436	2.63E-32	3	0.439714
STRBP	8.14E-89	0.316659	0.708	0.672	2.73E-84	3	0.674105
STX12	3.5E-223	0.470009	0.596	0.358	1.2E-218	3	0.374436
STX7	4.8E-201	0.456549	0.554	0.322	1.6E-196	3	0.338581
STXBP1	1.1E-297	0.52389	0.643	0.323	3.7E-293	3	0.345546
SULT4A1	9.6E-134	0.282102	0.349	0.159	3.2E-129	3	0.17256
SV2A	0	0.603396	0.644	0.339	0	3	0.360506
SVBP	6.1E-235	0.484111	0.812	0.688	2E-230	3	0.696422
SYN1	0	0.33245	0.306	0.06	0	3	0.077503
SYNE1	7.8E-142	0.323745	0.327	0.142	2.6E-137	3	0.154792
SYNGR3	9.7E-159	0.287701	0.309	0.117	3.3E-154	3	0.130806
SYP	0	0.620477	0.672	0.295	0	3	0.321239
SYT1	0	0.889775	0.941	0.695	0	3	0.71227
SYT13	0	0.316396	0.28	0.052	0	3	0.068548
SYT4	2E-209	0.394036	0.319	0.097	6.8E-205	3	0.112363
SYT5	0	0.712606	0.628	0.137	0	3	0.1716
TAC1	0	0.930405	0.328	0.004	0	3	0.026794
TACC2	1.1E-169	0.356163	0.406	0.187	3.7E-165	3	0.202765
TAGLN3	0	0.821685	0.945	0.525	0	3	0.554565
TANC2	4.6E-255	0.451474	0.481	0.204	1.5E-250	3	0.223446
TAOK1	2.38E-50	0.269276	0.544	0.493	7.97E-46	3	0.496713
TAOK3	1.4E-169	0.443084	0.562	0.362	4.7E-165	3	0.376461
TAX1BP1	6.22E-61	0.28671	0.574	0.514	2.09E-56	3	0.518496
TBCB	9.3E-211	0.379275	0.926	0.917	3.1E-206	3	0.917274
TBR1	1.4E-160	0.379946	0.43	0.184	4.8E-156	3	0.201023
TCAF1	3.2E-122	0.368303	0.717	0.634	1.1E-117	3	0.64024
TCEAL1	9.17E-65	0.277652	0.351	0.231	3.08E-60	3	0.239792
TCEAL2	9.9E-229	0.525452	0.772	0.607	3.3E-224	3	0.618244
TCEAL3	1.18E-91	0.340027	0.673	0.611	3.97E-87	3	0.615579
TCEAL4	2.4E-220	0.425773	0.895	0.858	8.1E-216	3	0.860204
TCEAL5	9.56E-87	0.29063	0.304	0.157	3.21E-82	3	0.167407
TCEAL7	0	0.773863	0.778	0.575	0	3	0.588856
TENM2	5.4E-263	0.28453	0.183	0.029	1.8E-258	3	0.039942
TERF2IP	0	0.985322	0.972	0.792	0	3	0.80484
THRA	7.4E-213	0.46655	0.665	0.415	2.5E-208	3	0.432607
TIPRL	5.25E-79	0.288241	0.66	0.624	1.76E-74	3	0.626133
TLE1	5.67E-56	0.377571	0.626	0.635	1.9E-51	3	0.634448
TM2D3	1.6E-80	0.317226	0.589	0.521	5.37E-76	3	0.525887
TMCC1	2.52E-93	0.266244	0.328	0.177	8.44E-89	3	0.18784
TMEFF2	9.35E-73	0.351484	0.312	0.179	3.14E-68	3	0.18887
TMEM132A	3.4E-169	0.420653	0.778	0.666	1.1E-164	3	0.673963
TMEM132E	7.2E-295	0.256072	0.183	0.026	2.4E-290	3	0.036637
TMEM14A	1.72E-85	0.322995	0.553	0.449	5.77E-81	3	0.456061
TMEM151E	2.5E-126	0.27173	0.301	0.128	8.5E-122	3	0.140613



TMEM160	2.5E-278	0.511312	0.892	0.846	8.3E-274	3	0.849472
TMEM163	9.97E-95	0.311089	0.388	0.221	3.34E-90	3	0.233005
TMEM196	3E-246	0.293495	0.263	0.063	1E-241	3	0.077325
TMEM246	1.87E-89	0.306548	0.396	0.25	6.26E-85	3	0.259941
TMEM35A	0	0.619934	0.589	0.188	0	3	0.216623
TMEM59L	0	0.634744	0.743	0.473	0	3	0.491987
TMEM9B	8.97E-80	0.296635	0.447	0.319	3.01E-75	3	0.328204
TMOD2	0	0.527654	0.539	0.221	0	3	0.243559
TMSB10	0	0.657891	0.996	0.999	0	3	0.998472
TMTC4	9.32E-38	0.25552	0.402	0.33	3.12E-33	3	0.335489
TMX4	0	0.624587	0.652	0.364	0	3	0.38467
TNIK	0	0.417875	0.383	0.091	0	3	0.111155
TNRC6B	3.5E-296	0.591318	0.837	0.686	1.2E-291	3	0.696848
TNRC6C	1.3E-166	0.457466	0.586	0.394	4.3E-162	3	0.40791
TP53BP1	1.86E-82	0.309845	0.618	0.542	6.23E-78	3	0.547067
TRAPPC4	8.84E-87	0.299222	0.732	0.716	2.96E-82	3	0.716819
TRIB2	9.1E-185	0.48308	0.489	0.269	3E-180	3	0.284176
TRIM2	5E-124	0.386001	0.63	0.508	1.7E-119	3	0.516613
TRIM36	6.45E-89	0.348784	0.487	0.359	2.16E-84	3	0.368075
TRIM8	2.52E-86	0.327827	0.527	0.411	8.44E-82	3	0.419424
TRIO	2.1E-166	0.409549	0.491	0.281	6.9E-162	3	0.295796
TSC22D1	0	0.794003	0.95	0.877	0	3	0.881987
TSC22D3	7E-293	0.48384	0.491	0.196	2.4E-288	3	0.217263
TSG101	4.78E-73	0.274736	0.68	0.651	1.6E-68	3	0.653104
TSHZ1	2.44E-51	0.369925	0.396	0.307	8.19E-47	3	0.313137
TSHZ2	4.5E-136	0.545907	0.407	0.219	1.5E-131	3	0.232401
TSPAN13	2E-172	0.430657	0.77	0.658	6.7E-168	3	0.666323
TSPAN7	1.5E-118	0.370199	0.424	0.25	5E-114	3	0.262393
TSPYL1	2.53E-60	0.282554	0.488	0.395	8.48E-56	3	0.40162
TSPYL4	1.1E-137	0.390738	0.621	0.477	3.8E-133	3	0.487047
TTC3	6.5E-301	0.460179	0.972	0.958	2.2E-296	3	0.95885
TTC9B	0	1.005981	0.837	0.172	0	3	0.218684
TTLL7	1.5E-208	0.460962	0.567	0.318	5.1E-204	3	0.335311
TUBA1A	0	0.598419	1	1	0	3	0.999609
TUBB2A	0	1.089013	0.993	0.912	0	3	0.917451
TUBB2B	0	0.498017	0.997	0.996	0	3	0.995736
TUBB3	3.5E-102	0.332509	0.533	0.373	1.18E-97	3	0.384279
TUBB4A	3.2E-254	0.422697	0.479	0.195	1.1E-249	3	0.21474
TULP4	9.3E-136	0.38608	0.552	0.382	3.1E-131	3	0.393909
TXN	4.91E-16	0.262151	0.928	0.979	1.65E-11	3	0.974983
TXNIP	1.3E-295	0.691271	0.774	0.562	4.4E-291	3	0.576739
UBC	0	0.470666	0.993	0.994	0	3	0.993959
UBE2E3	1.4E-217	0.46974	0.897	0.886	4.7E-213	3	0.886394
UBE2H	5.2E-166	0.418128	0.644	0.466	1.7E-161	3	0.478981
UBE2V2	2.3E-108	0.294597	0.846	0.865	7.8E-104	3	0.864077
UBL3	5.44E-86	0.313728	0.413	0.275	1.82E-81	3	0.284674
UCHL1	0	1.035585	0.989	0.955	0	3	0.957251
UGCG	6.9E-108	0.316015	0.404	0.238	2.3E-103	3	0.249991



UNCX	0	0.746258	0.413	0.016	0	3	0.04449
USP11	2.3E-180	0.455839	0.826	0.766	7.8E-176	3	0.770477
USP22	4.6E-89	0.300769	0.749	0.726	1.54E-84	3	0.727515
VAMP2	0	1.125375	0.967	0.757	0	3	0.772041
VAPA	5.5E-110	0.310914	0.835	0.839	1.9E-105	3	0.83906
VASH2	1.4E-169	0.321178	0.348	0.14	4.6E-165	3	0.155041
VAT1	6.1E-96	0.334693	0.475	0.324	2.05E-91	3	0.334636
VAT1L	3.9E-178	0.308459	0.262	0.082	1.3E-173	3	0.094311
VOPP1	4.13E-47	0.286355	0.536	0.507	1.39E-42	3	0.509292
VPS26B	1.88E-44	0.250584	0.423	0.339	6.32E-40	3	0.345226
VPS28	4.3E-151	0.329199	0.906	0.89	1.5E-146	3	0.891546
WASF1	1.32E-61	0.288812	0.506	0.423	4.43E-57	3	0.42845
WBP2	1.77E-55	0.262606	0.489	0.408	5.92E-51	3	0.41356
WDR47	1.47E-76	0.269877	0.398	0.256	4.92E-72	3	0.265982
WDR82	1.32E-70	0.303974	0.593	0.537	4.43E-66	3	0.54131
WNK3	7.1E-139	0.401793	0.593	0.445	2.4E-134	3	0.455243
WRB	1.6E-223	0.46408	0.729	0.556	5.4E-219	3	0.567926
WSB1	1.5E-103	0.331766	0.883	0.877	5.1E-99	3	0.877865
WSB2	2.1E-167	0.393193	0.574	0.37	7E-163	3	0.384563
XKR4	0	0.598785	0.446	0.045	0	3	0.072954
XKR6	2.78E-95	0.258172	0.306	0.156	9.32E-91	3	0.166661
XPR1	2.1E-141	0.38835	0.488	0.273	7E-137	3	0.288298
YPEL3	8.1E-220	0.479076	0.615	0.385	2.7E-215	3	0.401549
YWHAB	0	0.504989	0.983	0.974	0	3	0.974486
YWHAG	8.1E-259	0.513139	0.773	0.588	2.7E-254	3	0.601009
YWHAH	0	0.779979	0.957	0.865	0	3	0.871291
YWHAQ	7.5E-240	0.326483	0.98	0.988	2.5E-235	3	0.987101
ZBTB20	2.2E-105	0.444311	0.537	0.398	7.4E-101	3	0.408052
ZBTB38	8.6E-174	0.283769	0.28	0.093	2.9E-169	3	0.106642
ZC2HC1A	0	0.840948	0.821	0.443	0	3	0.469351
ZC3H6	2.5E-77	0.305802	0.476	0.351	8.4E-73	3	0.359404
ZCCHC12	0	0.484928	0.426	0.073	0	3	0.097545
ZFHX2	2.8E-77	0.261449	0.331	0.194	9.4E-73	3	0.204008
ZFHX3	0	0.9217	0.633	0.26	0	3	0.285882
ZFHX4	1.02E-41	0.48959	0.407	0.342	3.4E-37	3	0.346754
ZFP14	3.17E-52	0.269844	0.437	0.348	1.06E-47	3	0.354607
ZMIZ1	9.14E-81	0.314171	0.481	0.36	3.07E-76	3	0.368182
ZMYND8	4.96E-70	0.323569	0.531	0.443	1.66E-65	3	0.449096
ZNF428	0	0.519548	0.98	0.983	0	3	0.982552
ZNF652	6.93E-49	0.258957	0.439	0.358	2.32E-44	3	0.363704
ZNF793	2.3E-67	0.278396	0.4	0.277	7.71E-63	3	0.285313
ZNF821	4.4E-156	0.405988	0.604	0.431	1.5E-151	3	0.442984
ZNF91	1.5E-132	0.39106	0.668	0.55	5.2E-128	3	0.558758
ZNRF1	1E-278	0.541914	0.799	0.643	3.5E-274	3	0.65385
ABHD14A	1.6E-191	0.385383	0.76	0.449	5.4E-187	4	0.466615
ABHD6	6E-276	0.25553	0.443	0.12	2E-271	4	0.138232
AC002454.	0	0.289045	0.287	0.022	0	4	0.037099
AC084033.	5.1E-162	0.328421	0.812	0.509	1.7E-157	4	0.525887

ACADVL	0	0.522858	0.858	0.44	0	4	0.463061
ACTA2	0	0.718906	0.246	0.021	0	4	0.033474
ACTN1	1.2E-102	0.262859	0.601	0.346	4.14E-98	4	0.360613
ADAM9	0	0.384676	0.617	0.155	0	4	0.180484
ADAMTS1	0	0.299137	0.285	0.029	0	4	0.043211
ADD3	0	0.480694	0.745	0.277	0	4	0.303507
ADGRL3	0	0.513111	0.636	0.089	0	4	0.119932
ADGRV1	0	0.674807	0.826	0.35	0	4	0.376248
AGPAT2	1.2E-112	0.255402	0.603	0.338	4E-108	4	0.35283
AGTRAP	0	0.466124	0.744	0.296	0	4	0.320671
AHNAK	0	0.44132	0.675	0.209	0	4	0.234782
AIG1	8.6E-149	0.292868	0.76	0.464	2.9E-144	4	0.48058
AL355338.	7.1E-202	0.266507	0.524	0.204	2.4E-197	4	0.222025
ALDH9A1	0	0.613699	0.885	0.545	0	4	0.563662
ALKBH7	1.3E-236	0.405435	0.965	0.828	4.2E-232	4	0.835685
ANXA1	0	0.724217	0.384	0.016	0	4	0.036353
ANXA2	0	1.360972	0.866	0.142	0	4	0.1829
ANXA3	0	0.303367	0.293	0.007	0	4	0.023311
ANXA5	6.8E-295	0.518352	0.962	0.714	2.3E-290	4	0.727764
ANXA6	5.8E-270	0.379661	0.76	0.369	1.9E-265	4	0.390889
APLP2	0	0.732253	0.941	0.709	0	4	0.721581
APOE	0	0.792354	0.432	0.035	0	4	0.056892
APP	4.7E-154	0.277253	0.916	0.699	1.6E-149	4	0.711275
ARFGAP3	9.1E-133	0.271624	0.714	0.418	3.1E-128	4	0.434988
ARID5B	1.1E-173	0.369203	0.641	0.324	3.8E-169	4	0.341992
ARL1	6.2E-194	0.324112	0.765	0.435	2.1E-189	4	0.453253
ARL4A	0	0.659343	0.709	0.19	0	4	0.219466
ARL4C	0	0.647456	0.743	0.335	0	4	0.357876
ATP11C	0	0.519176	0.583	0.158	0	4	0.181515
ATP1A2	0	0.76392	0.616	0.038	0	4	0.070076
ATP1B1	6.3E-185	0.369398	0.76	0.433	2.1E-180	4	0.450979
ATP1B2	0	0.427834	0.69	0.254	0	4	0.278562
ATP2B1	3.7E-148	0.469124	0.802	0.571	1.3E-143	4	0.583703
ATP5IF1	1.6E-203	0.331877	0.988	0.944	5.2E-199	4	0.946057
ATP6AP2	1.6E-163	0.319847	0.893	0.669	5.2E-159	4	0.681426
ATP6VOE1	2.6E-145	0.302899	0.912	0.744	8.6E-141	4	0.753314
ATRAID	5.5E-273	0.449248	0.932	0.718	1.8E-268	4	0.729825
B2M	4.8E-195	0.465047	0.849	0.554	1.6E-190	4	0.570555
B4GAT1	6E-174	0.306062	0.727	0.394	2E-169	4	0.412245
B9D1	2.6E-229	0.27122	0.568	0.215	8.6E-225	4	0.235066
BAALC	0	0.441161	0.475	0.094	0	4	0.114921
BAMBI	0	0.590953	0.545	0.072	0	4	0.098575
BCAM	2E-206	0.281909	0.573	0.24	6.8E-202	4	0.258449
BCAP31	9.5E-170	0.33154	0.863	0.615	3.2E-165	4	0.628833
BLVRB	0	0.533117	0.804	0.335	0	4	0.361643
BMP7	0	0.772956	0.836	0.311	0	4	0.339967
BORCS7	3.3E-142	0.301321	0.793	0.519	1.1E-137	4	0.534523
BRI3	3.2E-162	0.314781	0.982	0.931	1.1E-157	4	0.933727

BSG	0	0.540189	0.983	0.92	0	4	0.923812
C19orf53	4.1E-189	0.32129	0.985	0.911	1.4E-184	4	0.915035
C19orf70	7.3E-110	0.26096	0.839	0.62	2.4E-105	4	0.6326
C1orf122	0	0.773608	0.974	0.77	0	4	0.781813
C3orf58	0	0.394903	0.57	0.158	0	4	0.180591
C4orf3	8E-119	0.280274	0.932	0.763	2.7E-114	4	0.772503
C5orf49	0	0.661707	0.656	0.07	0	4	0.102519
C6orf118	0	0.260332	0.408	0.073	0	4	0.091859
C7orf50	2.8E-226	0.392154	0.962	0.845	9.3E-222	4	0.851853
C9orf116	1.1E-244	0.383911	0.662	0.289	3.8E-240	4	0.310295
CA2	0	0.511533	0.4	0.019	0	4	0.040013
CA4	0	0.298025	0.191	0.001	0	4	0.0113
CALB1	0	0.429852	0.24	0.006	0	4	0.019402
CALD1	9.2E-115	0.454787	0.934	0.786	3.1E-110	4	0.794712
CALR	0	0.63226	0.98	0.889	0	4	0.894496
CALU	4.4E-248	0.468175	0.922	0.712	1.5E-243	4	0.723855
CANX	4.8E-289	0.495636	0.955	0.78	1.6E-284	4	0.789844
CAPSL	0	0.333485	0.328	0.002	0	4	0.019793
CAST	0	0.328428	0.536	0.152	0	4	0.173164
CAVIN1	0	0.312258	0.401	0.015	0	4	0.036175
CCDC80	0	0.392096	0.397	0.019	0	4	0.0398
CCK	0	0.292529	0.176	0.003	0	4	0.012402
CCND1	4.4E-146	0.435445	0.849	0.605	1.5E-141	4	0.618422
CD151	2.4E-160	0.32725	0.814	0.534	7.9E-156	4	0.549447
CD59	2.2E-238	0.40071	0.807	0.461	7.4E-234	4	0.480011
CD63	0	1.066117	0.989	0.952	0	4	0.953875
CD81	0	0.513865	0.983	0.955	0	4	0.956469
CD9	0	0.546559	0.541	0.045	0	4	0.072385
CD99	8.8E-209	0.48651	0.943	0.705	3E-204	4	0.718382
CDH11	0	0.39804	0.529	0.033	0	4	0.061014
CDH2	5E-114	0.324793	0.96	0.877	1.7E-109	4	0.881205
CDH6	0	0.473723	0.419	0.02	0	4	0.042749
CDK6	2E-113	0.279749	0.523	0.271	6.6E-109	4	0.284674
CDKN1C	0	0.451575	0.654	0.22	0	4	0.244448
CDO1	0	1.33107	0.927	0.31	0	4	0.344515
CETN2	0	0.533039	0.935	0.72	0	4	0.732099
CFAP126	0	0.847228	0.601	0.003	0	4	0.036033
CFAP46	0	0.265778	0.416	0.079	0	4	0.098149
CFI	0	0.378262	0.449	0.077	0	4	0.097971
CHCHD10	1.6E-173	0.353175	0.611	0.302	5.4E-169	4	0.31964
CHCHD5	2.9E-212	0.372855	0.856	0.575	9.9E-208	4	0.590278
CHID1	2.8E-227	0.400368	0.866	0.598	9.3E-223	4	0.613091
CHMP2A	7.2E-246	0.411795	0.95	0.805	2.4E-241	4	0.812942
CHPF	1E-306	0.285521	0.519	0.151	3.5E-302	4	0.171742
CIB1	0	0.621966	0.811	0.289	0	4	0.318148
CITED2	3.8E-177	0.306159	0.672	0.329	1.3E-172	4	0.348069
CLDN3	0	0.457965	0.402	0.006	0	4	0.028037
CLDN5	0	1.042765	0.419	0.012	0	4	0.034363

CLEC11A	1E-203	0.319744	0.724	0.37	3.5E-199	4	0.389858
CLIC1	2.9E-219	0.437955	0.95	0.73	9.6E-215	4	0.742085
CLU	0	1.581841	0.976	0.626	0	4	0.645748
CMTM6	2.5E-186	0.302537	0.741	0.399	8.4E-182	4	0.41818
CNN3	3.63E-90	0.304288	0.959	0.889	1.22E-85	4	0.892754
CNPY2	2.1E-121	0.263843	0.933	0.788	7E-117	4	0.795956
CNTNAP2	4E-185	0.404787	0.913	0.661	1.3E-180	4	0.675171
COL11A1	9.6E-161	0.259381	0.563	0.252	3.2E-156	4	0.269642
COL18A1	6E-275	0.4134	0.628	0.259	2E-270	4	0.279983
COL1A2	0	0.814077	0.316	0.019	0	4	0.035251
COL26A1	0	0.313744	0.466	0.075	0	4	0.096905
COL4A5	2E-144	0.296675	0.713	0.406	6.6E-140	4	0.422942
COL6A1	8.2E-284	0.412209	0.768	0.37	2.8E-279	4	0.392666
COL6A2	0	0.380207	0.525	0.094	0	4	0.118226
COL9A2	0	0.483654	0.448	0.083	0	4	0.103301
COLEC12	0	0.54483	0.454	0.012	0	4	0.036282
COMT	1.7E-178	0.4059	0.687	0.387	5.7E-174	4	0.404108
COTL1	2E-119	0.352904	0.775	0.514	6.6E-115	4	0.528482
CP	0	0.929055	0.518	0.005	0	4	0.033403
CPXM1	6.1E-219	0.260676	0.511	0.185	2E-214	4	0.203582
CRABP2	0	0.683304	0.627	0.136	0	4	0.163391
CRB2	4.7E-169	0.278332	0.649	0.313	1.6E-164	4	0.332255
CRELD2	3.4E-145	0.255502	0.684	0.364	1.1E-140	4	0.381472
CRYAB	0	0.361606	0.175	0.009	0	4	0.018549
CST3	0	0.768736	0.973	0.796	0	4	0.805622
CSTB	2.8E-152	0.303588	0.976	0.907	9.3E-148	4	0.910486
CTGF	0	0.723708	0.507	0.039	0	4	0.065172
CTNNA1	2.5E-142	0.29841	0.782	0.495	8.4E-138	4	0.510998
CTSD	0	0.597571	0.875	0.48	0	4	0.502363
CTSH	0	0.26093	0.399	0.059	0	4	0.077965
CTSL	0	0.389888	0.677	0.229	0	4	0.253936
CUTA	9E-129	0.271285	0.977	0.926	3E-124	4	0.928645
CXCL14	0	0.655913	0.376	0.035	0	4	0.054262
CXCR4	8.21E-59	0.260299	0.508	0.325	2.75E-54	4	0.334921
CXXC5	1.4E-131	0.318887	0.851	0.62	4.7E-127	4	0.633275
CYBA	2.8E-139	0.40981	0.529	0.276	9.5E-135	4	0.290572
CYP1B1	0	0.429162	0.233	0.008	0	4	0.02093
CYSTM1	0	0.910241	0.863	0.327	0	4	0.357343
DAD1	0	0.479419	0.977	0.92	0	4	0.922853
DALRD3	1.4E-189	0.329436	0.801	0.465	4.6E-185	4	0.483352
DDOST	1.2E-148	0.316522	0.896	0.693	4.2E-144	4	0.704382
DDR1	5.27E-97	0.266418	0.763	0.53	1.77E-92	4	0.542554
DECR1	1.6E-275	0.402153	0.785	0.394	5.3E-271	4	0.415728
DKK3	0	0.493694	0.721	0.214	0	4	0.242315
DMD	8.7E-215	0.346512	0.653	0.3	2.9E-210	4	0.319925
DMKN	0	0.516686	0.499	0.01	0	4	0.037206
DNAJC3	2E-250	0.257129	0.533	0.18	6.6E-246	4	0.199389
DNAJC4	1.6E-250	0.378436	0.753	0.367	5.4E-246	4	0.388437

DNALI1	0	0.466965	0.687	0.236	0	4	0.26122
DNPH1	1.5E-176	0.379793	0.878	0.644	5E-172	4	0.65751
DPCD	0	0.517387	0.814	0.428	0	4	0.449806
ECEL1	2.3E-55	0.304661	0.531	0.377	7.73E-51	4	0.385523
ECH1	3.8E-177	0.338993	0.877	0.639	1.3E-172	4	0.652145
ECHS1	3.5E-144	0.282247	0.947	0.819	1.2E-139	4	0.826516
EDNRB	6.6E-278	0.374464	0.308	0.066	2.2E-273	4	0.079528
EFHC1	4.7E-211	0.382835	0.805	0.481	1.6E-206	4	0.498632
EIF3E	1.9E-180	0.39599	0.995	0.952	6.3E-176	4	0.95423
EMC2	0	0.508788	0.742	0.324	0	4	0.347784
EPHX1	0	0.400621	0.621	0.205	0	4	0.228279
ERBB4	0	0.254608	0.349	0.018	0	4	0.036317
ERGIC3	2.6E-177	0.343958	0.859	0.605	8.7E-173	4	0.619488
ERP29	6.5E-186	0.341058	0.966	0.883	2.2E-181	4	0.887602
EVA1B	0	0.318669	0.425	0.057	0	4	0.077929
FAM107A	0	0.660288	0.48	0.028	0	4	0.052912
FAM181B	0	0.744136	0.616	0.042	0	4	0.074482
FAM213A	1.8E-105	0.264653	0.954	0.765	6E-101	4	0.775736
FAM229B	7.5E-141	0.30558	0.858	0.615	2.5E-136	4	0.628158
FAM234A	2.5E-166	0.25415	0.584	0.268	8.4E-162	4	0.285917
FAM81B	0	0.341446	0.385	0.002	0	4	0.02324
FAM84B	0	0.26376	0.337	0.031	0	4	0.048186
FAM89A	9.8E-114	0.89584	0.517	0.273	3.3E-109	4	0.286273
FEZ2	3.5E-274	0.453888	0.864	0.551	1.2E-269	4	0.568139
FEZF1-AS1	0	0.352435	0.367	0.051	0	4	0.068477
FGFR2	3.5E-296	0.398358	0.602	0.224	1.2E-291	4	0.244803
FKBP10	3.6E-256	0.379788	0.771	0.382	1.2E-251	4	0.403397
FKBP2	0	0.526059	0.922	0.701	0	4	0.713443
FLNA	3.7E-185	0.373675	0.793	0.489	1.2E-180	4	0.505526
FLNB	2.8E-298	0.256925	0.487	0.138	9.5E-294	4	0.157919
FN1	3.1E-173	0.270899	0.256	0.066	1E-168	4	0.076614
FOLR1	0	0.538204	0.394	0.002	0	4	0.024022
FOXJ1	0	0.256315	0.358	0.03	0	4	0.048577
FSTL1	0	0.750589	0.733	0.221	0	4	0.2496
FTH1	0	0.427306	0.999	0.997	0	4	0.997299
FTL	1.2E-168	0.442972	0.997	0.995	4.1E-164	4	0.994883
FUCA2	0	0.385833	0.599	0.114	0	4	0.14136
FXYP1	0	0.308018	0.36	0.031	0	4	0.049323
G6PC3	7.9E-277	0.409136	0.767	0.384	2.7E-272	4	0.405707
GALNT12	0	0.291298	0.399	0.025	0	4	0.046267
GCC2	5.1E-133	0.276248	0.729	0.447	1.7E-128	4	0.463097
GCHFR	1.5E-176	0.330377	0.586	0.274	4.9E-172	4	0.291496
GCNT1	0	0.33704	0.376	0.015	0	4	0.035073
GDF11	3.5E-128	0.264258	0.709	0.414	1.2E-123	4	0.430262
GDF7	0	0.300167	0.279	0.003	0	4	0.018194
GDPD2	0	0.46586	0.487	0.012	0	4	0.038165
GINM1	5E-140	0.282433	0.783	0.509	1.7E-135	4	0.524608
GJA1	0	0.569308	0.631	0.061	0	4	0.093032

GLIS3	0	0.433112	0.45	0.017	0	4	0.041541
GMPR2	4.6E-126	0.252397	0.741	0.457	1.6E-121	4	0.473118
GNG11	0	0.447142	0.438	0.103	0	4	0.121602
GNG5	0	0.498695	0.986	0.823	0	4	0.83238
GOLGB1	2.98E-94	0.260126	0.805	0.571	9.99E-90	4	0.584521
GOLM1	1.8E-187	0.403261	0.918	0.724	6.1E-183	4	0.73512
GPAA1	2.2E-158	0.315892	0.792	0.511	7.3E-154	4	0.526882
GPC3	8.14E-68	0.329065	0.452	0.267	2.73E-63	4	0.277495
GPM6B	2.41E-33	0.638563	0.744	0.701	8.07E-29	4	0.703102
GPX8	6.9E-272	0.266865	0.515	0.165	2.3E-267	4	0.184073
GRM8	0	0.282107	0.324	0.014	0	4	0.031662
GRN	0	0.441248	0.737	0.324	0	4	0.347358
GRSF1	2.3E-130	0.286813	0.767	0.497	7.8E-126	4	0.512277
GSN	2.1E-204	0.294387	0.582	0.244	7.2E-200	4	0.263281
GSTK1	0	0.343702	0.601	0.19	0	4	0.213319
GSTP1	0	0.592508	0.999	0.985	0	4	0.985964
GUK1	1.2E-138	0.281116	0.967	0.896	3.9E-134	4	0.899577
GULP1	0	0.421665	0.68	0.251	0	4	0.274972
HEXA	2.2E-179	0.289733	0.669	0.34	7.3E-175	4	0.358303
HEXB	1.4E-307	0.28712	0.537	0.165	4.8E-303	4	0.185814
HLA-A	6.4E-194	0.404345	0.802	0.502	2.1E-189	4	0.518638
HLA-C	2.6E-145	0.29531	0.585	0.294	8.6E-141	4	0.31001
HOPX	7.82E-85	0.388491	0.226	0.085	2.62E-80	4	0.093138
HSBP1	0	0.545151	0.996	0.975	0	4	0.976014
HSD17B12	5.3E-105	0.265171	0.81	0.582	1.8E-100	4	0.594755
HSD17B8	0	0.283924	0.447	0.093	0	4	0.113002
HSP90B1	0	0.57953	0.971	0.857	0	4	0.863473
HSPA5	1E-306	0.587516	0.951	0.756	3.4E-302	4	0.766639
HSPB1	0	0.711321	0.95	0.595	0	4	0.614584
HTR2C	0	0.891969	0.298	0.006	0	4	0.021996
HTRA1	0	0.914252	0.802	0.121	0	4	0.15863
ID1	2.15E-86	0.692323	0.663	0.46	7.21E-82	4	0.471128
ID3	1.62E-44	0.484622	0.698	0.539	5.43E-40	4	0.547493
IFI27L1	2.1E-217	0.34489	0.686	0.335	7E-213	4	0.354572
IFI27L2	7.7E-218	0.476051	0.781	0.453	2.6E-213	4	0.471412
IFI6	0	0.358354	0.553	0.132	0	4	0.155538
IFIT1	0	0.518442	0.328	0.033	0	4	0.049359
IFITM1	0	0.587257	0.415	0.024	0	4	0.045841
IFITM2	0	0.579731	0.562	0.014	0	4	0.044739
IFITM3	0	1.920652	0.931	0.309	0	4	0.343556
IFT22	0	0.519177	0.912	0.603	0	4	0.620483
IGFBP2	0	0.569538	0.995	0.976	0	4	0.977115
IGFBP4	4.6E-221	0.282607	0.567	0.218	1.5E-216	4	0.237731
IGFBP5	2.7E-290	0.783798	0.768	0.394	8.9E-286	4	0.414804
IGFBP7	0	1.723426	0.518	0.03	0	4	0.057176
IL17RD	0	0.335476	0.52	0.137	0	4	0.158239
ILK	1.9E-157	0.317168	0.782	0.484	6.4E-153	4	0.5008
IRS1	0	0.42815	0.564	0.142	0	4	0.165346



ISCU	5.1E-127	0.2788	0.839	0.635	1.7E-122	4	0.646708
ISYNA1	1.4E-182	0.414198	0.914	0.724	4.6E-178	4	0.734658
ITGA6	3.4E-303	0.368514	0.58	0.2	1.1E-298	4	0.220852
ITGB1	1.4E-223	0.404467	0.896	0.634	4.6E-219	4	0.648911
ITM2B	0	1.031858	0.99	0.876	0	4	0.882271
ITM2C	0	0.720639	0.863	0.479	0	4	0.500551
KCNJ13	0	0.357495	0.295	0.003	0	4	0.019331
KCNQ1OT1	5.7E-222	0.690793	0.795	0.449	1.9E-217	4	0.468356
KDELR1	0	0.580177	0.979	0.879	0	4	0.884332
KIF9	0	0.719507	0.765	0.213	0	4	0.24363
KLHDC8B	0	0.812843	0.859	0.253	0	4	0.286521
KRT18	0	1.176792	0.707	0.096	0	4	0.130308
KRT8	0	1.139115	0.647	0.025	0	4	0.060019
LAMB1	0	0.26098	0.328	0.052	0	4	0.067233
LAMB2	0	0.400172	0.555	0.088	0	4	0.114388
LAMP1	1.3E-122	0.264111	0.702	0.424	4.2E-118	4	0.439537
LAMP2	0	0.355382	0.634	0.215	0	4	0.238869
LAMTOR1	4.6E-113	0.268957	0.93	0.787	1.5E-108	4	0.795281
LAMTOR4	1.7E-222	0.374921	0.959	0.831	5.8E-218	4	0.837923
LEPROT	2.2E-192	0.295368	0.693	0.338	7.5E-188	4	0.358232
LGALS3	0	0.329316	0.266	0.01	0	4	0.024519
LGALS3BP	2.6E-225	0.394841	0.774	0.431	8.8E-221	4	0.450553
LGI1	0	0.586371	0.577	0.016	0	4	0.046907
LHFPL6	0	0.617928	0.693	0.128	0	4	0.15998
LINC00982	0	0.367128	0.461	0.113	0	4	0.132085
LIPA	3.4E-170	0.266468	0.404	0.142	1.1E-165	4	0.156995
LITAF	0	0.396261	0.632	0.159	0	4	0.185601
LMAN1	2.6E-260	0.40593	0.741	0.368	8.7E-256	4	0.388792
LMAN2	2E-204	0.367198	0.892	0.661	6.7E-200	4	0.673572
LMNA	1.9E-228	0.397044	0.688	0.332	6.2E-224	4	0.352049
LMX1A	0	0.280682	0.385	0.004	0	4	0.025301
LOXL1	0	0.410734	0.585	0.171	0	4	0.194414
LPL	0	0.57887	0.226	0.03	0	4	0.041114
LPP	0	0.261439	0.456	0.115	0	4	0.133862
LRP10	0	0.390121	0.577	0.1	0	4	0.126328
LRPAP1	3.3E-185	0.359701	0.89	0.687	1.1E-180	4	0.698518
LRRIQ1	0	0.422614	0.641	0.222	0	4	0.245833
LRRN2	0	0.459529	0.681	0.171	0	4	0.199673
LSR	0	0.277752	0.399	0.021	0	4	0.041754
LY6H	1.1E-263	0.610791	0.85	0.514	3.8E-259	4	0.532959
MAF	0	0.728699	0.741	0.038	0	4	0.077254
MAGED2	5.4E-280	0.434155	0.992	0.97	1.8E-275	4	0.971074
MAML2	0	0.306202	0.513	0.088	0	4	0.111794
MDK	0	1.249628	0.986	0.749	0	4	0.761984
MEST	0	1.323955	0.943	0.244	0	4	0.283359
METRNL	0	1.199188	0.976	0.685	0	4	0.700899
METRNL	0	0.513323	0.723	0.214	0	4	0.241996
MFAP2	8.9E-191	0.343285	0.714	0.372	3E-186	4	0.391173

MGAT4B	1.7E-125	0.278693	0.81	0.585	5.8E-121	4	0.597598
MGST1	0	0.942672	0.761	0.108	0	4	0.144025
MIR99AHG	0	0.504265	0.744	0.244	0	4	0.271668
MLEC	1.4E-104	0.266292	0.837	0.643	4.6E-100	4	0.654241
MLF1	0	0.756295	0.859	0.329	0	4	0.358871
MLLT1	0	0.575534	0.816	0.339	0	4	0.365907
MMP2	0	0.26943	0.369	0.01	0	4	0.030098
MMP24OS	3E-283	0.326895	0.59	0.209	1E-278	4	0.230091
MORN2	0	0.572758	0.911	0.572	0	4	0.591379
MORN5	0	0.288487	0.359	0.004	0	4	0.023418
MRPS6	2.1E-289	0.667368	0.96	0.894	7.1E-285	4	0.897694
MSI2	6.5E-198	0.378273	0.794	0.464	2.2E-193	4	0.482321
MSN	1E-253	0.333655	0.609	0.237	3.3E-249	4	0.257525
MSX1	0	0.953299	0.644	0.085	0	4	0.116414
MYDGF	1.3E-123	0.276064	0.859	0.643	4.4E-119	4	0.655165
MYL12A	0	0.600201	0.883	0.532	0	4	0.551295
MYL6	0	0.667867	0.999	0.989	0	4	0.989553
MYL9	0	0.483104	0.347	0.014	0	4	0.032124
NAA38	2E-147	0.325696	0.912	0.742	6.9E-143	4	0.751039
NAT14	4E-147	0.308265	0.858	0.609	1.4E-142	4	0.622579
NDUFB5	7.1E-183	0.349308	0.931	0.772	2.4E-178	4	0.780711
NEAT1	0	1.043106	0.803	0.192	0	4	0.226182
NECAB2	0	0.263849	0.372	0.05	0	4	0.068192
NELL2	7.4E-154	0.326357	0.73	0.386	2.5E-149	4	0.404996
NENF	2.8E-116	0.282149	0.87	0.637	9.5E-112	4	0.650297
NES	2.5E-110	0.542076	0.81	0.585	8.5E-106	4	0.598024
NFE2L2	4.4E-110	0.264245	0.692	0.418	1.5E-105	4	0.433069
NINJ1	4.6E-168	0.257658	0.623	0.298	1.6E-163	4	0.316336
NMB	0	1.158189	0.667	0.252	0	4	0.275541
NME5	0	0.30781	0.549	0.139	0	4	0.161863
NMU	0	0.74398	0.425	0.112	0	4	0.129135
NPC2	0	0.612813	0.921	0.574	0	4	0.593049
NQO1	0	0.317197	0.397	0.039	0	4	0.058918
NR2F1	0	0.890739	0.952	0.748	0	4	0.75907
NR2F2	0	0.74952	0.882	0.374	0	4	0.402686
NTRK2	0	0.889437	0.599	0.035	0	4	0.066735
NUCB1	2.4E-213	0.339776	0.769	0.429	8.1E-209	4	0.447532
NUCB2	2.5E-168	0.401465	0.862	0.652	8.2E-164	4	0.663551
OBSL1	0	0.445659	0.731	0.324	0	4	0.346683
OLFM2	6.8E-201	0.296554	0.765	0.365	2.3E-196	4	0.387335
ORAI3	0	0.277684	0.477	0.111	0	4	0.131587
OSBPL1A	0	0.545611	0.771	0.308	0	4	0.33421
OST4	9.9E-258	0.376601	0.989	0.956	3.3E-253	4	0.958175
OSTC	5E-160	0.331572	0.964	0.821	1.7E-155	4	0.829253
OTX2	0	0.637009	0.677	0.017	0	4	0.05412
P4HA1	5.2E-267	0.327635	0.59	0.216	1.7E-262	4	0.237198
P4HB	4.3E-221	0.427243	0.937	0.769	1.4E-216	4	0.778011
P4HTM	8.3E-241	0.349792	0.686	0.311	2.8E-236	4	0.332255

PACRG	0	0.28581	0.425	0.039	0	4	0.060588
PALLD	5.07E-89	0.315236	0.783	0.563	1.7E-84	4	0.575601
PALMD	0	0.28163	0.396	0.042	0	4	0.061903
PBXIP1	0	0.441618	0.625	0.151	0	4	0.177677
PCBD1	0	0.492145	0.81	0.392	0	4	0.414875
PCP4	0	1.819368	0.616	0.046	0	4	0.077751
PCSK1N	4E-298	0.58502	0.985	0.863	1.3E-293	4	0.869408
PDGFRB	0	0.260509	0.369	0.031	0	4	0.050283
PDIA3	0	0.515149	0.941	0.749	0	4	0.759959
PDIA4	4E-131	0.269209	0.685	0.392	1.3E-126	4	0.408266
PDIA6	8.5E-152	0.304705	0.973	0.915	2.9E-147	4	0.918589
PDLIM2	0	0.700139	0.866	0.326	0	4	0.356455
PDLIM5	0	0.585568	0.744	0.147	0	4	0.180342
PDLIM7	7.2E-176	0.430022	0.906	0.687	2.4E-171	4	0.699584
PDPN	0	0.345692	0.428	0.019	0	4	0.041754
PERP	0	0.321195	0.42	0.029	0	4	0.050709
PEX2	3.8E-131	0.258722	0.694	0.394	1.3E-126	4	0.41054
PFDN5	0	0.457836	0.995	0.982	0	4	0.982765
PGLS	2.5E-220	0.372991	0.971	0.864	8.5E-216	4	0.869585
PGM5P4-A'	0	0.383843	0.256	0.001	0	4	0.015493
PGRMC1	3.1E-158	0.32263	0.976	0.945	1.1E-153	4	0.947123
PHPT1	5.9E-217	0.392108	0.988	0.964	2E-212	4	0.964998
PIFO	0	0.744543	0.652	0.01	0	4	0.045734
PIGP	1.3E-160	0.250682	0.573	0.26	4.4E-156	4	0.276998
PIGT	3.1E-189	0.285702	0.649	0.312	1E-184	4	0.330692
PLA2G16	0	0.326462	0.335	0.007	0	4	0.025337
PLD3	8.5E-260	0.479034	0.934	0.718	2.9E-255	4	0.729967
PLEKHA4	0	0.282708	0.382	0.014	0	4	0.034398
PLEKHA5	2.47E-63	0.317096	0.838	0.684	8.28E-59	4	0.69301
PLIN3	5.9E-223	0.369028	0.787	0.426	2E-218	4	0.44604
PLS3	0	1.708216	0.807	0.318	0	4	0.345084
PLTP	0	1.363269	0.932	0.366	0	4	0.397925
PLXDC2	0	0.309941	0.505	0.087	0	4	0.110337
PMP22	0	0.310534	0.423	0.082	0	4	0.100743
POLR2L	2.3E-194	0.351043	0.978	0.915	7.6E-190	4	0.918446
PON2	0	0.903418	0.856	0.415	0	4	0.44007
PPDPF	0	0.605033	0.989	0.957	0	4	0.958601
PIIB	2.9E-250	0.431275	0.969	0.873	9.6E-246	4	0.87854
PPIC	0	0.388994	0.495	0.033	0	4	0.058953
PPIL6	0	0.33104	0.518	0.113	0	4	0.135461
PRCP	0	0.529504	0.704	0.167	0	4	0.196617
PRDX3	2.5E-142	0.299348	0.922	0.757	8.2E-138	4	0.766284
PRDX4	1.55E-89	0.253451	0.92	0.793	5.18E-85	4	0.800291
PRDX5	1.3E-179	0.293188	0.994	0.971	4.3E-175	4	0.972211
PRDX6	1E-272	0.489182	0.98	0.855	3.4E-268	4	0.862443
PRNP	0	0.805172	0.745	0.243	0	4	0.270637
PRPS1	6.5E-190	0.372749	0.697	0.369	2.2E-185	4	0.386838
PRSS23	7.4E-146	0.321332	0.368	0.136	2.5E-141	4	0.148893

PRTG	0	0.502311	0.52	0.054	0	4	0.080274
PSAP	0	0.634953	0.899	0.489	0	4	0.51146
PSENEEN	1.9E-237	0.393286	0.807	0.455	6.2E-233	4	0.474752
PTGDS	0	0.370477	0.277	0.014	0	4	0.028286
PTN	5.8E-175	1.650263	0.754	0.457	1.9E-170	4	0.474041
PTPMT1	2E-200	0.266091	0.527	0.206	6.7E-196	4	0.223517
PTTG1IP	1.5E-108	0.258936	0.828	0.59	5.1E-104	4	0.603568
QPRT	0	0.441052	0.597	0.127	0	4	0.15298
RAB11FIP1	0	0.293924	0.359	0.033	0	4	0.051668
RAB13	7.2E-294	0.488102	0.921	0.581	2.4E-289	4	0.600085
RAB32	0	0.320381	0.473	0.062	0	4	0.084965
RAB34	1.2E-246	0.352799	0.672	0.3	4.2E-242	4	0.320635
RABAC1	6.5E-188	0.334383	0.978	0.917	2.2E-183	4	0.920365
RASSF8	4.4E-268	0.333001	0.553	0.195	1.5E-263	4	0.214882
RBM47	0	0.764704	0.608	0.006	0	4	0.039906
RBMS1	0	0.358215	0.501	0.048	0	4	0.073132
RBP1	3.3E-184	0.416432	0.483	0.186	1.1E-179	4	0.202658
RCN1	3E-276	0.488416	0.963	0.727	1E-271	4	0.739846
RDX	1.3E-106	0.274302	0.912	0.761	4.4E-102	4	0.769838
REEP3	3.2E-204	0.313817	0.682	0.328	1.1E-199	4	0.347927
RGS5	0	0.302834	0.331	0.015	0	4	0.033119
RGS9	0	0.290524	0.394	0.04	0	4	0.060161
RHBDD2	1E-127	0.25831	0.742	0.456	3.4E-123	4	0.471732
RHOA	2.7E-109	0.262059	0.961	0.847	9.1E-105	4	0.853488
RHOC	0	0.781333	0.903	0.407	0	4	0.434953
RNF13	4.7E-242	0.33676	0.688	0.313	1.6E-237	4	0.334316
ROMO1	2.6E-104	0.264507	0.92	0.777	8.8E-100	4	0.78494
RPS12	3.6E-200	0.311804	1	0.998	1.2E-195	4	0.998436
RRAS	0	0.360762	0.542	0.108	0	4	0.132405
RSPH1	0	0.466257	0.487	0.013	0	4	0.039586
RSPO1	0	0.728658	0.602	0.004	0	4	0.036957
RSPO2	0	1.72274	0.823	0.008	0	4	0.053907
RSPO3	0	1.865086	0.807	0.156	0	4	0.192104
S100A10	0	0.797954	0.443	0.035	0	4	0.058171
S100A11	0	0.554234	0.358	0.016	0	4	0.03518
S100A13	1.2E-266	0.321512	0.525	0.178	4E-262	4	0.197292
S100A6	2.8E-163	0.334736	0.283	0.082	9.5E-159	4	0.092783
S100B	0	0.801317	0.57	0.015	0	4	0.045734
SARAF	3.8E-175	0.313353	0.985	0.915	1.3E-170	4	0.918979
SAT1	7.52E-90	0.396648	0.649	0.424	2.52E-85	4	0.436907
SCP2	5.8E-150	0.303178	0.839	0.575	1.9E-145	4	0.589283
SDC2	0	0.923425	0.856	0.207	0	4	0.242884
SDCBP	1.8E-112	0.287435	0.926	0.76	6.2E-108	4	0.769091
SDSL	0	0.293848	0.422	0.015	0	4	0.037525
SEC11A	0	0.678792	0.979	0.868	0	4	0.874276
SEC61B	2.8E-146	0.273383	0.988	0.959	9.5E-142	4	0.960769
SELENOF	6.6E-104	0.258431	0.847	0.65	2.2E-99	4	0.661455
SELENOM	9.3E-239	0.50926	0.774	0.47	3.1E-234	4	0.487403

SELENOP	0	0.467352	0.609	0.1	0	4	0.128745
SELENOW	6.7E-125	0.264203	0.969	0.873	2.2E-120	4	0.878149
SERF2	0	0.659743	0.998	0.986	0	4	0.986923
SERPINB6	0	0.332259	0.51	0.093	0	4	0.116343
SERPINF1	0	0.340737	0.422	0.029	0	4	0.051349
SERPINH1	0	0.489056	0.676	0.175	0	4	0.203191
SESN3	1.3E-131	0.289501	0.693	0.403	4.4E-127	4	0.419317
SFRP2	4.73E-06	0.267093	0.272	0.338	0.15875	4	0.334174
SFT2D1	2.3E-180	0.276088	0.682	0.344	7.6E-176	4	0.363278
SHTN1	0	0.358871	0.659	0.226	0	4	0.250524
SIL1	1.3E-305	0.285667	0.504	0.147	4.2E-301	4	0.167123
SIX3	0	0.512956	0.697	0.183	0	4	0.212004
SLC1A3	5.72E-23	0.256779	0.349	0.248	1.92E-18	4	0.254078
SLC22A17	1.2E-171	0.329081	0.797	0.488	4E-167	4	0.504922
SLC25A39	1.1E-190	0.366687	0.845	0.6	3.7E-186	4	0.614122
SLC2A4RG	1.7E-144	0.290584	0.83	0.536	5.6E-140	4	0.552148
SLC39A7	3.9E-129	0.292259	0.775	0.517	1.3E-124	4	0.531253
SLC3A2	5.1E-150	0.379339	0.908	0.762	1.7E-145	4	0.770228
SLC5A3	0	0.65373	0.733	0.341	0	4	0.363349
SLC5A6	3.6E-220	0.325842	0.492	0.184	1.2E-215	4	0.201023
SLC7A8	0	0.330277	0.384	0.016	0	4	0.036886
SLC9A3R1	0	0.34033	0.534	0.103	0	4	0.126683
SLIT2	0	0.65084	0.717	0.167	0	4	0.197257
SLIT3	0	0.400545	0.494	0.01	0	4	0.037241
SNHG18	0	0.312946	0.376	0.018	0	4	0.038058
SNX17	1.3E-124	0.25542	0.808	0.531	4.2E-120	4	0.54664
SOD1	7.2E-236	0.351669	0.989	0.954	2.4E-231	4	0.956007
SPA17	5.8E-262	0.316391	0.578	0.208	1.9E-257	4	0.228919
SPAG1	0	0.308169	0.439	0.043	0	4	0.065243
SPAG16	2.1E-115	0.281251	0.806	0.559	7.1E-111	4	0.573149
SPARC	0	1.056498	0.952	0.474	0	4	0.500586
SPARCL1	0	1.711597	0.518	0.01	0	4	0.038662
SPATA17	0	0.28109	0.414	0.047	0	4	0.067446
SPATS2L	0	1.024287	0.85	0.291	0	4	0.32227
SPCS1	4.6E-200	0.319274	0.978	0.92	1.5E-195	4	0.923102
SPCS2	5.7E-149	0.271932	0.978	0.927	1.9E-144	4	0.929995
SPINT2	3E-170	0.438087	0.688	0.377	1E-165	4	0.394229
SPRY1	0	0.817373	0.643	0.032	0	4	0.06638
SQSTM1	2.9E-131	0.301296	0.768	0.494	9.7E-127	4	0.509577
SRP14	3.8E-255	0.276167	0.999	0.995	1.3E-250	4	0.995451
SSR3	2.9E-139	0.307069	0.849	0.632	9.8E-135	4	0.644149
SSR4	5.8E-191	0.374515	0.971	0.908	1.9E-186	4	0.911553
STAT3	7.3E-143	0.250732	0.627	0.316	2.4E-138	4	0.333819
STK33	6.8E-283	0.250341	0.492	0.146	2.3E-278	4	0.165239
SULF1	0	0.961054	0.665	0.008	0	4	0.04513
SULF2	1.6E-263	0.332217	0.49	0.151	5.5E-259	4	0.170321
SWI5	1.5E-176	0.2673	0.676	0.332	4.9E-172	4	0.351125
SYT17	0	0.282108	0.41	0.053	0	4	0.07338

TAGLN	0	1.264499	0.279	0.033	0	4	0.047155
TAGLN2	9.1E-143	0.393366	0.538	0.261	3.1E-138	4	0.276749
TAX1BP1	7E-147	0.304856	0.784	0.503	2.3E-142	4	0.518496
TCEAL9	1.33E-91	0.269201	0.901	0.752	4.47E-87	4	0.760741
TCTN1	0	0.443891	0.771	0.367	0	4	0.389858
TECR	4.9E-104	0.2691	0.912	0.791	1.6E-99	4	0.797697
TENM3	0	0.38784	0.619	0.195	0	4	0.218471
TEX264	2.3E-186	0.291084	0.675	0.336	7.8E-182	4	0.354927
TGIF1	2.9E-146	0.315946	0.761	0.452	9.6E-142	4	0.46928
TIMP1	9.1E-245	0.591565	0.683	0.355	3E-240	4	0.37369
TIMP2	1.2E-122	0.290155	0.727	0.461	3.9E-118	4	0.476067
TIMP3	0	0.471171	0.529	0.053	0	4	0.079421
TLN1	4.1E-214	0.287589	0.604	0.256	1.4E-209	4	0.275328
TM2D1	7.9E-177	0.303661	0.737	0.418	2.7E-172	4	0.43545
TM7SF2	2.4E-284	0.515893	0.95	0.707	8.2E-280	4	0.72023
TMBIM4	0	0.624863	0.896	0.533	0	4	0.553463
TMBIM6	0	0.450027	0.982	0.932	0	4	0.935219
TMCO1	7.5E-198	0.362853	0.922	0.719	2.5E-193	4	0.730713
TMED1	2.2E-266	0.332213	0.671	0.278	7.2E-262	4	0.30006
TMED10	3.4E-212	0.389103	0.862	0.606	1.2E-207	4	0.620625
TMED4	4E-204	0.35988	0.851	0.549	1.4E-199	4	0.566149
TMED9	0	0.528845	0.943	0.727	0	4	0.738993
TMEM134	6.1E-174	0.299892	0.748	0.42	2.1E-169	4	0.438684
TMEM141	3.9E-158	0.281958	0.719	0.406	1.3E-153	4	0.42351
TMEM147	8.8E-190	0.338467	0.931	0.759	2.9E-185	4	0.768132
TMEM14C	3.9E-176	0.330258	0.951	0.794	1.3E-171	4	0.803063
TMEM179E	0	0.450826	0.789	0.371	0	4	0.394194
TMEM205	0	0.661938	0.831	0.441	0	4	0.462492
TMEM208	1.6E-142	0.28287	0.828	0.561	5.3E-138	4	0.575744
TMEM230	2.3E-243	0.408403	0.898	0.628	7.7E-239	4	0.64287
TMEM256	4.2E-252	0.444031	0.896	0.623	1.4E-247	4	0.638641
TMEM50B	1.1E-207	0.271813	0.609	0.255	3.5E-203	4	0.275186
TMEM59	1.7E-160	0.328849	0.942	0.816	5.7E-156	4	0.823318
TMEM9	9.3E-158	0.306351	0.856	0.594	3.1E-153	4	0.608685
TMEM98	6.7E-105	0.253533	0.914	0.721	2.2E-100	4	0.731673
TNFRSF12A	2.3E-281	0.442577	0.324	0.07	7.6E-277	4	0.084325
TNFRSF1A	0	0.475073	0.66	0.087	0	4	0.118724
TOMM7	7.8E-122	0.266343	0.985	0.949	2.6E-117	4	0.951068
TP53I13	1.7E-156	0.293252	0.737	0.427	5.7E-152	4	0.444689
TPBG	0	2.188924	0.961	0.143	0	4	0.188373
TPM1	7E-118	0.942717	0.889	0.771	2.4E-113	4	0.778046
TPM2	0	0.780789	0.476	0.033	0	4	0.057994
TPP1	0	0.279199	0.494	0.113	0	4	0.134217
TPPP3	0	0.250214	0.233	0.019	0	4	0.031022
TPT1	2.3E-221	0.269813	0.999	0.998	7.6E-217	4	0.997903
TRAM1	9E-142	0.265305	0.686	0.382	3E-137	4	0.39924
TRH	0	1.120132	0.262	0.014	0	4	0.027469
TRMT112	3.6E-159	0.309216	0.969	0.851	1.2E-154	4	0.85761



TRPM3	0	1.956077	0.65	0.05	0	4	0.083224
TSC22D3	1.4E-221	0.282764	0.546	0.198	4.7E-217	4	0.217263
TSHZ2	0	0.485622	0.679	0.206	0	4	0.232401
TSPAN3	5.1E-250	0.390581	0.973	0.864	1.7E-245	4	0.869941
TSPAN4	4.3E-148	0.301347	0.753	0.466	1.5E-143	4	0.482286
TSPAN6	1.1E-141	0.286515	0.795	0.493	3.6E-137	4	0.510252
TSTD1	0	0.503364	0.422	0.072	0	4	0.091255
TTR	0	4.539866	0.663	0.167	0	4	0.194592
TUBA1C	7.8E-224	0.337525	0.389	0.112	2.6E-219	4	0.127465
TUSC3	3.9E-191	0.374696	0.888	0.665	1.3E-186	4	0.677126
UBB	4.1E-203	0.348953	0.995	0.955	1.4E-198	4	0.95686
UBL5	5.1E-204	0.301994	0.996	0.978	1.7E-199	4	0.979105
UBXN4	7.7E-161	0.308576	0.956	0.858	2.6E-156	4	0.863793
UQCR11	9.4E-154	0.268136	0.987	0.961	3.1E-149	4	0.962226
VASN	0	0.297306	0.403	0.027	0	4	0.048257
VCL	2.6E-226	0.329516	0.57	0.229	8.8E-222	4	0.247681
VGLL4	4.8E-301	0.499868	0.898	0.607	1.6E-296	4	0.623077
WASF2	1.3E-291	0.43839	0.828	0.461	4.5E-287	4	0.481326
WDR83OS	1.8E-150	0.287172	0.961	0.873	6.1E-146	4	0.877758
WLS	0	1.914733	0.968	0.208	0	4	0.249991
WNT2B	0	0.763683	0.604	0.086	0	4	0.114637
WNT5A	0	0.328825	0.422	0.038	0	4	0.059699
WWTR1	0	0.341906	0.454	0.023	0	4	0.047084
YIF1A	1.8E-168	0.332441	0.838	0.563	6.2E-164	4	0.578729
ZFP36L2	0	0.961986	0.858	0.48	0	4	0.500657
ZFYVE16	0	0.731255	0.76	0.317	0	4	0.341601
ZIC1	0	0.757081	0.683	0.03	0	4	0.066202
ZIC4	0	0.455787	0.47	0.005	0	4	0.03088
ZMYND10	0	0.414308	0.462	0.02	0	4	0.045094
ZNF503	0	1.037554	0.844	0.082	0	4	0.124658
ZNF503-AS1	0	0.321828	0.416	0.022	0	4	0.044384
ZNF521	0	0.471046	0.669	0.198	0	4	0.22405
ZNHIT1	5.2E-174	0.344165	0.945	0.821	1.7E-169	4	0.8284
AAMDC	4.44E-30	0.268478	0.609	0.481	1.49E-25	5	0.485626
ABCD4	4.1E-138	0.389169	0.682	0.382	1.4E-133	5	0.394122
AES	4.2E-101	0.337481	0.97	0.905	1.42E-96	5	0.907502
AFDN	3.1E-145	0.41121	0.962	0.832	1E-140	5	0.837106
AGO1	4.4E-123	0.370423	0.782	0.51	1.5E-118	5	0.520308
AL139393	5.83E-86	0.269573	0.333	0.134	1.96E-81	5	0.14207
AMOTL2	0	0.761558	0.82	0.255	0	5	0.276714
ANP32E	2.01E-48	0.290686	0.874	0.747	6.74E-44	5	0.751857
ARHGEF26	5.5E-147	0.268017	0.465	0.173	1.8E-142	5	0.184784
ARID4B	3.08E-80	0.279904	0.932	0.831	1.03E-75	5	0.835045
ARL4D	1.4E-243	0.754924	0.759	0.368	4.8E-239	5	0.383142
ASCL1	0	0.674137	0.621	0.165	0	5	0.183114
ASPM	1.24E-23	0.28264	0.463	0.33	4.14E-19	5	0.335383
ATP6V0E1	3.12E-89	0.320193	0.891	0.748	1.05E-84	5	0.753314
ATP6V1G1	1.36E-93	0.265248	0.991	0.967	4.57E-89	5	0.967983

BAZ1A	5.1E-122	0.38015	0.888	0.674	1.7E-117	5	0.682385
BCL7A	1.13E-79	0.308007	0.845	0.675	3.78E-75	5	0.681959
BEND5	6.17E-75	0.267529	0.7	0.46	2.07E-70	5	0.468889
BIRC5	3.29E-39	0.322591	0.631	0.454	1.1E-34	5	0.460822
BNIP3	1.35E-25	0.333032	0.739	0.62	4.53E-21	5	0.625031
BTBD17	2.39E-36	0.263927	0.617	0.469	8.01E-32	5	0.474965
CACNA2D1	1.5E-198	0.302956	0.559	0.181	5.1E-194	5	0.195835
CARHSP1	6.2E-102	0.359879	0.947	0.887	2.09E-97	5	0.889201
CASC15	7.92E-88	0.281085	0.608	0.347	2.66E-83	5	0.357414
CBFA2T2	0	0.597515	0.753	0.217	0	5	0.237838
CCDC88C	1.1E-193	0.366237	0.573	0.22	3.7E-189	5	0.233751
CCNB1	1.72E-21	0.287452	0.447	0.326	5.78E-17	5	0.330905
CCNB2	3.47E-40	0.372409	0.599	0.421	1.16E-35	5	0.428414
CD200	1.7E-120	0.296669	0.628	0.305	5.6E-116	5	0.317757
CD24	2E-106	0.316113	0.968	0.833	6.6E-102	5	0.837959
CDC42EP4	1.96E-63	0.253753	0.656	0.429	6.59E-59	5	0.438257
CDK1	1.93E-42	0.364882	0.508	0.347	6.47E-38	5	0.353506
CDKN1C	4.23E-58	0.325998	0.449	0.236	1.42E-53	5	0.244448
CENPE	7.58E-31	0.339709	0.384	0.245	2.54E-26	5	0.250133
CENPF	1.3E-42	0.455767	0.712	0.552	4.36E-38	5	0.558473
CENPU	9.77E-65	0.413674	0.718	0.559	3.28E-60	5	0.564976
CENPW	5.96E-43	0.436458	0.618	0.511	2E-38	5	0.515085
CFAP298	0	1.344781	0.968	0.646	0	5	0.658719
CHD7	0	0.802161	0.971	0.718	0	5	0.727906
CHRNA3	0	0.339739	0.33	0.027	0	5	0.039018
CKB	6.78E-56	0.306355	0.999	0.995	2.28E-51	5	0.995451
CKS1B	7.57E-27	0.351023	0.703	0.624	2.54E-22	5	0.627519
CKS2	3.66E-57	0.321016	0.828	0.664	1.23E-52	5	0.670587
CMC1	2.9E-155	0.406983	0.767	0.47	9.7E-151	5	0.48193
CNIH4	4.56E-93	0.315246	0.801	0.581	1.53E-88	5	0.589993
CNTLN	1.17E-78	0.363595	0.691	0.485	3.93E-74	5	0.493479
CORO1C	1E-105	0.291423	0.632	0.344	3.4E-101	5	0.354927
COX17	9.94E-95	0.378496	0.796	0.61	3.33E-90	5	0.617675
CRABP1	1.56E-64	0.326622	0.29	0.119	5.24E-60	5	0.125262
CRIPT	6.14E-84	0.29203	0.702	0.458	2.06E-79	5	0.46729
CRNDE	2.91E-86	0.318395	0.503	0.263	9.76E-82	5	0.272378
CUL1	6.1E-108	0.352193	0.762	0.513	2E-103	5	0.52276
DACH1	1.55E-84	0.329374	0.89	0.661	5.21E-80	5	0.669877
DDX5	3.2E-169	0.341826	0.997	0.99	1.1E-164	5	0.990441
DENND1B	2.9E-197	0.286701	0.48	0.149	9.7E-193	5	0.162183
DLGAP5	8.88E-40	0.320632	0.431	0.262	2.98E-35	5	0.268718
DLL1	0	1.618055	0.968	0.204	0	5	0.233787
DLL3	3.2E-235	0.903678	0.651	0.26	1.1E-230	5	0.274795
DMRTA1	7.7E-178	0.531377	0.711	0.365	2.6E-173	5	0.378451
DNAJA1	2.6E-130	0.314669	0.995	0.973	8.6E-126	5	0.974024
DUSP23	4.8E-116	0.40624	0.542	0.274	1.6E-111	5	0.284567
E2F1	1.1E-113	0.455042	0.593	0.32	3.8E-109	5	0.330337
EBF2	0	0.505517	0.514	0.068	0	5	0.085747

EFS	6.3E-221	0.460847	0.75	0.363	2.1E-216	5	0.377918
EIF4A1	5.2E-93	0.307545	0.981	0.93	1.74E-88	5	0.932199
ELAVL2	0	0.790387	0.778	0.252	0	5	0.272236
ELAVL3	8.3E-130	0.50174	0.911	0.72	2.8E-125	5	0.727302
ELAVL4	0	0.794979	0.934	0.376	0	5	0.398245
EMX1	0	0.85048	0.977	0.759	0	5	0.767954
ENY2	5.5E-159	0.364338	0.987	0.926	1.8E-154	5	0.928752
EOMES	0	1.130479	0.752	0.055	0	5	0.082229
EYA2	0	0.514704	0.483	0.049	0	5	0.065811
EZH2	8.2E-119	0.382178	0.887	0.697	2.7E-114	5	0.704488
EZR	9.3E-132	0.408205	0.928	0.721	3.1E-127	5	0.729256
FBLN1	5.28E-69	0.281884	0.929	0.773	1.77E-64	5	0.779041
FEZF2	2.2E-117	0.535611	0.943	0.782	7.2E-113	5	0.788494
FYN	3.1E-287	0.706793	0.97	0.799	1E-282	5	0.805408
GADD45A	0	1.122348	0.807	0.286	0	5	0.306706
GADD45G	0	1.584393	0.95	0.204	0	5	0.233396
GLUL	4E-178	0.546666	0.945	0.765	1.4E-173	5	0.772076
GNG5	4.7E-142	0.403138	0.97	0.827	1.6E-137	5	0.83238
GPC2	2E-122	0.330676	0.803	0.488	6.7E-118	5	0.50048
GTF2F2	7.2E-80	0.312656	0.815	0.636	2.41E-75	5	0.642657
GTSE1	4.38E-42	0.28722	0.431	0.262	1.47E-37	5	0.268292
H1FX	9.3E-83	0.334155	0.997	0.982	3.12E-78	5	0.982197
H2AFV	3.35E-64	0.270569	0.965	0.885	1.12E-59	5	0.888312
H2AFY	1.6E-115	0.301885	0.991	0.966	5.3E-111	5	0.966952
H3F3A	1.2E-267	0.264462	1	0.999	4.2E-263	5	0.999076
H3F3B	5.9E-294	0.568915	1	0.995	2E-289	5	0.995594
HDAC2	2.8E-160	0.371379	0.987	0.94	9.4E-156	5	0.94222
HES5	2.59E-60	1.093328	0.682	0.61	8.67E-56	5	0.612594
HES6	0	2.377791	1	0.883	0	5	0.887246
HIST1H1C	3.25E-21	0.313305	0.513	0.402	1.09E-16	5	0.406098
HIST1H1D	4.88E-17	0.276902	0.348	0.248	1.64E-12	5	0.251661
HIST1H2BH	5.08E-46	0.252336	0.47	0.289	1.7E-41	5	0.296223
HIST1H4C	0.000463	0.321181	0.907	0.953	1	5	0.951068
HMGB1	1.28E-83	0.326998	1	0.998	4.3E-79	5	0.998543
HMGB2	8.69E-57	0.574032	0.789	0.669	2.91E-52	5	0.673501
HMGB3	3.23E-76	0.298566	0.966	0.9	1.08E-71	5	0.902882
HMGN2	4.7E-115	0.462616	0.997	0.986	1.6E-110	5	0.986816
HMMR	1.77E-48	0.301648	0.379	0.208	5.92E-44	5	0.214882
HNRNPA0	1.3E-102	0.300874	0.978	0.931	4.34E-98	5	0.932696
HNRNPA2B	2.6E-95	0.260417	1	0.996	8.72E-91	5	0.996553
HNRNPAB	2.1E-166	0.442319	0.98	0.899	7.1E-162	5	0.902136
HNRNPDL	1.06E-97	0.260335	0.997	0.984	3.54E-93	5	0.984258
HNRNPH3	3.1E-106	0.284072	0.991	0.96	1E-101	5	0.961373
HNRNPM	2.1E-108	0.311381	0.992	0.94	7.1E-104	5	0.942006
HPCAL1	1.1E-110	0.290844	0.679	0.366	3.5E-106	5	0.377954
HSP90AA1	2.3E-151	0.340585	1	0.997	7.6E-147	5	0.997548
HSPH1	3.97E-64	0.27188	0.752	0.564	1.33E-59	5	0.571373
HUNK	1.1E-230	0.344065	0.497	0.146	3.5E-226	5	0.159625

IDH2	3.4E-136	0.397106	0.959	0.861	1.2E-131	5	0.864397
IGFBP2	1.45E-95	0.523513	0.995	0.976	4.85E-91	5	0.977115
IGFBPL1	0	0.48994	0.722	0.206	0	5	0.226467
INSM1	0	1.014885	0.698	0.126	0	5	0.147898
IVNS1ABP	1.82E-81	0.33055	0.861	0.672	6.09E-77	5	0.679684
JPT1	1.57E-90	0.290259	0.999	0.986	5.28E-86	5	0.986745
KALRN	4E-158	0.315466	0.555	0.218	1.3E-153	5	0.231157
KAT6B	1.3E-108	0.40643	0.835	0.638	4.3E-104	5	0.645322
KCNQ2	8.7E-112	0.352735	0.894	0.68	2.9E-107	5	0.688426
KDM1A	5.41E-82	0.289856	0.913	0.778	1.81E-77	5	0.783519
KDM5B	1.02E-61	0.288987	0.88	0.749	3.41E-57	5	0.754167
KHDRBS1	8.7E-122	0.303299	0.992	0.961	2.9E-117	5	0.962368
KIF5B	1.05E-80	0.28567	0.98	0.94	3.52E-76	5	0.941225
KLHDC8A	1.2E-259	0.593878	0.767	0.355	4.1E-255	5	0.371309
KPNA2	1.37E-42	0.356181	0.81	0.692	4.6E-38	5	0.696741
KRR1	5.51E-74	0.273104	0.744	0.556	1.85E-69	5	0.56288
LHX2	2.1E-125	0.394194	0.994	0.922	7.2E-121	5	0.924701
LHX9	0	0.525659	0.496	0.062	0	5	0.07896
LIMD2	1.21E-81	0.288983	0.868	0.682	4.04E-77	5	0.688959
LINC01088	0	0.423287	0.441	0.046	0	5	0.06176
LZTS1	0	0.788733	0.725	0.136	0	5	0.159056
MAD2L1	2.67E-54	0.414451	0.649	0.507	8.96E-50	5	0.51281
MAGI1	1.9E-222	0.524746	0.864	0.516	6.3E-218	5	0.529263
MAML3	7E-109	0.259398	0.505	0.23	2.3E-104	5	0.24029
MAP4K4	1.3E-201	0.597573	0.961	0.786	4.5E-197	5	0.793184
MAPKAPK2	7.4E-171	0.308263	0.539	0.207	2.5E-166	5	0.220355
MARCKS	4.2E-236	0.402932	1	0.997	1.4E-231	5	0.997193
MBD2	7E-184	0.431422	0.756	0.406	2.4E-179	5	0.419992
MEST	5E-146	0.329621	0.616	0.27	1.7E-141	5	0.283359
MEX3A	2.5E-130	0.372981	0.936	0.785	8.3E-126	5	0.790946
MFAP4	0	0.733062	0.669	0.116	0	5	0.137344
MFNG	0	0.718789	0.726	0.068	0	5	0.093707
MIAT	3.9E-139	0.430748	0.705	0.363	1.3E-134	5	0.376035
MKI67	8.75E-35	0.366154	0.533	0.378	2.94E-30	5	0.384386
MLLT11	9.3E-144	0.30219	0.987	0.831	3.1E-139	5	0.836751
MRPL42	1.01E-84	0.290409	0.898	0.736	3.38E-80	5	0.742653
MYCL	0	0.657634	0.63	0.109	0	5	0.129135
MYO10	2.79E-53	0.263887	0.789	0.61	9.37E-49	5	0.617427
MYO1B	8.3E-186	0.409522	0.635	0.277	2.8E-181	5	0.290857
MZT1	2.22E-26	0.277661	0.6	0.495	7.43E-22	5	0.499485
NCAPG	1.08E-46	0.276252	0.462	0.29	3.62E-42	5	0.297075
NDUFA6	2.73E-76	0.266331	0.953	0.911	9.15E-72	5	0.912938
NDUFC2	1.2E-153	0.37906	0.992	0.978	4E-149	5	0.97843
NEURL1B	0	0.372566	0.484	0.078	0	5	0.093493
NEUROD1	1.2E-274	0.374669	0.455	0.102	4E-270	5	0.115419
NEUROD4	0	1.122842	0.699	0.017	0	5	0.043211
NEUROG1	0	1.12091	0.614	0.021	0	5	0.044135
NEUROG2	0	1.066077	0.958	0.522	0	5	0.539

NFIB	3.1E-140	0.325064	0.976	0.857	1E-135	5	0.861483
NHLH1	0	1.140619	0.845	0.151	0	5	0.177748
NKAIN3	1.31E-95	0.348847	0.76	0.509	4.39E-91	5	0.51839
NNAT	4.1E-123	0.530737	0.882	0.654	1.4E-118	5	0.662805
NUF2	2.55E-51	0.343202	0.457	0.272	8.54E-47	5	0.279414
NUSAP1	4.48E-32	0.360673	0.606	0.468	1.5E-27	5	0.473615
ODC1	7.6E-120	0.291811	0.998	0.985	2.6E-115	5	0.985857
ORC6	3.66E-37	0.264216	0.669	0.537	1.23E-32	5	0.542127
PAK1	3.4E-101	0.360949	0.712	0.466	1.16E-96	5	0.475925
PBK	4.03E-36	0.256164	0.486	0.324	1.35E-31	5	0.330763
PCBP4	3.7E-143	0.446511	0.778	0.472	1.2E-138	5	0.483991
PHC2	1.1E-249	0.551962	0.958	0.732	3.8E-245	5	0.741303
PHF6	1.93E-62	0.26044	0.822	0.662	6.47E-58	5	0.668171
PHLDA1	0	1.050085	0.944	0.607	0	5	0.620092
PHLDB2	0	0.399006	0.43	0.029	0	5	0.044597
PIMREG	8.41E-39	0.375242	0.53	0.372	2.82E-34	5	0.378451
PIN4	2.59E-76	0.262157	0.883	0.754	8.69E-72	5	0.758893
PKM	4.91E-62	0.294434	0.991	0.949	1.65E-57	5	0.950428
PLPP5	9.51E-80	0.286225	0.631	0.394	3.19E-75	5	0.403006
PLXNA2	0	0.728462	0.726	0.159	0	5	0.180839
PRAG1	0	0.290623	0.384	0.065	0	5	0.077787
PRDX1	1.51E-86	0.276328	0.997	0.974	5.07E-82	5	0.974841
PRPF40A	7.43E-87	0.273749	0.961	0.883	2.49E-82	5	0.886038
PSMB2	5.96E-79	0.250743	0.961	0.896	2E-74	5	0.898227
PSMD14	7.79E-98	0.319459	0.949	0.864	2.61E-93	5	0.867347
PSMG2	4.04E-65	0.260924	0.837	0.679	1.35E-60	5	0.685121
PSTPIP1	0	0.250985	0.22	0.005	0	5	0.013539
PTMA	6.2E-127	0.252118	1	0.999	2.1E-122	5	0.999325
PTTG1	4.53E-38	0.436855	0.692	0.551	1.52E-33	5	0.556412
PTX3	8.6E-283	0.453957	0.355	0.067	2.9E-278	5	0.07864
RALA	3.1E-119	0.426882	0.846	0.66	1.1E-114	5	0.667176
RBM8A	3.3E-119	0.316512	0.977	0.906	1.1E-114	5	0.908994
RBP1	3.3E-177	0.525603	0.52	0.19	1.1E-172	5	0.202658
RCN2	0	0.600431	0.994	0.95	0	5	0.951779
RCOR2	0	0.754654	0.966	0.579	0	5	0.59376
RGS16	0	1.613535	0.785	0.084	0	5	0.111439
RHOBTB3	5.33E-64	0.25044	0.875	0.697	1.79E-59	5	0.70392
RNASEH2B	8.79E-89	0.441266	0.753	0.565	2.95E-84	5	0.572332
RND2	6.75E-86	0.274462	0.523	0.269	2.26E-81	5	0.278775
RNF165	6E-99	0.319695	0.713	0.438	2.01E-94	5	0.448349
RNF24	6.6E-108	0.33247	0.773	0.496	2.2E-103	5	0.506343
RPAIN	7.2E-173	0.416623	0.98	0.885	2.4E-168	5	0.888526
RRM2	1.08E-61	0.343929	0.463	0.266	3.61E-57	5	0.273267
RYK	1.9E-100	0.320723	0.714	0.462	6.25E-96	5	0.471412
SAP30	3.1E-138	0.427827	0.88	0.682	1E-133	5	0.689528
SERPING1	7E-163	0.374405	0.631	0.289	2.3E-158	5	0.302015
SETBP1	3.96E-86	0.267067	0.719	0.459	1.33E-81	5	0.469386
SFPQ	1.04E-93	0.315774	0.99	0.97	3.48E-89	5	0.97047



SGO1	7.87E-46	0.262097	0.452	0.279	2.64E-41	5	0.286095
SINHCAF	1.3E-182	0.451721	0.957	0.773	4.5E-178	5	0.78064
SKA2	1.92E-59	0.328827	0.89	0.825	6.45E-55	5	0.827831
SLC4A7	1.29E-88	0.288868	0.656	0.402	4.32E-84	5	0.411855
SLC6A15	1.6E-122	0.265802	0.389	0.141	5.4E-118	5	0.15099
SLCO5A1	5.4E-276	0.590873	0.778	0.35	1.8E-271	5	0.366831
SMARCA5	2.4E-99	0.33195	0.933	0.829	8.02E-95	5	0.833019
SMC3	8.35E-38	0.250885	0.902	0.884	2.8E-33	5	0.885043
SMC4	2.72E-54	0.370014	0.732	0.559	9.13E-50	5	0.565829
SMCO4	3.1E-106	0.266583	0.454	0.199	1E-101	5	0.209197
SNRPE	4.8E-115	0.279783	0.991	0.958	1.6E-110	5	0.958957
SOX11	0	0.788344	0.997	0.924	0	5	0.926762
SOX4	0	1.125242	0.999	0.981	0	5	0.981735
SPC25	8.24E-59	0.367625	0.472	0.288	2.76E-54	5	0.29473
SRI	2.67E-82	0.278568	0.971	0.893	8.96E-78	5	0.896343
SRRM4	3.4E-196	0.314846	0.54	0.168	1.2E-191	5	0.182403
SSTR2	2.4E-228	0.389325	0.731	0.239	7.9E-224	5	0.258662
STK17A	9.5E-172	0.340253	0.451	0.15	3.2E-167	5	0.162006
STMP1	1.49E-87	0.284518	0.951	0.868	5.01E-83	5	0.870971
STXBP6	0	0.749758	0.778	0.35	0	5	0.366369
SVIL	4E-138	0.399335	0.743	0.444	1.3E-133	5	0.455812
TAGLN3	0	1.075006	0.97	0.538	0	5	0.554565
TBPL1	2.55E-74	0.257077	0.684	0.46	8.55E-70	5	0.468498
TCF3	9.5E-125	0.354911	0.912	0.716	3.2E-120	5	0.723464
TCF4	4.63E-67	0.251036	0.983	0.914	1.55E-62	5	0.917132
TCP1	3.3E-110	0.326117	0.962	0.897	1.1E-105	5	0.899861
TDG	1.8E-85	0.294049	0.846	0.675	6.03E-81	5	0.681532
TFDP2	1.6E-238	0.611346	0.922	0.666	5.5E-234	5	0.675882
TMEM158	9.7E-252	0.776027	0.823	0.447	3.3E-247	5	0.461853
TMEM237	7.6E-100	0.318223	0.688	0.435	2.56E-95	5	0.444867
TMEM91	1.5E-168	0.362269	0.52	0.199	4.9E-164	5	0.211613
TMPO	8.27E-50	0.266061	0.921	0.821	2.77E-45	5	0.824455
TMSB10	3.2E-134	0.283841	1	0.998	1.1E-129	5	0.998472
TMSB4X	5.1E-197	0.541393	1	0.999	1.7E-192	5	0.999005
TOP1	3.7E-125	0.355642	0.982	0.913	1.2E-120	5	0.915817
TOP2A	3.88E-26	0.353994	0.553	0.423	1.3E-21	5	0.427845
TOX3	5.2E-269	0.548371	0.835	0.427	1.7E-264	5	0.443374
TP53I11	4.4E-139	0.469335	0.735	0.416	1.5E-134	5	0.428556
TPX2	4.91E-35	0.282023	0.503	0.34	1.65E-30	5	0.346256
TRAF4	2.1E-132	0.35117	0.672	0.356	7E-128	5	0.368573
TSG101	2.3E-102	0.32971	0.845	0.645	7.84E-98	5	0.653104
UBALD2	9.53E-77	0.300128	0.641	0.401	3.2E-72	5	0.410469
UBE2C	9.07E-41	0.524002	0.54	0.37	3.04E-36	5	0.376248
UBE2I	2.43E-85	0.254368	0.988	0.955	8.14E-81	5	0.956611
UBE2S	2.08E-96	0.861603	0.932	0.855	6.99E-92	5	0.858178
UBE2T	3.41E-64	0.588384	0.723	0.645	1.14E-59	5	0.648236
UCP2	4.37E-69	0.268976	0.759	0.558	1.47E-64	5	0.565509
VSTM2B	0	0.455947	0.489	0.096	0	5	0.111261



YWHAZ	7.1E-217	0.494606	0.99	0.943	2.4E-212	5	0.944991
ZC3H12C	2E-294	0.318416	0.456	0.104	6.7E-290	5	0.117444
ZNF706	5E-222	0.512042	0.991	0.937	1.7E-217	5	0.939377
ZWINT	1.47E-38	0.270713	0.57	0.425	4.94E-34	5	0.430582
ABCA1	1.3E-148	0.279681	0.381	0.04	4.4E-144	6	0.0425
ABHD2	2.3E-124	0.535945	0.695	0.16	7.8E-120	6	0.165026
ABRAXAS1	7.31E-45	0.356828	0.623	0.252	2.45E-40	6	0.255179
AC097478.	0	0.394532	0.347	0.01	0	6	0.013077
ACP5	0	0.270023	0.331	0	0	6	0.002985
ACTA2	3.99E-92	0.814586	0.268	0.031	1.34E-87	6	0.033474
ADAMTS18	0	0.750064	0.728	0.023	0	6	0.028997
AKAP13	8.2E-20	0.260322	0.657	0.414	2.75E-15	6	0.41619
AL391650.	0	0.624598	0.623	0.001	0	6	0.006467
ALDH1A1	0	0.827446	0.502	0.007	0	6	0.011407
ALDH1A3	0	0.26192	0.268	0.001	0	6	0.003376
ALKBH7	4.42E-60	0.528936	0.983	0.834	1.48E-55	6	0.835685
ANXA1	9.4E-214	0.90712	0.414	0.033	3.1E-209	6	0.036353
ANXA2	1.8E-253	1.393537	0.941	0.176	6E-249	6	0.1829
ANXA6	4.06E-33	0.309999	0.741	0.388	1.36E-28	6	0.390889
APLP2	9.8E-103	0.887008	0.979	0.719	3.28E-98	6	0.721581
APOC1	0	0.648622	0.565	0.035	0	6	0.039124
APOE	0	2.675559	0.992	0.049	0	6	0.056892
APP	5.23E-51	0.489168	0.954	0.709	1.76E-46	6	0.711275
ARHGAP28	3.8E-99	0.271083	0.439	0.074	1.29E-94	6	0.077289
ARL4A	2.1E-289	2.236665	0.996	0.213	7E-285	6	0.219466
ARL6IP5	5.26E-21	0.25955	0.95	0.756	1.76E-16	6	0.758111
ASAH1	1.1E-108	0.972551	0.929	0.536	3.7E-104	6	0.538858
ASB13	1.45E-56	0.283789	0.49	0.138	4.86E-52	6	0.141146
ATOX1	1.02E-21	0.256646	0.958	0.858	3.42E-17	6	0.858569
ATP1B1	9.35E-96	1.028202	0.9	0.447	3.14E-91	6	0.450979
ATP6V0E1	2.75E-24	0.27111	0.908	0.752	9.21E-20	6	0.753314
ATP6V1C2	0	1.42731	0.895	0.003	0	6	0.010376
ATRAID	7.06E-17	0.261852	0.916	0.728	2.37E-12	6	0.729825
B2M	9.9E-133	1.580997	0.967	0.567	3.3E-128	6	0.570555
BACE2	2.9E-145	0.596318	0.699	0.146	9.6E-141	6	0.151061
BCAM	1.77E-37	0.316759	0.598	0.256	5.94E-33	6	0.258449
BDH2	7.92E-36	0.321198	0.724	0.373	2.65E-31	6	0.376426
BHLHE41	0	0.258282	0.293	0.005	0	6	0.007249
BLVRB	1.6E-112	0.714356	0.904	0.357	5.4E-108	6	0.361643
BMP4	0	0.807925	0.674	0.014	0	6	0.019687
BMP7	9.75E-63	0.443548	0.803	0.336	3.27E-58	6	0.339967
BRI3	1.64E-40	0.381724	0.979	0.933	5.49E-36	6	0.933727
BSG	3.27E-58	0.511656	0.987	0.923	1.1E-53	6	0.923812
BTG1	2.9E-134	1.624755	0.992	0.852	9.8E-130	6	0.85299
C16orf74	1.1E-209	0.26578	0.397	0.031	3.6E-205	6	0.034576
C6orf48	8.54E-33	0.311014	0.774	0.433	2.86E-28	6	0.435699
C9orf3	1.15E-73	0.297624	0.444	0.096	3.85E-69	6	0.098611
CA14	0	0.578385	0.665	0.034	0	6	0.039018

CALD1	8.55E-79	0.794243	0.983	0.793	2.87E-74	6	0.794712
CALR	1.02E-23	0.362261	0.958	0.894	3.41E-19	6	0.894496
CALU	2.82E-36	0.415249	0.925	0.722	9.47E-32	6	0.723855
CANX	2.93E-51	0.552627	0.95	0.788	9.83E-47	6	0.789844
CAST	1E-107	0.480492	0.686	0.169	3.5E-103	6	0.173164
CCBE1	0	0.461808	0.439	0.005	0	6	0.008848
CCDC33	3.2E-201	0.258645	0.402	0.034	1.1E-196	6	0.036637
CCDC51	1.2E-107	0.651116	0.791	0.255	3.9E-103	6	0.259479
CCDC80	7.5E-164	0.252422	0.385	0.037	2.5E-159	6	0.0398
CCND1	1.68E-37	0.45894	0.929	0.616	5.65E-33	6	0.618422
CD164	1.72E-59	0.476167	0.745	0.334	5.78E-55	6	0.337088
CD59	1.37E-33	0.338049	0.816	0.477	4.6E-29	6	0.480011
CD63	9.6E-119	0.942718	1	0.953	3.2E-114	6	0.953875
CD81	9.89E-35	0.330853	0.983	0.956	3.32E-30	6	0.956469
CDH6	5.5E-305	0.538254	0.527	0.039	1.8E-300	6	0.042749
CDH7	1.95E-57	0.266923	0.381	0.085	6.53E-53	6	0.087772
CDKN1C	3.96E-93	0.57639	0.795	0.24	1.33E-88	6	0.244448
CDO1	7.03E-69	0.585643	0.812	0.341	2.36E-64	6	0.344515
CEBPB	5.2E-128	0.315809	0.456	0.064	1.8E-123	6	0.067304
CERS2	1.65E-54	0.287989	0.603	0.205	5.54E-50	6	0.208735
CFI	5.6E-138	0.423459	0.569	0.094	1.9E-133	6	0.097971
CHCHD10	4.68E-54	0.508798	0.711	0.316	1.57E-49	6	0.31964
CHID1	2.39E-20	0.271087	0.841	0.611	8.03E-16	6	0.613091
CHMP2B	1.32E-26	0.309282	0.707	0.394	4.44E-22	6	0.396255
CHRNA3	1.9E-177	0.36517	0.393	0.036	6.5E-173	6	0.039018
CIRBP	2.5E-23	0.266679	1	0.989	8.38E-19	6	0.988913
CISD1	3.3E-15	0.27741	0.9	0.735	1.11E-10	6	0.736434
CITED4	2.41E-30	0.260558	0.477	0.193	8.08E-26	6	0.195658
CKAP4	1.56E-48	0.430676	0.812	0.457	5.24E-44	6	0.459721
CLCN3	7.6E-34	0.386181	0.745	0.419	2.55E-29	6	0.421485
CLTA	1.24E-29	0.289364	0.996	0.962	4.15E-25	6	0.96251
CLU	2.61E-93	0.959567	0.979	0.643	8.74E-89	6	0.645748
CMTM6	1.75E-32	0.303762	0.757	0.415	5.88E-28	6	0.41818
CNN2	1.53E-34	0.304546	0.703	0.349	5.13E-30	6	0.352297
CNPY2	2.59E-26	0.300053	0.925	0.795	8.68E-22	6	0.795956
CNPY4	4.61E-51	0.306658	0.603	0.213	1.55E-46	6	0.216161
COBLL1	0	1.162967	0.858	0.036	0	6	0.043282
COL18A1	3E-155	0.886307	0.904	0.275	1E-150	6	0.279983
COL1A2	1.96E-15	0.260852	0.13	0.034	6.57E-11	6	0.035251
COL3A1	1.75E-66	0.447784	0.159	0.016	5.88E-62	6	0.016844
COL4A1	4.39E-39	0.260624	0.448	0.152	1.47E-34	6	0.154046
COL4A2	5.22E-24	0.324657	0.703	0.426	1.75E-19	6	0.428059
COL6A1	1.43E-34	0.363788	0.732	0.39	4.81E-30	6	0.392666
COL8A2	0	0.288255	0.326	0.002	0	6	0.004513
COL9A2	1.66E-78	0.332869	0.469	0.1	5.58E-74	6	0.103301
COLEC12	0	0.840134	0.757	0.03	0	6	0.036282
COMMD6	2.5E-29	0.275908	0.992	0.974	8.38E-25	6	0.974201
COTL1	1.04E-30	0.41127	0.824	0.526	3.49E-26	6	0.528482

COX7A2L	1.79E-35	0.334058	0.996	0.926	6.01E-31	6	0.926726
CPLX3	0	0.504048	0.51	0.001	0	6	0.005686
CPVL	3.1E-130	0.256244	0.318	0.032	1E-125	6	0.034149
CPXM1	7.15E-38	0.256331	0.536	0.201	2.4E-33	6	0.203582
CRABP1	5.2E-135	0.4899	0.669	0.121	1.8E-130	6	0.125262
CRABP2	3.43E-59	0.40327	0.54	0.16	1.15E-54	6	0.163391
CRIM1	4.07E-54	0.328493	0.515	0.154	1.37E-49	6	0.157493
CRNDE	1.1E-54	0.470415	0.69	0.269	3.69E-50	6	0.272378
CRTAP	6.6E-102	0.602175	0.849	0.31	2.21E-97	6	0.314275
CRYAB	0	1.129168	0.699	0.013	0	6	0.018549
CST3	2.33E-55	0.653456	0.971	0.804	7.82E-51	6	0.805622
CSTB	2.42E-43	0.423425	0.992	0.91	8.11E-39	6	0.910486
CTNNA1	5.78E-23	0.267388	0.795	0.509	1.94E-18	6	0.510998
CTSB	4.99E-41	0.296619	0.695	0.31	1.67E-36	6	0.312818
CTSC	6.2E-121	1.133777	0.937	0.446	2.1E-116	6	0.449842
CTSD	8.29E-90	0.669494	0.925	0.499	2.78E-85	6	0.502363
CTSH	0	1.161502	0.887	0.071	0	6	0.077965
CTSL	1.2E-53	0.379562	0.657	0.25	4.02E-49	6	0.253936
CTSV	6.86E-41	0.521083	0.485	0.183	2.3E-36	6	0.185708
CUTA	1.49E-19	0.264302	0.992	0.928	4.98E-15	6	0.928645
CXCL12	0	0.375666	0.423	0.024	0	6	0.027042
CXCL14	1.6E-245	0.550735	0.54	0.05	5.5E-241	6	0.054262
CXXC5	1.12E-29	0.295614	0.904	0.631	3.77E-25	6	0.633275
CYP1B1	3.6E-226	0.413954	0.318	0.018	1.2E-221	6	0.02093
CYSTM1	7.43E-48	0.332447	0.787	0.354	2.49E-43	6	0.357343
DAB2	3.3E-290	0.258493	0.389	0.022	1.1E-285	6	0.024768
DAPL1	0	0.833384	0.607	0.017	0	6	0.021961
DCBLD2	1.46E-28	0.345651	0.72	0.413	4.91E-24	6	0.415692
DCT	0	3.429117	0.987	0.031	0	6	0.038662
DDOST	2.75E-31	0.366126	0.908	0.703	9.21E-27	6	0.704382
DDR2	0	0.374549	0.448	0.027	0	6	0.030774
DESI2	6.11E-24	0.26011	0.757	0.449	2.05E-19	6	0.451654
DIO3	0	0.694966	0.423	0.003	0	6	0.006965
DIO3OS	0	0.508757	0.54	0.003	0	6	0.007533
DNAJC1	6.81E-56	0.507472	0.841	0.483	2.28E-51	6	0.485661
DNAJC15	5.35E-67	0.269753	0.439	0.098	1.79E-62	6	0.100494
DNAJC3	1.76E-64	0.34848	0.623	0.196	5.9E-60	6	0.199389
DPP7	1.52E-82	0.589242	0.778	0.286	5.11E-78	6	0.289933
DRD4	0	0.619498	0.598	0.034	0	6	0.038876
DSC2	0	0.564875	0.649	0.034	0	6	0.03948
DSEL	1.34E-82	0.307269	0.423	0.08	4.51E-78	6	0.082762
DSG2	8.2E-59	0.250583	0.477	0.13	2.75E-54	6	0.132973
DSP	0	0.519859	0.586	0.018	0	6	0.022423
DTNA	1.1E-197	0.546258	0.682	0.099	3.6E-193	6	0.104296
DTNBP1	2.71E-27	0.381497	0.649	0.365	9.09E-23	6	0.367258
EEF1A1	1.25E-51	0.278067	1	1	4.18E-47	6	0.999716
EFEMP2	7.9E-138	0.432033	0.623	0.115	2.7E-133	6	0.119434
EFNA5	2.3E-185	0.902486	0.799	0.16	7.6E-181	6	0.165168

EIF2S3	1.43E-22	0.294867	0.862	0.679	4.81E-18	6	0.680324
EIF3F	3.18E-28	0.289187	0.987	0.941	1.07E-23	6	0.941864
EIF4A2	5.7E-53	0.485419	0.992	0.888	1.91E-48	6	0.88849
ELN	7E-203	0.616463	0.586	0.074	2.4E-198	6	0.078711
ELP4	8.03E-52	0.457341	0.703	0.317	2.69E-47	6	0.320529
EMP2	1.07E-25	0.299887	0.736	0.431	3.6E-21	6	0.433318
EPB41L4A-	1.47E-28	0.341297	0.833	0.562	4.94E-24	6	0.563839
ERGIC3	4.73E-23	0.257266	0.858	0.617	1.59E-18	6	0.619488
ERICH5	1.4E-241	0.28517	0.234	0.009	4.7E-237	6	0.011087
ERP29	4.92E-70	0.561346	0.983	0.887	1.65E-65	6	0.887602
EVA1B	3.9E-126	0.300073	0.49	0.074	1.3E-121	6	0.077929
FABP3	0	0.329749	0.444	0.026	0	6	0.02985
FAM129A	0	0.305666	0.418	0.008	0	6	0.011798
FAM213A	4.32E-27	0.332858	0.962	0.774	1.45E-22	6	0.775736
FAM84B	1E-214	0.349659	0.477	0.045	3.4E-210	6	0.048186
FBN1	0	0.574887	0.703	0.043	0	6	0.048932
FBN2	6.3E-156	0.592216	0.686	0.131	2.1E-151	6	0.135496
FBXO32	0	0.473485	0.527	0.025	0	6	0.029246
FCGRT	2.5E-139	0.297348	0.423	0.052	8.5E-135	6	0.055364
FGFR1	4.45E-64	0.626134	0.87	0.505	1.49E-59	6	0.507978
FILIP1	4.22E-49	0.4734	0.669	0.283	1.41E-44	6	0.286628
FKBP10	2.87E-39	0.356028	0.757	0.4	9.63E-35	6	0.403397
FKBP7	4.26E-70	0.279776	0.523	0.132	1.43E-65	6	0.134963
FLNA	9.97E-23	0.268168	0.795	0.503	3.34E-18	6	0.505526
FNIP2	7.37E-67	0.417752	0.628	0.201	2.47E-62	6	0.204577
FOXP1	1.27E-19	0.251595	0.778	0.512	4.27E-15	6	0.514374
FRZB	0	1.537262	0.854	0.018	0	6	0.025017
FST	2.06E-97	0.41075	0.322	0.042	6.92E-93	6	0.04417
FSTL1	1.9E-124	0.687844	0.828	0.245	6.4E-120	6	0.2496
FTH1	1.87E-69	0.597251	1	0.997	6.26E-65	6	0.997299
FTL	2.5E-102	0.670103	1	0.995	8.34E-98	6	0.994883
FUCA2	1.6E-161	0.539917	0.724	0.136	5.4E-157	6	0.14136
GABRG3	2.42E-89	0.549035	0.72	0.218	8.11E-85	6	0.221989
GALNT18	1.5E-214	0.448477	0.598	0.07	5.1E-210	6	0.07498
GCHFR	2.06E-40	0.350943	0.644	0.288	6.92E-36	6	0.291496
GDE1	3.46E-21	0.264355	0.808	0.553	1.16E-16	6	0.554813
GINM1	2.04E-21	0.260856	0.803	0.522	6.84E-17	6	0.524608
GIPC1	2.37E-25	0.313304	0.833	0.578	7.93E-21	6	0.57983
GJA1	0	2.36944	0.992	0.085	0	6	0.093032
GLIPR2	1.4E-68	0.423027	0.707	0.246	4.71E-64	6	0.249849
GNB3	2E-224	0.56794	0.586	0.067	6.7E-220	6	0.071355
GNG11	3.37E-12	0.284602	0.255	0.12	1.13E-07	6	0.121602
GNPDA1	1.6E-47	0.433227	0.883	0.509	5.36E-43	6	0.512597
GOLGA4	4.73E-44	0.549541	0.891	0.604	1.59E-39	6	0.606801
GOLGB1	6.05E-11	0.272118	0.753	0.583	2.03E-06	6	0.584521
GPNMB	0	1.026304	0.736	0.005	0	6	0.010838
GPR143	0	0.65069	0.632	0.012	0	6	0.017697
GPR180	5.7E-202	0.63737	0.72	0.114	1.9E-197	6	0.119363

GPRC5C	2.3E-58	0.257876	0.573	0.171	7.71E-54	6	0.174372
GPX8	1.28E-81	0.35396	0.649	0.18	4.29E-77	6	0.184073
GRASP	2E-281	0.296108	0.464	0.032	6.6E-277	6	0.035571
GRID2	9.6E-264	1.222245	0.858	0.14	3.2E-259	6	0.146335
GRN	3.16E-71	0.536785	0.799	0.343	1.06E-66	6	0.347358
GSTK1	3.91E-55	0.328672	0.611	0.21	1.31E-50	6	0.213319
GSTO1	3.36E-43	0.332187	0.812	0.38	1.13E-38	6	0.383959
GSTP1	3.6E-119	0.86478	1	0.986	1.2E-114	6	0.985964
HACD1	2.23E-86	0.342957	0.561	0.133	7.47E-82	6	0.136242
HADHB	4.98E-24	0.296532	0.845	0.573	1.67E-19	6	0.575673
HEXA	1.01E-28	0.271434	0.69	0.355	3.4E-24	6	0.358303
HIBCH	1.61E-32	0.324392	0.845	0.507	5.39E-28	6	0.510039
HIGD2A	8.21E-29	0.316247	0.937	0.791	2.75E-24	6	0.79258
HIST3H2A	6.49E-16	0.262065	0.774	0.571	2.18E-11	6	0.572261
HLA-A	2.26E-55	0.7474	0.854	0.516	7.58E-51	6	0.518638
HLA-B	7.6E-53	0.407718	0.406	0.108	2.55E-48	6	0.11016
HLA-C	4.12E-39	0.477056	0.644	0.307	1.38E-34	6	0.31001
HLA-E	1.21E-51	0.256427	0.519	0.159	4.07E-47	6	0.162325
HOMER3	3.14E-24	0.268124	0.849	0.584	1.05E-19	6	0.586191
HSBP1L1	0	0.36914	0.473	0.031	0	6	0.03454
HSD17B14	0	0.590243	0.686	0.046	0	6	0.051349
HSD17B2	0	2.230968	0.992	0.005	0	6	0.013184
HSP90B1	9.08E-30	0.483682	0.975	0.863	3.05E-25	6	0.863473
HSPA1A	1.15E-35	0.250315	0.498	0.18	3.86E-31	6	0.183114
HSPA5	1.14E-29	0.451581	0.925	0.765	3.81E-25	6	0.766639
HSPB1	5.79E-41	0.435803	0.912	0.612	1.94E-36	6	0.614584
HTRA1	2.2E-137	0.520665	0.728	0.154	7.3E-133	6	0.15863
HUNK	7.07E-49	0.286389	0.502	0.157	2.37E-44	6	0.159625
IFITM3	3.19E-80	0.363944	0.849	0.339	1.07E-75	6	0.343556
IGFBP4	3.8E-27	0.2629	0.519	0.235	1.27E-22	6	0.237731
IGFBP5	4.7E-125	1.505531	0.925	0.41	1.6E-120	6	0.414804
IGFBP7	0	2.779494	0.979	0.049	0	6	0.057176
INPP1	0	0.399027	0.548	0.039	0	6	0.043602
ITGAV	9.95E-91	0.383061	0.502	0.107	3.34E-86	6	0.110088
ITGB1	5.29E-36	0.38057	0.887	0.647	1.77E-31	6	0.648911
ITM2B	4.1E-133	1.709727	0.992	0.881	1.4E-128	6	0.882271
ITM2C	1.31E-58	0.516386	0.874	0.497	4.38E-54	6	0.500551
ITPKB	3.7E-173	0.300493	0.494	0.058	1.2E-168	6	0.062151
KCNIP4	0	0.470923	0.498	0.019	0	6	0.023134
KCNMB4	3.31E-26	0.254099	0.607	0.298	1.11E-21	6	0.300416
KCNQ1OT1	9.06E-77	1.022016	0.904	0.465	3.04E-72	6	0.468356
KDELR1	1.38E-68	0.530609	0.996	0.883	4.62E-64	6	0.884332
KIF21A	5.41E-21	0.341918	0.95	0.829	1.81E-16	6	0.830425
KLHDC8B	1.93E-38	0.346876	0.644	0.283	6.49E-34	6	0.286521
KREMEN1	3.4E-104	0.250787	0.418	0.065	1.2E-99	6	0.06773
KRT17	8.6E-109	0.563801	0.188	0.013	2.9E-104	6	0.01496
KRT18	3.6E-301	1.728719	0.87	0.124	1.2E-296	6	0.130308
KRT19	0	0.771188	0.485	0.016	0	6	0.019616



KRT8	0	1.710572	0.954	0.052	0	6	0.060019
LAMA5	6.39E-64	0.253313	0.448	0.106	2.14E-59	6	0.109022
LAMB2	1.5E-209	0.577979	0.715	0.109	5.1E-205	6	0.114388
LAMP2	3.33E-79	0.443863	0.715	0.235	1.12E-74	6	0.238869
LAPTM4A	3.6E-87	0.624013	0.987	0.832	1.21E-82	6	0.832948
LDHA	1.17E-21	0.263306	0.946	0.704	3.94E-17	6	0.706087
LEPROT	6.53E-74	0.502919	0.841	0.354	2.19E-69	6	0.358232
LETMD1	4.08E-36	0.273363	0.632	0.273	1.37E-31	6	0.276465
LGMN	3.23E-73	0.488736	0.732	0.281	1.08E-68	6	0.284567
LHFPL6	6.38E-97	0.465193	0.661	0.156	2.14E-92	6	0.15998
LINC01933	0	0.548	0.46	0.002	0	6	0.005863
LITAF	1.62E-43	0.289669	0.523	0.183	5.43E-39	6	0.185601
LMAN1	2.66E-54	0.421905	0.812	0.385	8.91E-50	6	0.388792
LOXL1	6.4E-126	0.55041	0.757	0.19	2.2E-121	6	0.194414
LPP	2.11E-65	0.299928	0.506	0.131	7.09E-61	6	0.133862
LRP10	4.88E-61	0.276558	0.473	0.123	1.64E-56	6	0.126328
LSR	3E-205	0.282944	0.435	0.038	1E-200	6	0.041754
MAB21L2	0	0.534664	0.586	0.007	0	6	0.011549
MAF	2.6E-115	0.272163	0.477	0.074	8.8E-111	6	0.077254
MAN1A1	0	0.54624	0.623	0.017	0	6	0.022494
MDK	5.2E-150	2.012139	1	0.76	1.8E-145	6	0.761984
MEST	2.77E-46	0.264283	0.707	0.28	9.28E-42	6	0.283359
METRNL	1.77E-48	0.351687	0.628	0.239	5.94E-44	6	0.241996
MFAP2	5.03E-32	0.299404	0.749	0.388	1.69E-27	6	0.391173
MFGE8	2.5E-125	0.818368	0.854	0.294	8.3E-121	6	0.299065
MGST1	2.29E-62	0.315436	0.527	0.141	7.67E-58	6	0.144025
MITF	0	1.405309	0.971	0.03	0	6	0.038165
MLEC	7.68E-37	0.396481	0.916	0.652	2.58E-32	6	0.654241
MSI2	2.39E-25	0.309756	0.757	0.48	8.02E-21	6	0.482321
MT-CO1	6.59E-83	0.454204	1	0.995	2.21E-78	6	0.994705
MT-CO2	8.71E-45	0.269359	1	0.995	2.92E-40	6	0.994776
MT-ND4	3.36E-35	0.27743	0.996	0.991	1.13E-30	6	0.990903
MXRA7	2.23E-57	0.358236	0.657	0.233	7.47E-53	6	0.236843
MYH9	9.95E-49	0.305019	0.49	0.153	3.34E-44	6	0.155432
MYL12A	2.44E-39	0.404953	0.891	0.548	8.17E-35	6	0.551295
MYL9	0	0.775335	0.678	0.027	0	6	0.032124
MYRF	0	0.390553	0.477	0.011	0	6	0.015422
NANOS1	1E-122	0.55897	0.64	0.136	3.5E-118	6	0.139832
NBEA	3.62E-67	0.505392	0.816	0.319	1.21E-62	6	0.322839
NCCRP1	0	0.955329	0.686	0.004	0	6	0.009488
NEAT1	4.5E-250	2.016587	0.967	0.22	1.5E-245	6	0.226182
NECAB2	4.7E-147	0.461009	0.481	0.065	1.6E-142	6	0.068192
NECTIN2	5.14E-39	0.349251	0.736	0.378	1.72E-34	6	0.380583
NELL2	2.15E-46	0.409814	0.833	0.401	7.22E-42	6	0.404996
NENF	9.85E-14	0.27821	0.833	0.649	3.3E-09	6	0.650297
NET1	1.1E-244	1.044136	0.849	0.151	3.6E-240	6	0.157031
NEU1	7.85E-48	0.322352	0.628	0.243	2.63E-43	6	0.246686
NEXN	1.8E-99	0.277861	0.368	0.053	6.02E-95	6	0.055826



NKAIN4	2.05E-89	0.814796	0.921	0.523	6.86E-85	6	0.526598
NPC2	1.6E-143	1.16599	0.992	0.59	5.3E-139	6	0.593049
NPW	1.2E-302	0.539776	0.477	0.033	4E-298	6	0.036282
NR2F1	6.89E-15	0.272893	0.908	0.758	2.31E-10	6	0.75907
NRIP1	9.63E-19	0.301942	0.59	0.348	3.23E-14	6	0.350485
NUCB1	2.5E-22	0.261908	0.728	0.445	8.37E-18	6	0.447532
NUDT14	1.41E-44	0.339019	0.766	0.356	4.72E-40	6	0.359724
NUDT4	4.69E-33	0.349576	0.615	0.288	1.57E-28	6	0.290644
OCA2	2.1E-238	0.253746	0.414	0.03	7.1E-234	6	0.033119
OSBPL1A	1.2E-175	1.086186	0.975	0.329	4.1E-171	6	0.33421
OST4	6.07E-25	0.264403	1	0.958	2.04E-20	6	0.958175
OSTC	2.49E-33	0.358216	0.95	0.828	8.35E-29	6	0.829253
OTX2	0	0.894443	0.862	0.047	0	6	0.05412
P4HTM	7.51E-30	0.273197	0.665	0.329	2.52E-25	6	0.332255
PARD6B	1.12E-67	0.332876	0.556	0.155	3.75E-63	6	0.158807
PAX6	1.08E-76	0.891506	0.967	0.721	3.64E-72	6	0.722753
PCBD1	4.99E-83	0.586177	0.883	0.411	1.67E-78	6	0.414875
PCDH7	6E-246	0.576469	0.661	0.076	2E-241	6	0.080523
PCDH9	3.4E-122	1.040759	0.828	0.24	1.1E-117	6	0.245478
PCMTD2	7.14E-26	0.285379	0.603	0.312	2.39E-21	6	0.314026
PCP4	3.25E-77	0.266568	0.406	0.075	1.09E-72	6	0.077751
PCYOX1	2.42E-26	0.278276	0.665	0.353	8.1E-22	6	0.35578
PDE4D	3.8E-212	0.595517	0.644	0.085	1.3E-207	6	0.089371
PDGFA	0	0.545589	0.644	0.043	0	6	0.047866
PDIA3	6.79E-24	0.316034	0.925	0.759	2.28E-19	6	0.759959
PDLIM2	2.21E-97	0.64439	0.883	0.352	7.43E-93	6	0.356455
PDLIM5	1.76E-50	0.305363	0.544	0.177	5.89E-46	6	0.180342
PDPN	0	0.418616	0.552	0.037	0	6	0.041754
PERP	0	0.424379	0.582	0.046	0	6	0.050709
PEX7	2.4E-114	0.36919	0.481	0.081	7.9E-110	6	0.084361
PFDN5	8.32E-38	0.302569	1	0.983	2.79E-33	6	0.982765
PGM5	0	0.627755	0.678	0.006	0	6	0.011371
PGM5-AS1	0	0.917844	0.561	0.005	0	6	0.009595
PHACTR2	0	1.006135	0.908	0.127	0	6	0.133506
PIP5K1B	2.7E-232	0.256937	0.339	0.021	8.9E-228	6	0.023489
PLA2G16	0	0.422355	0.502	0.021	0	6	0.025337
PLAC9	0	0.621189	0.64	0.022	0	6	0.02754
PLD3	6.97E-29	0.343354	0.929	0.728	2.34E-24	6	0.729967
PLD5	0	0.333831	0.423	0.009	0	6	0.012793
PLK2	2.3E-101	0.741022	0.653	0.161	7.56E-97	6	0.165062
PLS3	3.62E-58	0.262126	0.799	0.341	1.22E-53	6	0.345084
PLTP	1.98E-74	0.549446	0.866	0.394	6.64E-70	6	0.397925
PMEL	0	4.175827	0.996	0.022	0	6	0.02985
PPIB	3.64E-20	0.261924	0.954	0.878	1.22E-15	6	0.87854
PPP2R5A	2.76E-76	0.253189	0.431	0.088	9.27E-72	6	0.09097
PRDX6	5.5E-124	1.093648	1	0.861	1.9E-119	6	0.862443
PRR5	3.66E-73	0.277283	0.506	0.119	1.23E-68	6	0.122455
PSAP	3.02E-77	0.647064	0.895	0.508	1.01E-72	6	0.51146

PSAT1	3.1E-22	0.406443	0.933	0.708	1.04E-17	6	0.70957
PTGDS	0	1.70502	0.64	0.023	0	6	0.028286
PTP4A3	1.11E-39	0.277507	0.49	0.172	3.73E-35	6	0.175047
PTPMT1	6.01E-60	0.326041	0.661	0.22	2.02E-55	6	0.223517
PTTG1IP	4.77E-25	0.29875	0.824	0.602	1.6E-20	6	0.603568
PXDN	2.8E-68	0.475121	0.828	0.377	9.38E-64	6	0.380441
QPRT	0	1.402374	0.954	0.146	0	6	0.15298
RAB11FIP1	1.9E-234	0.345068	0.519	0.048	6.4E-230	6	0.051668
RAB13	4.31E-43	0.470212	0.916	0.597	1.45E-38	6	0.600085
RAB27A	4.6E-269	0.486367	0.536	0.046	1.5E-264	6	0.050389
RAB32	2.7E-265	0.533142	0.695	0.08	9.1E-261	6	0.084965
RAB34	1.98E-70	0.468554	0.782	0.317	6.63E-66	6	0.320635
RAB38	0	2.038326	0.983	0.08	0	6	0.087808
RAB3IP	2.32E-45	0.30867	0.544	0.19	7.78E-41	6	0.192602
RABAC1	1.35E-24	0.260603	0.979	0.92	4.53E-20	6	0.920365
RAI14	1.44E-52	0.423875	0.686	0.292	4.82E-48	6	0.295476
RARRES2	0	0.587495	0.561	0.039	0	6	0.042962
RASSF8	5.6E-106	0.609288	0.728	0.21	1.9E-101	6	0.214882
RASSF8-AS1	5.41E-53	0.354607	0.619	0.22	1.81E-48	6	0.223766
RBMS1	0	1.159851	0.891	0.066	0	6	0.073132
RBP1	1.7E-289	1.842014	0.983	0.196	5.7E-285	6	0.202658
RBP7	0	0.375867	0.372	0.006	0	6	0.009417
RBPMS	0	0.487418	0.623	0.055	0	6	0.059522
RDH10	3.9E-137	0.846158	0.724	0.17	1.3E-132	6	0.174443
REEP3	7.03E-26	0.267852	0.653	0.345	2.36E-21	6	0.347927
REEP5	4.51E-23	0.322821	0.762	0.486	1.51E-18	6	0.488575
RELN	1.5E-240	0.451409	0.611	0.063	5.2E-236	6	0.067624
REST	7.26E-20	0.265	0.745	0.472	2.43E-15	6	0.474574
RFLNB	1.3E-295	0.788807	0.782	0.098	4.4E-291	6	0.103692
RHOC	1.8E-116	0.976091	0.941	0.431	6.1E-112	6	0.434953
RNF13	7.55E-34	0.267199	0.699	0.331	2.53E-29	6	0.334316
RNF7	7.24E-34	0.370426	0.975	0.872	2.43E-29	6	0.872855
RPL10A	1.15E-38	0.290079	1	0.996	3.85E-34	6	0.996233
RPL12	7.43E-39	0.315342	1	0.996	2.49E-34	6	0.99634
RPL13A	1.15E-39	0.312638	0.996	0.987	3.87E-35	6	0.987456
RPL15	4.18E-74	0.335125	1	0.999	1.4E-69	6	0.998792
RPL18	1.12E-49	0.291451	1	0.998	3.75E-45	6	0.998294
RPL19	2.27E-52	0.317803	1	0.999	7.63E-48	6	0.998579
RPL23	1.48E-25	0.277686	1	0.989	4.97E-21	6	0.989268
RPL26	2.97E-64	0.375427	1	0.998	9.95E-60	6	0.997584
RPL35A	1.54E-66	0.357499	1	0.998	5.16E-62	6	0.998081
RPL5	4.59E-41	0.261805	1	0.998	1.54E-36	6	0.998508
RPL7	4.4E-42	0.321214	0.996	0.99	1.48E-37	6	0.990157
RPL7A	1.15E-42	0.279119	1	0.999	3.84E-38	6	0.998969
RPLP1	8.56E-74	0.405807	1	0.999	2.87E-69	6	0.998969
RPS12	2.45E-81	0.441876	1	0.998	8.21E-77	6	0.998436
RPS14	3.25E-41	0.289792	1	0.999	1.09E-36	6	0.998792
RPS18	3.77E-37	0.279903	1	0.999	1.26E-32	6	0.999041

RPS23	3.45E-42	0.274798	1	0.998	1.16E-37	6	0.998294
RPS27	2.98E-29	0.276046	1	0.999	9.99E-25	6	0.998579
RPS27A	9.04E-42	0.269554	1	0.998	3.03E-37	6	0.998365
RPS28	6.86E-51	0.350992	1	0.998	2.3E-46	6	0.997548
RPS3A	4.97E-43	0.300566	1	0.999	1.67E-38	6	0.998721
RPS4X	9.15E-64	0.547256	1	0.998	3.07E-59	6	0.998436
RPS6	2.98E-29	0.285454	1	0.997	1E-24	6	0.997513
RPS7	1.01E-33	0.263053	1	0.998	3.37E-29	6	0.997974
RPS9	2.9E-58	0.331234	1	0.998	9.74E-54	6	0.997619
RRAD	0	0.286929	0.314	0.007	0	6	0.009168
S100A10	7.8E-164	0.506597	0.473	0.055	2.6E-159	6	0.058171
S100A13	1E-124	0.585319	0.753	0.193	3.4E-120	6	0.197292
SDC2	3.05E-57	0.336971	0.678	0.239	1.02E-52	6	0.242884
SDCBP	2.94E-44	0.489011	0.979	0.767	9.86E-40	6	0.769091
SEC11A	3.72E-98	0.692276	1	0.873	1.25E-93	6	0.874276
SEMA6D	1.4E-226	0.440818	0.548	0.056	4.8E-222	6	0.060268
SERF2	4.51E-39	0.299018	1	0.987	1.51E-34	6	0.986923
SERPINF1	0	2.53277	0.996	0.043	0	6	0.051349
SERPINH1	1.97E-89	0.455085	0.695	0.199	6.62E-85	6	0.203191
SESN3	6.29E-92	0.899548	0.879	0.415	2.11E-87	6	0.419317
SGCD	0	0.265717	0.318	0.009	0	6	0.011478
SGK1	0	0.762227	0.644	0.054	0	6	0.05874
SHC2	1.28E-39	0.272658	0.636	0.257	4.31E-35	6	0.26019
SIX3	2.3E-107	0.501697	0.762	0.207	7.6E-103	6	0.212004
SLC24A5	0	0.596469	0.582	0.004	0	6	0.008493
SLC25A26	9.29E-73	0.758182	0.72	0.289	3.12E-68	6	0.292669
SLC25A6	5.89E-39	0.349099	1	0.977	1.98E-34	6	0.977577
SLC2A1	9.1E-243	1.306137	0.929	0.198	3.1E-238	6	0.204328
SLC35D3	0	0.811853	0.686	0.001	0	6	0.006574
SLC35G1	3.7E-205	0.803847	0.695	0.109	1.3E-200	6	0.1135
SLC3A2	1.3E-116	1.129261	0.983	0.768	4.4E-112	6	0.770228
SLC45A2	0	0.471487	0.54	0.002	0	6	0.006539
SLC4A2	1.88E-71	0.380947	0.653	0.203	6.32E-67	6	0.207313
SLC4A4	0	0.468772	0.498	0.017	0	6	0.020859
SLC6A15	1.2E-145	0.700569	0.699	0.146	3.9E-141	6	0.15099
SLC7A2	0	0.655596	0.611	0.003	0	6	0.007818
SLC7A5	3.75E-43	0.287308	0.423	0.128	1.26E-38	6	0.130273
SLC7A6	4.2E-116	0.46495	0.628	0.137	1.4E-111	6	0.141324
SLC7A8	0	1.311588	0.895	0.03	0	6	0.036886
SMAD3	1.05E-62	0.301845	0.561	0.165	3.51E-58	6	0.168011
SMIM1	2.27E-72	0.267005	0.402	0.081	7.6E-68	6	0.084077
SNCA	1.7E-109	0.994677	0.908	0.338	5.6E-105	6	0.34288
SNHG18	7E-242	0.301493	0.448	0.035	2.3E-237	6	0.038058
SNHG7	4.29E-25	0.405403	0.874	0.734	1.44E-20	6	0.734729
SNHG8	3.06E-56	0.548588	0.937	0.605	1.03E-51	6	0.608187
SOX6	2.89E-53	0.320204	0.569	0.19	9.71E-49	6	0.193028
SP5	0	0.349515	0.431	0.021	0	6	0.024271
SPARC	1.2E-158	1.531694	0.992	0.496	4.1E-154	6	0.500586

SPATS2L	5.4E-126	0.980922	0.883	0.317	1.8E-121	6	0.32227
SPOCK1	3.8E-131	0.724348	0.766	0.195	1.3E-126	6	0.19946
SPOCK3	0	0.269079	0.343	0.014	0	6	0.016773
SQSTM1	2.13E-41	0.401281	0.858	0.507	7.15E-37	6	0.509577
SSNA1	1.53E-21	0.353423	0.921	0.796	5.12E-17	6	0.79752
SSPN	0	0.387121	0.494	0.031	0	6	0.034505
SSR2	4.65E-26	0.278347	0.992	0.937	1.56E-21	6	0.937245
SSR3	6.09E-33	0.322143	0.904	0.642	2.04E-28	6	0.644149
SSR4	2.94E-21	0.258572	0.979	0.911	9.85E-17	6	0.911553
STRA6	2E-198	0.629964	0.757	0.131	6.8E-194	6	0.1361
STT3B	6.48E-62	0.591866	0.87	0.478	2.17E-57	6	0.481397
SYNGR1	8.21E-42	0.264756	0.506	0.177	2.75E-37	6	0.179382
SYT17	9.4E-211	0.43016	0.586	0.069	3.2E-206	6	0.07338
TACC1	6.43E-35	0.266014	0.519	0.2	2.15E-30	6	0.203156
TAGLN	5.3E-128	0.817989	0.372	0.044	1.8E-123	6	0.047155
TAX1BP1	3.69E-46	0.413003	0.874	0.515	1.24E-41	6	0.518496
TCEAL9	1.32E-15	0.255915	0.921	0.759	4.44E-11	6	0.760741
TFPI2	1.3E-112	0.306301	0.159	0.009	4.2E-108	6	0.010625
TGDS	4.5E-140	0.417224	0.623	0.113	1.5E-135	6	0.116876
TGFB2	0	0.282667	0.331	0.014	0	6	0.01624
TIMP1	1.72E-84	0.607252	0.87	0.369	5.77E-80	6	0.37369
TIMP2	1.71E-48	0.436975	0.849	0.473	5.74E-44	6	0.476067
TIMP3	3.8E-269	0.628661	0.674	0.074	1.3E-264	6	0.079421
TLE4	1.48E-19	0.313051	0.887	0.679	4.95E-15	6	0.681106
TMBIM4	1.35E-30	0.319189	0.854	0.551	4.52E-26	6	0.553463
TMED4	6.41E-20	0.281723	0.808	0.564	2.15E-15	6	0.566149
TMEFF2	1.9E-250	1.343168	0.933	0.182	6.5E-246	6	0.18887
TMEM101	3.51E-38	0.30005	0.669	0.3	1.18E-33	6	0.302903
TMEM141	8.82E-28	0.271898	0.753	0.421	2.96E-23	6	0.42351
TMEM147	3.37E-20	0.263297	0.908	0.767	1.13E-15	6	0.768132
TMEM14C	1.49E-29	0.32279	0.941	0.802	5E-25	6	0.803063
TMEM159	8.01E-88	0.300904	0.531	0.116	2.69E-83	6	0.119043
TMEM176E	0	0.379868	0.36	0.003	0	6	0.006503
TMEM179E	3.31E-40	0.3552	0.762	0.391	1.11E-35	6	0.394194
TMEM205	1.6E-25	0.268365	0.762	0.46	5.38E-21	6	0.462492
TMEM245	2.12E-38	0.292092	0.661	0.294	7.1E-34	6	0.296969
TMEM37	0	0.296244	0.368	0.006	0	6	0.008919
TMEM59	2.62E-20	0.251657	0.946	0.822	8.78E-16	6	0.823318
TMEM88	1.7E-177	0.350688	0.435	0.044	5.6E-173	6	0.047511
TMEM98	5.36E-90	1.007604	0.979	0.73	1.8E-85	6	0.731673
TNNC1	0	0.440848	0.41	0.011	0	6	0.014356
TPM1	5.26E-28	0.793061	0.912	0.777	1.77E-23	6	0.778046
TPM2	0	1.254115	0.912	0.051	0	6	0.057994
TPP1	4.97E-93	0.352238	0.573	0.13	1.67E-88	6	0.134217
TPRN	1.36E-81	0.621139	0.736	0.277	4.55E-77	6	0.281262
TRAPPC2L	4.79E-40	0.477382	0.921	0.743	1.61E-35	6	0.744074
TRMT112	1.94E-24	0.296945	0.979	0.857	6.51E-20	6	0.85761
TRPM1	0	1.586965	0.916	0.003	0	6	0.010341

TRPM3	0	2.350204	1	0.075	0	6	0.083224
TSC22D1	2.53E-09	0.494509	0.921	0.882	8.49E-05	6	0.881987
TSC22D3	1.08E-60	0.342342	0.653	0.214	3.63E-56	6	0.217263
TSPAN10	0	1.408901	0.929	0.051	0	6	0.0581
TUBA1C	8.68E-64	0.333533	0.502	0.124	2.91E-59	6	0.127465
TYR	0	0.803879	0.607	0.001	0	6	0.006361
TYRP1	0	2.020501	0.904	0.003	0	6	0.011123
UPP1	5.9E-123	0.452769	0.435	0.062	2E-118	6	0.065314
UQCRB	3.37E-30	0.295567	1	0.965	1.13E-25	6	0.965495
USP18	7.5E-137	0.274651	0.36	0.038	2.5E-132	6	0.04115
UTRN	3.93E-31	0.261222	0.552	0.242	1.32E-26	6	0.244661
VAMP3	3.24E-74	0.375637	0.628	0.187	1.09E-69	6	0.190505
VAT1	2.27E-45	0.320437	0.749	0.331	7.61E-41	6	0.334636
VCL	8.76E-60	0.418874	0.665	0.244	2.94E-55	6	0.247681
VEGFB	2.01E-51	0.494439	0.916	0.574	6.73E-47	6	0.576881
VGLL4	2.91E-28	0.29106	0.891	0.621	9.77E-24	6	0.623077
VIM	1.52E-27	0.430528	1	0.953	5.09E-23	6	0.953875
VKORC1	1.94E-18	0.259313	0.916	0.763	6.51E-14	6	0.764507
WASF2	4.86E-45	0.39586	0.854	0.478	1.63E-40	6	0.481326
WDR83OS	4.31E-26	0.277683	0.979	0.877	1.45E-21	6	0.877758
WFDC1	0	0.753338	0.506	0.001	0	6	0.005472
WLS	9.2E-150	0.653706	0.921	0.244	3.1E-145	6	0.249991
WNT2B	0	2.161774	0.925	0.108	0	6	0.114637
WNT5A	9.3E-117	0.266453	0.41	0.057	3.1E-112	6	0.059699
ZFAS1	9.09E-34	0.32351	0.992	0.978	3.05E-29	6	0.978537
ZFHX3	3.03E-42	0.276001	0.674	0.283	1.02E-37	6	0.285882
ZFHX4	1.22E-35	0.365723	0.72	0.344	4.09E-31	6	0.346754
ZFP36L2	5.68E-40	0.463395	0.837	0.498	1.9E-35	6	0.500657
ZNF106	9.68E-56	0.598116	0.828	0.486	3.25E-51	6	0.489215
ZNF330	3.82E-31	0.276782	0.707	0.372	1.28E-26	6	0.374436
ZNF503	0	1.122948	0.929	0.118	0	6	0.124658
ZNF503-AS1	1.8E-166	0.252671	0.41	0.041	6.1E-162	6	0.044384
ABCA5	5.75E-81	0.362526	0.444	0.06	1.93E-76	7	0.062187
ABLIM1	2.57E-87	0.251225	0.423	0.05	8.6E-83	7	0.051491
ABRACL	1.28E-24	0.63735	0.887	0.708	4.3E-20	7	0.70925
AC004233.	0	1.009566	0.641	0.001	0	7	0.004371
AC245297.	4.89E-51	0.266671	0.415	0.076	1.64E-46	7	0.077503
ACTG2	0	0.458719	0.239	0.004	0	7	0.004904
ACTN1	5.04E-11	0.399871	0.57	0.36	1.69E-06	7	0.360613
ACTN4	1.83E-20	0.419654	0.754	0.459	6.14E-16	7	0.460396
ADI1	2.35E-14	0.263604	0.655	0.348	7.88E-10	7	0.350023
AES	4.74E-09	0.264543	0.951	0.907	0.000159	7	0.907502
AHNAK	9.98E-38	0.689339	0.606	0.233	3.35E-33	7	0.234782
AKAP12	8.08E-11	0.505608	0.739	0.602	2.71E-06	7	0.602857
AKR1B1	5.52E-06	0.25595	0.831	0.71	0.185052	7	0.710351
AL390719.	0	0.344597	0.261	0	0	7	0.001599
ALCAM	2E-142	0.35619	0.444	0.036	6.6E-138	7	0.037774
ANOS1	1.38E-46	0.259483	0.31	0.05	4.63E-42	7	0.050816



ANXA1	0	1.709588	0.676	0.033	0	7	0.036353
ANXA2	7.1E-164	2.186796	0.937	0.179	2.4E-159	7	0.1829
ANXA3	0	0.843798	0.57	0.021	0	7	0.023311
ANXA4	2.5E-155	0.388481	0.458	0.036	8.5E-151	7	0.037952
AP1M2	0	0.34477	0.437	0.002	0	7	0.003696
APCDD1	7.79E-67	1.600004	0.669	0.191	2.61E-62	7	0.192921
APLP2	8.95E-18	0.393217	0.852	0.721	3E-13	7	0.721581
APMAP	8.22E-14	0.319011	0.789	0.526	2.76E-09	7	0.527806
APOE	3.1E-261	1.93524	0.704	0.054	1E-256	7	0.056892
APP	1.93E-23	0.405221	0.908	0.71	6.46E-19	7	0.711275
AQP3	0	0.98663	0.303	0.006	0	7	0.007533
AREG	0	0.747284	0.197	0	0	7	0.001173
ARHGAP29	0	1.152312	0.697	0.025	0	7	0.028855
ARHGDIG	3.7E-08	0.588634	0.289	0.146	0.00124	7	0.147081
ARHGEF19	3.56E-40	0.255573	0.408	0.088	1.19E-35	7	0.089229
ARHGEF35	0	0.336205	0.373	0.002	0	7	0.003625
ARHGEF5	0	0.31481	0.415	0.002	0	7	0.003696
ARID5B	1.78E-09	0.315349	0.535	0.341	5.97E-05	7	0.341992
ARPC1B	1.09E-32	0.251088	0.458	0.126	3.66E-28	7	0.127536
ARPC2	1.23E-49	0.771012	0.993	0.951	4.12E-45	7	0.951246
ASAH1	1.35E-15	0.312356	0.81	0.537	4.51E-11	7	0.538858
ATF5	3.04E-25	0.957873	0.592	0.243	1.02E-20	7	0.244696
ATOX1	6.22E-11	0.281022	0.937	0.858	2.09E-06	7	0.858569
ATP1A1	1.43E-11	0.251893	0.718	0.44	4.81E-07	7	0.441313
ATP6V0E1	2.39E-24	0.433735	0.93	0.752	8.01E-20	7	0.753314
B2M	1.47E-06	0.256286	0.641	0.57	0.049247	7	0.570555
BCAM	8.37E-65	1.584702	0.718	0.256	2.81E-60	7	0.258449
BCAP31	3.1E-11	0.263799	0.852	0.628	1.04E-06	7	0.628833
BLVRB	2.94E-26	0.372129	0.739	0.36	9.86E-22	7	0.361643
BMP7	3.09E-12	0.329664	0.577	0.339	1.04E-07	7	0.339967
BRINP1	5.1E-210	0.522387	0.493	0.031	1.7E-205	7	0.032977
C11orf1	9.02E-09	0.255041	0.648	0.432	0.000303	7	0.433282
C1orf21	7.77E-12	0.302909	0.634	0.4	2.61E-07	7	0.401585
C1orf54	5.44E-25	0.328384	0.38	0.116	1.83E-20	7	0.117089
C4orf3	1.39E-21	0.461085	0.951	0.772	4.67E-17	7	0.772503
C9orf3	4.12E-63	0.359104	0.507	0.097	1.38E-58	7	0.098611
CALB2	9.31E-10	0.99235	0.261	0.114	3.12E-05	7	0.114317
CALD1	2.7E-19	0.627492	0.894	0.794	9.05E-15	7	0.794712
CALR	5.16E-14	0.393632	0.958	0.894	1.73E-09	7	0.894496
CAPG	2.26E-64	0.603721	0.627	0.153	7.57E-60	7	0.15497
CAPN1	1.41E-30	0.432918	0.796	0.402	4.74E-26	7	0.403895
CARMIL1	1.2E-21	0.254636	0.479	0.173	4.02E-17	7	0.174514
CAST	1.15E-51	0.433534	0.627	0.171	3.87E-47	7	0.173164
CAV1	0	1.025937	0.563	0.007	0	7	0.009666
CAV2	0	0.436225	0.387	0.006	0	7	0.007995
CCDC186	2.98E-20	0.254957	0.57	0.242	1E-15	7	0.243844
CCDC3	0	0.544333	0.43	0.009	0	7	0.011016
CCDC80	3.14E-72	0.379794	0.331	0.038	1.05E-67	7	0.0398



CD164	6.36E-17	0.285628	0.641	0.336	2.13E-12	7	0.337088
CD81	6.16E-14	0.303292	0.972	0.956	2.07E-09	7	0.956469
CD9	9.3E-233	1.241087	0.746	0.069	3.1E-228	7	0.072385
CDC42	4.17E-19	0.333687	0.993	0.874	1.4E-14	7	0.874205
CDC42EP5	6.58E-75	0.418049	0.514	0.088	2.21E-70	7	0.089975
CDH1	0	0.581397	0.514	0.001	0	7	0.003305
CDH3	0	0.690118	0.599	0.009	0	7	0.011478
CDKN1C	1.19E-23	0.478197	0.599	0.243	3.98E-19	7	0.244448
CEBPB	2.04E-46	0.278985	0.366	0.066	6.85E-42	7	0.067304
CEBPD	0	0.520992	0.437	0.014	0	7	0.016062
CFI	5.33E-36	0.268485	0.408	0.096	1.79E-31	7	0.097971
CLDN4	0	0.702681	0.549	0.005	0	7	0.008031
CLDN6	0	1.045384	0.81	0.02	0	7	0.023667
CLDN7	0	0.360403	0.303	0	0	7	0.001848
CLIC1	2.27E-19	0.463409	0.923	0.741	7.62E-15	7	0.742085
COL17A1	0	0.903211	0.57	0.002	0	7	0.004371
COL18A1	5.3E-36	0.65861	0.655	0.278	1.78E-31	7	0.279983
COL1A2	0	0.882197	0.627	0.032	0	7	0.035251
COL3A1	1.2E-249	0.335623	0.38	0.015	4.1E-245	7	0.016844
COL5A1	1.13E-47	0.368648	0.451	0.1	3.79E-43	7	0.102057
COL5A2	1.8E-243	0.7469	0.535	0.032	6.2E-239	7	0.034576
COMTD1	2.41E-57	0.293811	0.535	0.108	8.08E-53	7	0.109662
COX14	1.77E-12	0.256533	0.746	0.474	5.95E-08	7	0.475569
CRABP1	0.002636	0.555893	0.204	0.125	1	7	0.125262
CRABP2	8.3E-147	1.108503	0.873	0.16	2.8E-142	7	0.163391
CRNDE	1.47E-77	0.980733	0.838	0.27	4.94E-73	7	0.272378
CROT	1.53E-22	0.275254	0.465	0.17	5.14E-18	7	0.171245
CSRP1	3.4E-96	0.697605	0.5	0.069	1.14E-91	7	0.071177
CTDSP1	1.62E-21	0.335077	0.704	0.354	5.45E-17	7	0.355496
CTNNA1	5.01E-23	0.491931	0.803	0.51	1.68E-18	7	0.510998
CTNNBIP1	1.07E-30	0.495626	0.859	0.523	3.59E-26	7	0.52475
CXCL14	8.1E-279	4.308899	0.697	0.051	2.7E-274	7	0.054262
CYB5A	1.85E-12	0.342608	0.732	0.498	6.21E-08	7	0.498738
CYBA	6.15E-33	0.613561	0.662	0.289	2.06E-28	7	0.290572
CYP1A1	0	0.29997	0.148	0	0	7	0.001102
CYR61	0.001916	0.351355	0.423	0.331	1	7	0.331865
DBI	5.89E-07	0.284158	0.958	0.946	0.019754	7	0.946448
DCN	0	2.191146	0.69	0.014	0	7	0.017874
DECR1	1.97E-14	0.322319	0.683	0.414	6.6E-10	7	0.415728
DEGS1	7.34E-29	0.58165	0.831	0.506	2.46E-24	7	0.507587
DLK2	1.39E-14	0.261982	0.366	0.143	4.65E-10	7	0.144096
DLX5	4.4E-232	0.356914	0.345	0.013	1.5E-227	7	0.014854
DMKN	7.8E-131	0.425188	0.423	0.035	2.6E-126	7	0.037206
DNAJC15	1.1E-100	0.521415	0.627	0.098	3.62E-96	7	0.100494
DSC2	0	0.807807	0.669	0.036	0	7	0.03948
DSC3	0	0.554047	0.479	0.004	0	7	0.006645
DSE	7.9E-39	0.263733	0.521	0.138	2.65E-34	7	0.14008
DSG2	1.57E-54	0.394914	0.549	0.131	5.28E-50	7	0.132973

DSP	0	1.390033	0.824	0.018	0	7	0.022423
DST	5.01E-45	0.961638	0.873	0.466	1.68E-40	7	0.468107
DSTN	5.78E-16	0.299183	0.979	0.954	1.94E-11	7	0.95455
DUSP14	2.95E-22	0.30692	0.669	0.309	9.89E-18	7	0.311041
EBF3	2.16E-34	0.439425	0.239	0.04	7.26E-30	7	0.041257
ECHDC2	7.8E-137	0.359069	0.458	0.04	2.6E-132	7	0.042287
EDN1	0	0.297416	0.303	0.003	0	7	0.004264
EFNA1	2.99E-58	0.357242	0.415	0.07	1E-53	7	0.07203
EFNA5	1.07E-31	0.532621	0.521	0.163	3.57E-27	7	0.165168
EGFR	5.2E-219	0.426096	0.5	0.031	1.8E-214	7	0.032977
EIF2S3	9.8E-13	0.268766	0.873	0.679	3.29E-08	7	0.680324
ELF1	9.04E-78	0.341181	0.493	0.077	3.03E-73	7	0.079173
ENPP1	3.5E-108	0.43859	0.296	0.021	1.2E-103	7	0.022814
ENSA	3.59E-09	0.250285	0.894	0.736	0.00012	7	0.73679
EPCAM	0	1.385462	0.937	0.041	0	7	0.045592
ESRP1	0	0.273903	0.38	0.001	0	7	0.002878
ETS2	4.7E-159	0.38414	0.437	0.031	1.6E-154	7	0.033368
EYA2	2.21E-43	0.396212	0.352	0.064	7.42E-39	7	0.065811
F11R	1.7E-302	0.270302	0.373	0.012	5.8E-298	7	0.013539
FABP3	3.46E-12	0.355475	0.127	0.029	1.16E-07	7	0.02985
FAIM	1.25E-43	0.288344	0.38	0.075	4.19E-39	7	0.076472
FAM210B	9.97E-21	0.319284	0.704	0.368	3.34E-16	7	0.369603
FAM213A	3.14E-16	0.391778	0.972	0.775	1.05E-11	7	0.775736
FAM3C	2.03E-20	0.425614	0.746	0.473	6.81E-16	7	0.473899
FAM84A	8.6E-152	0.492031	0.5	0.043	2.9E-147	7	0.045414
FBLIM1	4.99E-39	0.30132	0.507	0.135	1.67E-34	7	0.136776
FBN2	2.15E-22	0.257878	0.408	0.134	7.2E-18	7	0.135496
FCGRT	7.4E-120	0.389116	0.493	0.053	2.5E-115	7	0.055364
FERMT1	0	0.502289	0.521	0.003	0	7	0.005792
FEZF1	1.07E-31	0.276456	0.232	0.04	3.59E-27	7	0.040475
FGFR2	3.2E-19	0.33812	0.535	0.243	1.07E-14	7	0.244803
FILIP1L	4.3E-112	0.496825	0.401	0.038	1.4E-107	7	0.039409
FKBP9	1.84E-60	0.280336	0.444	0.076	6.18E-56	7	0.078107
FLNA	5.75E-07	0.303424	0.627	0.505	0.019292	7	0.505526
FLNB	7.82E-37	0.343121	0.528	0.156	2.62E-32	7	0.157919
FN1	1.13E-20	0.356589	0.282	0.076	3.79E-16	7	0.076614
FNDC5	5.32E-12	0.414961	0.408	0.192	1.78E-07	7	0.193419
FRMD6	3.1E-35	0.311746	0.366	0.084	1.04E-30	7	0.08564
FST	5.4E-258	1.676111	0.62	0.041	1.8E-253	7	0.04417
FSTL1	1.78E-17	0.309079	0.535	0.248	5.99E-13	7	0.2496
FSTL5	3.88E-07	0.827055	0.239	0.12	0.012996	7	0.120962
FTH1	1.01E-53	0.606231	1	0.997	3.4E-49	7	0.997299
FXD3	0	0.632414	0.542	0.001	0	7	0.003234
GADD45B	4.94E-62	0.330327	0.268	0.029	1.66E-57	7	0.03017
GALNT3	0	0.288077	0.408	0.001	0	7	0.003518
GATA3	0	0.465808	0.451	0.001	0	7	0.003234
GIPC1	8.7E-16	0.419666	0.796	0.579	2.92E-11	7	0.57983
GJA1	1.77E-84	0.500651	0.556	0.091	5.93E-80	7	0.093032

GJB2	0	0.807961	0.472	0.001	0	7	0.003198
GJB6	0	0.963628	0.507	0	0	7	0.002843
GLTP	1.63E-10	0.31329	0.676	0.471	5.46E-06	7	0.472407
GNG8	4.61E-19	0.869946	0.254	0.074	1.55E-14	7	0.074553
GNPTAB	3.5E-32	0.313144	0.627	0.211	1.17E-27	7	0.213177
GOLGA4	3.89E-09	0.26828	0.768	0.606	0.00013	7	0.606801
GPC3	8.46E-13	0.326465	0.514	0.276	2.84E-08	7	0.277495
GRASP	7.11E-53	0.698736	0.268	0.034	2.38E-48	7	0.035571
GSN	9.49E-20	0.41538	0.57	0.262	3.18E-15	7	0.263281
GSTK1	7.77E-38	0.35386	0.641	0.211	2.61E-33	7	0.213319
GSTO1	4.33E-33	0.635955	0.768	0.382	1.45E-28	7	0.383959
GSTP1	5.48E-15	0.337813	0.972	0.986	1.84E-10	7	0.985964
H3F3B	5.71E-25	0.404755	1	0.996	1.92E-20	7	0.995594
HCFC1R1	9.42E-11	0.2627	0.711	0.439	3.16E-06	7	0.440176
HEBP2	1.07E-30	0.493914	0.958	0.691	3.58E-26	7	0.692157
HIC1	0	0.398643	0.408	0.006	0	7	0.008422
HLA-E	1.11E-25	0.266944	0.479	0.161	3.73E-21	7	0.162325
HOTAIRM1	0	0.768682	0.535	0.002	0	7	0.004442
HSP90B1	2.75E-11	0.412739	0.937	0.863	9.21E-07	7	0.863473
HSPA5	3.09E-19	0.465428	0.908	0.766	1.03E-14	7	0.766639
HSPB1	7.24E-18	0.772567	0.768	0.614	2.43E-13	7	0.614584
HSPG2	1.68E-29	0.251241	0.359	0.09	5.64E-25	7	0.091575
ID1	1.74E-11	0.464766	0.69	0.47	5.82E-07	7	0.471128
IER3	2.05E-16	0.457987	0.345	0.12	6.89E-12	7	0.120785
IGF2.1	0	0.402404	0.359	0.002	0	7	0.004015
IGFBP6	5.6E-303	0.900046	0.387	0.013	1.9E-298	7	0.014783
IGFBP7	1.1E-100	0.381167	0.479	0.055	3.58E-96	7	0.057176
IGFL2	0	0.984653	0.268	0.001	0	7	0.002452
INPP1	2.73E-72	0.253307	0.352	0.042	9.17E-68	7	0.043602
INSM1	7.79E-05	0.363179	0.254	0.147	1	7	0.147898
IQGAP1	3.98E-16	0.289687	0.613	0.334	1.34E-11	7	0.33588
IRF6	0	0.273154	0.338	0	0	7	0.002061
IRX3	0	0.860518	0.606	0.004	0	7	0.006894
IRX5	0	0.591592	0.521	0.006	0	7	0.008742
ITGA6	1.21E-50	0.777847	0.655	0.219	4.05E-46	7	0.220852
ITGAV	4.24E-39	0.336511	0.444	0.108	1.42E-34	7	0.110088
ITGB1	2.47E-30	0.672487	0.901	0.648	8.28E-26	7	0.648911
ITGB4	0	0.35439	0.394	0.006	0	7	0.00796
ITGB5	0	0.542806	0.535	0.022	0	7	0.024733
ITM2B	3.74E-23	0.401178	0.958	0.882	1.25E-18	7	0.882271
JAG2	7.2E-159	0.379159	0.479	0.038	2.4E-154	7	0.039942
JUNB	0.000378	0.2572	0.401	0.294	1	7	0.294197
JUP	2.08E-60	0.523605	0.754	0.22	6.98E-56	7	0.222736
KANK1	2.52E-80	0.29141	0.38	0.046	8.47E-76	7	0.047298
KCNQ1OT1	2.02E-12	0.468054	0.754	0.467	6.76E-08	7	0.468356
KDELR1	3.01E-13	0.267215	0.958	0.884	1.01E-08	7	0.884332
KIF19	2.13E-15	0.254327	0.218	0.061	7.14E-11	7	0.062009
KITLG	3.48E-69	0.299789	0.366	0.049	1.17E-64	7	0.050496

KLC3	0	0.632185	0.549	0.008	0	7	0.010518
KLF5	3.1E-159	0.485383	0.437	0.032	1E-154	7	0.034149
KLHL35	0.000175	0.361107	0.254	0.148	1	7	0.148182
KREMEN1	2.71E-67	0.299481	0.43	0.066	9.1E-63	7	0.06773
KREMEN2	0	1.818174	0.704	0.018	0	7	0.021854
KRT15	0	2.446847	0.676	0.003	0	7	0.006823
KRT17	0	3.647836	0.725	0.011	0	7	0.01496
KRT18	3.5E-153	1.244753	0.831	0.127	1.2E-148	7	0.130308
KRT19	0	3.02024	0.81	0.016	0	7	0.019616
KRT23	0	0.289468	0.183	0.002	0	7	0.002452
KRT5	0	2.165448	0.577	0.003	0	7	0.005686
KRT8	0	1.844936	0.951	0.056	0	7	0.060019
KTN1	1.65E-08	0.257746	0.866	0.793	0.000555	7	0.793113
L1TD1	6.1E-157	0.282573	0.303	0.015	2E-152	7	0.016702
LAD1	0	0.372006	0.352	0	0	7	0.001883
LAMA5	1.1E-55	0.359874	0.507	0.107	3.69E-51	7	0.109022
LAMB1	1.5E-144	0.466433	0.599	0.065	5.2E-140	7	0.067233
LAMP1	1.24E-34	0.584605	0.81	0.438	4.17E-30	7	0.439537
LARGE2	0	0.389603	0.401	0.005	0	7	0.006929
LDHA	4.44E-07	0.407145	0.789	0.706	0.014893	7	0.706087
LEPROT	2.78E-30	0.396677	0.775	0.356	9.33E-26	7	0.358232
LGALS3	2.6E-162	0.514034	0.373	0.023	8.8E-158	7	0.024519
LGR4	5.8E-176	0.28754	0.408	0.025	2E-171	7	0.026865
LIMA1	1.28E-65	0.736413	0.725	0.213	4.3E-61	7	0.215131
LITAF	6.98E-39	0.421986	0.577	0.184	2.34E-34	7	0.185601
LMAN1	6.7E-22	0.376303	0.711	0.387	2.25E-17	7	0.388792
LMNA	1.45E-46	0.788524	0.796	0.35	4.85E-42	7	0.352049
LMO1	8.2E-190	0.276738	0.261	0.009	2.7E-185	7	0.010447
LMO4	1.57E-24	0.378138	0.845	0.463	5.26E-20	7	0.465406
LPP	2.59E-32	0.300227	0.465	0.132	8.67E-28	7	0.133862
LRRC42	4.13E-06	0.323018	0.718	0.556	0.138428	7	0.556981
LSR	1E-150	0.321398	0.479	0.04	3.4E-146	7	0.041754
LURAP1L	1.7E-130	0.440214	0.458	0.042	5.6E-126	7	0.044348
LY6E	5.15E-07	0.261786	0.704	0.519	0.017264	7	0.520237
LYPD6B	2.3E-131	0.35993	0.479	0.045	7.6E-127	7	0.047333
MAPK13	0	0.365581	0.415	0.01	0	7	0.011656
MARVELD3	0	0.328051	0.458	0.009	0	7	0.011585
MAST4	1.73E-47	0.303718	0.486	0.108	5.79E-43	7	0.110053
MBP	0	0.303463	0.43	0.012	0	7	0.014534
MDK	3.3E-27	0.834664	0.894	0.761	1.11E-22	7	0.761984
MEST	3.17E-46	0.819194	0.768	0.281	1.06E-41	7	0.283359
MSI2	1.96E-08	0.29608	0.704	0.481	0.000657	7	0.482321
MT-ATP6	1.73E-24	0.310408	0.972	0.993	5.8E-20	7	0.993071
MT-CO1	1.74E-34	0.350262	0.972	0.995	5.84E-30	7	0.994705
MT-CO2	9.44E-28	0.297903	0.979	0.995	3.17E-23	7	0.994776
MT-CYB	4.45E-32	0.374186	0.958	0.993	1.49E-27	7	0.993284
MT-ND3	2.84E-19	0.311265	0.944	0.99	9.54E-15	7	0.989517
MT-ND4	3.65E-33	0.347481	0.958	0.991	1.23E-28	7	0.990903

MT-ND5	2.1E-12	0.256457	0.951	0.964	7.06E-08	7	0.96418
MT-ND6	1.06E-06	0.295989	0.711	0.589	0.035586	7	0.589887
MT1F	4.8E-80	0.499145	0.324	0.034	1.61E-75	7	0.035749
MT1X	1.89E-23	0.443799	0.479	0.182	6.33E-19	7	0.18386
MYH9	2.06E-78	0.602535	0.683	0.153	6.9E-74	7	0.155432
MYL12A	2.13E-58	0.922232	0.93	0.549	7.15E-54	7	0.551295
MYL12B	9.42E-49	0.682277	0.993	0.922	3.16E-44	7	0.922675
MYL6	5.23E-37	0.616823	1	0.989	1.76E-32	7	0.989553
MYL9	2.09E-39	0.319563	0.225	0.031	7E-35	7	0.032124
MYO6	3.81E-17	0.339373	0.782	0.456	1.28E-12	7	0.457944
NAGK	6.02E-14	0.281116	0.662	0.378	2.02E-09	7	0.379837
NAV2	1.82E-73	0.565838	0.669	0.155	6.09E-69	7	0.15799
NDFIP2	2.35E-53	0.33674	0.556	0.127	7.89E-49	7	0.129597
NEAT1	2.58E-21	0.50341	0.542	0.225	8.65E-17	7	0.226182
NECTIN1	2.37E-36	0.284856	0.5	0.138	7.95E-32	7	0.139796
NECTIN2	4.74E-24	0.361631	0.732	0.379	1.59E-19	7	0.380583
NFE2L2	6.39E-11	0.27423	0.669	0.432	2.14E-06	7	0.433069
NFKBIA	1.12E-15	0.604182	0.634	0.391	3.77E-11	7	0.391848
NPC2	4.23E-14	0.403403	0.761	0.592	1.42E-09	7	0.593049
NR3C1	9.8E-122	0.374487	0.507	0.055	3.3E-117	7	0.056999
NTF4	0	0.310328	0.373	0.01	0	7	0.011762
OCIAD2	3.95E-19	0.417703	0.894	0.639	1.32E-14	7	0.640205
OLFM2	1.92E-39	0.614382	0.838	0.385	6.43E-35	7	0.387335
OPTN	1.63E-43	0.460496	0.746	0.262	5.48E-39	7	0.264241
ORAI3	8.39E-26	0.260986	0.43	0.13	2.81E-21	7	0.131587
OSBPL1A	1.06E-28	0.475946	0.711	0.332	3.56E-24	7	0.33421
P4HA2	6E-160	0.513358	0.507	0.043	2E-155	7	0.045627
PAPSS1	1.6E-06	0.263838	0.761	0.547	0.053557	7	0.548133
PAWR	9.53E-21	0.375031	0.803	0.488	3.2E-16	7	0.489251
PDE4D	4.05E-39	0.299716	0.401	0.088	1.36E-34	7	0.089371
PDGFA	7.4E-244	0.803967	0.627	0.045	2.5E-239	7	0.047866
PDGFC	2.19E-27	0.425498	0.507	0.182	7.34E-23	7	0.183327
PDGFD	5.68E-35	0.284018	0.366	0.083	1.9E-30	7	0.084148
PDIA4	2.11E-19	0.378278	0.718	0.407	7.06E-15	7	0.408266
PDLIM1	3.01E-40	0.757602	0.81	0.444	1.01E-35	7	0.446324
PDLIM4	3.41E-41	0.600135	0.634	0.236	1.14E-36	7	0.238264
PERP	0	1.508872	0.887	0.046	0	7	0.050709
PKP3	0	0.642405	0.634	0.001	0	7	0.003767
PLAU	0	0.519504	0.408	0.009	0	7	0.0113
PLD3	1.2E-11	0.267111	0.887	0.729	4.01E-07	7	0.729967
PLEKHA1	2.11E-16	0.299252	0.648	0.348	7.07E-12	7	0.349561
PLK2	3.57E-38	0.491638	0.563	0.163	1.2E-33	7	0.165062
PLP2	1.35E-52	0.663683	0.775	0.282	4.52E-48	7	0.284212
PMAIP1	2.05E-25	0.40226	0.521	0.191	6.88E-21	7	0.192566
PNRC1	1.04E-20	0.477639	0.908	0.679	3.48E-16	7	0.680182
POLR1D	2.74E-28	0.508681	0.958	0.873	9.21E-24	7	0.873885
POLR2L	6.04E-12	0.329135	0.965	0.918	2.02E-07	7	0.918446
POU3F1	3.35E-78	0.273954	0.38	0.045	1.12E-73	7	0.046836



PPCS	2.08E-14	0.258121	0.662	0.392	6.99E-10	7	0.393554
PPDPF	8.71E-38	0.516099	0.993	0.958	2.92E-33	7	0.958601
PPFIBP1	3.38E-24	0.444806	0.563	0.243	1.13E-19	7	0.244128
PPL	6.4E-188	0.303335	0.38	0.02	2.1E-183	7	0.021996
PPP1R14A	3.38E-48	0.402742	0.401	0.076	1.13E-43	7	0.078
PPP1R17	9.38E-14	0.605999	0.162	0.042	3.15E-09	7	0.042287
PPP1R3B	0	0.370388	0.373	0.011	0	7	0.01297
PRKX	2.35E-16	0.394368	0.683	0.398	7.88E-12	7	0.398955
PRPH	1.18E-93	0.599032	0.141	0.006	3.95E-89	7	0.006219
PRRG4	0	0.427277	0.43	0.001	0	7	0.003092
PRSS23	4.14E-51	1.07194	0.549	0.147	1.39E-46	7	0.148893
PRSS8	0	0.35607	0.394	0.003	0	7	0.004762
PTPMT1	1.77E-33	0.381363	0.613	0.222	5.92E-29	7	0.223517
PTPN14	5.8E-156	0.43123	0.43	0.032	1.9E-151	7	0.033688
PTPRF	3.72E-28	0.448202	0.782	0.438	1.25E-23	7	0.44007
QPRT	4.99E-76	0.789927	0.655	0.15	1.67E-71	7	0.15298
RAB11A	3.31E-09	0.253117	0.923	0.765	0.000111	7	0.765716
RAB13	6.48E-13	0.368484	0.796	0.599	2.17E-08	7	0.600085
RAB25	0	1.007195	0.859	0.002	0	7	0.006396
RAB32	1.12E-50	0.434543	0.423	0.083	3.74E-46	7	0.084965
RAB34	1.2E-22	0.471366	0.62	0.319	4.03E-18	7	0.320635
RAB38	8.61E-44	0.277686	0.415	0.086	2.89E-39	7	0.087808
RALBP1	3.18E-38	0.617686	0.887	0.542	1.07E-33	7	0.543904
RBMS1	6.6E-161	0.546387	0.655	0.07	2.2E-156	7	0.073132
RBP1	2.11E-08	0.657265	0.373	0.202	0.000709	7	0.202658
REEP5	3.08E-14	0.278604	0.782	0.487	1.03E-09	7	0.488575
RETREG1	1.39E-40	0.498132	0.641	0.219	4.66E-36	7	0.22135
REXO2	5.09E-11	0.271425	0.585	0.374	1.71E-06	7	0.37536
RGMB	5.7E-25	0.31813	0.479	0.158	1.91E-20	7	0.159696
RHOC	5.35E-25	0.486444	0.768	0.433	1.79E-20	7	0.434953
RHOD	7.8E-159	0.326772	0.394	0.026	2.6E-154	7	0.027682
RHOV	2.19E-31	0.309387	0.211	0.034	7.36E-27	7	0.034967
RNF19A	6.71E-18	0.253731	0.535	0.23	2.25E-13	7	0.231335
RNF43	1.91E-83	0.257321	0.359	0.039	6.39E-79	7	0.040404
RNPEP	9.67E-13	0.251622	0.634	0.356	3.24E-08	7	0.357414
ROGDI	2.31E-14	0.290839	0.676	0.375	7.76E-10	7	0.376604
RPL12	2.44E-11	0.261817	1	0.996	8.17E-07	7	0.99634
RPL26	3.16E-15	0.277675	1	0.998	1.06E-10	7	0.997584
RPL36AL	6.3E-22	0.345813	1	0.964	2.11E-17	7	0.963932
RPLP1	5.09E-12	0.26139	1	0.999	1.71E-07	7	0.998969
RPRM	1.05E-10	0.843792	0.289	0.132	3.53E-06	7	0.132618
RPS12	1.56E-12	0.256824	1	0.998	5.23E-08	7	0.998436
RPS18	4.55E-13	0.281298	1	0.999	1.53E-08	7	0.999041
RRAS	2.47E-88	0.586964	0.662	0.13	8.27E-84	7	0.132405
RRBP1	3.76E-27	0.33864	0.585	0.228	1.26E-22	7	0.229772
RTP1	2.38E-06	0.259495	0.148	0.059	0.079835	7	0.059415
RYK	9E-10	0.257216	0.669	0.47	3.02E-05	7	0.471412
S100A10	0	2.174819	0.817	0.054	0	7	0.058171



S100A11	0	3.099307	0.81	0.031	0	7	0.03518
S100A13	7.21E-22	0.340791	0.493	0.196	2.42E-17	7	0.197292
S100A14	0	1.273279	0.592	0	0	7	0.003411
S100A16	0	1.184279	0.69	0.037	0	7	0.040084
S100A6	6.87E-23	0.992532	0.324	0.092	2.31E-18	7	0.092783
SAT1	2.25E-09	0.726629	0.62	0.436	7.56E-05	7	0.436907
SDC1	3.71E-34	0.321293	0.43	0.113	1.24E-29	7	0.114353
SELENOP	6.57E-14	0.25235	0.338	0.128	2.2E-09	7	0.128745
SELENOW	1.08E-10	0.272836	0.979	0.878	3.63E-06	7	0.878149
SEMA3A	1.04E-64	0.504116	0.577	0.124	3.49E-60	7	0.125795
SEMA3D	0	1.070291	0.627	0.015	0	7	0.018159
SEMA3F	2.3E-114	0.266023	0.345	0.027	7.7E-110	7	0.028322
SEMA6A	5.91E-09	0.321397	0.634	0.433	0.000198	7	0.433709
SERF2	2.42E-16	0.250856	1	0.987	8.11E-12	7	0.986923
SERINC2	4.74E-06	0.291688	0.754	0.566	0.159003	7	0.56686
SERPINF1	7.3E-166	0.556599	0.556	0.049	2.4E-161	7	0.051349
SERPINH1	2.79E-27	0.395819	0.535	0.202	9.36E-23	7	0.203191
SFN	0	1.528541	0.641	0.003	0	7	0.006183
SH3BP5	2.91E-22	0.347468	0.655	0.271	9.77E-18	7	0.272947
SH3PXD2A	3.46E-31	0.287851	0.472	0.139	1.16E-26	7	0.14104
SH3YL1	1.19E-14	0.318532	0.514	0.264	3.98E-10	7	0.265058
SIX1	0	0.501844	0.204	0.003	0	7	0.003731
SKAP2	0	0.587519	0.556	0.019	0	7	0.021961
SLC1A3	3.09E-18	0.394411	0.528	0.253	1.04E-13	7	0.254078
SLC38A10	1.61E-21	0.268816	0.451	0.159	5.39E-17	7	0.160122
SLC40A1	1.53E-55	0.254745	0.232	0.025	5.12E-51	7	0.025657
SMAGP	1.9E-186	0.294098	0.366	0.019	6.5E-182	7	0.020682
SMARCD2	1.99E-49	0.300308	0.479	0.103	6.66E-45	7	0.104936
SNCA	3.73E-08	0.338524	0.563	0.342	0.00125	7	0.34288
SNCG	8.46E-62	0.461438	0.458	0.08	2.84E-57	7	0.0823
SNHG18	1.41E-81	0.253375	0.345	0.037	4.74E-77	7	0.038058
SNHG7	6.84E-11	0.299343	0.901	0.734	2.29E-06	7	0.734729
SNHG8	2.84E-23	0.537939	0.866	0.607	9.52E-19	7	0.608187
SOCS1	6.1E-128	0.361928	0.359	0.026	2E-123	7	0.028073
SPARC	2.45E-21	0.706062	0.725	0.499	8.21E-17	7	0.500586
SPATS2L	4.97E-23	0.396042	0.648	0.321	1.67E-18	7	0.32227
SPINT1	0	0.833549	0.761	0.004	0	7	0.00732
SPINT2	6.59E-96	1.288593	0.972	0.391	2.21E-91	7	0.394229
SPOCK1	5.78E-21	0.32154	0.5	0.198	1.94E-16	7	0.19946
SPOCK2	1.46E-37	0.327514	0.232	0.035	4.88E-33	7	0.036139
STAP2	7.3E-220	0.383913	0.437	0.023	2.5E-215	7	0.025123
STARD10	4.19E-34	0.499786	0.739	0.332	1.4E-29	7	0.33389
SULT1E1	0	1.08858	0.606	0.002	0	7	0.005508
SVIL	4.3E-30	0.897567	0.718	0.454	1.44E-25	7	0.455812
SYNPO2	0	0.317042	0.373	0.002	0	7	0.003873
SYTL1	0	0.310425	0.352	0.009	0	7	0.010234
TAGLN	2.6E-150	1.746492	0.5	0.045	8.8E-146	7	0.047155
TAGLN2	1.23E-10	0.40359	0.5	0.276	4.13E-06	7	0.276749

TCEAL9	2.35E-11	0.394265	0.88	0.76	7.88E-07	7	0.760741
TDRP	9.83E-60	0.367982	0.5	0.099	3.3E-55	7	0.101276
TES	2.6E-307	0.359172	0.444	0.017	8.8E-303	7	0.018834
TFAP2A	0	0.700112	0.585	0.004	0	7	0.006467
TFAP2B	0	1.231015	0.669	0.001	0	7	0.004051
TGIF1	3.65E-08	0.27315	0.676	0.468	0.001225	7	0.46928
TINCR	0	0.479958	0.451	0.007	0	7	0.00899
TLE2	3.37E-75	0.387888	0.549	0.095	1.13E-70	7	0.097225
TM7SF2	1.06E-07	0.255255	0.852	0.72	0.00354	7	0.72023
TMED10	1.18E-18	0.34992	0.887	0.619	3.96E-14	7	0.620625
TMEFF2	1.63E-58	1.13173	0.655	0.187	5.48E-54	7	0.18887
TMEM141	9.3E-23	0.366541	0.768	0.422	3.12E-18	7	0.42351
TMEM256	2.2E-10	0.266609	0.845	0.638	7.38E-06	7	0.638641
TMEM40	0	0.448631	0.338	0	0	7	0.001848
TMEM54	3E-228	0.549501	0.507	0.03	1E-223	7	0.032728
TMEM59	1.7E-11	0.29835	0.923	0.823	5.71E-07	7	0.823318
TMSB10	1.08E-08	0.271811	1	0.998	0.000361	7	0.998472
TNFRSF12A	2.03E-66	0.582383	0.472	0.082	6.82E-62	7	0.084325
TNFRSF19	1.04E-82	0.783378	0.634	0.134	3.47E-78	7	0.136776
TNNT1	1.4E-108	0.669769	0.57	0.079	4.7E-104	7	0.081021
TP53I3	5.15E-21	0.285941	0.5	0.194	1.73E-16	7	0.1958
TP53TG1	1.39E-28	0.463565	0.62	0.27	4.66E-24	7	0.271419
TP63	0	0.383164	0.394	0	0	7	0.002239
TPD52	8.9E-23	0.303469	0.451	0.162	2.99E-18	7	0.16332
TPM1	2.84E-44	0.934113	0.993	0.777	9.52E-40	7	0.778046
TPM2	8.64E-59	0.555414	0.373	0.056	2.9E-54	7	0.057994
TPM4	1.83E-05	0.282937	0.81	0.725	0.612545	7	0.725241
TPT1	4.68E-28	0.426568	1	0.998	1.57E-23	7	0.997903
TRAPPC3	2.11E-12	0.304082	0.852	0.606	7.09E-08	7	0.607441
TRIM29	0	0.272045	0.352	0	0	7	0.002061
TSTD1	3.1E-302	1.217619	0.937	0.087	1E-297	7	0.091255
TUBA1C	1.51E-65	0.612393	0.599	0.125	5.08E-61	7	0.127465
TUBA4A	1.8E-174	0.37395	0.239	0.008	6.1E-170	7	0.00963
TXNDC17	9.25E-12	0.263942	0.951	0.808	3.1E-07	7	0.808536
UBE2E3	7.62E-19	0.436131	0.958	0.886	2.55E-14	7	0.886394
UNCX	2.99E-40	0.840829	0.268	0.043	1E-35	7	0.04449
VAMP8	0	0.793427	0.676	0.009	0	7	0.012722
VASP	5.06E-35	0.368472	0.599	0.201	1.7E-30	7	0.203049
VCL	3.82E-21	0.36487	0.556	0.246	1.28E-16	7	0.247681
VGLL4	1.37E-14	0.361811	0.817	0.622	4.59E-10	7	0.623077
WASF2	9.19E-35	0.588739	0.817	0.48	3.08E-30	7	0.481326
WDR1	1.91E-10	0.256552	0.655	0.42	6.42E-06	7	0.421129
WFDC2	2E-150	0.580401	0.401	0.029	6.8E-146	7	0.030418
WLS	1.94E-25	0.26761	0.62	0.248	6.5E-21	7	0.249991
WNT10A	0	0.584525	0.472	0.003	0	7	0.005757
WNT3	1.8E-159	0.42404	0.444	0.033	5.9E-155	7	0.034931
WNT4	9.2E-249	0.436112	0.437	0.02	3.1E-244	7	0.022139
WNT6	0	1.699532	0.676	0.001	0	7	0.004762

YBX3	1.26E-16	0.492074	0.796	0.582	4.23E-12	7	0.58317
ZFAS1	3.02E-12	0.279241	1	0.978	1.01E-07	7	0.978537
ZFH3	5.15E-18	0.257478	0.599	0.284	1.73E-13	7	0.285882
ZFP36L2	4.87E-07	0.330685	0.627	0.5	0.016328	7	0.500657
ZNF385A	1.87E-36	0.398055	0.592	0.2	6.28E-32	7	0.201805
ZNF703	2.87E-46	0.459628	0.57	0.158	9.64E-42	7	0.159945
ZNRF3	2.38E-15	0.382288	0.521	0.274	7.99E-11	7	0.275221
SEPT6	3.91E-28	0.840057	0.926	0.351	1.31E-23	8	0.352475
SEPT11	2.28E-31	1.008867	1	0.893	7.65E-27	8	0.893358
A1BG	8.53E-22	0.625484	0.944	0.498	2.86E-17	8	0.499129
A2M	0	0.419084	0.556	0.006	0	8	0.007356
AAMDC	1.26E-09	0.279022	0.889	0.485	4.24E-05	8	0.485626
ABCA9	0	0.259793	0.389	0	0	8	0.000995
AC092958.	5.9E-266	0.283681	0.5	0.01	2E-261	8	0.010767
AC100810.	3.54E-12	0.302038	0.741	0.298	1.19E-07	8	0.299314
ACADVL	5.36E-09	0.313363	0.833	0.462	0.00018	8	0.463061
ACBD3	1.85E-11	0.335684	0.907	0.502	6.2E-07	8	0.502718
ACTA2	6.8E-190	1.691466	0.741	0.032	2.3E-185	8	0.033474
ACTG2	0	1.257794	0.796	0.003	0	8	0.004904
ACTN1	3.62E-16	0.511064	0.815	0.36	1.21E-11	8	0.360613
ACTR2	1.93E-08	0.319547	0.944	0.639	0.000647	8	0.639743
ADA	1.5E-12	0.255517	0.63	0.222	5.01E-08	8	0.222522
ADAM12	1.7E-178	0.575522	0.63	0.024	5.6E-174	8	0.025195
ADD3	8.28E-41	1.081608	0.944	0.302	2.78E-36	8	0.303507
ADGRA2	0	0.445889	0.667	0.004	0	8	0.00533
AEBP1	2.06E-58	0.499163	0.759	0.102	6.9E-54	8	0.103728
AFAP1L2	0	0.406344	0.667	0.009	0	8	0.010732
AHNAK	9.11E-42	0.895927	0.889	0.234	3.05E-37	8	0.234782
AKAP12	2.95E-29	1.581846	0.981	0.602	9.9E-25	8	0.602857
AL031058.	0	0.964675	0.741	0.005	0	8	0.006361
AL355338.	1.62E-14	0.269818	0.685	0.221	5.42E-10	8	0.222025
AL359555.	0	0.29624	0.463	0	0	8	0.000924
ALCAM	2.7E-137	0.551805	0.685	0.037	9.2E-133	8	0.037774
ALDH1L2	1.1E-154	0.511496	0.741	0.038	3.7E-150	8	0.039693
AMOTL1	7.16E-56	0.984859	0.981	0.224	2.4E-51	8	0.225827
ANKRD11	6.23E-11	0.429096	0.963	0.879	2.09E-06	8	0.879038
ANTXR2	4.15E-58	0.657638	0.778	0.116	1.39E-53	8	0.11716
ANXA1	6E-305	1.944691	0.963	0.035	2E-300	8	0.036353
ANXA2	1.37E-76	2.184079	1	0.181	4.61E-72	8	0.1829
ANXA5	2.45E-30	1.084379	1	0.727	8.22E-26	8	0.727764
ANXA6	1.05E-24	0.628738	0.944	0.39	3.51E-20	8	0.390889
AP2S1	3.77E-27	0.742743	1	0.934	1.26E-22	8	0.934082
AP3S1	3.06E-11	0.346272	0.926	0.617	1.03E-06	8	0.617711
APCDD1	2.83E-38	0.914078	0.833	0.192	9.49E-34	8	0.192921
APOE	8.2E-195	2.718425	0.963	0.055	2.7E-190	8	0.056892
ARCN1	5.97E-15	0.401057	0.815	0.351	2E-10	8	0.351729
ARF1	1.84E-08	0.33952	0.944	0.878	0.000618	8	0.87854
ARF4	7.71E-25	0.756345	0.981	0.761	2.59E-20	8	0.761736

ARHGAP29	0	1.63293	0.944	0.027	0	8	0.028855
ARHGAP31	3.4E-229	0.276526	0.463	0.01	1.1E-224	8	0.010696
ARHGDIA	2.83E-06	0.279121	0.889	0.686	0.095013	8	0.686685
ARHGEF40	2.02E-24	0.453857	0.852	0.279	6.76E-20	8	0.280196
ARID3A	1.57E-13	0.262172	0.648	0.217	5.27E-09	8	0.218223
ARL1	2.34E-13	0.382588	0.87	0.452	7.84E-09	8	0.453253
ARL4A	8.47E-58	1.365522	0.963	0.218	2.84E-53	8	0.219466
ARL6IP4	4.85E-11	0.358512	1	0.864	1.63E-06	8	0.864539
ARMCX2	3.59E-16	0.34141	0.722	0.245	1.2E-11	8	0.246189
ARMCX3	3.69E-10	0.305586	0.907	0.568	1.24E-05	8	0.568672
ARPC1B	1.92E-39	0.425611	0.722	0.126	6.44E-35	8	0.127536
ARPC2	1.44E-26	0.730127	1	0.951	4.82E-22	8	0.951246
ARSG	3.36E-39	0.304617	0.481	0.058	1.13E-34	8	0.058704
ASNS	3.24E-20	0.565834	0.796	0.301	1.09E-15	8	0.301979
ASPN	0	0.633736	0.685	0.001	0	8	0.001919
ASS1	4E-246	0.667984	0.63	0.017	1.3E-241	8	0.018514
ATF4	8.66E-18	0.547218	0.963	0.633	2.91E-13	8	0.633382
ATF5	2.12E-10	0.627585	0.574	0.244	7.12E-06	8	0.244696
ATOX1	1.47E-06	0.292561	0.981	0.858	0.049247	8	0.858569
ATP1A2	3.7E-141	1.468427	0.907	0.068	1.2E-136	8	0.070076
ATP6AP2	2.4E-08	0.338107	0.907	0.681	0.000806	8	0.681426
ATP6V0E1	1.39E-11	0.41225	0.981	0.753	4.67E-07	8	0.753314
B2M	4.76E-27	0.935403	1	0.57	1.6E-22	8	0.570555
BCAP29	4.57E-09	0.30526	0.796	0.427	0.000153	8	0.428094
BCAT1	1.16E-97	0.544024	0.815	0.072	3.88E-93	8	0.073771
BCL7C	8.31E-21	0.647806	0.981	0.674	2.79E-16	8	0.674141
BGN	0	2.197426	1	0.001	0	8	0.003376
BICC1	2.22E-43	0.263486	0.574	0.073	7.44E-39	8	0.074233
BIN1	7.2E-18	0.356639	0.759	0.24	2.42E-13	8	0.240681
C11orf96	3.36E-90	1.121711	0.926	0.107	1.13E-85	8	0.10817
C14orf119	4.84E-12	0.349593	0.889	0.488	1.62E-07	8	0.488611
C19orf70	8.39E-12	0.405675	0.944	0.632	2.81E-07	8	0.6326
C1orf122	3.06E-21	0.671261	1	0.781	1.03E-16	8	0.781813
C1orf54	4.24E-32	0.34962	0.63	0.116	1.42E-27	8	0.117089
C4orf3	8.54E-08	0.292956	0.981	0.772	0.002865	8	0.772503
C7	0	0.32476	0.352	0	0	8	0.001102
CALD1	4.48E-36	1.758708	1	0.794	1.5E-31	8	0.794712
CALM1	1.4E-08	0.312087	1	0.99	0.00047	8	0.99037
CALR	1.44E-26	1.072946	0.981	0.894	4.82E-22	8	0.894496
CALU	2.1E-35	1.219498	1	0.723	7.03E-31	8	0.723855
CAP1	1.21E-11	0.474438	0.981	0.714	4.05E-07	8	0.71426
CAPN2	5.57E-12	0.324772	0.833	0.388	1.87E-07	8	0.388508
CAPNS1	8.55E-08	0.283984	0.963	0.627	0.002867	8	0.628052
CAPZB	4.42E-10	0.351373	1	0.824	1.48E-05	8	0.824313
CARMN	0	0.400002	0.556	0	0	8	0.001421
CAST	1.8E-17	0.309218	0.611	0.172	6.04E-13	8	0.173164
CAVIN1	6.55E-81	0.40315	0.519	0.035	2.2E-76	8	0.036175
CAVIN3	0	0.720398	0.778	0.006	0	8	0.007747

CCDC80	1.2E-191	1.055354	0.815	0.038	3.9E-187	8	0.0398
CCL2	2.58E-70	0.544025	0.463	0.033	8.64E-66	8	0.03351
CCPG1	4.45E-40	0.909781	0.907	0.268	1.49E-35	8	0.268754
CD151	1.11E-06	0.263099	0.815	0.549	0.037186	8	0.549447
CD164	8.27E-27	0.645098	0.87	0.336	2.77E-22	8	0.337088
CD248	0	0.928534	0.815	0.015	0	8	0.016204
CD276	2.94E-10	0.282019	0.722	0.307	9.85E-06	8	0.308091
CD63	2.88E-33	1.19325	1	0.954	9.65E-29	8	0.953875
CD81	4.13E-16	0.532969	1	0.956	1.39E-11	8	0.956469
CD99	1.59E-28	1.067264	0.981	0.718	5.35E-24	8	0.718382
CDC42EP1	3.5E-211	0.582884	0.704	0.026	1.2E-206	8	0.027078
CDC42EP5	5.9E-138	1.645148	0.981	0.088	2E-133	8	0.089975
CDH11	1.7E-194	1.568829	0.981	0.059	5.7E-190	8	0.061014
CDH6	4.3E-115	0.638224	0.667	0.042	1.5E-110	8	0.042749
CDKN1C	4.76E-16	0.263536	0.778	0.243	1.6E-11	8	0.244448
CEBPB	1.53E-84	0.571045	0.722	0.066	5.14E-80	8	0.067304
CEBPD	3.5E-234	0.430167	0.574	0.015	1.2E-229	8	0.016062
CERCAM	3.46E-31	0.293583	0.593	0.104	1.16E-26	8	0.105007
CFH	0	0.421021	0.648	0	0	8	0.001599
CFLAR	3.06E-63	0.364198	0.667	0.069	1.03E-58	8	0.070502
CIB1	5.63E-22	0.434244	0.889	0.317	1.89E-17	8	0.318148
CKAP4	4.05E-24	0.705721	0.907	0.459	1.36E-19	8	0.459721
CLDN11	0	0.603093	0.593	0.001	0	8	0.002594
CLEC11A	7.12E-08	0.373961	0.704	0.389	0.002388	8	0.389858
CLIC1	6.86E-27	0.978093	0.963	0.742	2.3E-22	8	0.742085
CLIC4	4.94E-13	0.373764	0.778	0.374	1.66E-08	8	0.375253
CMKLR1	0	0.302879	0.444	0	0	8	0.000888
CMTM6	5.43E-08	0.29302	0.741	0.418	0.001821	8	0.41818
COBLL1	2.01E-87	0.391278	0.593	0.042	6.74E-83	8	0.043282
COL12A1	0	1.340964	0.963	0.008	0	8	0.010021
COL13A1	0	0.445565	0.648	0.003	0	8	0.004513
COL16A1	1.5E-187	0.472285	0.778	0.034	5.1E-183	8	0.035749
COL18A1	8.96E-40	1.086304	0.926	0.279	3E-35	8	0.279983
COL1A1	0	4.226422	1	0.022	0	8	0.023631
COL1A2	0	3.82887	1	0.033	0	8	0.035251
COL21A1	0	0.467954	0.537	0.004	0	8	0.00533
COL26A1	3.86E-41	0.506726	0.63	0.096	1.3E-36	8	0.096905
COL3A1	0	3.96718	1	0.015	0	8	0.016844
COL4A1	2.38E-83	2.075248	0.963	0.152	7.98E-79	8	0.154046
COL4A2	8.37E-44	1.676822	1	0.427	2.81E-39	8	0.428059
COL5A1	1.9E-112	1.016925	0.963	0.1	6.2E-108	8	0.102057
COL5A2	0	1.523749	1	0.033	0	8	0.034576
COL5A3	3.6E-290	0.340777	0.463	0.008	1.2E-285	8	0.008528
COL6A1	1.96E-42	1.350971	0.981	0.392	6.56E-38	8	0.392666
COL6A2	1.2E-113	2.060132	1	0.117	4E-109	8	0.118226
COL6A3	0	2.348437	1	0.001	0	8	0.003021
COLEC12	1E-204	0.726163	0.815	0.035	3.4E-200	8	0.036282
COMMD1	1.52E-07	0.253618	0.852	0.494	0.005106	8	0.494332



COPA	3.27E-09	0.322298	0.833	0.475	0.00011	8	0.475889
COPB2	1.06E-16	0.54728	0.963	0.608	3.55E-12	8	0.608329
COPZ2	0	0.815911	0.852	0.008	0	8	0.00963
COTL1	1.18E-09	0.394137	0.87	0.528	3.96E-05	8	0.528482
CPE	2.68E-07	0.262114	1	0.882	0.008973	8	0.882165
CPED1	0	0.295351	0.444	0	0	8	0.001066
CREB3L1	0	0.734125	0.87	0.009	0	8	0.010661
CREB3L2	1.35E-27	0.296037	0.481	0.079	4.52E-23	8	0.079493
CRELD2	3.8E-12	0.335197	0.833	0.381	1.28E-07	8	0.381472
CREM	1.95E-08	0.290783	0.722	0.358	0.000654	8	0.3588
CRNDE	1.25E-21	0.38231	0.852	0.271	4.2E-17	8	0.272378
CRTAP	3.06E-15	0.396289	0.778	0.313	1.03E-10	8	0.314275
CSRP1	6.44E-33	0.427986	0.481	0.07	2.16E-28	8	0.071177
CSRP2	2.85E-10	0.457463	1	0.816	9.55E-06	8	0.816211
CST3	2.19E-08	0.391652	0.944	0.805	0.000735	8	0.805622
CTGF	1.36E-05	1.006101	0.204	0.065	0.455467	8	0.065172
CTHRC1	0	1.681292	0.907	0.008	0	8	0.009239
CTSB	5.87E-21	0.477414	0.852	0.312	1.97E-16	8	0.312818
CTSC	1.12E-20	0.952439	0.889	0.449	3.75E-16	8	0.449842
CTSK	0	0.581217	0.556	0.007	0	8	0.008422
CTSL	1.56E-21	0.396605	0.815	0.253	5.22E-17	8	0.253936
CXCL12	4.9E-137	0.633358	0.574	0.026	1.7E-132	8	0.027042
CXXC5	7.36E-14	0.569142	0.926	0.633	2.47E-09	8	0.633275
CYB5R3	4.83E-07	0.30926	0.889	0.635	0.016187	8	0.635727
CYBRD1	6.47E-53	0.256764	0.537	0.054	2.17E-48	8	0.055044
CYP1B1	0	1.554829	0.852	0.019	0	8	0.02093
CYTOR	0	0.808266	0.778	0.02	0	8	0.021712
DAB2	3.1E-216	0.620441	0.685	0.023	1E-211	8	0.024768
DAD1	1.05E-16	0.447769	1	0.923	3.5E-12	8	0.922853
DBNL	1.15E-05	0.291807	0.778	0.471	0.38655	8	0.471909
DCN	0	3.300503	1	0.016	0	8	0.017874
DCTD	1.94E-18	0.287375	0.815	0.267	6.52E-14	8	0.268434
DDIT3	3.36E-42	0.360624	0.648	0.094	1.13E-37	8	0.095021
DDOST	2.15E-10	0.409877	0.944	0.704	7.2E-06	8	0.704382
DDR2	8.7E-251	0.697784	0.815	0.029	2.9E-246	8	0.030774
DECR1	5.94E-10	0.311126	0.796	0.415	1.99E-05	8	0.415728
DERL2	8.59E-12	0.305495	0.87	0.407	2.88E-07	8	0.407413
DES12	1.04E-08	0.279308	0.815	0.451	0.000349	8	0.451654
DKK2	0	0.397143	0.5	0.008	0	8	0.008919
DLC1	2.2E-268	0.473709	0.685	0.019	7.4E-264	8	0.019864
DNAJC1	8.06E-13	0.465011	0.87	0.485	2.7E-08	8	0.485661
DNAJC12	3.09E-34	0.269647	0.63	0.1	1.04E-29	8	0.100814
DNAJC15	2.94E-30	0.347675	0.574	0.1	9.87E-26	8	0.100494
DNAJC3	4.51E-24	0.369159	0.759	0.198	1.51E-19	8	0.199389
DSP	1E-295	0.721318	0.759	0.021	3.5E-291	8	0.022423
DYNLT3	9.85E-23	0.302779	0.556	0.118	3.31E-18	8	0.11915
DYRK4	8.59E-11	0.269874	0.704	0.276	2.88E-06	8	0.276465
ECE1	1.68E-39	0.401218	0.556	0.077	5.64E-35	8	0.078284



ECM1	0	1.249472	0.963	0.011	0	8	0.01297
EDIL3	3.22E-41	0.365146	0.611	0.084	1.08E-36	8	0.085391
EDNRA	0	1.120257	0.926	0.002	0	8	0.004015
EEA1	2.42E-11	0.329886	0.778	0.351	8.11E-07	8	0.351942
EEF1A1	1.29E-13	0.252625	1	1	4.34E-09	8	0.999716
EFEMP2	1.66E-50	0.543091	0.759	0.118	5.56E-46	8	0.119434
EGFL7	3.44E-06	0.284815	0.704	0.407	0.115299	8	0.407342
EGFR	2.66E-63	0.261416	0.444	0.032	8.91E-59	8	0.032977
EGR1	2.31E-06	0.348565	0.722	0.439	0.077521	8	0.439075
EHD2	0	0.317825	0.556	0.004	0	8	0.004833
EIF1	1.94E-30	0.728604	1	0.997	6.49E-26	8	0.996944
EIF2S2	6.98E-14	0.466792	0.963	0.86	2.34E-09	8	0.860026
EIF3K	8.12E-08	0.271656	1	0.953	0.002722	8	0.952845
EIF4E2	2.3E-09	0.30905	0.833	0.544	7.72E-05	8	0.544188
EIF4EBP1	1.17E-18	0.696835	1	0.689	3.93E-14	8	0.68999
ELF1	3E-25	0.263093	0.463	0.078	1E-20	8	0.079173
ELK3	0	0.372781	0.63	0.007	0	8	0.008138
ELOVL1	5.19E-26	0.304064	0.611	0.131	1.74E-21	8	0.132014
ELP5	3.76E-06	0.252494	0.889	0.626	0.125978	8	0.626381
EMCN	0	0.307226	0.463	0	0	8	0.001208
EMP1	0	0.289305	0.407	0.004	0	8	0.005082
EMP3	9.4E-39	1.003067	0.981	0.381	3.15E-34	8	0.381685
ENG	0	0.32726	0.5	0.007	0	8	0.008102
ENTPD1	0	0.423164	0.648	0.014	0	8	0.015387
EPB41L2	2.59E-15	0.30384	0.722	0.24	8.69E-11	8	0.240574
EPRS	4.86E-06	0.255086	0.889	0.641	0.162832	8	0.64191
EPS8	2.65E-59	0.680654	0.852	0.138	8.9E-55	8	0.138908
ERCC1	2.57E-07	0.285119	0.944	0.717	0.008631	8	0.717068
ERLEC1	1.26E-10	0.280904	0.87	0.425	4.22E-06	8	0.425642
ERRFI1	1.47E-19	0.287695	0.5	0.111	4.94E-15	8	0.111403
ETS1	0	0.513127	0.722	0.001	0	8	0.002345
EVA1B	9E-158	1.612697	0.981	0.076	3E-153	8	0.077929
F2R	7.49E-12	0.352467	0.889	0.469	2.51E-07	8	0.469742
F3	5.33E-73	0.353939	0.463	0.031	1.79E-68	8	0.031591
FAAP20	2.84E-06	0.266089	0.944	0.814	0.095127	8	0.81447
FABP3	1.2E-235	1.021171	0.778	0.028	3.9E-231	8	0.02985
FABP5	1.2E-26	1.430726	0.981	0.861	4.02E-22	8	0.861661
FAM114A1	2.61E-93	0.965773	0.926	0.113	8.77E-89	8	0.11414
FAM43A	1.35E-45	0.267132	0.481	0.051	4.53E-41	8	0.051384
FAP	0	0.826646	0.833	0.014	0	8	0.0156
FBLIM1	3.1E-19	0.295507	0.556	0.136	1.04E-14	8	0.136776
FBLN1	1.98E-24	0.82123	1	0.779	6.64E-20	8	0.779041
FBLN2	1.4E-230	0.463031	0.63	0.018	4.8E-226	8	0.019651
FBLN5	0	0.558245	0.667	0.011	0	8	0.012118
FBN1	6.4E-163	0.725788	0.833	0.047	2.1E-158	8	0.048932
FBN2	3.8E-42	0.499084	0.741	0.134	1.28E-37	8	0.135496
FCGRT	6.2E-162	0.858605	0.87	0.054	2.1E-157	8	0.055364
FERMT2	7.16E-16	0.505993	0.889	0.452	2.4E-11	8	0.452365

FHL2	1.01E-64	0.566688	0.796	0.103	3.4E-60	8	0.10419
FHL3	8.23E-70	1.098618	0.926	0.159	2.76E-65	8	0.160549
FIBIN	0	0.260736	0.352	0.003	0	8	0.003909
FILIP1L	7.43E-90	0.458311	0.574	0.038	2.49E-85	8	0.039409
FKBP10	1.2E-32	0.95208	0.944	0.402	4.02E-28	8	0.403397
FKBP14	6.04E-28	0.402794	0.685	0.155	2.03E-23	8	0.155858
FKBP1A	3.55E-07	0.311094	0.963	0.897	0.011912	8	0.897267
FKBP2	5.15E-06	0.250392	0.907	0.713	0.172712	8	0.713443
FKBP7	5.01E-46	0.494273	0.778	0.134	1.68E-41	8	0.134963
FLNA	2.93E-23	0.744937	0.963	0.505	9.82E-19	8	0.505526
FLRT2	1.6E-139	1.246909	0.944	0.075	5.3E-135	8	0.077112
FN1	5.2E-167	2.708257	1	0.075	1.7E-162	8	0.076614
FNDC3B	7.94E-45	0.384935	0.667	0.097	2.66E-40	8	0.097971
FOXC1	0	1.316085	0.944	0.007	0	8	0.008315
FOXD1	0	0.677548	0.722	0.004	0	8	0.005615
FOXF2	0	0.310133	0.574	0.001	0	8	0.002097
FOXP1	6.52E-11	0.412562	0.907	0.514	2.19E-06	8	0.514374
FOXS1	0	0.317471	0.389	0	0	8	0.001137
FRZB	0	1.979068	1	0.023	0	8	0.025017
FSTL1	3.2E-48	1.159885	0.944	0.248	1.07E-43	8	0.2496
FTH1	5.27E-28	0.796458	1	0.997	1.77E-23	8	0.997299
FTL	3.47E-27	0.79829	1	0.995	1.16E-22	8	0.994883
FUCA2	3.85E-32	0.320827	0.722	0.14	1.29E-27	8	0.14136
FUOM	3.78E-41	0.493426	0.778	0.144	1.27E-36	8	0.144771
FXYS5	0	0.48985	0.63	0.012	0	8	0.013148
GADD45A	1.61E-12	0.30987	0.759	0.306	5.4E-08	8	0.306706
GADD45B	4.1E-77	0.309537	0.463	0.029	1.38E-72	8	0.03017
GANAB	2.47E-12	0.294676	0.833	0.345	8.27E-08	8	0.345475
GARS	1.66E-15	0.593124	0.944	0.571	5.58E-11	8	0.57187
GDF15	0	0.913978	0.537	0.003	0	8	0.003554
GGT5	0	0.286912	0.5	0.002	0	8	0.002736
GLIPR1	0	0.436462	0.648	0.007	0	8	0.008635
GLIPR2	4.53E-17	0.315745	0.759	0.249	1.52E-12	8	0.249849
GLT8D1	1.85E-10	0.31614	0.87	0.535	6.2E-06	8	0.53598
GLT8D2	2.1E-233	0.439533	0.648	0.019	7E-229	8	0.020433
GMDS	2.67E-28	0.434671	0.741	0.172	8.95E-24	8	0.172666
GNG11	1.03E-91	1.118821	0.944	0.12	3.46E-87	8	0.121602
GNG12	5.64E-19	0.357343	0.778	0.249	1.89E-14	8	0.250027
GNG5	1.48E-17	0.581278	1	0.832	4.96E-13	8	0.83238
GNL1	1.34E-15	0.452745	0.852	0.375	4.49E-11	8	0.375964
GOLGA2	7.73E-11	0.28799	0.759	0.311	2.59E-06	8	0.311752
GOLGA3	9.27E-14	0.251352	0.611	0.188	3.11E-09	8	0.189048
GOLT1B	3.99E-13	0.278372	0.648	0.226	1.34E-08	8	0.226751
GPC6	1.38E-14	0.329238	0.833	0.338	4.62E-10	8	0.339291
GPER1	0	0.275373	0.407	0.004	0	8	0.005224
GPX7	8.78E-22	0.348801	0.741	0.199	2.94E-17	8	0.200064
GPX8	2.66E-60	0.882056	0.926	0.183	8.91E-56	8	0.184073
GSN	3.27E-50	1.353338	0.944	0.262	1.1E-45	8	0.263281

GSTK1	6.13E-23	0.379384	0.759	0.212	2.06E-18	8	0.213319
GSTO1	9.29E-32	0.769748	0.963	0.383	3.12E-27	8	0.383959
GUCY1A1	2.05E-45	1.129483	0.87	0.203	6.88E-41	8	0.204222
GYPE	1.1E-116	1.409094	0.981	0.104	3.7E-112	8	0.105647
GZMA	0	0.672287	0.389	0	0	8	0.000888
H2AFJ	3.28E-19	0.32039	0.648	0.172	1.1E-14	8	0.172737
HAPLN1	0	0.588636	0.685	0.001	0	8	0.002203
HAX1	1.55E-08	0.308526	0.87	0.547	0.000521	8	0.547138
HDCC2	1.42E-06	0.279158	0.963	0.76	0.047537	8	0.760634
HDLBP	3.85E-15	0.515419	0.944	0.669	1.29E-10	8	0.669273
HERPUD1	4.25E-25	0.646438	0.926	0.368	1.43E-20	8	0.368608
HIC1	0	0.759434	0.759	0.007	0	8	0.008422
HLA-E	6.99E-26	0.341296	0.685	0.161	2.34E-21	8	0.162325
HM13	1.19E-11	0.403946	0.889	0.583	3.99E-07	8	0.584023
HMOX2	8.75E-10	0.251411	0.722	0.307	2.93E-05	8	0.307594
HOPX	3.58E-23	0.488603	0.481	0.092	1.2E-18	8	0.093138
HSP90B1	2.45E-24	0.898095	1	0.863	8.22E-20	8	0.863473
HSPA5	7.21E-26	0.91506	1	0.766	2.42E-21	8	0.766639
HSPB1	1.1E-19	0.665515	0.963	0.614	3.71E-15	8	0.614584
HTRA1	3.73E-21	0.456668	0.63	0.158	1.25E-16	8	0.15863
IARS	1.55E-11	0.306185	0.944	0.469	5.21E-07	8	0.4696
IER2	3.5E-07	0.441989	0.87	0.729	0.011753	8	0.729185
IER3	3.85E-74	1.241772	0.87	0.119	1.29E-69	8	0.120785
IER5L	4.54E-21	0.734721	0.907	0.433	1.52E-16	8	0.433496
IFITM1	1.95E-82	0.458789	0.593	0.045	6.55E-78	8	0.045841
IFITM2	8.24E-77	0.320624	0.574	0.044	2.76E-72	8	0.044739
IFITM3	3.12E-45	1.989325	0.981	0.342	1.05E-40	8	0.343556
IFT20	7.24E-08	0.316351	0.759	0.463	0.002427	8	0.463416
IGFBP2	8.68E-20	0.807615	0.981	0.977	2.91E-15	8	0.977115
IGFBP3	0	1.170207	0.556	0.01	0	8	0.011478
IGFBP4	3.52E-28	0.630951	0.796	0.237	1.18E-23	8	0.237731
IGFBP5	3.96E-35	2.539271	0.963	0.414	1.33E-30	8	0.414804
IGFBP6	1.8E-238	0.37591	0.556	0.014	6.1E-234	8	0.014783
IGFBP7	1.7E-156	2.021859	0.889	0.056	5.8E-152	8	0.057176
IKBIP	3.3E-23	0.526294	0.907	0.338	1.11E-18	8	0.338865
ILK	2.68E-23	0.602646	0.963	0.5	8.99E-19	8	0.5008
INAFM1	2.12E-13	0.360735	0.815	0.342	7.11E-09	8	0.343129
INHBA	6E-166	0.293524	0.222	0.003	2E-161	8	0.003447
INKA1	2.8E-182	0.405881	0.611	0.022	9.3E-178	8	0.023169
ISG15	1.26E-24	0.517219	0.63	0.151	4.21E-20	8	0.152269
ISLR	0	1.221206	0.926	0.015	0	8	0.016844
ITGA1	0	0.57556	0.593	0.003	0	8	0.004193
ITGA11	0	0.617847	0.648	0.002	0	8	0.002985
ITGA5	1.3E-260	0.425863	0.63	0.016	4.5E-256	8	0.017412
ITGA8	0	0.9474	0.833	0	0	8	0.001954
ITGAV	6.03E-48	0.441928	0.722	0.109	2.02E-43	8	0.110088
ITGB1	2.97E-33	1.198893	0.981	0.648	9.94E-29	8	0.648911
ITIH2	0	0.924803	0.574	0	0	8	0.00135

ITIH5	0	1.029683	0.741	0.004	0	8	0.005899
ITM2A	4.9E-178	0.740973	0.759	0.036	1.7E-173	8	0.037134
ITM2B	4.96E-16	0.434462	0.981	0.882	1.66E-11	8	0.882271
ITM2C	3.69E-41	1.723243	1	0.5	1.24E-36	8	0.500551
ITPRIPL2	2E-111	0.307579	0.5	0.024	6.8E-107	8	0.024981
JAG1	1.13E-23	0.283215	0.519	0.102	3.8E-19	8	0.102448
JAK1	4.4E-19	0.473048	0.907	0.391	1.48E-14	8	0.392239
JCAD	6.9E-186	0.315542	0.519	0.015	2.3E-181	8	0.016346
JMJD1C	1.66E-11	0.415028	0.926	0.588	5.58E-07	8	0.588359
JOSD2	9.77E-36	0.390514	0.815	0.168	3.28E-31	8	0.169255
JTB	3.52E-07	0.292386	0.981	0.854	0.011793	8	0.854376
JUN	4.68E-07	0.340985	0.944	0.691	0.015712	8	0.69102
JUNB	2.67E-20	0.654046	0.796	0.293	8.95E-16	8	0.294197
KANK2	1.9E-100	0.876931	0.852	0.084	6.2E-96	8	0.085818
KCNG1	1.81E-07	0.320873	0.778	0.454	0.00608	8	0.454142
KCNQ1OT1	2.27E-19	0.991898	0.926	0.467	7.6E-15	8	0.468356
KCTD12	1.39E-57	0.421977	0.574	0.059	4.67E-53	8	0.060339
KDELR1	5.4E-10	0.343897	0.981	0.884	1.81E-05	8	0.884332
KDELR2	3.22E-33	1.087146	1	0.704	1.08E-28	8	0.704488
KDELR3	2.6E-245	0.712676	0.852	0.033	8.8E-241	8	0.034256
KIAA1755	0	0.839198	0.815	0.001	0	8	0.002416
KLF10	4.14E-20	0.265772	0.5	0.108	1.39E-15	8	0.108774
KLF6	1.7E-16	0.557716	0.926	0.463	5.71E-12	8	0.463736
KLHL4	0	0.357782	0.611	0.012	0	8	0.013113
KLHL5	1.32E-18	0.29707	0.611	0.163	4.43E-14	8	0.163996
KRT10	3.34E-21	0.641708	1	0.845	1.12E-16	8	0.845315
KRT18	5.96E-10	0.648638	0.426	0.13	2E-05	8	0.130308
KRT8	2.17E-27	0.448479	0.426	0.059	7.27E-23	8	0.060019
LAMA1	4.73E-46	0.5191	0.759	0.129	1.59E-41	8	0.130415
LAMA2	0	1.205424	0.926	0.006	0	8	0.007427
LAMA4	0	0.950319	0.852	0.014	0	8	0.01592
LAMB1	1.3E-179	1.427726	0.981	0.065	4.3E-175	8	0.067233
LAMB2	3.92E-47	0.380125	0.741	0.113	1.31E-42	8	0.114388
LAMC1	1.32E-81	0.840164	0.87	0.107	4.42E-77	8	0.108951
LAMC3	0	1.548432	0.981	0.001	0	8	0.003092
LAMP1	1.41E-14	0.375203	0.907	0.439	4.73E-10	8	0.439537
LAMP2	1.9E-16	0.283701	0.741	0.238	6.37E-12	8	0.238869
LAMP5	0	0.776557	0.648	0.014	0	8	0.014889
LAPTM4A	6.01E-36	1.328108	1	0.833	2.01E-31	8	0.832948
LAYN	4.1E-113	0.262726	0.333	0.011	1.4E-108	8	0.011158
LDHA	9.24E-08	0.437611	0.963	0.706	0.003098	8	0.706087
LEPROT	1.15E-11	0.281585	0.815	0.357	3.84E-07	8	0.358232
LGALS1	3.7E-217	3.986627	1	0.056	1.2E-212	8	0.057745
LGALS3	0	1.098385	0.87	0.023	0	8	0.024519
LHFPL6	8.06E-66	0.867636	0.981	0.158	2.7E-61	8	0.15998
LIMA1	7.62E-28	0.497382	0.796	0.214	2.55E-23	8	0.215131
LIMD2	1.58E-06	0.302647	0.944	0.688	0.052945	8	0.688959
LIMS1	7.65E-08	0.30254	0.796	0.508	0.002565	8	0.508262

LINC01088	1.47E-62	0.466572	0.611	0.061	4.92E-58	8	0.06176
LITAF	1.85E-41	0.834315	0.815	0.184	6.2E-37	8	0.185601
LMAN1	8.23E-21	0.576826	0.907	0.388	2.76E-16	8	0.388792
LMNA	2.16E-35	0.871884	0.981	0.351	7.24E-31	8	0.352049
LMO2	2.28E-43	0.928074	0.852	0.186	7.64E-39	8	0.187129
LOX	9.6E-297	0.324843	0.5	0.009	3.2E-292	8	0.009701
LOXL2	0	0.823407	0.833	0.017	0	8	0.018834
LPP	4.61E-48	0.545019	0.778	0.133	1.54E-43	8	0.133862
LRP1	1.15E-27	0.691205	0.944	0.365	3.87E-23	8	0.366085
LRP10	1.39E-41	0.4624	0.722	0.125	4.65E-37	8	0.126328
LRRC17	3.8E-72	1.596011	0.981	0.19	1.27E-67	8	0.191571
LRRC59	8.09E-08	0.28162	0.852	0.499	0.002714	8	0.49984
LUM	0	2.91792	1	0.017	0	8	0.018656
LUZP2	0	0.787469	0.704	0.008	0	8	0.009559
LYPD1	5.67E-38	0.632484	0.741	0.145	1.9E-33	8	0.146121
MAGED2	2.71E-24	0.685126	1	0.971	9.07E-20	8	0.971074
MAN1A1	4.36E-96	0.273947	0.444	0.022	1.46E-91	8	0.022494
MAN1B1	4.49E-14	0.250865	0.704	0.24	1.5E-09	8	0.240823
MANF	2.22E-12	0.537065	0.87	0.609	7.45E-08	8	0.609218
MAP3K20	2.2E-13	0.307657	0.722	0.266	7.37E-09	8	0.267297
MAP4	4.51E-08	0.335569	0.87	0.595	0.001511	8	0.595857
MARS	1.74E-13	0.337491	0.796	0.328	5.85E-09	8	0.329057
MARVELD1	2.91E-39	0.407856	0.741	0.135	9.77E-35	8	0.135958
MATN2	2.9E-131	0.280627	0.444	0.016	9.6E-127	8	0.016986
MDFI	1.39E-48	1.238616	0.963	0.29	4.67E-44	8	0.291603
MDK	1.23E-32	1.43004	1	0.762	4.12E-28	8	0.761984
MEF2A	7.96E-14	0.301592	0.704	0.255	2.67E-09	8	0.255464
MEST	1.51E-08	0.396764	0.704	0.283	0.000505	8	0.283359
MFAP2	2.4E-17	0.533376	0.87	0.39	8.05E-13	8	0.391173
MFAP4	6.98E-80	1.404092	0.944	0.136	2.34E-75	8	0.137344
MGAT1	1E-19	0.398912	0.722	0.232	3.35E-15	8	0.23329
MGP	2.2E-238	2.121835	0.519	0.012	7.3E-234	8	0.01297
MICAL2	1.5E-260	0.31995	0.426	0.007	4.9E-256	8	0.008031
MIR4435-2	1.8E-259	0.584873	0.685	0.02	6E-255	8	0.020788
MIR99AHG	8.28E-25	0.51605	0.87	0.271	2.78E-20	8	0.271668
MLEC	5.03E-11	0.415893	0.981	0.654	1.69E-06	8	0.654241
MMP11	2.07E-27	0.372469	0.481	0.08	6.94E-23	8	0.080985
MMP14	0	0.485391	0.759	0.011	0	8	0.012544
MMP16	2.99E-65	0.571136	0.833	0.113	1E-60	8	0.114815
MMP2	4.18E-84	0.381061	0.481	0.029	1.4E-79	8	0.030098
MRC2	8.03E-43	0.668573	0.889	0.216	2.69E-38	8	0.216943
MSN	5.77E-40	0.710273	0.944	0.256	1.94E-35	8	0.257525
MSX1	2.31E-56	0.688991	0.796	0.115	7.76E-52	8	0.116414
MT-CO1	1.84E-11	0.30057	1	0.995	6.16E-07	8	0.994705
MT2A	2.31E-09	0.427429	0.722	0.346	7.76E-05	8	0.347038
MTCH1	1.98E-09	0.360721	0.981	0.901	6.65E-05	8	0.901247
MTHFD2	6.22E-17	0.533914	0.722	0.3	2.09E-12	8	0.300665
MUM1L1	6.6E-254	0.800171	0.704	0.021	2.2E-249	8	0.022529



MXD4	1.65E-08	0.275846	0.889	0.517	0.000554	8	0.517821
MXRA5	2.1E-107	0.303557	0.519	0.026	7.2E-103	8	0.027433
MXRA8	4.4E-154	0.415015	0.537	0.02	1.5E-149	8	0.021179
MYADM	2.28E-40	0.427003	0.741	0.131	7.64E-36	8	0.132298
MYDGF	8.2E-27	0.769574	0.981	0.655	2.75E-22	8	0.655165
MYH9	3.75E-39	0.53613	0.778	0.154	1.26E-34	8	0.155432
MYL12A	9.53E-36	1.353	0.981	0.55	3.2E-31	8	0.551295
MYL12B	2.33E-17	0.531157	1	0.923	7.8E-13	8	0.922675
MYL6	2.2E-17	0.471356	1	0.99	7.39E-13	8	0.989553
MYL9	1E-153	0.668222	0.667	0.031	3.5E-149	8	0.032124
MYO1C	1.6E-34	0.337872	0.63	0.104	5.36E-30	8	0.105433
NAGK	1.22E-08	0.255005	0.759	0.379	0.00041	8	0.379837
NANS	1.81E-09	0.316258	0.796	0.439	6.06E-05	8	0.439323
NBL1	8E-87	0.521792	0.704	0.06	2.68E-82	8	0.061689
NDUFA4L2	3.76E-12	0.310984	0.259	0.049	1.26E-07	8	0.049714
NEAT1	2.49E-37	0.986907	0.889	0.225	8.36E-33	8	0.226182
NECTIN2	3.92E-11	0.329186	0.815	0.38	1.31E-06	8	0.380583
NEFM	1.12E-11	0.30973	0.444	0.126	3.76E-07	8	0.126222
NENF	4.47E-09	0.312038	0.963	0.65	0.00015	8	0.650297
NFIC	8.83E-15	0.351247	0.796	0.315	2.96E-10	8	0.316087
NID1	0	0.500641	0.704	0.017	0	8	0.017839
NID2	0	0.448498	0.685	0.007	0	8	0.008564
NKD1	4.04E-84	0.630324	0.685	0.061	1.35E-79	8	0.062116
NKD2	6E-184	0.619229	0.741	0.033	2E-179	8	0.034292
NMRAL1	6.92E-20	0.263465	0.63	0.151	2.32E-15	8	0.151771
NOTCH3	4.49E-15	0.318082	0.87	0.325	1.5E-10	8	0.326143
NPC2	1.58E-05	0.255491	0.852	0.593	0.530803	8	0.593049
NR2F1	9.59E-15	0.515064	0.981	0.759	3.22E-10	8	0.75907
NR2F2	3.55E-35	1.151184	0.981	0.402	1.19E-30	8	0.402686
NR3C1	3.8E-162	0.804817	0.889	0.055	1.3E-157	8	0.056999
NREP	6.62E-08	0.252849	1	0.912	0.002221	8	0.912405
NTAN1	1.25E-23	0.553254	0.833	0.302	4.2E-19	8	0.303081
NTM	1.89E-98	1.447092	0.963	0.11	6.35E-94	8	0.111297
NTRK2	2.25E-73	0.563127	0.685	0.066	7.56E-69	8	0.066735
NUCB1	4.29E-14	0.448246	0.87	0.447	1.44E-09	8	0.447532
NUCB2	3.8E-05	0.277543	0.815	0.663	1	8	0.663551
NUPR1	0	1.855272	0.944	0.004	0	8	0.00629
OAF	7.06E-37	0.617136	0.926	0.249	2.37E-32	8	0.249849
OGN	0	0.544913	0.519	0.001	0	8	0.001812
OLFM2	5.88E-16	0.509732	0.889	0.386	1.97E-11	8	0.387335
OLFML1	0	0.250357	0.481	0.001	0	8	0.001457
OLFML3	0	1.319797	0.907	0.007	0	8	0.009062
OS9	3.24E-11	0.311638	0.889	0.483	1.09E-06	8	0.484027
OSR1	0	0.355966	0.407	0.001	0	8	0.001457
OST4	1.29E-25	0.656129	1	0.958	4.34E-21	8	0.958175
OSTC	8.04E-29	0.920843	1	0.829	2.7E-24	8	0.829253
P3H1	4.8E-71	0.631237	0.889	0.12	1.61E-66	8	0.121886
P3H4	1.06E-11	0.337177	0.815	0.368	3.56E-07	8	0.36875



P4HA1	3.82E-26	0.575194	0.796	0.236	1.28E-21	8	0.237198
P4HA2	1.7E-150	0.614663	0.778	0.044	5.6E-146	8	0.045627
P4HB	1.73E-33	1.285412	0.981	0.778	5.82E-29	8	0.778011
PALLD	5.97E-06	0.305775	0.926	0.575	0.200166	8	0.575601
PALMD	3.88E-26	0.321382	0.407	0.061	1.3E-21	8	0.061903
PARVA	2.78E-21	0.333327	0.5	0.106	9.34E-17	8	0.107032
PCBD1	7.74E-17	0.493011	0.907	0.414	2.6E-12	8	0.414875
PCDH18	1.63E-66	0.578446	0.796	0.098	5.45E-62	8	0.099641
PCDH7	5.94E-47	0.316768	0.63	0.079	1.99E-42	8	0.080523
PCOLCE	1.6E-229	1.22045	0.926	0.043	5.5E-225	8	0.045059
PCSK9	1.14E-57	0.430976	0.574	0.059	3.84E-53	8	0.060375
PDGFRA	0	0.405016	0.63	0.009	0	8	0.010128
PDGFRB	4.3E-215	1.470198	0.944	0.049	1.4E-210	8	0.050283
PDIA3	2.22E-26	0.806084	1	0.759	7.45E-22	8	0.759959
PDIA4	5.12E-25	0.563785	0.981	0.407	1.72E-20	8	0.408266
PDIA6	4.78E-24	0.727846	1	0.918	1.6E-19	8	0.918589
PDLIM2	1.1E-28	0.688858	0.944	0.355	3.69E-24	8	0.356455
PDLIM4	1.19E-41	0.760047	0.907	0.237	4E-37	8	0.238264
PDLIM7	9.98E-28	0.845407	1	0.699	3.35E-23	8	0.699584
PDXK	5.03E-15	0.491247	0.926	0.495	1.69E-10	8	0.495718
PELO	4.34E-21	0.396766	0.741	0.22	1.46E-16	8	0.220817
PENK	3.09E-32	1.869578	0.611	0.127	1.04E-27	8	0.128283
PFN1	2.35E-23	0.61649	1	0.954	7.89E-19	8	0.953662
PGF	2.3E-221	0.968787	0.685	0.023	7.8E-217	8	0.024555
PGLS	3.38E-08	0.318728	0.981	0.869	0.001132	8	0.869585
PHLDA2	0	0.712832	0.574	0.007	0	8	0.00796
PHLDB1	7.27E-16	0.297839	0.704	0.219	2.44E-11	8	0.220213
PHLDB2	1.98E-83	0.356397	0.593	0.044	6.64E-79	8	0.044597
PID1	4.4E-107	0.285164	0.407	0.017	1.5E-102	8	0.01727
PIGT	4.39E-10	0.287573	0.704	0.33	1.47E-05	8	0.330692
PKDCC	4.25E-50	0.737229	0.833	0.16	1.43E-45	8	0.161188
PLAC9	0	1.552819	0.981	0.026	0	8	0.02754
PLAT	1.37E-90	1.123232	0.852	0.093	4.6E-86	8	0.094169
PLD3	3.94E-19	0.600774	1	0.729	1.32E-14	8	0.729967
PLIN3	4.63E-16	0.501897	0.907	0.445	1.55E-11	8	0.44604
PLOD1	6.8E-122	0.573848	0.833	0.062	2.3E-117	8	0.063964
PLOD3	1.87E-31	0.334758	0.704	0.142	6.27E-27	8	0.142888
PLS3	2.37E-22	0.532118	0.87	0.344	7.96E-18	8	0.345084
PLTP	1.25E-33	1.31682	0.926	0.397	4.2E-29	8	0.397925
PLXDC1	5.1E-250	0.446135	0.537	0.012	1.7E-245	8	0.013255
PLXDC2	5.58E-37	0.307525	0.667	0.109	1.87E-32	8	0.110337
PMEPA1	4.49E-39	1.120915	1	0.42	1.51E-34	8	0.421023
PMP22	1.52E-92	0.906565	0.889	0.099	5.1E-88	8	0.100743
POSTN	0	2.046286	0.926	0.002	0	8	0.003376
PPDPF	1.22E-21	0.559331	1	0.959	4.1E-17	8	0.958601
PPFIBP1	2.25E-22	0.453965	0.796	0.243	7.54E-18	8	0.244128
PIIB	9.67E-36	1.328723	1	0.878	3.24E-31	8	0.87854
PPIC	9.8E-154	0.908567	0.87	0.057	3.3E-149	8	0.058953

PPP1R12A	8.45E-06	0.282121	0.907	0.697	0.283259	8	0.697594
PPP1R14A	7.07E-33	0.421414	0.519	0.077	2.37E-28	8	0.078
PQLC3	2.82E-85	0.278236	0.556	0.038	9.46E-81	8	0.038591
PRADC1	1.11E-14	0.277934	0.722	0.245	3.73E-10	8	0.245514
PRDX4	1.02E-16	0.587362	1	0.8	3.41E-12	8	0.800291
PRDX5	5.56E-18	0.495255	1	0.972	1.86E-13	8	0.972211
PRICKLE1	7.9E-144	0.886178	0.87	0.06	2.6E-139	8	0.061227
PRRX1	1.1E-186	1.393942	1	0.065	3.7E-182	8	0.0667
PRRX2	0	0.285779	0.407	0.003	0	8	0.004193
PSAP	1.5E-08	0.31298	0.852	0.511	0.000504	8	0.51146
PSAT1	4.97E-06	0.326382	0.926	0.709	0.166552	8	0.70957
PSME2	3.68E-07	0.289542	0.833	0.522	0.012343	8	0.522227
PTGIS	5.75E-65	0.299629	0.611	0.058	1.93E-60	8	0.059131
PTK7	1.97E-31	0.702554	0.889	0.293	6.61E-27	8	0.294233
PTN	1.38E-42	3.506199	1	0.473	4.62E-38	8	0.474041
PTPN13	4.19E-22	0.395294	0.722	0.197	1.4E-17	8	0.198287
PXDC1	1.68E-74	0.425247	0.611	0.053	5.64E-70	8	0.053836
PXDN	3.36E-20	0.463742	0.907	0.379	1.13E-15	8	0.380441
PYCR1	4.9E-14	0.475392	0.907	0.565	1.64E-09	8	0.566149
QPRT	8.72E-67	1.009159	0.907	0.152	2.93E-62	8	0.15298
RAB13	1.02E-23	0.813725	0.963	0.599	3.41E-19	8	0.600085
RAB31	1.82E-81	0.302249	0.5	0.032	6.11E-77	8	0.033083
RAB32	2E-80	0.530721	0.796	0.084	6.69E-76	8	0.084965
RAB34	1.22E-35	0.756439	0.944	0.319	4.08E-31	8	0.320635
RABAC1	9.56E-21	0.600156	1	0.92	3.21E-16	8	0.920365
RAC1	8.66E-09	0.269944	1	0.975	0.00029	8	0.974805
RALA	5.56E-08	0.378436	0.889	0.667	0.001865	8	0.667176
RAMP2	2.83E-37	0.625553	0.87	0.202	9.5E-33	8	0.20344
RAPGEF5	2.5E-21	0.326593	0.352	0.056	8.39E-17	8	0.056217
RASL11B	3.22E-16	0.341152	0.648	0.198	1.08E-11	8	0.199105
RASL12	0	0.307078	0.426	0	0	8	0.000924
RBM3	2.25E-07	0.308152	0.944	0.883	0.007544	8	0.882733
RBMS1	1.6E-108	0.58412	0.852	0.072	5.4E-104	8	0.073132
RBMS3	1.4E-125	0.601408	0.778	0.053	4.7E-121	8	0.054724
RBP1	1.89E-57	1.575436	0.944	0.201	6.34E-53	8	0.202658
RCN1	2.5E-16	0.522906	1	0.739	8.37E-12	8	0.739846
RCN3	5.2E-124	0.870017	0.759	0.053	1.7E-119	8	0.053872
REEP3	3.64E-12	0.349272	0.796	0.347	1.22E-07	8	0.347927
REEP5	9.37E-08	0.257287	0.852	0.488	0.003144	8	0.488575
RER1	2.06E-16	0.531866	0.926	0.588	6.91E-12	8	0.588288
REXO2	1.31E-18	0.436388	0.907	0.374	4.39E-14	8	0.37536
RGCC	6.4E-181	0.309928	0.259	0.004	2.2E-176	8	0.0043
RHOA	1.17E-16	0.515974	1	0.853	3.93E-12	8	0.853488
RHOBTB3	2.42E-15	0.597799	0.944	0.703	8.13E-11	8	0.70392
RHOC	9.97E-40	1.242049	0.981	0.434	3.34E-35	8	0.434953
RHOJ	0	0.440208	0.704	0.016	0	8	0.017306
RNF181	6.85E-08	0.262608	0.907	0.613	0.002298	8	0.613802
RNF7	7.28E-07	0.268971	0.963	0.873	0.024406	8	0.872855

RNH1	6.62E-09	0.308031	0.963	0.763	0.000222	8	0.763868
ROBO1	1.18E-15	0.296655	0.648	0.203	3.96E-11	8	0.203653
ROR1	3.9E-31	0.406597	0.722	0.156	1.31E-26	8	0.157102
RORA	1.03E-29	0.371657	0.704	0.154	3.45E-25	8	0.155076
RPL10	1.38E-17	0.371579	1	1	4.64E-13	8	0.999538
RPL12	7.92E-11	0.317402	1	0.996	2.65E-06	8	0.99634
RPL15	3.4E-11	0.251602	1	0.999	1.14E-06	8	0.998792
RPL22L1	1.14E-14	0.649862	0.889	0.608	3.84E-10	8	0.608223
RPL28	6.42E-19	0.38841	1	0.998	2.15E-14	8	0.998117
RPL36AL	4.19E-08	0.282926	1	0.964	0.001405	8	0.963932
RPLP1	1.89E-10	0.28591	1	0.999	6.34E-06	8	0.998969
RPS12	3.43E-14	0.353259	1	0.998	1.15E-09	8	0.998436
RPS18	2.03E-25	0.518618	1	0.999	6.8E-21	8	0.999041
RPS4X	4.99E-09	0.318787	1	0.998	0.000168	8	0.998436
RRAGA	8.43E-08	0.259184	0.889	0.626	0.002829	8	0.626204
RRAS	1.46E-71	0.847966	0.889	0.131	4.89E-67	8	0.132405
RRBP1	1.58E-63	1.365255	1	0.228	5.3E-59	8	0.229772
RSU1	7.61E-19	0.334952	0.667	0.193	2.55E-14	8	0.193525
RTL8C	8E-14	0.389743	0.963	0.523	2.68E-09	8	0.524146
S100A10	9.8E-111	1.038238	0.759	0.057	3.3E-106	8	0.058171
S100A11	0	3.194687	1	0.033	0	8	0.03518
S100A13	2.17E-37	0.614571	0.852	0.196	7.27E-33	8	0.197292
S1PR3	2.5E-165	0.641868	0.704	0.033	8.3E-161	8	0.034682
SAR1A	2.24E-11	0.331889	0.889	0.473	7.52E-07	8	0.474077
SARS	7.21E-17	0.56551	0.944	0.729	2.42E-12	8	0.729896
SAT1	2.81E-27	1.231654	0.889	0.436	9.44E-23	8	0.436907
SCAMP2	4.18E-10	0.265553	0.796	0.353	1.4E-05	8	0.353968
SCPEP1	3.53E-41	0.548845	0.889	0.196	1.18E-36	8	0.197257
SCRG1	4.3E-93	1.070406	0.685	0.057	1.44E-88	8	0.058171
SCX	1.72E-10	0.259754	0.241	0.052	5.76E-06	8	0.052095
SDC2	2.02E-34	0.653521	0.907	0.242	6.77E-30	8	0.242884
SEC13	2.77E-17	0.445222	0.907	0.399	9.28E-13	8	0.400377
SEC23A	7.79E-16	0.33209	0.778	0.287	2.61E-11	8	0.287872
SEC24D	9.7E-107	0.399266	0.759	0.057	3.3E-102	8	0.058136
SEC31A	1.11E-16	0.477583	0.926	0.469	3.71E-12	8	0.470133
SEC61A1	7.74E-19	0.431115	0.889	0.344	2.6E-14	8	0.345261
SEC61B	1.34E-25	0.607385	1	0.961	4.51E-21	8	0.960769
SEC61G	2.87E-08	0.29103	0.981	0.947	0.000964	8	0.94659
SEC62	3.48E-10	0.311007	1	0.855	1.17E-05	8	0.855691
SELENOF	2.51E-05	0.281136	0.907	0.661	0.84335	8	0.661455
SELENOM	9.9E-36	0.955921	1	0.486	3.32E-31	8	0.487403
SELENOP	8.52E-24	0.352236	0.593	0.128	2.86E-19	8	0.128745
SELENOS	8.33E-06	0.283339	0.889	0.658	0.279314	8	0.658292
SEMA5A	1.2E-229	0.409547	0.611	0.017	4E-225	8	0.018336
SERF2	1E-33	0.848357	1	0.987	3.35E-29	8	0.986923
SERP1	8.55E-10	0.414493	0.926	0.783	2.87E-05	8	0.782844
SERPINB6	3.5E-79	0.7087	0.889	0.115	1.17E-74	8	0.116343
SERPINE1	0	0.552508	0.519	0.001	0	8	0.002097

SERPINE2	9.96E-11	0.363384	0.685	0.296	3.34E-06	8	0.296827
SERPINH1	6.76E-73	1.766054	1	0.202	2.27E-68	8	0.203191
SERTAD1	2.68E-23	0.319	0.648	0.156	8.99E-19	8	0.157137
SFRP4	4.07E-91	0.669248	0.222	0.006	1.36E-86	8	0.006219
SGCD	0	0.549607	0.648	0.01	0	8	0.011478
SGCE	2.9E-10	0.252395	0.815	0.351	9.73E-06	8	0.352226
SH3BGRL	3.44E-12	0.415348	0.981	0.733	1.15E-07	8	0.733805
SH3BGRL3	1.22E-18	0.620495	1	0.848	4.08E-14	8	0.8483
SH3GLB1	1.15E-12	0.355926	0.796	0.397	3.86E-08	8	0.397747
SH3KBP1	1.01E-39	0.260295	0.593	0.082	3.38E-35	8	0.083366
SHC1	1.5E-49	0.411799	0.704	0.102	5.04E-45	8	0.103124
SHMT2	2.65E-12	0.359461	0.852	0.415	8.9E-08	8	0.416261
SIL1	3.96E-34	0.435483	0.778	0.166	1.33E-29	8	0.167123
SKIL	1E-14	0.372157	0.741	0.272	3.36E-10	8	0.273231
SLC1A3	1.09E-32	0.708482	0.852	0.253	3.65E-28	8	0.254078
SLC1A5	1.1E-23	0.556794	0.852	0.296	3.69E-19	8	0.297395
SLC25A6	6.72E-16	0.431407	1	0.978	2.25E-11	8	0.977577
SLC2A4RG	4.31E-08	0.354879	0.889	0.552	0.001444	8	0.552148
SLC39A13	1.69E-24	0.306485	0.704	0.169	5.68E-20	8	0.170499
SLC39A7	3.36E-08	0.295999	0.852	0.531	0.001126	8	0.531253
SLC3A2	8.61E-15	0.588613	0.926	0.77	2.89E-10	8	0.770228
SLC6A1	8.73E-53	0.412397	0.426	0.036	2.93E-48	8	0.036708
SLC7A11	0	0.637889	0.741	0.016	0	8	0.017839
SLC9A1	4.33E-47	0.278268	0.444	0.042	1.45E-42	8	0.043247
SLC9A3R1	6.71E-26	0.261922	0.611	0.126	2.25E-21	8	0.126683
SMAD5	4.13E-11	0.389078	0.889	0.506	1.39E-06	8	0.506876
SNAI2	0	0.782026	0.815	0.01	0	8	0.011265
SNHG18	2.9E-190	0.658157	0.796	0.037	9.8E-186	8	0.038058
SNX17	1.89E-09	0.327736	0.889	0.546	6.35E-05	8	0.54664
SNX3	2.51E-08	0.317003	1	0.89	0.000841	8	0.890302
SNX9	8.69E-15	0.25895	0.648	0.208	2.91E-10	8	0.209161
SPARC	1.79E-41	2.243406	1	0.5	6E-37	8	0.500586
SPATS2L	6.9E-41	1.14632	0.963	0.321	2.31E-36	8	0.32227
SPON2	3.5E-123	0.712602	0.5	0.022	1.2E-118	8	0.023098
SPRY1	2.41E-33	0.306831	0.481	0.066	8.07E-29	8	0.06638
SPSB1	7.9E-132	0.258484	0.481	0.019	2.7E-127	8	0.019509
SPTBN1	2.5E-14	0.403407	0.889	0.425	8.37E-10	8	0.426104
SRA1	2.24E-09	0.350204	0.796	0.475	7.52E-05	8	0.475498
SRM	2.11E-11	0.483829	0.926	0.829	7.09E-07	8	0.829395
SRPX2	0	0.565877	0.685	0.002	0	8	0.002843
SSBP4	1.46E-08	0.374411	0.944	0.721	0.00049	8	0.721367
SSPN	2.6E-252	0.706355	0.87	0.033	8.8E-248	8	0.034505
SSR1	8.27E-13	0.433755	0.815	0.433	2.77E-08	8	0.434171
SSR2	4.27E-19	0.599046	0.981	0.937	1.43E-14	8	0.937245
SSR3	3.23E-22	0.730907	0.963	0.644	1.08E-17	8	0.644149
SSR4	1.05E-13	0.433816	0.981	0.911	3.52E-09	8	0.911553
STARD13	6.8E-190	0.319199	0.519	0.015	2.3E-185	8	0.016026
STEAP1B	0	0.263555	0.352	0.002	0	8	0.002594

STRA6	4.67E-77	1.040555	0.926	0.135	1.57E-72	8	0.1361
SUB1	7.88E-11	0.323501	1	0.978	2.64E-06	8	0.978537
SURF4	1.45E-16	0.407593	0.833	0.352	4.87E-12	8	0.353328
SVIL	1.43E-40	1.761037	1	0.455	4.81E-36	8	0.455812
SYNGR1	2.24E-28	0.385241	0.759	0.178	7.53E-24	8	0.179382
TACC1	1.44E-21	0.368226	0.741	0.202	4.83E-17	8	0.203156
TAGLN	1.4E-256	2.666399	1	0.045	4.7E-252	8	0.047155
TAGLN2	5.54E-33	0.732862	0.889	0.276	1.86E-28	8	0.276749
TARS	7.89E-08	0.286759	0.852	0.54	0.002644	8	0.540848
TCEA1	3.87E-05	0.317764	0.907	0.815	1	8	0.814754
TCEAL8	1.19E-10	0.436135	0.87	0.675	4E-06	8	0.675633
TCEAL9	2.9E-12	0.464878	0.981	0.76	9.72E-08	8	0.760741
TFF3	0	0.723092	0.333	0.002	0	8	0.003092
TFG	8.27E-06	0.256313	0.889	0.732	0.277415	8	0.731921
TFPI	0	0.564487	0.685	0.006	0	8	0.006965
TGFB1	8.8E-225	0.881823	0.852	0.037	3E-220	8	0.038094
TGFB111	2.4E-165	0.990422	0.907	0.058	8.1E-161	8	0.059913
TGFB2	9.4E-174	0.345771	0.5	0.015	3.1E-169	8	0.01624
TGFB1	0	0.453571	0.407	0.004	0	8	0.004726
THY1	6.86E-28	1.017323	0.907	0.381	2.3E-23	8	0.382112
TIMP1	3.31E-48	2.218165	1	0.372	1.11E-43	8	0.37369
TIMP2	3.11E-12	0.406228	0.87	0.475	1.04E-07	8	0.476067
TIMP3	3.8E-149	1.520744	0.981	0.078	1.3E-144	8	0.079421
TJP1	3.42E-19	0.570471	0.926	0.457	1.15E-14	8	0.458335
TLE1	1.93E-09	0.441131	0.889	0.634	6.48E-05	8	0.634448
TLN1	3.02E-25	0.660932	0.778	0.274	1.01E-20	8	0.275328
TMBIM4	1.79E-07	0.265601	0.907	0.553	0.006011	8	0.553463
TMED10	3.83E-12	0.414026	0.907	0.62	1.29E-07	8	0.620625
TMED3	6.34E-12	0.364795	0.833	0.465	2.13E-07	8	0.465442
TMED9	5.61E-19	0.639145	0.981	0.739	1.88E-14	8	0.738993
TMEM141	1.34E-16	0.442382	0.889	0.423	4.5E-12	8	0.42351
TMEM167A	3.29E-08	0.277697	0.963	0.731	0.001105	8	0.731566
TMEM204	0	0.331223	0.463	0	0	8	0.001102
TMEM214	5.28E-33	0.267213	0.63	0.108	1.77E-28	8	0.108525
TMEM230	1.03E-07	0.294695	0.926	0.642	0.003455	8	0.64287
TMEM263	5.79E-26	0.526939	0.833	0.267	1.94E-21	8	0.268221
TMSB10	1.16E-22	0.782079	1	0.998	3.88E-18	8	0.998472
TNC	1.14E-26	0.471173	0.463	0.078	3.81E-22	8	0.078569
TNFAIP6	0	0.537244	0.63	0.001	0	8	0.002203
TNFRSF12A	1.56E-39	0.667251	0.574	0.083	5.23E-35	8	0.084325
TNFRSF19	2.73E-38	0.488735	0.722	0.136	9.17E-34	8	0.136776
TNFRSF1A	3.25E-65	0.65698	0.833	0.117	1.09E-60	8	0.118724
TNN	0	0.258005	0.426	0	0	8	0.001102
TNS2	3.18E-67	0.300105	0.519	0.041	1.07E-62	8	0.042038
TP53I3	1.73E-29	0.455757	0.778	0.195	5.79E-25	8	0.1958
TPM1	6.16E-36	2.138764	1	0.778	2.07E-31	8	0.778046
TPM2	2.1E-201	1.955016	0.981	0.056	7.2E-197	8	0.057994
TPM4	1.69E-36	1.437767	1	0.725	5.66E-32	8	0.725241



TPT1	1.04E-34	0.786559	1	0.998	3.49E-30	8	0.997903
TRAM1	1.25E-15	0.349036	0.944	0.398	4.21E-11	8	0.39924
TRIB3	1E-36	0.661755	0.593	0.102	3.35E-32	8	0.103266
TRIL	7.57E-83	0.300926	0.519	0.034	2.54E-78	8	0.03486
TRIO	9E-18	0.41868	0.833	0.295	3.02E-13	8	0.295796
TRIOBP	5.98E-17	0.519084	0.889	0.413	2.01E-12	8	0.413773
TSKU	1.34E-29	0.356412	0.741	0.163	4.48E-25	8	0.164529
TSPO	1.86E-12	0.550894	0.944	0.711	6.24E-08	8	0.710991
TUBA1C	2.17E-62	0.802557	0.852	0.126	7.28E-58	8	0.127465
TUBB6	4.43E-21	0.558089	0.944	0.384	1.48E-16	8	0.384635
TUSC3	5.98E-08	0.289508	0.944	0.677	0.002005	8	0.677126
TWIST1	0	0.788703	0.815	0.006	0	8	0.007711
TXN	3.63E-10	0.319961	1	0.975	1.22E-05	8	0.974983
TXNDC17	2.63E-12	0.417551	1	0.808	8.83E-08	8	0.808536
UACA	7.7E-16	0.442914	0.685	0.258	2.58E-11	8	0.258342
UBE2E2	3.22E-14	0.258889	0.667	0.213	1.08E-09	8	0.214349
UBE2H	2.94E-07	0.282149	0.796	0.478	0.009858	8	0.478981
UFM1	1.46E-09	0.312976	0.833	0.427	4.89E-05	8	0.427632
UNC5B	1.4E-139	0.602712	0.759	0.046	4.6E-135	8	0.046978
USO1	8.44E-10	0.273344	0.759	0.353	2.83E-05	8	0.353328
UXS1	5.21E-16	0.338195	0.778	0.284	1.75E-11	8	0.285242
VAMP5	2.4E-116	0.604322	0.407	0.015	8.2E-112	8	0.01624
VASN	1E-34	0.27085	0.407	0.048	3.35E-30	8	0.048257
VCAN	1.37E-34	1.607032	1	0.778	4.59E-30	8	0.778437
VCL	5.24E-24	0.481731	0.815	0.247	1.76E-19	8	0.247681
VGLL4	7.17E-09	0.407432	0.889	0.623	0.00024	8	0.623077
VIM	8.72E-08	0.380233	1	0.954	0.002923	8	0.953875
VMP1	5.57E-11	0.315185	0.87	0.456	1.87E-06	8	0.456842
WARS	1.71E-44	0.614768	0.778	0.143	5.73E-40	8	0.144167
WASF2	8.04E-23	0.647941	0.944	0.48	2.7E-18	8	0.481326
WDR1	4.73E-09	0.313978	0.815	0.42	0.000159	8	0.421129
WDR41	1.1E-13	0.347024	0.778	0.314	3.69E-09	8	0.314843
WDR45	4.73E-16	0.346756	0.759	0.264	1.59E-11	8	0.264454
WIPI1	1.2E-130	0.73839	0.833	0.06	4E-126	8	0.061547
WLS	6.65E-32	0.654194	0.889	0.249	2.23E-27	8	0.249991
WNT4	8.4E-20	0.258507	0.204	0.022	2.82E-15	8	0.022139
WWTR1	1.5E-170	0.714906	0.833	0.046	4.9E-166	8	0.047084
XBP1	1.17E-24	0.667393	0.889	0.368	3.93E-20	8	0.368501
XPNPEP1	2.22E-23	0.389022	0.926	0.294	7.45E-19	8	0.29473
YARS	4.06E-12	0.283079	0.833	0.357	1.36E-07	8	0.35777
YBX3	5.45E-09	0.386871	0.87	0.583	0.000183	8	0.58317
YIF1A	2.43E-25	0.753133	0.963	0.578	8.16E-21	8	0.578729
YIPF5	1.56E-12	0.372543	0.833	0.382	5.24E-08	8	0.382858
ZCCHC24	5.2E-227	0.723883	0.833	0.034	1.7E-222	8	0.0355
ZEB1	6.76E-35	1.147392	0.963	0.435	2.27E-30	8	0.435876
ZFH3	8.06E-20	0.384651	0.852	0.285	2.7E-15	8	0.285882
ZFP36L1	1.11E-15	0.682593	0.963	0.69	3.73E-11	8	0.690807
ZIC1	2.6E-129	0.836946	0.87	0.065	8.7E-125	8	0.066202



ZNF703	1.65E-20	0.324257	0.63	0.159	5.54E-16	8	0.159945
ZYX	4.34E-32	0.647273	0.889	0.267	1.46E-27	8	0.268221